PERIODIC REVIEW REPORT

BINGHAMTON PLAZA INC.
33 WEST STATE STREET
BINGHAMTON, NEW YORK 13901
NYSDEC SITE NUMBER: C704049

Prepared for:

Binghamton Plaza, Inc.
30 Galesi Drive
Suite 301
Wayne, New Jersey 07470

For submittal to:

New York State Department of Environmental Conservation
615 Erie Boulevard W.
Syracuse, New York 13204

Prepared by:

ARM Group
Engineers and Scientists

515 S. Franklin Street
West Chester, Pennsylvania 19382

ARM Project 062175.07

August 29, 2025

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Respectfully submitted,

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Senior Geologist

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Senior Project Manger

A R M G r o u p L L C

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1.0 EXECUTIVE SUMMARY

This Periodic Review Report (PRR) was prepared by ARM Group LLC (ARM), on behalf of Binghamton Plaza, Inc. (BPI) for The Binghamton Plaza (Brownfield Cleanup Program Site No. C704049). This is the ninth PRR prepared for Binghamton Plaza since the implementation of the Site Management Plan (SMP) in December 2014, (the first was submitted in June 2016) and covers the 2024/2025 compliance period.

The Binghamton Plaza (the Site) was developed in the 1960s as a multi-tenant commercial strip-mall, consisting of several tax parcels. The five Site structures were built over a pre-existing landfill that operated until the early 1960s as a disposal site for raw and incinerated municipal waste, generated by the City of Binghamton. The Site has been investigated and remediated under the New York State (NYS) Brownfield Cleanup Program (BCP) and is currently being managed under a SMP. The majority of the Site is zoned for commercial use. The portion of the Site occupied by a daycare facility is zoned for restricted residential use.

Detectable concentrations of regulated substances remain in the fill material, soil, and groundwater at the Site. In addition, soil gas at the Site contains methane and low concentrations of volatile organic compounds (VOCs). Potential exposure to this residual contamination is mitigated by the components of the Institutional and Engineering Controls (IC/ECs) in place at the Site. The following summarizes these components:

- Potential exposures to impacted soil and fill material are prevented through the placement and maintenance of a cap/cover system.
- Consumption of impacted groundwater is prevented by restricting groundwater use within the Site.
- Passive and active vapor intrusion mitigation systems are present and maintained/ monitored in all onsite structures.
- Indoor air sampling and analysis is currently performed on an annual basis (per NYSDEC approval on March 25, 2022) in Building 31. The reduction in sampling frequency was granted following the completion of additional vapor intrusion mitigation in Building 31 and the submission of a formal reduction request on March 21, 2022. The SMP was amended accordingly to reflect the changes to annual sampling. The indoor air monitoring results summarized in this PRR include results from January 2025.

The SMP has been effective in helping to meet remedial objectives for the Site, and it will continue to be effective with continued implementation. The following summarizes prior

instances of non-compliance and describes the corrective measures implemented to correct the deficiencies.

- During the preparation of the 2016 PRR, one area of non-compliance with the SMP was identified. This non-compliance pertained to the semi-annual indoor air sampling and analysis program for the daycare facility. For both monitoring events in 2015, the indoor and outdoor air samples were collected above the breathing zone and were thus not consistent with NYSDOH requirements. To address this issue, the May 2016 semi-annual indoor/outdoor air sampling event accounted for the correction in sampling height, as per the Corrective Measures Work Plan (CMWP), provided in Section 3.2.1 of the July 2016 PRR. Since that time, the sampling height has been consistent for all subsequent sampling events and there have been no identified instances of non-compliance with the SMP with regard to sampling height.
- As detailed in the 2021 PRR submittal, significant modifications were made to the vapor intrusion mitigation engineering controls implemented at Building 31. The modifications were made to eliminate the occasional presence of trichloroethylene (TCE) in indoor air at concentrations exceeding background concentrations and indoor guidance values. The modification to the vapor intrusion mitigation system included the installation of flowable fill beneath the building slab to reduce/eliminate positive sub-slab pressures and enhance the performance of the existing sub-slab depressurization system. In addition, the soil cover system in Area 9 was breached during emergency utility repairs in November 2020. The cover system was subsequently repaired and certified through field investigation and laboratory analysis of existing and imported fill materials. Both instances of non-compliance were addressed in CMWPs. The vapor intrusion CMWP was approved in December 2019. The CMWP for the Area 9 soil cover system was approved in April 2021.

The asphalt cap and soil cover systems functioned as intended throughout the most recent compliance period. Inspections of the property showed that the cap/cover system remains intact, with some potholes and other areas of asphalt degradation observed. The asphalt cap underwent repairs in June 2025. The Operations and Maintenance Plan is being fully implemented and is functioning as intended.

This PRR is being submitted along with a complete “Institutional and Engineering Controls Certification Form.” The Certification Form is submitted in both electronic and paper formats to the NYSDEC.

2.0 INTRODUCTION

This PRR was prepared by ARM on behalf of BPI. The submission of a PRR is a required reporting element of the SMP, which was developed for the Site under the NYS BCP. The Site was investigated and remediated in accordance with Brownfield Cleanup Agreement Index #B7-0702-05-08, Site #C704049, which was executed on February 8, 2006, and last amended on January 23, 2014. The Site was issued a Certificate of Completion (COC) in December 2014, following the completion of Site remediation and acceptance of the Site's Final Engineering Report by the NYSDEC. The management of the Site under the SMP was initiated following receipt of the COC in December 2014 and is ongoing. This PRR summarizes the Site activities undertaken in late 2024 and within the first 8 months of 2025, to comply with the SMP (which was amended in March 2022). The compliance inspections and monitoring were conducted in December 2024 and January 2025 (to satisfy the annual winter indoor air monitoring), in July 2025 (to satisfy the Spring 2025 inspections), and in May 2025 to satisfy the 5-year groundwater monitoring requirement. Supporting data and inspection information is provided chronologically in Appendices A, B, and C. Appendix D provides the completed IC/EC Certification Forms.

2.1 Site Description and History

The Binghamton Plaza Site is an approximately 21.5-acre property, located at 33 West State Street, in an urban area of the City of Binghamton, Broome County (Figure 1). It is comprised of several tax parcels. The Site is a commercial property and contains a large strip mall, with an adjacent building and three satellite buildings. The two strip mall buildings are divided into a total of 30 tenant spaces. The tenant spaces and satellite buildings are designated as shown on Figure 2. The vast majority of the Site is covered by pavement or buildings. A levee for the Chenango River defines the western Site boundary.

The Site is zoned for commercial use, and most of the Site is currently used for commercial purposes; however, one of the satellite buildings is occupied by a daycare facility. The parcel that contains the daycare building is designated as restricted residential, due to its use as a daycare facility. Most of the tenants of the strip mall include retail establishments and restaurants. The Site is bounded by the Chenango River to the west, residential properties to the northeast and east, a park to the north, and commercial properties to the south and southeast.

From 1946 until 1957, the Site was used as a landfill for municipal solid waste by the City of Binghamton. In 1957, a municipal solid waste incinerator was constructed near the Site. From 1957 until the early 1960s, incinerator ash was disposed of at the Site. Raw municipal waste was also disposed of at the Site. The existing commercial plaza was constructed in the 1960s.

2.2 Site Investigations/Remedy Performance

ARM investigated soil, fill material, groundwater, surface water, sediment, and soil vapor quality during the course of Remedial Investigation activities at the Site. Soil, fill material, groundwater, and soil vapor were found to be the environmental media with discernable impacts from prior Site activities. The following summarizes the pertinent Remedial Investigation findings and the performance of the associated remedies over the compliance period.

The fill material, which consists of incinerated and raw municipal waste, contained low level concentrations of VOCs, Semi-VOCs (SVOCs), and metals. Three VOCs, two SVOCs, and five metals were detected above the applicable NYSDEC soil cleanup objectives (SCOs). The concentrations of most of the detected compounds were not significantly elevated, and appear to be distributed throughout the waste material. Native silt and sand, present beneath the fill (waste) material, was sampled and found to contain VOCs and SVOCs, at trace concentrations not exceeding their respective SCOs, with the exception of Acetone. All other concentrations were below their applicable SCOs. The cap/cover system prevented direct contact with these impacted media throughout the compliance period and is functioning as designed, based on periodic Site inspections.

Site investigations have found that the primary contaminants of concern in groundwater at the Site are metals and the SVOC acenaphthene, which were detected at concentrations slightly higher than groundwater standards. Potential exposure to impacted groundwater was prevented throughout the compliance period by enforcement of the groundwater use restrictions, applied to the Site by the Environmental Easement.

Impacts to soil vapor from methane and VOCs have been identified as vapor intrusion concerns for onsite buildings. Engineering controls, including passive and active sub-slab depressurization/venting systems, are inspected and maintained at all Site buildings. Annual indoor air sampling and analysis is conducted in buildings with restricted-residential use designation. Active methane alarms and/or periodic methane monitoring are used to monitor methane concentrations in all Site buildings. These activities were conducted consistent with the SMP throughout the compliance period. Indications of unacceptable risk from vapor intrusion were not identified; However, TCE was historically reported at concentrations that exceed background concentrations in the daycare building (Building 31). While the concentrations of TCE have typically remained below the Indoor Air Guidance Value (IAGV) of 2 $\mu g/m^3$, samples collected in October 2018, December 2019 and May 2020 exhibited concentrations that slightly exceeded the IAGV of 2 $\mu g/m^3$. In response, the NYSDOH and NYSDEC requested that additional action be taken to reduce the concentrations of TCE, given the sensitive population consistently present in the building. The recommendation from the NYSDOH and NYSDEC to

take additional mitigative actions was presented in a letter, dated May 5, 2017. Following receipt of the request, BPI began evaluating potential actions to enhance the existing mitigation system in Building 31 or relocate the daycare operation. Ultimately, supplemental mitigation measures were implemented in September 2020 as discussed in Section 3.2.

3.0 INSTITUTIONAL CONTROL/ENGINEERING CONTROL COMPLIANCE

3.1 Institutional Control

An Environmental Easement is the Institutional Control implemented at the Site. The Environmental Easement serves to: (1) implement, maintain, and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and (3) limit the use and development of the Site to commercial uses only, except for the areas designated as restricted residential use. The Environmental Easement enforces the implementation of the SMP. The maintenance, monitoring, and inspections required under the SMP were conducted consistent with the SMP throughout the compliance period.

3.2 Engineering Controls

Active SSD systems are only installed in Buildings 31, 32, and 33. At the time of SSD system installation, Building 31 was being utilized as a daycare center and remains as such today. Building 32 is currently operating as a convenience store/delicatessen. Building 33 is a small drive-through bank branch. Consistent with the modified SMP (March 2022), indoor air is sampled, analyzed, and reported on an annual basis for Building 31. As discussed previously, the SMP was modified to reduce the indoor air sampling frequency from quarterly to annual in early 2022. The first annual sampling event occurred in December 2022. However, in October 2022 an unplanned sampling event was conducted to evaluate indoor air quality following an inadvertent SSD fan stoppage. The most recent complete indoor air sampling event was conducted in January 2025 as per the modified SMP to satisfy the annual (heating season) indoor air monitoring requirement.

Indoor air samples are analyzed for VOCs, using either EPA Method TO-15 or TO-17. All samples collected during the current compliance period were analyzed using method TO-15. In addition, methane gas detectors and alarms are maintained in each satellite building (Buildings 31, 32, and 33). Table 1 presents a summary of the indoor and outdoor ambient air quality results obtained from the sampling event in January 2025. The Category B laboratory analytical data package for this monitoring event is provided in Appendix A, along with its associated Data Usability Summary Report (DUSR). All analytical data was determined to be valid and usable with minor qualifications. Electronic Data Deliverables (EDDs) were also prepared and submitted for the indoor air monitoring event consistent with NYSDEC environmental data submission requirements.

Operations and Maintenance (O&M) inspections are conducted annually on the SSD systems and alarm systems. Based on these inspections, all SSD systems are currently functioning properly

and maintaining sufficient negative sub-slab pressures with the exception of the prior January 2024 blower fan malfunction described above.

It is important to note that the SSD system in Building 31 did not consistently maintain negative sub-slab pressures prior to the September 2020 flowable fill material placement. As previously discussed, indoor air concentrations of TCE were occasionally above typical background concentrations in Building 31 until the additional mitigation measures/enhancements were implemented. Previously, TCE concentrations had remained below the IAGV of 2 $\mu g/m^3$ except for the sampling events from October 2018, December 2019 and May 2020. Until the additional mitigation measures were implemented, significant positive sub-slab pressures prevented the sub-slab depressurization system from maintaining sufficiently negative sub-slab pressures. This condition likely allowed limited vapor intrusion to occur, which possibly caused or contributed to the elevated TCE concentrations present in indoor air. BPI evaluated potential actions to enhance the existing mitigation system in Building 31 or to relocate the daycare operation. Based on this evaluation it was determined that additional sub-slab depressurization would not likely be beneficial or create the desired reduction in TCE concentrations in indoor air. Therefore, it was proposed to inject flowable concrete fill into the void spaces below Building 31 to essentially seal the vapor migration pathways contributing to the positive sub-slab pressures.

Additionally, there are passive sub-slab ventilation systems present in the main strip mall buildings at the Site (Buildings 1-28 and Buildings 29 and 30). These passive ventilation systems were present prior to the Site entering the BCP. Vented crawl spaces are present beneath the floors of Buildings 1-28, and passive sub-slab venting systems are present in Buildings 29 and 30. These passive ventilation systems were inspected and monitored in January 2025 and July 2025 and found to be functioning properly. Field monitoring with a handheld Methane meter did not indicate the presence of detectable concentrations of methane at the monitoring locations established in these buildings.

Potential exposure to residual contamination in soil fill material at the Site is prevented by a soil cover and asphalt cap cover system placed over the Site. This cover system is comprised of a minimum of 12 inches of clean soil, asphalt pavement, concrete-covered sidewalks, or concrete building slabs. The soil and pavement cover system is inspected semi-annually, to ensure that it is intact and effective in preventing exposures to potentially impacted fill material and/or soil. The semi-annual inspection reports evaluate and document the integrity of this engineering control. The asphalt cap and soil cover systems functioned as intended throughout this latest compliance period. Periodic inspections of the property show that the cap/cover systems remained intact throughout the compliance period, with some minor potholes and other areas of asphalt degradation. The asphalt cap underwent repairs in June 2025. The Operations and Maintenance Plan is being fully implemented and is functioning as intended.

Consistent with the SMP, groundwater monitoring was conducted in May 2025. Groundwater was initially monitored at the Site in 2008, during the Remedial Investigation. This was the fourth time that groundwater monitoring was performed at the Site. Table 2 presents a summary of groundwater elevations and monitoring well construction information. Table 3 includes the four sets of groundwater monitoring data (2008, 2015, 2020 and 2025). The monitoring well network includes seven shallow wells and four deep wells. The shallow wells monitor perched groundwater within the waste/fill material, while the deep wells monitor the local water table aquifer. Consistent with the 2008, 2015 and 2020 monitoring events, a sufficient quantity of water was not present in any of the shallow monitoring wells to collect representative samples. Therefore, only the deep monitoring wells were sampled. In addition, MW-4S could not be located at the time of monitoring in May 2025 due to a significant thickness of gravel accumulation. Figure 3 depicts groundwater elevation contours based on the groundwater elevations in the deep monitoring wells. Consistent with the 2020 monitoring event, groundwater flows from east to west, toward the Chenango River.

The 2025 groundwater analysis was generally consistent with 2020. Indications of significant groundwater contamination are not present. With the exception of chloroform in MW-2D, no VOCs, SVOCs or polychlorinated biphenyls (PCBs) were detected above groundwater standards. Chloroform has been periodically detected at concentrations below the groundwater standard of 7 ug/L. This is the first time this VOC has been detected at a concentration exceeding 7 ug/L, with a reported concentration of 12 ug/L. Given that MW-2D is located hydrogeologically upgradient of the Site, the presence of this compound may be related to an off-site source. In addition, chloroform is a disinfection byproduct that is commonly found in groundwater as a result of leaking potable water piping and sewer lines. It is suspected that upgradient water and wastewater conveyance piping may be the source of or contributing to the presence of chloroform in groundwater at the Site. A source of chloroform has not been identified at the Site during prior site characterization. All total metals concentrations were reported at or below current groundwater standards. The groundwater quality will continue to be monitored every five years, per the SMP. The Category B analytical data package and DUSR for the May 2025 groundwater monitoring are included as Appendix B. The data validation recommended minor changes to the laboratory results; however, the data is considered usable. Additionally, EDDs were also prepared and submitted for the groundwater monitoring event consistent with NYSDEC environmental data submission requirements.

The next event is planned to occur in 2030, consistent with the monitoring schedule of the SMP.

3.3 IC/EC Certification

Based upon the results of the inspection and monitoring activities conducted during the 2024/2025 compliance period, and the evaluation of the IC/EC components of the SMP, it appears that the remedies in place at the Site are performing effectively. Appendix D provides a complete IC/EC certification statement.

4.0 MONITORING PLAN COMPLIANCE

4.1 Components of Monitoring Plan

The components of the monitoring plan include the mechanisms, sampling and inspection frequency, and matrices. They are presented in the table below.

Monitoring Program	Frequency*	Matrix	Analysis
Asphalt Cover	Semi-Annual	Pavement Cap	Visual Inspection
Soil Cover	Semi-Annual	Clean Fill Cover	Visual Inspection
Indoor Air	Annual (Indoor Air Sampling and Analysis) / Semi-annual (Methane Monitoring)	Air	TO-17 or TO-15, methane monitoring
Groundwater	First 6 months	Water	USEPA Methods VOCs and SVOCs by SW-8260 & 8270, PCBs 8082, RCRA Metals Methods 6010 and 7470, and NYSDEC Part 360 "Routine Parameters"
Groundwater	Every 5 years	Water	USEPA Methods VOCs and SVOCs by SW-8260 &8270, RCRA Metals USEPA Methods 6010 and 7470, Total Phenolics USEPA Method 420

4.2 Summary of Monitoring Plan

The monitoring that has occurred since the implementation of the SMP is as follows; Refer to Appendices A through D for all supporting documentation and data.

Type of Event	Quarterly	Semi-Annual	Annual	First 6 Months of SMP Implementation (2015)	Within First Year (every 5 thereafter)	Notes
Groundwater Sampling				X (May 2015)	X	Includes MW inspection.
Monitoring Well Inspection		X		X	X	Inspect integrity of well casings and covers.
Cover System Inspection		X				Includes soil cover and MW inspection.
Methane Monitoring		X				Bldgs. 1 through 30.

Type of Event	Quarterly	Semi-Annual	Annual	First 6 Months of SMP Implementation (2015)	Within First Year (every 5 thereafter)	Notes
Indoor Air Sampling (TO-15)			X			Bldg. 31 and Outdoor ambient Air sampling also performed.
Passive Ventilation Inspection			X			Bldgs. 1 through 30; Methane Monitoring; Ensure clear vent intake systems.
SSD System Inspection			X			Bldgs. 31, 32, and 33; Perform smoke tests and pressure readings; Test methane gas alarms.

In summary, in April and July 2025, the cap/cover system was inspected, the monitoring well integrity was assessed, and methane monitoring was performed. The winter 2025 cap/cover system was inspected in April 2025 due to snow cover during the January 2025 monitoring activities. The passive and active ventilation systems were inspected and assessed in all onsite buildings in January and July 2025. In addition, indoor/outdoor air quality monitoring was performed at Building 31 in January 2025. Methane concentrations are continually monitored in Buildings 31, 32, and 33, by the permanently installed Methane Monitoring/alarm systems installed in these buildings. Groundwater was sampled in May 2025.

4.3 Comparisons with Remedial Objectives

Remedial Action Objectives (RAOs) were developed for the Site during the Alternatives Analysis and Remedial Action Work Plan (dated January 2014) for groundwater, soil vapor, and soil/fill material.

The RAOs for groundwater include:

- Prevent contact with, or ingestion of, groundwater with concentrations exceeding groundwater standards for drinking water.
- Prevent inhalation of volatiles from contaminated groundwater.
- Restore groundwater concentrations to pre-release levels, to the extent practicable.
- Mitigate or prevent the discharge of contaminants to surface water.
- Mitigate or remove the source of groundwater contamination, to the extent feasible.

- These RAOs were achieved during this reporting period utilizing the enforced Environmental Easement placed on the Site and the groundwater monitoring, which was recently performed in May 2025. Groundwater monitoring will be performed again in 2030.
- The RAOs for soil vapor include:
- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor migration into buildings at a Site.

These RAOs were achieved during this reporting period using SSD systems as the Engineering Control, in conjunction with the Institutional Control (Environmental Easement), which ensures the implementation of the SMP (including the Operations and Maintenance Plan) for the operation of the SSD systems in Buildings 31, 32, and 33. Additionally, the passive ventilation systems of Buildings 3, 15, 20, 24, 29, and 30 are mitigating the potential for soil vapor intrusion into those buildings. The long-term monitoring and maintenance of these systems will ensure that the systems are working properly and the RAOs will continue to be met. As described previously, the persistent presence of TCE in the indoor air of Building 31 was addressed by placing flowable concrete fill in the void spaces below the slab in Building 31. This mitigation measure effectively enhanced the performance of the existing SSD system. The Building 31 SSD system is now maintaining sufficient negative sub-slab pressures. TCE was not detected in Building 31 indoor air during the January 2025 monitoring event as shown on Table 1.

The RAOs for soil include:

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

These RAOs were achieved during this reporting period. The soil cover/cap system is a permanent Engineering Control, designed to achieve these RAOs. This Engineering Control, in conjunction with the Institutional Control (Environmental Easement), ensures the implementation of the SMP (including the Operations and Maintenance Plan) for the proper maintenance of the soil cover/cap system.

5.0 OPERATIONS AND MAINTENANCE COMPLIANCE

5.1 Components of Operations and Maintenance Plan

The components of the Operation and Maintenance Plan include inspection and (possible) maintenance of the following active and passive engineering controls: The SSD systems, the passive sub-slab ventilation systems, the methane alarms, and the soil/cap cover system. The annual Operations and Maintenance of these systems was completed by Keystone Environmental Services in December 2024, April 2025 and July 2025. The inspection report prepared by Keystone Environmental Services for the January/April 2025 and by CRT Environmental Solutions for the July 2025 Operations and Maintenance event are included in Appendices A and C, respectively.

5.2 Summary and Evaluation of Remedial Systems

For the maintenance of the SSD systems, the annual inspection process can include the collection of pressure readings below the building slabs, smoke testing to visually verify the pressure differential, the collection of manometer readings at each suction drop, inspection of the fans for mechanical operation, noise and vibration, ensuring that all piping supports are properly anchored, and checking that there are no cracks in the walls and floors. Additionally, the Methane gas alarms are inspected and checked for proper operation.

The passive sub-slab ventilation systems are evaluated annually by inspecting the crawlspace intakes and rooftop vents for Buildings 1 through 28, and the six rooftop vents for Buildings 29 and 30. These vents are checked for possible blockages, which could restrict air flow.

The soil/cap cover system is inspected semi-annually, to ensure that it is preventing exposures to the underlying soil and fill materials. The inspection includes looking for evidence of settling, cracking, soil disturbance, and any other signs which may indicate that the cover has been breached. Additionally, the integrity of the monitoring well protective casings is inspected, in conjunction with the cover system inspection, and their condition is noted. If needed, the cover system is repaired, similar to routine parking lot maintenance, which will include sealing cracks, filling larger cracks/holes with asphalt and, if needed, adding additional soil cover.

During this reporting period, the engineering controls were inspected and maintained as needed, in accordance with the Operations and Maintenance Plan of the SMP. While the cap/cover system was found to be intact during both inspection events, the following issues were identified; Refer to Appendices A and C for additional details.

- Potholes and other areas of asphalt degradation were observed during the cap inspections. Repairs were performed in June 2025.
- A few missing monitoring well surface cap bolts were observed, in addition to a few missing well covers. Additionally, a few monitoring wells were buried under loose gravel and will were cleared away in July 2025. BPI was notified of these conditions.

The Operation and Maintenance Plan was followed throughout the compliance period.

6.0 PERIODIC REVIEW REPORT CONCLUSIONS/RECOMMENDATIONS

6.1 Compliance with the SMP

The components of the SMP include:

1. Institutional Control
   a. Environmental Easement: The requirements are being met.

2. Engineering Controls
   a. Sub-Slab Depressurization Systems: The SSD systems are performing as designed with periodic maintenance.
   b. Soil Cover/Pavement Cap System: The cap/cover system is meeting its requirements. Minor potholes and surface degradation were noted during the inspections. The cap/cover system remained intact throughout the compliance period.
   c. Passive Sub-slab Ventilation Systems: The crawl space ventilation systems are functioning properly. Methane monitoring was performed as required and Methane was not detected at any of the monitoring stations.

3. Monitoring Plan
   a. Cover System Monitoring: The cover system (both soil and asphalt) is performing as expected and the inspections have not revealed any deficiencies.

   b. Groundwater Monitoring: The onsite monitoring wells were sampled in May 2015, 2020 and 2025. The next groundwater monitoring event will be conducted in 2030, consistent with the schedule of the SMP. All groundwater monitoring results obtained in May 2025 were generally consistent with prior events. Significant impacts to groundwater or notable trends were not identified.

   c. Indoor Air Quality Monitoring: The indoor air quality was monitored once in Building 31 during the compliance period. All samples were analyzed by EPA Method TO-15. The samples did not contain concentrations of VOCs in excess of current NYSDOH IAGVs.

4. Operation and Maintenance Plan
   a. Engineering Controls: All the requirements have been met for the compliance period.

6.2 Performance and Effectiveness of the Remedy

Based upon the results of monitoring and inspections completed at the Site during the current compliance period and the evaluation of the IC/EC components of the SMP, the remedy in place at the Site is performing effectively.

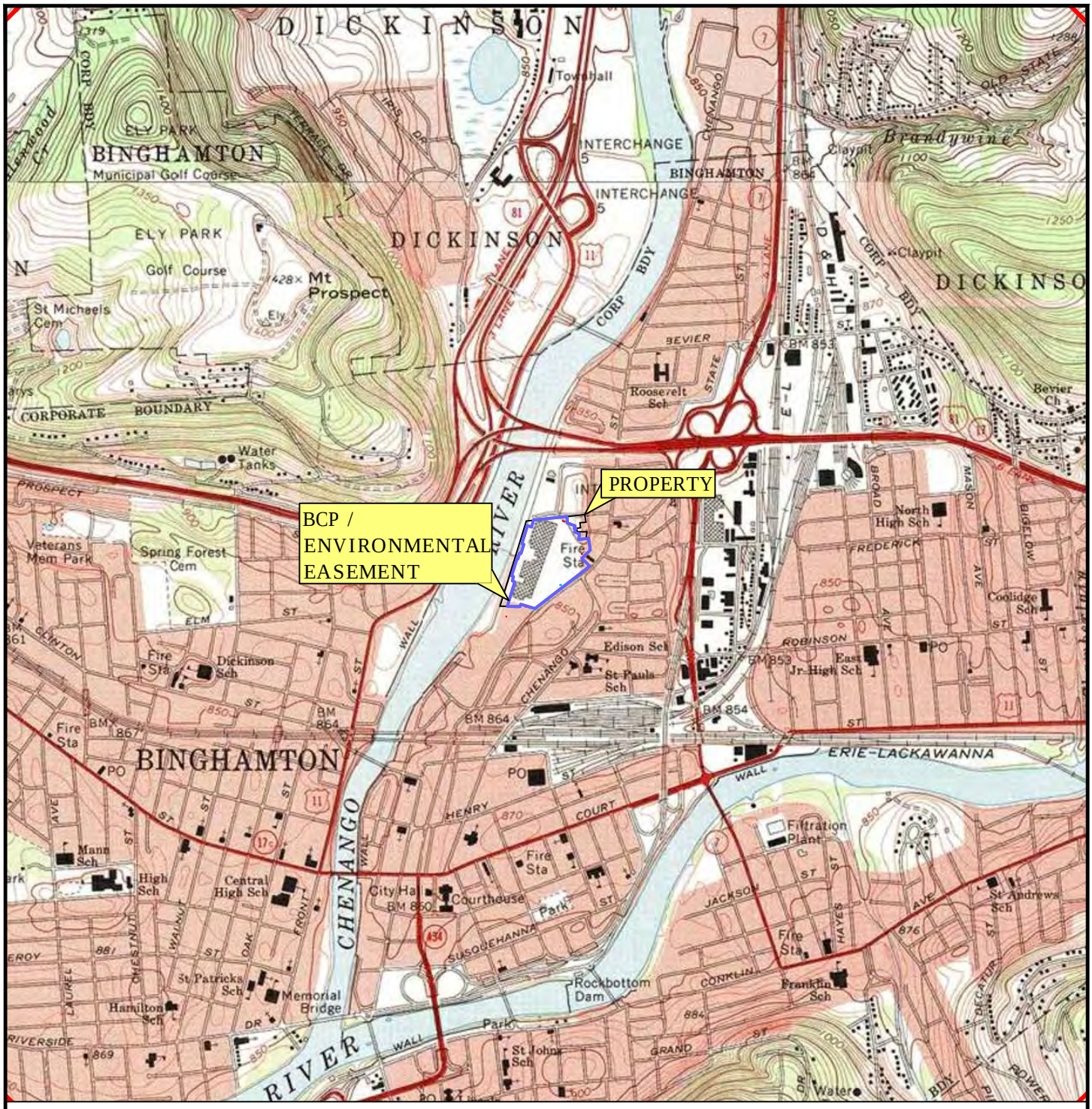
The Environmental Easement, which is the Institutional Control for the Site, is being enforced and is effective in continued implementation of the SMP and its components.

Additionally, for the Engineering Controls, the SSD systems are operating and functioning as designed in Buildings 31, 32, and 33. Negative sub-slab pressures beneath Building 31 have been achieved and TCE in indoor air has not been detected above the IAGV of 2.0 µg/m^3 since the placement of flowable fill in September 2020. The passive ventilation systems in Buildings 1 through 30 are functioning properly. The soil cover/pavement cap system is effectively limiting exposure to the underlying contaminated soil and fill material. The thickness and quality of soil cover system at Area 9 was verified in July 2021 following disturbance and repairs in November 2020. Routine repairs to the asphalt cap were last completed in June 2025.

6.3 Future PRR Submittals

This is the ninth PRR submittal following the SMP approval. The next submittal is anticipated in late August 2026.

FIGURES



SCALE: 1" = 2000'

SOURCE: NATIONAL GEOGRAPHIC TOPOGRAPHIC QUADRANGLE MAPS (BINGHAMTON WEST, NY)

N
W E
S

SITE LOCATION MAP

BINGHAMTON PLAZA
BINGHAMTON, NEW YORK

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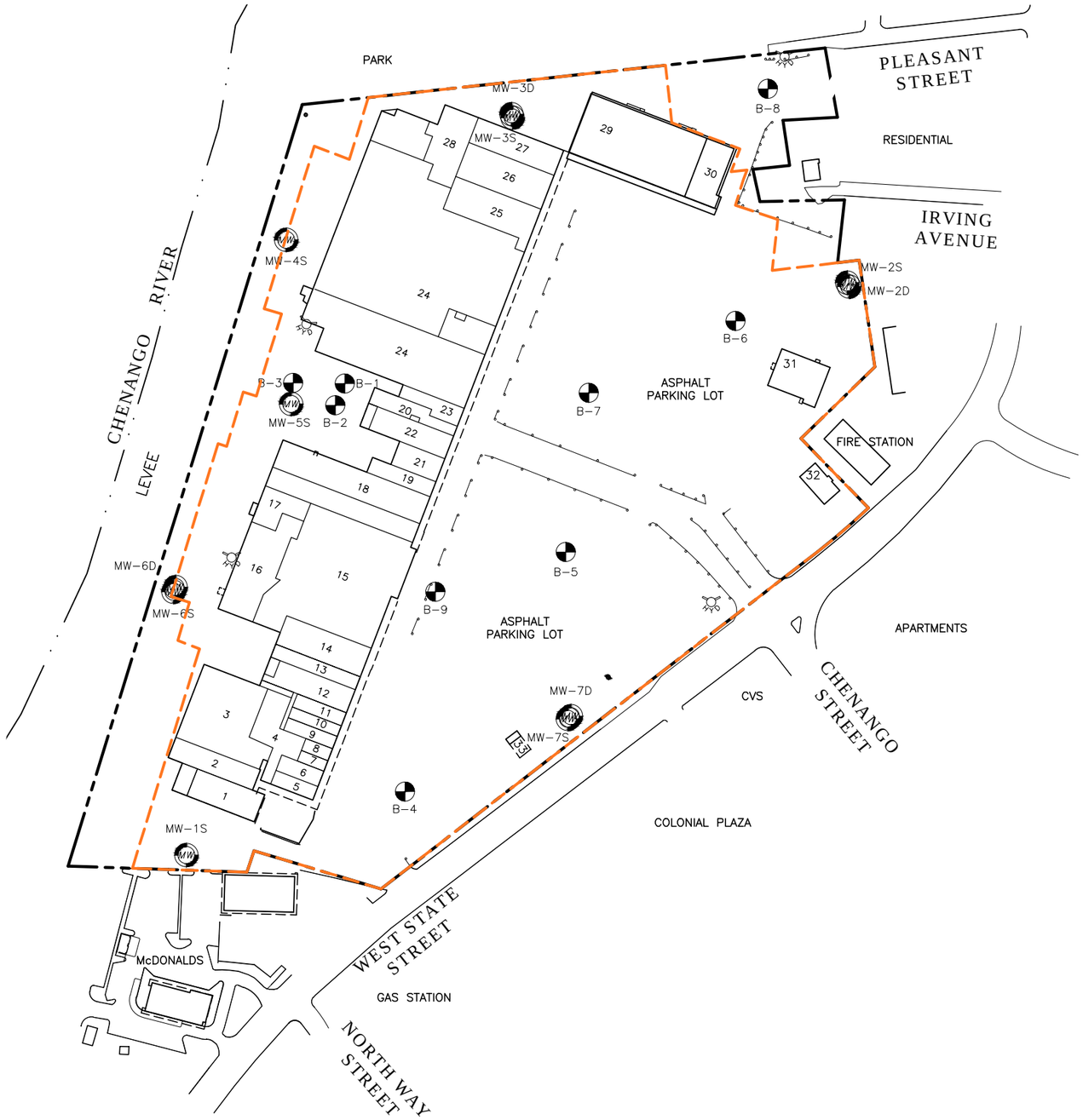
PROJECT:	06-2175.7
FILE NO.:	062175.3SL
DATE:	11/20/14
SCALE:	1" = 2,000'

FIGURE 1

Plotted: 4-22-16 @3:27pm By: mradcliffe



NOTES:

1) REFERENCE PLAN: "SAMPLE LOCATION MAP FOR BRICKHOUSE ENVIRONMENTAL CONSULTANTS AND ENGINEERS BINGHAMTON PLAZA – WEST STATE STREET" PREPARED BY KEYSTONE ASSOCIATES DATED 2/2/09 AND LAST REVISED 4/7/09.
2) HORIZONTAL DATUM – NYS CENTRAL NAD 83.
3) VERTICAL DATUM – NAVD 88.

LEGEND

- MW-5S — MONITORING WELL
- FIRE HYDRANT
- PROPERTY LINE
- GUIDE RAIL
- BROWNFIELD CLEANUP PROGRAM (BCP) AREA/ ENVIRONMENTAL EASEMENT AREA/EXTENT OF CAP

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)
1 inch = 200 ft.

SITE MAP

PROJECT: 06-2175.7
FILE NO.: 062175.3_BASE
DATE: 4/22/2016
SCALE: 1" = 200'

BINGHAMTON PLAZA
CITY OF BINGHAMTON, BROOME CO., NY

BRICKHOUSE ENVIRONMENTAL
PROFESSIONAL GEOLOGISTS, SCIENTISTS AND ENGINEERS
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FIGURE
2

J:\062175.7\Figures and Drawings\062175.3_BASE.dwg[Figure 2]

REF: Base map from ESRI USA Aerials. Tax Parcels from Broome County GIS.
Groundwater data from ARM Site Visit May 28, 2025.

LEGEND

- Monitoring Well Location with Groundwater Elevation
- Groundwater Surface Contour
- Tax Parcels
- Brownfield Cleanup Program Area Appox.

0 250 500 750

SCALE IN FEET

N

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May 28, 2025 Deep Groundwater Elevation Map

Binghamton Plaza
Binghamton Plaza, Inc.
Broome County, New York

August, 2025	1' = 250'	000062175.07

ARM Group LLC
Engineers and Scientists

Figure 3

J:\062175.7\Figures and Drawings\062175\062175.aprx

TABLES

Table 1
Indoor and Outdoor Air Analysis Results (January 2025)
Binghamton Plaza, Inc.
ARM Group LLC Project 062175.07

Building 31 Indoor and Outdoor Air Monitoring Results					Indoor Air Guidance Value
Volatile Organic Compounds (VOCs)	**Sample IA-1 (01/2025)**	**Sample IA-2 (01/2025)**	**Sample OA-1 (01/2025) Downwind**	**Sample OA-2 (01/2025) Upwind**	
2-Butanone	<1.47	<1.47	2.36	<1.47	NA
Acetone	24 J+ (a)	19.1 J+ (a)	9 J+ (a)	5.25 J+ (a)	NA
Benzene	<0.639	<0.639	<0.639	0.936	NA
Carbon Tetrachloride	0.566	0.541	0.51	0.503	NA
Chloroform	3.73	1.94	<0.977	<0.977	NA
Chloromethane	1.38	1.3	1.61	1.3	NA
Dichlorodifluoromethane	3.09	3.12	3.07	3.18	NA
Ethyl Alcohol	878 J+ (a)	435 J+ (a)	<9.42	10.3 J+ (a)	NA
Iso-Propyl Alcohol	48.2	46	<2.46	12.3	NA
N-Hexane	1.22	1.29	<0.705	0.98	NA
Tetrahydrofuran	<1.47	3.33	16	3.8	NA
Toluene	0.972	1.02	<0.754	1.7	NA
Trichlorofluoromethane	1.57	1.58	1.52	1.47	NA

Notes

< - Less than laboratory reporting limit.

All VOC results are in micrograms per cubic meter (ug/m3).

J+ = Estimated value, but the result may be biased high

(a) value has been corrected from its original based on data validation

See laboratory analytical report for full list of analyzed compounds.

NA = Not Applicable

Table 2
Monitoring Well Groundwater Elevation Summary Table
Binghamton Plaza
ARM Project Number: 000062175.07

Monitoring Well ID	Top of Inner Casing Elevation	Date	Depth to Water	Groundwater Elevation*	Total Depth	Note
MW-1S	848.62	4/2/2009	16.55	832.07	17.00	none
		5/25/2015	16.42	832.20	17.00	none
		5/28/2020	16.1	832.52	16.90	none
		5/28/2025	16.11	832.51	16.41	none
MW-2S	849.88	4/2/2009	21.8	828.08	23.50	none
		5/25/2015	22.7	827.18	23.50	none
		5/28/2020	22.26	827.62	22.60	none
		5/28/2025	Dry	-	22.23	none
MW-2D	850.14	4/2/2009	21.41	828.73	40.00	none
		5/25/2015	23.27	826.87	40.00	none
		5/28/2020	22.49	827.65	33.70	none
		5/28/2025	21.05	829.09	30.03	none
MW-3S	849.64	4/2/2009	Dry	-	17.00	none
		5/25/2015	16.90	832.74	17.00	none
		5/28/2020	Dry	-	16.80	none
		5/28/2025	16.63	833.01	16.89	none
MW-3D	848.98	4/2/2009	22.38	826.60	39.00	none
		5/25/2015	24.80	824.18	39.00	none
		5/28/2020	24.57	824.41	38.90	none
		5/28/2025	23.20	825.78	38.72	none
MW-4S	850.12	4/2/2009	13.17	836.95	14.00	none
		5/25/2015	12.40	837.72	14.00	none
		5/28/2020	13.40	836.72	13.80	none
		5/28/2025	-	-	-	Could Not Be Located
MW-5S	848.49	4/2/2009	21.29	827.20	22.00	none
		5/25/2015	21.22	827.27	22.00	none
		5/28/2020	Dry	-	21.50	none
		5/28/2025	19.75	828.74	21.31	none
MW-6S	848.51	4/2/2009	9.77	838.74	14.00	none
		5/25/2015	9.41	839.10	14.00	none
		5/28/2020	9.16	839.35	13.50	none
		5/28/2025	9.51	839.00	11.92	none
MW-6D	848.56	4/2/2009	21.53	827.03	33.00	none
		5/25/2015	23.44	825.12	33.00	none
		5/28/2020	23.08	825.48	32.80	none
		5/28/2025	21.85	826.71	32.76	none
MW-7S	848.24	4/2/2009	Dry	-	20.00	none
		5/25/2015	Dry	-	20.00	none
		5/28/2020	Dry	-	20.40	none
		5/28/2025	Dry	-	20.29	none
MW-7D	848.37	4/2/2009	20.17	828.2	31.00	none
		5/25/2015	22.25	826.12	31.00	none
		5/28/2020	21.56	826.81	30.60	none
		5/28/2025	20.14	828.23	30.57	none

Notes:

*Elevations are based on feet above Mean Sean Level (MSL)- Well elevations reflect inner casing elevations.

Table 3
Groundwater Analytical Results
Binghamton Plaza
ARM Project Number: 000062175.07

Sample Location	MW-7D				MW-6D				MW-8 (Duplicate)				MW-3D				MW-2D				MW-2D (Dissolved/Filtered)				MW-6S				MW-8S (Duplicate)				Cleanup Objectives
Sampling Date	10/27/08	05/26/15	05/28/20	05/29/25	10/27/08	05/26/15	05/28/20	05/29/25	10/27/08	05/26/15	05/28/20	05/29/25	10/28/08	05/26/15	05/28/20	05/29/25	10/28/08	05/26/15	05/28/20	05/29/25	10/28/08	05/26/15	05/28/20	05/29/25	04/23/09	05/26/15	05/28/20	05/29/25	04/23/09	05/26/15	05/28/20	05/29/25	
VOCs by Method SW8260B (ug/l)																																	
1,1,1-Trichloroethane	<0.16	<0.10	<0.30	<0.30	<0.16	<0.10	<0.30	<0.30	<0.16	<0.10	<0.30	<0.30	<0.16	<0.10	<0.30	<0.30	<0.16	0.52 J	0.50 J	<0.30	NA	NA	NA	NA	<0.10	NA	NA	NA	<0.10	NA	NA	NA	5
Acetone	<2.50	<1.00	<0.70	<0.70	<2.50	<1.00	3.2 J	7.5 J	<2.50	1.09J	1.4 J	7.4 J	<2.50	<1.00	<0.70	1.4 J	<2.50	<2.00	1.7 J	<0.70	NA	NA	NA	NA	1.87 J	NA	NA	NA	1.72 J	NA	NA	NA	50
Benzene	<0.16	<0.10	<0.20	<0.30	<0.16	<0.10	<0.20	<0.30	<0.16	<0.10	<0.20	<0.30	<0.16	<0.10	<0.20	<0.30	<0.16	<0.20	<0.20	<0.30	NA	NA	NA	NA	0.65	NA	NA	NA	0.65	NA	NA	NA	1
Carbon Disulfide	<0.16	<0.11	<0.20	<0.30	<0.16	<0.11	<0.20	<0.30	<0.16	<0.11	<0.20	<0.30	<0.16	<0.11	<0.20	<0.30	<0.16	<0.22	<0.20	<0.30	NA	NA	NA	NA	0.28 J	NA	NA	NA	0.18 J	NA	NA	NA	60
Chloroform	1.99	<0.10	<0.20	<0.30	<0.10	<0.10	<0.20	<0.30	<0.10	<0.10	<0.20	<0.30	<0.10	<0.10	<0.20	<0.30	2.20	1.32	5.40	**12**	NA	NA	NA	NA	<0.10	NA	NA	NA	<0.10	NA	NA	NA	7
Cyclohexane	<0.25	<0.10	<1.0	<1.0	0.66	1.11	<1.0	2.1 J	0.69	1.15	<1.0	2.1 J	<0.25	<0.10	<1.0	<1.0	<0.25	<0.20	<1.0	<1.0	NA	NA	NA	NA	1.01	NA	NA	NA	1.05	NA	NA	NA	NS
Chlorobenzene	<0.16	<0.10	<0.20	<0.30	0.56	0.60	0.76 J	0.80 J	0.52	0.64	0.69 J	0.80 J	<0.16	<0.10	<0.20	<0.30	<0.16	<0.20	<0.20	<0.30	NA	NA	NA	NA	0.17 J	NA	NA	NA	0.17 J	NA	NA	NA	5
1,4-Dichlorobenzene	<0.16	<0.16	<0.20	<0.30	<0.24	0.23 J	0.24 J	<0.30	<0.24	0.25J	0.22 J	<0.30	<0.16	<0.16	<0.20	<0.30	<0.16	<0.32	<0.20	<0.30	NA	NA	NA	NA	<0.16	NA	NA	NA	<0.16	NA	NA	NA	3
cis-1,2-Dichloroethene	<0.16	<0.10	<0.20	<0.30	<0.16	<0.10	<0.20	<0.30	<0.16	<0.10	<0.20	<0.30	<0.16	<0.10	<0.20	<0.30	<0.16	<0.20	<0.20	<0.30	NA	NA	NA	NA	<0.5	NA	NA	NA	<0.10	NA	NA	NA	5
Methyl tert-butyl ether	<0.50	<0.16	<0.20	<0.20	<0.50	<0.16	<0.20	<0.20	<0.50	<0.16	<0.20	<0.20	<0.50	<0.16	<0.20	<0.20	<0.50	<0.32	<0.20	<0.20	NA	NA	NA	NA	0.99 J	NA	NA	NA	1.01	NA	NA	NA	10
Toluene	<0.10	<0.10	<0.20	<0.30	<0.10	<0.10	0.20 J	<0.30	<0.10	<0.10	<0.20	<0.30	<0.10	<0.10	<0.20	<0.30	0.13 J	<0.20	0.24 J	<0.30	NA	NA	NA	NA	<0.10	NA	NA	NA	<0.10	NA	NA	NA	5
VOC TICs	ND	ND	ND	ND	2.13	5.06	ND	ND	2.09	5	ND	ND	ND	1.17	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NS
SVOCs by Method SW8270C (ug/l)																																	
Acenaphthene	<0.081	<0.43	<0.10 J	<0.10 J	**21**	7.1 J	7.2	7.6 J (a)	**21**	7.9J	5.6	8.0 (a)	<0.081	<0.40	<0.10	<0.10 J	<0.080	<0.43	<0.11	<0.10 J	NA	NA	NA	NA	<0.43 J	NA	NA	NA	NA	NA	NA	NA	20
Acetophenone	<0.37	<0.43	<4.1 J	2.8 J	<0.37	<0.43	<4.3	2.1 J	<0.37	<0.44	4.6 J	<1.0	<0.37	<0.40	<4.0	<1.0 J	<0.46	<0.43	11	4.1 J	NA	NA	NA	NA	1.8 J	NA	NA	NA	NA	NA	NA	NA	NS
Anthracene	<0.14	<0.43	<0.10	<0.10 J	<0.14	<0.43	<0.11	0.14 J	<0.14	<0.44	<0.10	0.12 J	<0.14	<0.40	<0.10	<0.10 J	<0.17	<0.43	<0.11	<0.10 J	NA	NA	NA	NA	<0.43	NA	NA	NA	NA	NA	NA	NA	50
bis(2-Ethylhexyl)phthalate	<0.45	<0.43	**<5.1***	<2.0 J	<0.45	0.56 J	**<5.4***	<2.0 J	<0.45	0.70J	**<5.2***	<2.1	<0.45	0.57J	**<5.1***	<2.1 J	<0.56	0.54 J	**<5.3***	<2.0 J	NA	NA	NA	NA	**<11***	NA	NA	NA	NA	NA	NA	NA	5
Butyl benzyl phthalate	<0.16	<0.43	2 J	<2.0 J	<0.16	0.51 J	<2.2	<2.0 J	<0.16	<0.44	<2.1	<2.1	<0.16	0.42 J	<2.0	<2.1 J	<0.20	<0.43	<2.1	<2.0 J	NA	NA	NA	NA	<0.43	NA	NA	NA	NA	NA	NA	NA	50
Caprolactam	<1.2	<0.43	<5.1 J	<3.0 J	<1.2	<0.43	<5.4 J	<3.1 J	<1.2	<0.44	<5.2 J	<3.1	<1.2	<0.40	<5.1 J	<3.1 J	<1.5	<0.43	29	<3.1 J	NA	NA	NA	NA	3.6 J	NA	NA	NA	NA	NA	NA	NA	NS
Dibenz[a,h]anthracene	<0.091	4.8 J	<0.10 J	<0.10 J	<0.091	<0.43	<0.11 J	<0.10 J	<0.091	<0.44	<0.10 J	<.10	<0.091	4.5 J	<0.10 J	<0.10 J	<0.11	<0.43	<0.11	<0.10 J	NA	NA	NA	NA	<0.43	NA	NA	NA	NA	NA	NA	NA	NS
Fluoranthene	<0.061	<0.43	<0.10 J	<0.10 J	<0.061	0.54 J	0.34 J	0.43 J	<0.061	<0.44	0.26 J	0.47 J	<0.061	<0.40	<0.10	<0.10 J	<0.074	<0.43	<0.11	<0.10 J	NA	NA	NA	NA	<0.43	NA	NA	NA	NA	NA	NA	NA	50
Fluorene	<0.11	<0.43	<0.10	<0.12 J	<0.11	<0.43	<0.11	0.51 J (a)	<0.11	<0.44	<0.10	<0.51 (a)	<0.11	<0.40	<0.10	<0.13 J	<0.14	<0.43	<0.11	<0.12 J	NA	NA	NA	NA	<0.43	NA	NA	NA	NA	NA	NA	NA	50
Phenanthrene	<0.10	<0.43	<0.10 J	<0.11 J	2.0 J	2.3J	0.41 J	0.58 J (a)	2.1 J	2.5J	0.33 J	0.71 J (a)	<0.10	2.0 J	<0.10	<0.12 J	<0.10	0.67 J	<0.11	<0.11 J	NA	NA	NA	NA	<0.43 J	NA	NA	NA	NA	NA	NA	NA	50
Pyrene	<0.071	<0.43	<0.10 J	<0.10 J	<0.071	<0.43	0.16 J	0.51 J (a)	<0.071	<0.44	0.11 J	<0.51 (a)	<0.071	<0.40	<0.10	<0.10 J	<0.086	<0.43	<0.11	<0.10 J	NA	NA	NA	NA	<0.43	NA	NA	NA	NA	NA	NA	NA	50
SVOC TICs	ND	17.3	12 J	23 JB	ND	40.3	4.6 J	17.5 JB	ND	263	4.2 J	19.9 JB	ND	ND	4.7 J	14.1 J	5.1	ND	11 J	8.6 J	NA	NA	NA	NA	371.9	NA	NA	NA	NA	NA	NA	NA	NS
Metals (mg/l)																																	
Arsenic	<0.010	<0.010	**0.045**	0.025	0.012	0.016	<0.016	0.015	0.011	0.018	<0.016	0.014	<0.00040	<0.010	<0.016	<0.00068	**0.45**	**0.91**	<0.016	0.00081 J	<0.010	<0.010	<0.016	<0.00070	**0.038**	NA	NA	NA	**0.035**	NA	NA	NA	0.025
Barium	0.17	0.48	0.47	0.38	0.41	0.58	0.46	0.35	0.41	0.6	0.46	0.35	0.17	0.19	0.11	0.097	**3.9**	**7.1**	0.2	0.039	0.065 J	0.073 J	0.043	0.033	0.61	NA	NA	NA	0.55	NA	NA	NA	1
Cadmium	<0.010	<0.010	<0.0010	<0.00015	<0.010	0.0016 J	<0.0010	<0.00015	<0.010	0.0019J	<0.0010	<0.00015	<0.010	<0.010	<0.0010	<0.00015	**0.016 J**	**0.092 J**	<0.0010	<0.00015	<0.010	<0.010	<0.0010	<0.00016	<0.0010	NA	NA	NA	<0.0010	NA	NA	NA	0.005
Calcium	60	98	NA	NA	96	110	NA	NA	96	110	NA	NA	89	100	NA	NA	250	440	NA	NA	78	88	NA	NA	330	NA	NA	NA	320	NA	NA	NA	NS
Chromium	0.0044 J	0.0043 J	0.0023 J	<0.00055	0.0033 J	<0.010	<0.0016	<0.00055	0.0033 J	0.0044J	<0.0016	<0.00055	0.0030 J	<0.010	<0.0016	<0.00055	**0.62**	**1.3**	0.02	<0.002 B (a)	<0.010	0.0047 J	<0.0016	<0.00057	0.03	NA	NA	NA	0.017	NA	NA	NA	0.05
Iron	**2.1**	**2.1**	NA	NA	**23**	**39**	NA	NA	**23**	**41**	NA	NA	**3.7**	**2.4**	NA	NA	**1,100**	**2,600**	NA	NA	<0.050	0.058	NA	NA	**73**	NA	NA	NA	**66**	NA	NA	NA	0.3
Lead	<0.010	<0.010	<0.0071	<0.00012	<0.010	<0.010	<0.0071	0.00014 J	<0.010	<0.010	<0.0071	0.00012 J	<0.010	<0.010	<0.0071	<0.00012	**0.64**	**1.5**	0.017	0.0011	<0.010	<0.010	<0.0073	<0.00052	**0.031**	NA	NA	NA	0.015	NA	NA	NA	0.025
Magnesium	12	21	NA	NA	16	14	NA	NA	16	18	NA	NA	15	18	NA	NA	**220**	**470**	NA	NA	15	16	NA	NA	**58**	NA	NA	NA	**57**	NA	NA	NA	35
Manganese	**0.48**	**1.2**	NA	NA	**1.5**	**1.6**	NA	NA	**1.5**	**1.7**	NA	NA	**1.5**	**0.95**	NA	NA	**25**	**56**	NA	NA	<0.050	0.0024 J	NA	NA	**14 J**	NA	NA	NA	**14 J**	NA	NA	NA	0.3
Mercury	<0.000026	<0.00020	<0.00005	<0.000087	<0.00020	<0.00020	<0.00005	<0.000087	<0.00020	<0.00020	<0.00005	<0.000087	<0.00020	<0.00020	<0.00005	<0.000087	<0.00020	**0.0012**	<0.00005	<0.000087	NA	<0.0002	<0.000079	<0.000087	0.000051 J	NA	NA	NA	<0.00020	NA	NA	NA	0.0007
Potassium	6.2	21	NA	NA	11	13	NA	NA	11	14	NA	NA	3.7 J	5.1	NA	NA	28	31	NA	NA	2.0 J	1.8	NA	NA	28	NA	NA	NA	28	NA	NA	NA	NS
Selenium	<0.010	<0.010	**0.018 J**	<0.00028	<0.010	<0.010	**0.020 J**	0.00045 J	<0.010	<0.010	**<0.016***	<0.00028	<0.010	<0.010	**<0.016***	<0.00028	**0.019**	**0.16**	**0.018 J**	0.00053 J	0.0028 J	<0.010	**<0.016***	0.00058 J	<0.0050	NA	NA	NA	<0.0050	NA	NA	NA	0.01
Sodium	**100**	**250**	NA	NA	**130**	**120**	NA	NA	**130**	**120**	NA	NA	**65**	**93**	NA	NA	**190**	**180**	NA	NA	**200**	**140**	NA	NA	**97**	NA	NA	NA	**97**	NA	NA	NA	20
General Chemistry (mg/l)																																	
Hardness CaCO3 (mg/l)	200	NA	NA	NA	310	NA	NA	NA	310	NA	NA	NA	280	NA	NA	NA	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS
COD (mg/l)	8.2 J	<10	NA	NA	22	<10	NA	NA	24	<10	NA	NA	10	<10	NA	NA	100	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS
Ammonia (as N) (mg/l)	1.0	**7.9**	NA	NA	**10**	**19**	NA	NA	**10**	**19**	NA	NA	0.61	0.65	NA	NA	0.046 J	0.043 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
Kjeldahl Nitrogen (mg/l)	1.2	9.0	NA	NA	9.8	20	NA	NA	9.8	19	NA	NA	1.1	0.69	NA	NA	2.1	0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS
Bromide (mg/l)	0.084 J	<0.50	NA	NA	0.27	<0.50	NA	NA	0.27	<0.50	NA	NA	0.13	<0.50	NA	NA	0.11 J	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
TDS (mg/l)	470	940	NA	NA	690	640	NA	NA	670	660	NA	NA	460	500	NA	NA	740	580	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS
BOD (mg/l)	<2.0	<4.0	NA	NA	5.1	<4.0	NA	NA	5.2	4.1	NA	NA	5.0 J	<4.0	NA	NA	<2.0	<4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS
Chloride (mg/l)	140	**380**	NA	NA	210	210	NA	NA	210	210	NA	NA	100	170	NA	NA	**260**	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Nitrate (as N) (mg/l)	1.1	1.1	NA	NA	<0.075	<0.50	NA	NA	<0.075	<0.50	NA	NA	<0.040	<0.50	NA	NA	6.1	4.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10
Sulfate (as SO4) (mg/l)	25	21	NA	NA	1.8 J	<10	NA	NA	1.8 J	<10	NA	NA	5.9	20	NA	NA	33	26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
TOC (mg/l)	1.8	3.3	NA	NA	4.3	5	NA	NA	4.4	5	NA	NA	2.5	1.4	NA	NA	2.9	4.3	NA	NA	NA	NA	NA	NA	27	27	NA	NA	23	27	NA	NA	NS
Alkalinity, as CaCO3 (mg/l)	190	350	NA	NA	360	390	NA	NA	350	380	NA	NA	270	260	NA	NA	240	260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS
Phenolics (mg/l)	<0.00086	0.0059	**<0.010**	**<0.010**	**0.0012 J**	**<0.0050**	**<0.010**	**<0.010**	**0.0013 J**	**<0.0050**	**<0.010**	**<0.010**	**0.0011 J**	**<0.0050**	**<0.010**	**<0.010**	**0.0014 J**	**<0.0050**	**<0.010**	**<0.010**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001
PCBs (ug/l)	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	NA		ND	ND	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.09 ug/l total
Turbidity (NTU)	31	23	NA	NA	150	420	NA	NA	170	350	NA		20	24	NA	NA	22,000	30,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS

Notes:
MW-8 is a field duplicate of MW-6D
J = Estimated value
B = Compound was found in the blank and sample
VOC = Volatile Organic Compound
(a) value has been updated from its original based on data validation
Due to low surrogate recoveries for all SVOCs, all undetected SVOCs are J qualified for the May 2025 monitoring event.
ug/l = micrograms per liter
mg/l = milligrams per liter
NA = Not Analyzed
NS = No Standard
Shaded and bold data exceed the NYSDEC Class GA Groundwater Standard or other Guidance Value.
***Laboratory method detection limit exceeds NYSDEC Class GA Groundwater Standard or Guidance Value.**
Only detected compounds are presented. Refer to the analytical report for a list of all compounds

APPENDIX A

Keystone Environmental Indoor/Outdoor Air Quality Analytical Results & OM&M Inspection Report (December 2024, January 2025 & April 2025)

August 19, 2025

Douglas Schott, P.G.
ARM Group LLC
515 South Franklin Street
West Chester, PA 19382

Re: Data Usability Summary Report – Alpha Analytical – January 2025 Samples

Dear Mr. Schott:

The evaluation of analytical data for volatile organics analyses by Alpha Analytical for four air samples from the Binghamton Plaza Kmart site, which were reported in a single data package under Job No. L2500525, has been completed. The data package was received by ddms, inc. (ddms) for review, and the following samples were reported:

IA-1 IA-2 OA-1 OA-2

Analyses were performed in accordance with USEPA Method TO-15, full scan and Selected Ion Monitoring (SIM) modes. Results for vinyl chloride, 1,1-dichloroethene, cis-1,2-dichloroethene, 1,1,1-trichloroethane, carbon tetrachloride, trichloroethene, and tetrachloroethene in IA-1, IA-2, OA-1, and OA-2 were reported from the SIM analyses, and all other results for these samples were reported from the full-scan analyses.

ddms' review was performed in accordance with the analytical method, ddms Standard Operating Procedure (SOP) ECS-SOP-1, "Validation of Volatile Organics in Air Samples by Method TO-15 and TO-17," and "DER-10/Technical Guidance for Site Investigation and Remediation." Professional judgment was applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 were applied as applicable.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

	Data Usability Summary Report	
1.	Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2.	Have all holding times been met?	Yes
3.	Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No
4.	Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5.	Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes
6.	Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes

	Data Usability Summary Report	
7.	Have any quality control (QC) exceedances been specifically noted in the DUSR and has the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Based on the data review effort, sample results were determined to be valid as reported, with the following exceptions:

- Results for benzyl chloride and 1,2,4-trichlorobenzene in all field samples were qualified as estimated (UJ) due to high %RSD.
- Results for benzyl chloride in all field samples were qualified as estimated (UJ) due to high variability between the IC and the ICV.
- Results for acetone in all field samples and results for ethanol in IA-1, IA-2 and OA-2 were qualified as estimated (J+) due to high %D in the CCV. Results may be biased high.
- Results for acetone in all field samples and results for ethanol in IA-1, IA-2 and OA-2 were qualified as estimated (J+) due to high LCS %R.

All qualifiers applied as a result of the validation process are reflected on the Analytical Reports included as Attachment A to this report. Qualifier definitions are also provided in this attachment. A copy of the laboratory case narrative and chain of custody record are provided in Attachment B.

The following components were reviewed, where applicable:

- Chain of custody
- Receiving conditions
- Holding times
- Sample integrity
- Analyte lists
- Reporting limits
- Requested method
- Units
- Sample related quality control data:
  - Blanks
  - Laboratory control sample (LCS)/LCS duplicate (LCSD) recoveries
  - Internal standard areas
  - Duplicates
- Instrument related quality control data:
  - Instrument tunes
  - Calibration summaries

The following sections of this report detail the reasons qualifiers were applied to the sample results. Each parameter section discusses the quality control (QC) excursions that impacted

sample results. Where a quality indicator was deemed acceptable after thorough review, no further discussion is included in this report. Detailed findings are included for each quality element that impacted the usability of the reported results. Additional information or explanation is included as needed, to provide support for decisions made, based on the validator's best professional judgment.

Where a result was qualified J+ and J, or J- and J, the J qualifier takes precedence. Where a result was qualified biased high and low for differing data quality excursions, the final qualifier is J, with indeterminate bias.

Documentation:

The data package was determined to be a complete Category B data package, based on the completeness check performed.

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody record was included in the data package, documenting a sample collection date of January 2, 2025. The samples were received by the laboratory on January 6 and 7, 2025. All samples were analyzed within the analytical method-required holding time.

A. Volatile Organic Compounds – Full Scan

1. Calibrations

IC was performed on December 20, 2024, on instrument AIRLAB16. Documentation of all IC standards was included in the data package, and all relative response factors (RRFs) and percent relative standard deviation (%RSD) values were correctly calculated and reported. All RRFs were greater than the minimum acceptance limit of 0.05, and all %RSD values were less than the maximum acceptance limit of 30%, except for benzyl chloride (41.57%) and 1,2,4-trichlorobenzene (42.11%). Results for benzyl chloride and 1,2,4-trichlorobenzene in all field samples were qualified as estimated (UJ) due to high %RSD.

An ICV standard was analyzed after the IC. RRFs were greater than the minimum acceptance limit, and percent differences (%Ds) were less than 30%, except for benzyl chloride (32.3%). Results for benzyl chloride in all field samples were qualified as estimated (UJ) due to high variability between the IC and the ICV.

A continuing calibration (CC) standard was analyzed prior to the site sample analyses on January 18, 2025. All RRFs in the CC standard were acceptable (QC ≥0.05 RRF). The %Ds were acceptable (QC ≤30%D), except for freon-114 (33.9%), ethanol (32.5 %), acetone (33.7 %) ethyl acetate (30.2%), bromodichloromethane (30.6 %), dibromochloromethane (32.4%), bromoform (39.2 %), benzyl chloride (32.3%), and naphthalene (46.3%). The high responses suggest the potential for reporting false positives or sample results that are biased high. Since freon-114, ethyl acetate, bromodichloromethane, dibromochloromethane, bromoform, benzyl chloride and maphthalene were not detected in any of the field samples, no action was necessary based on

the high %Ds. Results for acetone in all field samples and results for ethanol in IA-1, IA-2 and OA-2 were qualified as estimated (J+) due to high %D in the CCV. Results may be biased high.

2. Laboratory Control Sample (LCS)

An LCS was prepared and analyzed with the samples. Recoveries of all target compounds in the LCS were acceptable (QC 70-130%), except for freon-114 (134%), ethanol (132%), acetone (134%), dibromochloromethane (132%), bromoform (139%), benzyl chloride (132%) and naphthalene (150%). Results for acetone in all field samples and results for ethanol in IA-1, IA-2 and OA-2 were qualified as estimated (J+) due to high LCS %R. Non detected results were not qualified.

B. Volatile Organic Compounds – SIM

1. Calibrations

IC was performed on December 20, 2024, on instrument AIRLAB16. Documentation of all IC standards was included in the data package, and all RRFs and %RSD values were correctly calculated and reported. All RRFs were greater than the minimum acceptance limit of 0.05, and all %RSD values were less than the maximum acceptance limit of 30%. No qualification was necessary.

An ICV standard was analyzed after the IC. RRFs were greater than the minimum acceptance limit, and %Ds were less than 30%. No qualification was necessary.

A CC standard was analyzed prior to the site sample analyses on January 18, 2025. All RRFs and %Ds in the CC standard were acceptable (QC ≥0.05 RRF, ≤30%D). No qualification was necessary.

Please feel free to contact me at (651) 583-8724 or astults@ddmsinc.com if you have any questions regarding this data package review report or need further information.

Kind regards,

de maximis Data Management Solutions, Inc.

Angela Stults

Angela Stults
Environmental Chemist

EPA Qualifier Definitions

U	**The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.**
J	**The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.**
J+	**The result is an estimated quantity, but the result may be biased high.**
J-	**The result is an estimated quantity, but the result may be biased low.**
NJ	**The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the sample.**
UJ	**The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.**
R	**The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.**

ATTACHMENT A

ANALYTICAL RESULTS FORMS
Laboratory Job No. L2500525

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-01	Date Collected	: 01/02/25 15:45
Client ID	: IA-1	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 19:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647989	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.624	0.200	--	3.09	0.989	--	
74-87-3	Chloromethane	0.666	0.200	--	1.38	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	466	5.00	--	878	9.42	--	J+
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	10.1	1.00	--	24.0	2.38	--	J+
75-69-4	Trichlorofluoromethane	0.280	0.200	--	1.57	1.12	--	
67-63-0	Isopropanol	19.6	1.00	--	48.2	2.46	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.763	0.200	--	3.73	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.345	0.200	--	1.22	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Angela Stults 8/6/2025

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-01	Date Collected	: 01/02/25 15:45
Client ID	: IA-1	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 19:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647989	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.258	0.200	--	0.972	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	~~U~~ UJ
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

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Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
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Lab ID	: L2500525-01	Date Collected	: 01/02/25 15:45
Client ID	: IA-1	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 19:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647989	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	~~U~~ UJ
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Angela Stults 8/6/2025

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-02	Date Collected	: 01/02/25 15:49
Client ID	: IA-2	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 20:12
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647990	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.630	0.200	--	3.12	0.989	--	
74-87-3	Chloromethane	0.628	0.200	--	1.30	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	231	5.00	--	435	9.42	--	J+
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	8.04	1.00	--	19.1	2.38	--	J+
75-69-4	Trichlorofluoromethane	0.281	0.200	--	1.58	1.12	--	
67-63-0	Isopropanol	18.7	1.00	--	46.0	2.46	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.398	0.200	--	1.94	0.977	--	
109-99-9	Tetrahydrofuran	1.13	0.500	--	3.33	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.367	0.200	--	1.29	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Angela Stults 8/6/2025

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-02	Date Collected	: 01/02/25 15:49
Client ID	: IA-2	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 20:12
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647990	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.271	0.200	--	1.02	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	~~U~~ UJ
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

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Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-02	Date Collected	: 01/02/25 15:49
Client ID	: IA-2	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 20:12
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647990	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	~~U~~ UJ
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

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Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-03	Date Collected	: 01/02/25 15:58
Client ID	: OA-1	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 17:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647986	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.620	0.200	--	3.07	0.989	--	
74-87-3	Chloromethane	0.781	0.200	--	1.61	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	3.79	1.00	--	9.00	2.38	--	J+
75-69-4	Trichlorofluoromethane	0.270	0.200	--	1.52	1.12	--	
67-63-0	Isopropanol	ND	1.00	--	ND	2.46	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.801	0.500	--	2.36	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	5.42	0.500	--	16.0	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

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Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-03	Date Collected	: 01/02/25 15:58
Client ID	: OA-1	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 17:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647986	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	~~U~~ UJ
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

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Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-03	Date Collected	: 01/02/25 15:58
Client ID	: OA-1	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 17:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647986	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	~~U~~ UJ
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

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Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-04	Date Collected	: 01/02/25 16:03
Client ID	: OA-2	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 18:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647987	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.643	0.200	--	3.18	0.989	--	
74-87-3	Chloromethane	0.628	0.200	--	1.30	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	5.48	5.00	--	10.3	9.42	--	J+
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	2.21	1.00	--	5.25	2.38	--	J+
75-69-4	Trichlorofluoromethane	0.262	0.200	--	1.47	1.12	--	
67-63-0	Isopropanol	5.01	1.00	--	12.3	2.46	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	1.29	0.500	--	3.80	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.278	0.200	--	0.980	0.705	--	
71-43-2	Benzene	0.293	0.200	--	0.936	0.639	--	

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Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-04	Date Collected	: 01/02/25 16:03
Client ID	: OA-2	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 18:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647987	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.450	0.200	--	1.70	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	~~U~~ UJ
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

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Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-04	Date Collected	: 01/02/25 16:03
Client ID	: OA-2	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 18:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647987	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	~~U~~ UJ
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

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Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-01	Date Collected	: 01/02/25 15:45
Client ID	: IA-1	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 19:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: BJB
Lab File ID	: R1647989_EV2	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-02	Date Collected	: 01/02/25 15:49
Client ID	: IA-2	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 20:12
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: BJB
Lab File ID	: R1647990_EV2	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-03	Date Collected	: 01/02/25 15:58
Client ID	: OA-1	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 17:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: BJB
Lab File ID	: R1647986_EV2	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-04	Date Collected	: 01/02/25 16:03
Client ID	: OA-2	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 18:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: BJB
Lab File ID	: R1647987_EV2	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

ATTACHMENT B

LABORATORY CASE NARRATIVE AND
CHAIN OF CUSTODY RECORD
Laboratory Job No. L2500525

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 23, 2024. The canister certification data is provided as an addendum.

The WG2021062-3 LCS recovery associated with L2500525-01 through -04 is above the upper 130% acceptance limit for dibromochloromethane (132%), bromoform (139%), benzyl chloride (132%), and naphthalene (150%). All samples associated with this LCS do not have reportable amounts of this analyte.

The WG2021062-3 CC recovery associated with L2500525-01 through -04 are above the upper 130% acceptance limit for Ethanol and Acetone. Any samples associated with this CC that have reportable amounts of these analyte will be reported with high bias.

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

Authorized Signature: Christopher J Anderson Report Date: 01/20/25

Title: Technical Director/Representative

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 1/7/25

ALPHA Job #: L2500525

Client Information

Client: Keystone Material Testing
Address: 58 Exchange ST
Phone: 607-770-9098
Fax:
Email: CTarnowski@KECompanies.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Binghamton Plaza
Project Location: 33 west 5th ST.
Project #: 0426.01214.10
Project Manager: C. Tarnowski
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Normal TAT Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Detection Limit - 1 ug + 0.2 NYS + CAT B

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (Subject to Requirements) ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
00525-01	IA-1	1/2/25	8:15 AM	3:45 PM	28.8	7.1	AA	CT	2.7	2375	01625	X					
02	IA-2		8:17	3:49	28.6	9.6	AA	CT	2.7	2074	02621	X					
03	~~IA-3~~ OA-1		8:21	3:58	28.8	8.1	AA	CT	2.7	185	02075	X					
04	OA-2		8:26	4:03	28.6	6.2	AA	CT	2.7	228	02044	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	1/6/25 : 9PM		1/6/25 1255
	1/6/25 1500		1/6/25 2300
	1/7/25 0100		1/7/25 01:00
JANSEN	1/7/25 05:00	Mendoza AAL	1/7/25 0700

ATTACHMENT C

QC SUMMARY FORMS - EXCURSIONS
Laboratory Job No. L2500525

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Method File : TFS16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 12:17:48 2024
Response Via : Initial Calibration

Calibration Files
0.2 =r1647509.D 0.5 =r1647510.D 1.0 =r1647511.D 5.0 =r1647512.D 10 =r1647513.D 20 =r1647514.D
50 =r1647515.D 100 =r1647516.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1)	I	bromochloromethane	----------ISTD----------									
2)		chlorodifluoro...	0.805	0.836	0.843	0.778	0.787	0.784	0.736	0.679	0.781	6.86
3)		propylene		0.503	0.463	0.424	0.429	0.403	0.382		0.434	9.98
4)		propane		0.636	0.586	0.514	0.502	0.511	0.502		0.542	10.38
5)		dichlorodifluo...	0.930	0.990	1.008	0.943	0.882	0.865	0.805	0.773	0.900	9.30
6)	C	chloromethane	0.541	0.533	0.535	0.493	0.474	0.463	0.436	0.412	0.486	9.90
7)		Freon-114	1.020	1.037	1.073	1.005	0.977	0.962	0.875	0.774	0.965	10.08
8)	C	methanol			0.270	0.228	0.220	0.193	0.185	0.179	0.212	16.19
9)	C	vinyl chloride	0.414	0.449	0.447	0.426	0.420	0.418	0.399	0.381	0.419	5.45
10)	C	1,3-butadiene	0.393	0.376	0.387	0.367	0.366	0.362	0.339	0.320	0.364	6.69
11)		butane	0.784	0.812	0.788	0.728	0.710	0.677	0.613	0.561	0.709	12.51
12)	C	acetaldehyde		0.366	0.339	0.259	0.251	0.248	0.233	0.211	0.273	21.07
13)	C	bromomethane	0.373	0.378	0.387	0.363	0.357	0.361	0.334	0.314	0.358	6.70
14)	C	chloroethane	0.234	0.206	0.208	0.193	0.192	0.197	0.182	0.172	0.198	9.46
15)		ethanol			0.404	0.351	0.341	0.338	0.297	0.278	0.335	13.21
16)		dichlorofluoro...	0.720	0.758	0.794	0.747	0.735	0.739	0.663	0.611	0.721	8.04
17)	C	vinyl bromide	0.359	0.371	0.392	0.370	0.369	0.382	0.342	0.307	0.361	7.37
18)	C	acrolein		0.259	0.231	0.192	0.188	0.202	0.189	0.222	0.212	12.63
19)		acetone	0.612	0.873	0.575	0.498	0.491	0.503	0.433	0.518	0.563	24.23
20)	C	acetonitrile	0.498	0.427	0.468	0.410	0.408	0.433	0.393	0.313	0.419	13.10
21)		trichlorofluor...	0.591	0.900	0.613	0.876	0.578	0.890	0.534	0.648	0.703	22.23
22)		isopropyl alcohol	0.970	1.142	1.066	0.986	0.969	1.038	0.867	0.801	0.980	11.07
23)	C	acrylonitrile	0.396	0.409	0.428	0.402	0.410	0.445	0.448	0.443	0.423	4.99
24)		pentane	1.258	1.279	1.274	1.195	1.187	1.226	1.057	0.902	1.172	11.15
25)		ethyl ether	0.758	0.794	0.812	0.781	0.784	0.838	0.789	0.784	0.793	3.00
26)	C	1,1-dichloroet...	0.694	0.739	0.740	0.723	0.718	0.754	0.652	0.586	0.701	8.01
27)		tertiary butyl...		0.684	0.723	0.731	0.748	0.808	0.735	0.683	0.730	5.81
28)	C	methylene chlo...		0.724	0.730	0.663	0.664	0.710	0.681	0.636	0.687	5.14
29)	C	3-chloropropene	0.757	0.773	0.787	0.761	0.772	0.814	0.718	0.628	0.751	7.58
30)	C	carbon disulfide	2.229	1.888	1.811	1.632	1.627	1.737	1.621	1.414	1.745	13.87
31)		Freon 113	1.033	1.067	1.074	1.037	1.023	1.079	0.958	0.833	1.013	8.13

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Method File : TFS16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 12:17:48 2024
Response Via : Initial Calibration

Calibration Files
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50 =r1647515.D 100 =r1647516.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
32)		trans-1,2-dich...	0.673	0.710	0.745	0.712	0.717	0.757	0.665	0.602	0.698	7.12
33)	C	1,1-dichloroet...	0.911	0.965	0.990	0.937	0.942	0.991	0.866	0.772	0.922	7.97
34)	C	MTBE	1.064	1.179	1.194	1.169	1.188	1.274	1.182	1.070	1.165	5.89
35)	C	vinyl acetate			1.223	1.011	1.041	1.244	1.145	1.021	1.114	9.36
36)	C	2-butanone			1.398	1.413	1.325	1.333	1.414	1.248	1.095	1.318	8.74
37)		cis-1,2-dichlo...	0.657	0.694	0.709	0.699	0.690	0.735	0.647	0.582	0.677	7.02
38)		Ethyl Acetate	0.147	0.173	0.184	0.174	0.174	0.189	0.172	0.159	0.172	7.73
39)	C	chloroform	0.926	0.937	0.962	0.918	0.899	0.964	0.873	0.807	0.911	5.68
40)		Tetrahydrofuran	0.873	0.778	0.795	0.777	0.773	0.827	0.736	0.647	0.776	8.50
41)		2,2-dichloropr...	0.506	0.538	0.567	0.580	0.600	0.664	0.626	0.570	0.581	8.48
42)	C	1,2-dichloroet...	0.596	0.584	0.589	0.553	0.543	0.565	0.465	0.403	0.537	12.71
43)	I	1,4-difluorobenzene	ISTD									
44)	C	hexane	0.304	0.315	0.315	0.303	0.303	0.324	0.308	0.290	0.308	3.33
45)		diisopropyl ether	0.153	0.163	0.171	0.168	0.167	0.180	0.171	0.164	0.167	4.60
46)		tert-butyl eth...	0.472	0.487	0.520	0.514	0.519	0.554	0.510	0.486	0.508	5.08
47)	s	1,2-dichloroet...	0.230	0.228	0.233	0.220	0.219	0.226	0.191	0.168	0.214	10.62
48)	C	1,1,1-trichlor...	0.278	0.294	0.306	0.293	0.298	0.319	0.281	0.248	0.290	7.32
49)		1,1-dichloropr...	0.292	0.299	0.312	0.303	0.301	0.329	0.318	0.295	0.306	4.14
50)	C	benzene	0.767	0.725	0.739	0.680	0.680	0.737	0.732	0.693	0.719	4.38
51)		thiophene	0.439	0.465	0.472	0.575	0.581	0.505	0.488	0.471	0.500	10.39
52)	C	carbon tetrach...	0.246	0.262	0.266	0.264	0.269	0.293	0.272	0.246	0.265	5.60
53)		cyclohexane	0.306	0.326	0.335	0.320	0.323	0.347	0.336	0.330	0.328	3.76
54)		tert-amyl meth...	0.460	0.474	0.488	0.483	0.498	0.552	0.535	0.504	0.499	6.18
55)		dibromomethane	0.215	0.221	0.228	0.222	0.220	0.232	0.209	0.191	0.217	5.97
56)	C	1,2-dichloropr...	0.244	0.254	0.257	0.249	0.249	0.265	0.239	0.220	0.247	5.49
57)		bromodichlorom...	0.315	0.344	0.347	0.336	0.340	0.367	0.345	0.327	0.340	4.48
58)	C	1,4-dioxane	0.149	0.145	0.140	0.141	0.141	0.156	0.149	0.143	0.145	3.73
59)	C	trichloroethene	0.289	0.300	0.316	0.298	0.299	0.318	0.295	0.272	0.298	4.87
60)	C	2,2,4-trimethy...	0.992	1.028	1.052	1.013	1.012	1.050	0.985	0.932	1.008	3.87
61)		methyl methacr...		0.253	0.275	0.267	0.276	0.308	0.274	0.244	0.271	7.57
62)		heptane	0.490	0.505	0.519	0.495	0.494	0.525	0.475	0.417	0.490	6.85

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Method File : TFS16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 12:17:48 2024
Response Via : Initial Calibration

Calibration Files
0.2 =r1647509.D 0.5 =r1647510.D 1.0 =r1647511.D 5.0 =r1647512.D 10 =r1647513.D 20 =r1647514.D
50 =r1647515.D 100 =r1647516.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
63)	C	cis-1,3-dichlo...	0.289	0.300	0.319	0.319	0.334	0.376	0.372	0.351	0.333	9.62
64)	C	4-methyl-2-pen...		0.591	0.608	0.592	0.604	0.654	0.587	0.516	0.593	6.91
65)		trans-1,3-dich...	0.201	0.201	0.213	0.229	0.243	0.283	0.282	0.269	0.240	14.34
66)	C	1,1,2-trichlor...	0.279	0.288	0.292	0.278	0.280	0.300	0.274	0.251	0.280	5.18
67)	I	chlorobenzene-D5	----------ISTD----------									
68)	C	toluene	6.509	6.327	6.415	5.991	5.939	6.475	6.107	5.638	6.175	4.99
69)	s	toluene-D8	6.309	6.372	6.485	6.056	6.136	6.743	6.535	6.307	6.368	3.46
70)		2-methylthiophene	5.153	5.706	5.695	6.937	6.839	5.947	5.610	5.098	5.873	11.73
71)		1,3-dichloropr...	2.546	2.794	2.859	2.746	2.765	3.073	3.101	2.873	2.845	6.33
72)		2-hexanone	3.588	3.787	3.928	3.912	3.978	4.498	4.169	3.607	3.933	7.59
73)		3-methylthiophene	6.306	5.903	6.003	7.399	7.336	6.309	5.807	5.190	6.282	12.03
74)		dibromochlorom...	2.405	2.625	2.639	2.656	2.693	2.954	2.832	2.633	2.680	6.00
75)	C	1,2-dibromoethane	2.736	2.904	3.006	2.972	2.988	3.356	3.264	2.982	3.026	6.51
76)		butyl acetate		0.573	0.609	0.619	0.646	0.802	0.825	0.762	0.691	14.84
77)		octane	1.915	2.046	2.106	2.040	2.031	2.205	2.195	2.132	2.084	4.62
78)	C	tetrachloroethene	2.479	2.681	2.664	2.518	2.520	2.744	2.647	2.442	2.587	4.26
79)		1,1,1,2-tetrac...	1.873	2.054	2.090	2.073	2.077	2.288	2.142	1.914	2.064	6.25
80)	C	chlorobenzene	4.647	4.941	5.079	4.759	4.829	5.309	5.211	4.611	4.923	5.24
81)	C	ethylbenzene	7.252	7.855	8.173	7.763	7.708	8.312	7.776	6.995	7.729	5.62
82)		2-ethylthiophene	5.681	6.258	6.588	8.163	8.130	6.907	6.454	5.620	6.725	14.55
83)	C	m+p-xylene	5.995	6.425	6.602	6.141	6.046	6.407	6.039	5.277	6.117	6.62
84)	C	bromoform	1.890	2.117	2.209	2.162	2.201	2.467	2.473	2.302	2.228	8.57
85)	C	styrene	4.336	4.683	4.958	5.015	5.058	5.710	5.669	5.041	5.059	9.06
86)	C	1,1,2,2-tetrac...	4.087	4.629	4.892	4.573	4.459	4.850	4.740	4.148	4.547	6.62
87)	C	o-xylene	6.222	6.640	6.904	6.322	6.174	6.468	5.991	5.145	6.233	8.41
88)		1,2,3-trichlor...	2.868	3.395	3.597	3.459	3.453	3.808	3.876	3.586	3.505	8.81
89)		nonane	5.399	6.013	6.290	6.065	5.974	6.351	5.912	4.992	5.874	7.81
90)	s	bromofluoroben...	4.335	4.406	4.460	4.245	4.183	4.492	4.439	4.328	4.361	2.48
91)	C	isopropylbenzene	7.409	8.288	8.510	8.294	8.258	8.890	8.603	7.462	8.214	6.38
92)		bromobenzene	3.919	4.413	4.536	4.367	4.371	4.792	4.892	4.506	4.474	6.62
93)		2-chlorotoluene	2.086	2.520	2.616	2.478	2.506	2.653	2.584	2.391	2.479	7.22

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Method File : TFS16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 12:17:48 2024
Response Via : Initial Calibration

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50 =r1647515.D 100 =r1647516.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
94)		n-propylbenzene	2.191	2.641	2.814	2.717	2.704	2.875	2.863	2.641	2.681	8.14
95)		4-chlorotoluene	1.975	2.395	2.471	2.452	2.418	2.611	2.546	2.402	2.409	7.90
96)		4-ethyl toluene	6.526	8.192	8.789	8.453	8.484	9.241	8.980	7.863	8.316	10.16
97)		1,3,5-trimethy...	6.121	7.292	7.573	7.271	7.147	7.912	7.609	6.590	7.189	8.09
98)		tert-butylbenzene	6.746	7.824	8.321	7.775	7.570	7.995	7.321	6.125	7.460	9.59
99)		1,2,4-trimethy...	6.462	7.126	7.652	7.381	7.309	7.856	7.054	5.779	7.077	9.48
100)		decane	4.910	5.711	6.212	5.737	5.603	5.894	5.728	5.314	5.639	6.88
101)	C	Benzyl Chloride	1.158	1.658	2.314	2.931	3.390	4.144	4.534	4.377	3.063	41.57#
102)		1,3-dichlorobe...	3.310	5.093	5.483	5.411	5.409	6.054	5.717	5.048	5.191	15.91
103)	C	1,4-dichlorobe...	3.537	5.024	5.410	5.285	5.446	5.778	5.757	5.084	5.165	13.80
104)		sec-butylbenzene	0.882	1.061	1.119	1.068	1.076	1.156	1.086	0.927	1.047	8.97
105)		1,2,3-trimethy...	5.628	6.820	7.176	6.711	6.695	7.343	6.611	5.483	6.558	10.20
106)		p-isopropyltol...	7.604	9.264	9.963	9.323	9.086	9.557	8.958	7.265	8.878	10.65
107)		1,2-dichlorobe...	3.431	4.790	5.387	5.193	5.234	5.658	5.607	5.081	5.048	14.08
108)		n-butylbenzene	5.497	7.290	8.075	8.314	8.192	8.546	8.135	7.398	7.681	12.81
109)		indan	5.324	7.135	7.724	7.131	7.076	7.778	7.592	6.879	7.080	11.06
110)		indene	2.873	3.945	4.648	4.434	4.483	5.179	5.315	5.075	4.494	17.72
111)	C	1,2-dibromo-3-...	0.964	1.371	1.487	1.705	1.809	1.980	2.053	1.939	1.664	22.23
112)		undecane	3.928	5.704	6.274	6.072	5.999	6.278	6.182	5.743	5.772	13.45
113)		1,2,4,5-tetram...	2.295	3.083	3.428	3.917	3.925	3.735	3.883	3.808	3.509	16.27
114)		dodecane	2.474	4.009	5.253	5.617	5.701	5.390	5.802	5.417	4.958	23.19
115)	C	1,2,4-trichlor...	0.690	1.361	1.940	2.702	3.113	3.220	3.567	3.379	2.497	42.11#
116)		naphthalene	3.281	5.564	6.934	8.351	9.289	9.024	9.783	9.132	7.670	29.47
117)		1,2,3-trichlor...	0.901	1.587	2.169	2.511	2.873	2.818	3.222	3.086	2.396	33.54#
118)		benzothiophene	0.861	1.669	2.317	4.158	5.113	4.055	4.745	4.779	3.462	46.61#
119)	C	hexachlorobuta...	1.541	2.147	2.605	2.553	2.642	2.646	2.671	2.308	2.389	16.35
120)		2-methylnaphth...			0.224	0.539	0.786	0.586	0.932	1.046	0.685	43.56#
121)		1-methylnaphth...			0.750	1.527	1.982	1.320	1.916	2.006	1.584	31.14#

(#) = Out of Range

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647519.D
Acq On : 20 Dec 2024 9:08 AM
Operator : AIRLAB16:JMB
Sample : CTO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 12:19:16 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	93	0.00
2		chlorodifluoromethane	0.781	0.781	0.0	93	0.00
3		propylene	0.434	0.441	-1.6	96	0.00
4		propane	0.542	0.541	0.2	101	0.00
5		dichlorodifluoromethane	0.900	0.898	0.2	95	0.00
6	C	chloromethane	0.486	0.420	13.6	83	0.00
7		Freon-114	0.965	1.039	-7.7	99	0.00
8	C	methanol	0.212	0.199	6.1	85	0.00
9	C	vinyl chloride	0.419	0.420	-0.2	93	0.00
10	C	1,3-butadiene	0.364	0.390	-7.1	99	0.00
11		butane	0.709	0.613	13.5	81	0.00
13	C	bromomethane	0.358	0.374	-4.5	98	0.00
14	C	chloroethane	0.198	0.197	0.5	96	0.00
15		ethanol	0.335	0.329	1.8	90	0.00
16		dichlorofluoromethane	0.721	0.657	8.9	83	0.00
17	C	vinyl bromide	0.361	0.357	1.1	90	0.00
18	C	acrolein	0.212	0.190	10.4	94	0.00
19		acetone	0.563	0.487	13.5	92	0.00
20	C	acetonitrile	0.419	0.378	9.8	86	0.00
21		trichlorofluoromethane	0.703	0.574	18.3	93	0.00
22		isopropyl alcohol	0.980	0.875	10.7	84	0.00
23	C	acrylonitrile	0.423	0.474	-12.1	108	0.00
24		pentane	1.172	1.025	12.5	81	0.00
25		ethyl ether	0.793	0.845	-6.6	101	0.00
26	C	1,1-dichloroethene	0.701	0.690	1.6	90	0.00
27		tertiary butyl alcohol	0.730	0.748	-2.5	93	0.00
28	C	methylene chloride	0.687	0.739	-7.6	104	0.00
29	C	3-chloropropene	0.751	0.764	-1.7	92	0.00
30	C	carbon disulfide	1.745	1.760	-0.9	101	0.00
31		Freon 113	1.013	1.025	-1.2	93	0.00
32		trans-1,2-dichloroethene	0.698	0.706	-1.1	92	0.00
33	C	1,1-dichloroethane	0.922	0.876	5.0	87	0.00
34	C	MTBE	1.165	1.257	-7.9	99	0.00
35	C	vinyl acetate	1.114	1.058	5.0	95	0.00
36	C	2-butanone	1.318	1.263	4.2	88	0.00
37		cis-1,2-dichloroethene	0.677	0.674	0.4	91	0.00
38		Ethyl Acetate	0.172	0.192	-11.6	103	0.00
39	C	chloroform	0.911	0.954	-4.7	99	0.00
40		Tetrahydrofuran	0.776	0.733	5.5	89	0.00

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Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647519.D
Acq On : 20 Dec 2024 9:08 AM
Operator : AIRLAB16:JMB
Sample : CTO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 12:19:16 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	0.581	0.593	-2.1	92	0.00
42	C	1,2-dichloroethane	0.537	0.457	14.9	79	0.00
43	I	1,4-difluorobenzene	1.000	1.000	0.0	95	0.00
44	C	hexane	0.308	0.338	-9.7	105	0.00
45		diisopropyl ether	0.167	0.172	-3.0	97	0.00
46		tert-butyl ethyl ether	0.508	0.493	3.0	90	0.00
47	s	1,2-dichloroethane-D4	0.214	0.176	17.8	76	0.00
48	C	1,1,1-trichloroethane	0.290	0.264	9.0	84	0.00
49		1,1-dichloropropene	0.306	0.321	-4.9	101	0.01
50	C	benzene	0.719	0.734	-2.1	102	0.00
52	C	carbon tetrachloride	0.265	0.264	0.4	93	0.00
53		cyclohexane	0.328	0.377	-14.9	110	0.00
54		tert-amyl methyl ether	0.499	0.507	-1.6	96	0.00
55		dibromomethane	0.217	0.208	4.1	89	0.00
56	C	1,2-dichloropropane	0.247	0.233	5.7	89	0.01
57		bromodichloromethane	0.340	0.375	-10.3	104	0.00
58	C	1,4-dioxane	0.145	0.156	-7.6	104	0.00
59	C	trichloroethene	0.298	0.300	-0.7	95	0.00
60	C	2,2,4-trimethylpentane	1.008	1.139	-13.0	106	0.00
61		methyl methacrylate	0.271	0.275	-1.5	94	0.01
62		heptane	0.490	0.491	-0.2	94	0.00
63	C	cis-1,3-dichloropropene	0.333	0.372	-11.7	105	0.00
64	C	4-methyl-2-pentanone	0.593	0.596	-0.5	93	0.00
65		trans-1,3-dichloropropene	0.240	0.279	-16.3	108	0.00
66	C	1,1,2-trichloroethane	0.280	0.274	2.1	93	0.00
67	I	chlorobenzene-D5	1.000	1.000	0.0	89	0.00
68	C	toluene	6.175	6.246	-1.1	94	0.00
69	s	toluene-D8	6.368	6.290	1.2	91	0.00
71		1,3-dichloropropane	2.845	3.070	-7.9	99	0.00
72		2-hexanone	3.933	4.278	-8.8	96	0.00
74		dibromochloromethane	2.680	3.137	-17.1	104	0.00
75	C	1,2-dibromoethane	3.026	3.445	-13.8	103	0.00
76		butyl acetate	0.691	0.774	-12.0	107	0.00
77		octane	2.084	2.213	-6.2	97	0.00
78	C	tetrachloroethene	2.587	2.770	-7.1	98	0.00
79		1,1,1,2-tetrachloroethane	2.064	2.189	-6.1	94	0.00
80	C	chlorobenzene	4.923	5.624	-14.2	104	0.00

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Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647519.D
Acq On : 20 Dec 2024 9:08 AM
Operator : AIRLAB16:JMB
Sample : CTO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 12:19:16 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	C	ethylbenzene	7.729	8.060	-4.3	93	0.00
83	C	m+p-xylene	6.117	6.445	-5.4	95	0.00
84	C	bromoform	2.228	2.664	-19.6	108	0.00
85	C	styrene	5.059	5.930	-17.2	105	0.00
86	C	1,1,2,2-tetrachloroethane	4.547	5.302	-16.6	106	0.00
87	C	o-xylene	6.233	6.718	-7.8	97	0.00
88		1,2,3-trichloropropane	3.505	4.004	-14.2	103	0.00
89		nonane	5.874	6.096	-3.8	91	0.02
90	s	bromofluorobenzene	4.361	4.419	-1.3	94	0.00
91	C	isopropylbenzene	8.214	9.750	-18.7	105	0.00
92		bromobenzene	4.474	5.184	-15.9	106	0.02
93		2-chlorotoluene	2.479	2.625	-5.9	93	0.00
94		n-propylbenzene	2.681	2.986	-11.4	98	0.02
95		4-chlorotoluene	2.409	2.599	-7.9	96	0.00
96		4-ethyl toluene	8.316	10.307	-23.9	108	0.00
97		1,3,5-trimethylbenzene	7.189	8.763	-21.9	109	0.00
98		tert-butylbenzene	7.460	8.531	-14.4	100	0.02
99		1,2,4-trimethylbenzene	7.077	8.575	-21.2	105	0.00
100		decane	5.639	5.958	-5.7	95	0.00
101	C	Benzyl Chloride	3.063	4.052	-32.3#	107	0.02
102		1,3-dichlorobenzene	5.191	6.332	-22.0	104	0.00
103	C	1,4-dichlorobenzene	5.165	6.308	-22.1	103	0.00
104		sec-butylbenzene	10.468	12.363	-18.1	102	0.00
106		p-isopropyltoluene	8.878	9.679	-9.0	95	0.00
107		1,2-dichlorobenzene	5.048	6.094	-20.7	104	0.00
108		n-butylbenzene	7.681	8.975	-16.8	98	0.00
111	C	1,2-dibromo-3-chloropropane	1.664	2.031	-22.1	100	0.00
112		undecane	5.772	6.370	-10.4	95	0.00
114		dodecane	4.958	5.751	-16.0	90	0.00
115	C	1,2,4-trichlorobenzene	2.497	3.093	-23.9	89	0.00
116		naphthalene	7.670	9.184	-19.7	88	0.00
117		1,2,3-trichlorobenzene	2.396	2.786	-16.3	86	0.00
119	C	hexachlorobutadiene	2.389	2.635	-10.3	89	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

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Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-2,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	78	0.03
2		chlorodifluoromethane	0.781	0.902	-15.5	90	0.00
3		propylene	0.434	0.583	-34.3#	106	0.00
4		propane	0.542	0.615	-13.5	96	0.00
5		dichlorodifluoromethane	0.900	1.155	-28.3	103	0.00
6	C	chloromethane	0.486	0.516	-6.2	85	0.00
7		Freon-114	0.965	1.292	-33.9#	104	0.00
8	C	methanol	0.212	0.259	-22.2	92	0.00
9	C	vinyl chloride	0.419	0.491	-17.2	92	0.00
10	C	1,3-butadiene	0.364	0.452	-24.2	97	0.00
11		butane	0.709	0.850	-19.9	94	0.00
13	C	bromomethane	0.358	0.432	-20.7	95	0.00
14	C	chloroethane	0.198	0.229	-15.7	94	0.00
15		ethanol	0.335	0.444	-32.5#	102	0.00
16		dichlorofluoromethane	0.721	0.973	-35.0#	104	0.00
17	C	vinyl bromide	0.361	0.433	-19.9	92	0.00
18	C	acrolein	0.212	0.243	-14.6	101	0.00
19		acetone	0.563	0.753	-33.7#	120	0.00
20	C	acetonitrile	0.419	0.472	-12.6	91	0.00
21		trichlorofluoromethane	0.703	0.848	-20.6	115	0.00
22		isopropyl alcohol	0.980	0.856	12.7	69	0.00
23	C	acrylonitrile	0.423	0.454	-7.3	87	0.00
24		pentane	1.172	1.020	13.0	67	0.01
25		ethyl ether	0.793	0.812	-2.4	81	0.01
26	C	1,1-dichloroethene	0.701	0.842	-20.1	92	0.01
27		tertiary butyl alcohol	0.730	0.912	-24.9	96	0.01
28	C	methylene chloride	0.687	0.764	-11.2	90	0.01
29	C	3-chloropropene	0.751	0.911	-21.3	92	0.01
30	C	carbon disulfide	1.745	1.864	-6.8	90	0.01
31		Freon 113	1.013	1.219	-20.3	93	0.01
32		trans-1,2-dichloroethene	0.698	0.855	-22.5	93	0.02
33	C	1,1-dichloroethane	0.922	1.059	-14.9	88	0.02
34	C	MTBE	1.165	1.386	-19.0	91	0.02
35	C	vinyl acetate	1.114	1.115	-0.1	84	0.03
36	C	2-butanone	1.318	1.546	-17.3	91	0.03
37		cis-1,2-dichloroethene	0.677	0.801	-18.3	91	0.02
38		Ethyl Acetate	0.172	0.224	-30.2#	101	0.02
39	C	chloroform	0.911	1.084	-19.0	94	0.02
40		Tetrahydrofuran	0.776	0.887	-14.3	90	0.02

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-2,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	0.581	0.755	-29.9	99	0.03
42	C	1,2-dichloroethane	0.537	0.654	-21.8	94	0.03
43	I	1,4-difluorobenzene	1.000	1.000	0.0	80	0.02
44	C	hexane	0.308	0.368	-19.5	98	0.02
45		diisopropyl ether	0.167	0.190	-13.8	91	0.03
46		tert-butyl ethyl ether	0.508	0.564	-11.0	87	0.03
48	C	1,1,1-trichloroethane	0.290	0.339	-16.9	92	0.02
49		1,1-dichloropropene	0.306	0.349	-14.1	93	0.03
50	C	benzene	0.719	0.733	-1.9	87	0.02
52	C	carbon tetrachloride	0.265	0.343	-29.4	102	0.02
53		cyclohexane	0.328	0.384	-17.1	96	0.03
54		tert-amyl methyl ether	0.499	0.539	-8.0	87	0.03
55		dibromomethane	0.217	0.265	-22.1	97	0.03
56	C	1,2-dichloropropane	0.247	0.269	-8.9	87	0.03
57		bromodichloromethane	0.340	0.444	-30.6#	105	0.02
58	C	1,4-dioxane	0.145	0.178	-22.8	102	0.03
59	C	trichloroethene	0.298	0.342	-14.8	92	0.02
60	C	2,2,4-trimethylpentane	1.008	1.242	-23.2	99	0.02
61		methyl methacrylate	0.271	0.366	-35.1#	107	0.03
62		heptane	0.490	0.579	-18.2	94	0.02
63	C	cis-1,3-dichloropropene	0.333	0.380	-14.1	92	0.03
64	C	4-methyl-2-pentanone	0.593	0.707	-19.2	94	0.03
65		trans-1,3-dichloropropene	0.240	0.298	-24.2	98	0.02
66	C	1,1,2-trichloroethane	0.280	0.313	-11.8	90	0.03
67	I	chlorobenzene-D5	1.000	1.000	0.0	83	0.02
68	C	toluene	6.175	6.185	-0.2	87	0.03
71		1,3-dichloropropane	2.845	3.194	-12.3	96	0.03
72		2-hexanone	3.933	4.478	-13.9	94	0.03
74		dibromochloromethane	2.680	3.548	-32.4#	110	0.02
75	C	1,2-dibromoethane	3.026	3.374	-11.5	94	0.02
76		butyl acetate	0.691	0.781	-13.0	101	0.03
77		octane	2.084	2.220	-6.5	91	0.02
78	C	tetrachloroethene	2.587	2.820	-9.0	93	0.03
79		1,1,1,2-tetrachloroethane	2.064	2.619	-26.9	105	0.02
80	C	chlorobenzene	4.923	5.228	-6.2	90	0.03
81	C	ethylbenzene	7.729	8.112	-5.0	88	0.03
83	C	m+p-xylene	6.117	6.563	-7.3	90	0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-2,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
84	C	bromoform	2.228	3.101	-39.2#	117	0.03
85	C	styrene	5.059	5.532	-9.3	91	0.03
86	C	1,1,2,2-tetrachloroethane	4.547	5.039	-10.8	94	0.02
87	C	o-xylene	6.233	6.795	-9.0	92	0.03
88		1,2,3-trichloropropane	3.505	3.959	-13.0	95	0.02
89		nonane	5.874	6.198	-5.5	86	0.03
91	C	isopropylbenzene	8.214	9.630	-17.2	97	0.02
92		bromobenzene	4.474	5.069	-13.3	97	0.03
93		2-chlorotoluene	2.479	2.799	-12.9	93	0.03
94		n-propylbenzene	2.681	3.086	-15.1	95	0.03
95		4-chlorotoluene	2.409	2.888	-19.9	99	0.03
96		4-ethyl toluene	8.316	9.912	-19.2	97	0.03
97		1,3,5-trimethylbenzene	7.189	8.173	-13.7	95	0.02
98		tert-butylbenzene	7.460	8.776	-17.6	97	0.03
99		1,2,4-trimethylbenzene	7.077	8.118	-14.7	92	0.02
100		decane	5.639	6.184	-9.7	92	0.02
101	C	Benzyl Chloride	3.063	4.053	-32.3#	100	0.03
102		1,3-dichlorobenzene	5.191	6.079	-17.1	94	0.02
103	C	1,4-dichlorobenzene	5.165	6.076	-17.6	93	0.02
104		sec-butylbenzene	10.468	12.476	-19.2	97	0.03
106		p-isopropyltoluene	8.878	10.933	-23.1	100	0.03
107		1,2-dichlorobenzene	5.048	5.784	-14.6	92	0.03
108		n-butylbenzene	7.681	9.295	-21.0	94	0.02
111	C	1,2-dibromo-3-chloropropane	1.664	2.265	-36.1#	104	0.02
112		undecane	5.772	6.829	-18.3	95	0.00
114		dodecane	4.958	7.047	-42.1#	103	0.00
115	C	1,2,4-trichlorobenzene	2.497	3.115	-24.7	83	0.00
116		naphthalene	7.670	11.495	-49.9#	103	0.00
117		1,2,3-trichlorobenzene	2.396	3.505	-46.3#	102	0.00
119	C	hexachlorobutadiene	2.389	2.873	-20.3	91	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 3

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2021062-3	**Analysis Date** : 01/18/25 10:58	**File ID** : r1647982
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
Dichlorodifluoromethane	10	12.8	128				-	70-130	-
Chloromethane	10	10.6	106				-	70-130	-
Freon-114	10	13.4	134 Q				-	70-130	-
Vinyl chloride	10	11.7	117				-	70-130	-
1,3-Butadiene	10	12.4	124				-	70-130	-
Bromomethane	10	12.1	121				-	70-130	-
Chloroethane	10	11.6	116				-	70-130	-
Ethanol	50	66.2	132				-	40-160	-
Vinyl bromide	10	12.0	120				-	70-130	-
Acetone	50	66.9	134				-	40-160	-
Trichlorofluoromethane	10	12.0	120				-	70-130	-
Isopropanol	25	21.8	87				-	40-160	-
1,1-Dichloroethene	10	12.0	120				-	70-130	-
Tertiary butyl Alcohol	10	12.5	125				-	70-130	-
Methylene chloride	10	11.1	111				-	70-130	-
3-Chloropropene	10	12.1	121				-	70-130	-
Carbon disulfide	10	10.7	107				-	70-130	-
Freon-113	10	12.0	120				-	70-130	-
trans-1,2-Dichloroethene	10	12.3	123				-	70-130	-
1,1-Dichloroethane	10	11.5	115				-	70-130	-
Methyl tert butyl ether	10	11.9	119				-	70-130	-
2-Butanone	10	11.7	117				-	70-130	-
cis-1,2-Dichloroethene	10	11.8	118				-	70-130	-
Ethyl Acetate	10	13.0	130				-	70-130	-
Chloroform	10	11.9	119				-	70-130	-
Tetrahydrofuran	10	11.4	114				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2021062-3	**Analysis Date** : 01/18/25 10:58	**File ID** : r1647982
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
1,2-Dichloroethane	10	12.2	122				-	70-130	-
n-Hexane	10	11.9	119				-	70-130	-
1,1,1-Trichloroethane	10	11.7	117				-	70-130	-
Benzene	10	10.2	102				-	70-130	-
Carbon tetrachloride	10	12.9	129				-	70-130	-
Cyclohexane	10	11.7	117				-	70-130	-
1,2-Dichloropropane	10	10.9	109				-	70-130	-
Bromodichloromethane	10	13.0	130				-	70-130	-
1,4-Dioxane	10	12.3	123				-	70-130	-
Trichloroethene	10	11.5	115				-	70-130	-
2,2,4-Trimethylpentane	10	12.3	123				-	70-130	-
Heptane	10	11.8	118				-	70-130	-
cis-1,3-Dichloropropene	10	11.4	114				-	70-130	-
4-Methyl-2-pentanone	10	11.9	119				-	70-130	-
trans-1,3-Dichloropropene	10	12.4	124				-	70-130	-
1,1,2-Trichloroethane	10	11.2	112				-	70-130	-
Toluene	10	10.0	100				-	70-130	-
2-Hexanone	10	11.4	114				-	70-130	-
Dibromochloromethane	10	13.2	132 Q				-	70-130	-
1,2-Dibromoethane	10	11.2	112				-	70-130	-
Tetrachloroethene	10	10.9	109				-	70-130	-
Chlorobenzene	10	10.6	106				-	70-130	-
Ethylbenzene	10	10.5	105				-	70-130	-
p/m-Xylene	20	21.5	108				-	70-130	-
Bromoform	10	13.9	139 Q				-	70-130	-
Styrene	10	10.9	109				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2021062-3	**Analysis Date** : 01/18/25 10:58	**File ID** : r1647982
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ppbV)**	**Found (ppbV)**	**%R**	**True (ppbV)**	**Found (ppbV)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
1,1,2,2-Tetrachloroethane	10	11.1	111				-	70-130	-
o-Xylene	10	10.9	109				-	70-130	-
4-Ethyltoluene	10	11.9	119				-	70-130	-
1,3,5-Trimethylbenzene	10	11.4	114				-	70-130	-
1,2,4-Trimethylbenzene	10	11.5	115				-	70-130	-
Benzyl chloride	10	13.2	132 Q				-	70-130	-
1,3-Dichlorobenzene	10	11.7	117				-	70-130	-
1,4-Dichlorobenzene	10	11.8	118				-	70-130	-
1,2-Dichlorobenzene	10	11.4	114				-	70-130	-
1,2,4-Trichlorobenzene	10	12.5	125				-	70-130	-
Naphthalene	10	15.0	150 Q				-	70-130	-
Hexachlorobutadiene	10	12.0	120				-	70-130	-

Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2500525

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Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2500525-01	IA-1	AIR	33 WEST STATE ST.	01/02/25 15:45	01/06/25
L2500525-02	IA-2	AIR	33 WEST STATE ST.	01/02/25 15:49	01/06/25
L2500525-03	OA-1	AIR	33 WEST STATE ST.	01/02/25 15:58	01/06/25
L2500525-04	OA-2	AIR	33 WEST STATE ST.	01/02/25 16:03	01/06/25

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 23, 2024. The canister certification data is provided as an addendum.

The WG2021062-3 LCS recovery associated with L2500525-01 through -04 is above the upper 130% acceptance limit for dibromochloromethane (132%), bromoform (139%), benzyl chloride (132%), and naphthalene (150%). All samples associated with this LCS do not have reportable amounts of this analyte.

The WG2021062-3 CC recovery associated with L2500525-01 through -04 are above the upper 130% acceptance limit for Ethanol and Acetone. Any samples associated with this CC that have reportable amounts of these analyte will be reported with high bias.

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

Authorized Signature: Christopher J Anderson Report Date: 01/20/25

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

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

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Footnotes

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

Terms

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

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

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

ND or U - Not detected at the reporting limit (RL) for the sample.

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Pace Job Number : L2500525

Account Name : Keystone Environmental Services
Project Number : 0426.01214.10
Project Name : BINGHAMTON PLAZA

Received : 06-JAN-2025
Reviewer : Christopher J Anderson

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
NA	Absent/			

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**YES**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Jan 20 2025, 04:35 pm

Login Number: L2500525
Account: KEYSCOMP Keystone Environmental ServicesProject: 0426.01214.10
Received: 06JAN25 Due Date: 20JAN25

Sample #	Client ID	Mat	PR	Collected
L2500525-01	IA-1	10	S0	02JAN25 15:45
TO15 SIM for 7 NYS DMCs ASP-B Package Due Date: 01/20/25				
ASP-B,CAN-RENT,ENVIMPACT-FEE,FLOW-RENT,TO15-LL,TO15-SIM				
L2500525-02	IA-2	10	S0	02JAN25 15:49
TO15 SIM for 7 NYS DMCs Package Due Date: 01/20/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2500525-03	OA-1	10	S0	02JAN25 15:58
TO15 SIM for 7 NYS DMCs Package Due Date: 01/20/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2500525-04	OA-2	10	S0	02JAN25 16:03
TO15 SIM for 7 NYS DMCs Package Due Date: 01/20/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				

Logged By: Tyler Hatch

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 1/7/25

ALPHA Job #: L2500525

Client Information

Client: Keystone Material Testing
Address: 58 Exchange ST
Phone: 607-770-9098
Fax:
Email: CTarnowski@KECompanies.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Binghamton Plaza
Project Location: 33 west 5th ST.
Project #: 0426.01214.10
Project Manager: C. Tarnowski
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Normal TAT Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Detection Limit - 1 ug + 0.2 NYS + CAT B

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (Subject to Requirements) ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
00525-01	IA-1	1/2/25	8:15 AM	3:45 PM	28.8	7.1	AA	CT	2.7	2375	01625	X					
02	IA-2		8:17	3:49	28.6	9.6	AA	CT	2.7	2074	02621	X					
03	~~IA-3~~ OA-1		8:21	3:58	28.8	8.1	AA	CT	2.7	185	02075	X					
04	OA-2		8:26	4:03	28.6	6.2	AA	CT	2.7	228	02044	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	1/6/25 : 9PM		1/6/25 1255
	1/6/25 1500		1/6/25 2300
	1/7/25 0100		1/7/25 01:00
JANSEN	1/7/25 05:00	Mendoza AAL	1/7/25 0700

Supporting Documentation

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2500525-01	IA-1	01625	Flow 5	12/23/24	498582		-	-	-	Pass	4.6	5.0	8
L2500525-01	IA-1	2375	2.7L Can	12/23/24	498582	L2474359-04	Pass	-29.3	-8.2	-	-	-	-
L2500525-02	IA-2	02621	Flow 5	12/23/24	498582		-	-	-	Pass	4.6	4.8	4
L2500525-02	IA-2	2074	2.7L Can	12/23/24	498582	L2474359-04	Pass	-29.3	-10.4	-	-	-	-
L2500525-03	OA-1	02075	Flow 5	12/23/24	498582		-	-	-	Pass	4.5	5.1	13
L2500525-03	OA-1	185	2.7L Can	12/23/24	498582	L2474359-04	Pass	-29.3	-9.3	-	-	-	-
L2500525-04	OA-2	02044	Flow 5	12/23/24	498582		-	-	-	Pass	4.6	5.1	10
L2500525-04	OA-2	2213	2.7L Can	12/23/24	498582	L2474359-04	Pass	-29.3	-7.6	-	-	-	-

Air Canister Certification Results

Lab ID: L2474359-04
Client ID: CAN 389 SHELF 16
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/18/24 20:12
Analyst: JFI

Date Collected: 12/17/24 16:00
Date Received: 12/18/24
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Air Canister Certification Results

Lab ID: L2474359-04 Date Collected: 12/17/24 16:00
Client ID: CAN 389 SHELF 16 Date Received: 12/18/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1

Air Canister Certification Results

Lab ID: L2474359-04 Date Collected: 12/17/24 16:00
Client ID: CAN 389 SHELF 16 Date Received: 12/18/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1

Air Canister Certification Results

Lab ID: L2474359-04 Date Collected: 12/17/24 16:00
Client ID: CAN 389 SHELF 16 Date Received: 12/18/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.1	J	ppbV		1

Air Canister Certification Results

Lab ID: L2474359-04 Date Collected: 12/17/24 16:00
Client ID: CAN 389 SHELF 16 Date Received: 12/18/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140

Air Canister Certification Results

Lab ID: L2474359-04
Client ID: CAN 389 SHELF 16
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 20:12
Analyst: JFI

Date Collected: 12/17/24 16:00
Date Received: 12/18/24
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Air Canister Certification Results

Lab ID: L2474359-04 Date Collected: 12/17/24 16:00
Client ID: CAN 389 SHELF 16 Date Received: 12/18/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1

Air Canister Certification Results

Lab ID: L2474359-04 Date Collected: 12/17/24 16:00
Client ID: CAN 389 SHELF 16 Date Received: 12/18/24
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM								
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	98		60-140

Organics

Volatile Organics in Air
TO-15 Low Level

Volatiles QC Summary

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2021062-3	**Analysis Date** : 01/18/25 10:58	**File ID** : r1647982
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
Dichlorodifluoromethane	10	12.8	128				-	70-130	-
Chloromethane	10	10.6	106				-	70-130	-
Freon-114	10	13.4	134 Q				-	70-130	-
Vinyl chloride	10	11.7	117				-	70-130	-
1,3-Butadiene	10	12.4	124				-	70-130	-
Bromomethane	10	12.1	121				-	70-130	-
Chloroethane	10	11.6	116				-	70-130	-
Ethanol	50	66.2	132				-	40-160	-
Vinyl bromide	10	12.0	120				-	70-130	-
Acetone	50	66.9	134				-	40-160	-
Trichlorofluoromethane	10	12.0	120				-	70-130	-
Isopropanol	25	21.8	87				-	40-160	-
1,1-Dichloroethene	10	12.0	120				-	70-130	-
Tertiary butyl Alcohol	10	12.5	125				-	70-130	-
Methylene chloride	10	11.1	111				-	70-130	-
3-Chloropropene	10	12.1	121				-	70-130	-
Carbon disulfide	10	10.7	107				-	70-130	-
Freon-113	10	12.0	120				-	70-130	-
trans-1,2-Dichloroethene	10	12.3	123				-	70-130	-
1,1-Dichloroethane	10	11.5	115				-	70-130	-
Methyl tert butyl ether	10	11.9	119				-	70-130	-
2-Butanone	10	11.7	117				-	70-130	-
cis-1,2-Dichloroethene	10	11.8	118				-	70-130	-
Ethyl Acetate	10	13.0	130				-	70-130	-
Chloroform	10	11.9	119				-	70-130	-
Tetrahydrofuran	10	11.4	114				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2021062-3	**Analysis Date** : 01/18/25 10:58	**File ID** : r1647982
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
1,2-Dichloroethane	10	12.2	122				-	70-130	-
n-Hexane	10	11.9	119				-	70-130	-
1,1,1-Trichloroethane	10	11.7	117				-	70-130	-
Benzene	10	10.2	102				-	70-130	-
Carbon tetrachloride	10	12.9	129				-	70-130	-
Cyclohexane	10	11.7	117				-	70-130	-
1,2-Dichloropropane	10	10.9	109				-	70-130	-
Bromodichloromethane	10	13.0	130				-	70-130	-
1,4-Dioxane	10	12.3	123				-	70-130	-
Trichloroethene	10	11.5	115				-	70-130	-
2,2,4-Trimethylpentane	10	12.3	123				-	70-130	-
Heptane	10	11.8	118				-	70-130	-
cis-1,3-Dichloropropene	10	11.4	114				-	70-130	-
4-Methyl-2-pentanone	10	11.9	119				-	70-130	-
trans-1,3-Dichloropropene	10	12.4	124				-	70-130	-
1,1,2-Trichloroethane	10	11.2	112				-	70-130	-
Toluene	10	10.0	100				-	70-130	-
2-Hexanone	10	11.4	114				-	70-130	-
Dibromochloromethane	10	13.2	132 Q				-	70-130	-
1,2-Dibromoethane	10	11.2	112				-	70-130	-
Tetrachloroethene	10	10.9	109				-	70-130	-
Chlorobenzene	10	10.6	106				-	70-130	-
Ethylbenzene	10	10.5	105				-	70-130	-
p/m-Xylene	20	21.5	108				-	70-130	-
Bromoform	10	13.9	139 Q				-	70-130	-
Styrene	10	10.9	109				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2021062-3	**Analysis Date** : 01/18/25 10:58	**File ID** : r1647982
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ppbV)**	**Found (ppbV)**	**%R**	**True (ppbV)**	**Found (ppbV)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
1,1,2,2-Tetrachloroethane	10	11.1	111				-	70-130	-
o-Xylene	10	10.9	109				-	70-130	-
4-Ethyltoluene	10	11.9	119				-	70-130	-
1,3,5-Trimethylbenzene	10	11.4	114				-	70-130	-
1,2,4-Trimethylbenzene	10	11.5	115				-	70-130	-
Benzyl chloride	10	13.2	132 Q				-	70-130	-
1,3-Dichlorobenzene	10	11.7	117				-	70-130	-
1,4-Dichlorobenzene	10	11.8	118				-	70-130	-
1,2-Dichlorobenzene	10	11.4	114				-	70-130	-
1,2,4-Trichlorobenzene	10	12.5	125				-	70-130	-
Naphthalene	10	15.0	150 Q				-	70-130	-
Hexachlorobutadiene	10	12.0	120				-	70-130	-

Method Blank Summary
Form 4
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab Sample ID	: WG2021062-4	**Lab File ID**	: r1647984
Instrument ID	: AIRLAB16		
Matrix	: AIR	**Analysis Date**	: 01/18/25 16:13

Client Sample No.	Lab Sample ID	Analysis Date
WG2021062-3LCS	WG2021062-3	01/18/25 10:58
OA-1	L2500525-03	01/18/25 17:33
OA-2	L2500525-04	01/18/25 18:13
IA-1	L2500525-01	01/18/25 19:33
IA-2	L2500525-02	01/18/25 20:12
C3_IA-04_011425DUP	WG2021062-5	01/18/25 23:36

Instrument Performance Check (Tune) Summary
Form 5
Air Volatiles
Bromofluorobenzene (BFB)

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Instrument ID	: AIRLAB16	**Analysis Date**	: 12/19/24 19:08
Tune Standard	: WG2011935-1	**Tune File ID**	: r1647505_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	14.5
75	30.0 - 66.0% of mass 95	35.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.4 (.6)1
174	50.0 - 120.0% of mass 95	64.8
175	4.0 - 9.0% of mass 174	4.5 (6.9)1
176	93.0 - 101% of mass 174	61.1 (94.2)1
177	5.0 - 9.0% of mass 176	3.9 (6.5)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.2	R1913960-1	R1647509	12/19/24 21:40
STD0.5	R1913960-2	R1647510	12/19/24 22:20
STD1.0	R1913960-3	R1647511	12/19/24 23:02
STD5.0	R1913960-4	R1647512	12/19/24 23:44
STD010	R1913960-5	R1647513	12/20/24 00:27
STD020	R1913960-6	R1647514	12/20/24 01:06
STD050	R1913960-7	R1647515	12/20/24 01:46
STD100	R1913960-8	R1647516	12/20/24 02:28
ICV QUANT	R1913960-9	R1647519	12/20/24 09:08

Instrument Performance Check (Tune) Summary
Form 5
Air Volatiles
Bromofluorobenzene (BFB)

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Instrument ID	: AIRLAB16	**Analysis Date**	: 01/18/25 10:15
Tune Standard	: WG2021062-1	**Tune File ID**	: r1647980_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	14.8
75	30.0 - 66.0% of mass 95	37.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (.6)1
174	50.0 - 120.0% of mass 95	68.3
175	4.0 - 9.0% of mass 174	4.8 (7)1
176	93.0 - 101% of mass 174	65.1 (95.3)1
177	5.0 - 9.0% of mass 176	4.4 (6.7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2021062-2CCAL	WG2021062-2	R1647982	01/18/25 10:58
WG2021062-3LCS	WG2021062-3	R1647982	01/18/25 10:58
WG2021062-4BLANK	WG2021062-4	R1647984	01/18/25 16:13
OA-1	L2500525-03	R1647986	01/18/25 17:33
OA-2	L2500525-04	R1647987	01/18/25 18:13
IA-1	L2500525-01	R1647989	01/18/25 19:33
IA-2	L2500525-02	R1647990	01/18/25 20:12
WG2021062-5DUP	WG2021062-5	R1647995	01/18/25 23:36

Internal Standard Area and RT Summary
Form 8a
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Instrument ID	: AIRLAB16	**Analysis Date**	: 01/18/25 10:58:00
Sample No	: WG2021062-2	**Lab File ID**	: R1647982

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2021062-2	258084	9.08	704126	11.30	97914	15.99
Upper Limit	361318	9.41	985776	11.63	137080	16.32
Lower Limit	154850	8.75	422476	10.97	58748	15.66
Sample ID						
WG2021062-3 LCS	258084	9.08	704126	11.30	97914	15.99
WG2021062-4 BLANK	270598	9.10	721948	11.32	98738	16.00
OA-1	265571	9.10	718264	11.32	100065	16.01
OA-2	259454	9.10	700582	11.32	95459	16.01
IA-1	259646	9.11	705136	11.33	97754	16.01
IA-2	259584	9.11	709926	11.33	98735	16.01
C3_IA-04_011425 DUP	258169	9.12	697580	11.33	94792	16.02

Area Upper Limit = +40% of internal standard area
Area Lower Limit = - 40% of internal standard area

RT Upper Limit = +0.33 minutes of internal standard RT
RT Lower Limit = -0.33 minutes of internal standard RT

* Values outside of QC limits

Date Created: 01/09/24
Created By: Jason Hebert
File: PM15856-1
Page: 1

Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,1,1-Trichloroethane	71-55-6	0.2	0.0614	ppbV	70-130			25	25			
1,1,2,2-Tetrachloroethane	79-34-5	0.2	0.052	ppbV	70-130			25	25			
1,1,2-Trichloroethane	79-00-5	0.2	0.0582	ppbV	70-130			25	25			
1,1-Dichloroethane	75-34-3	0.2	0.0568	ppbV	70-130			25	25			
1,1-Dichloroethene	75-35-4	0.2	0.0568	ppbV	70-130			25	25			
1,2,3-Trimethylbenzene	526-73-8	0.2	0.0576	ppbV	70-130			25	25			
1,2,4-Trichlorobenzene	120-82-1	0.2	0.1	ppbV	70-130			25	25			
1,2,4-Trimethylbenzene	95-63-6	0.2	0.0577	ppbV	70-130			25	25			
1,2,4,5-Tetramethylbenzene	95-93-2	0.2	0.135	ppbV	70-130			25	25			
1,2-Dibromoethane	106-93-4	0.2	0.0544	ppbV	70-130			25	25			
1,2-Dichlorobenzene	95-50-1	0.2	0.0619	ppbV	70-130			25	25			
1,2-Dichloroethane	107-06-2	0.2	0.0787	ppbV	70-130			25	25			
1,2-Dichloropropane	78-87-5	0.2	0.0631	ppbV	70-130			25	25			
1,3,5-Trimethylbenzene	108-67-8	0.2	0.06	ppbV	70-130			25	25			
1,3-Butadiene	106-99-0	0.2	0.0619	ppbV	70-130			25	25			
1,3-Dichlorobenzene	541-73-1	0.2	0.0777	ppbV	70-130			25	25			
1,4-Dichlorobenzene	106-46-7	0.2	0.0826	ppbV	70-130			25	25			
1,4-Dioxane	123-91-1	0.2	0.0538	ppbV	70-130			25	25			
2,2,4-Trimethylpentane	540-84-1	0.2	0.0692	ppbV	70-130			25	25			
2-Butanone	78-93-3	0.5	0.099	ppbV	70-130			25	25			
2-Hexanone	591-78-6	0.2	0.0912	ppbV	70-130			25	25			
2-Methylthiophene	554-14-3	0.2	0.0622	ppbV	70-130			25	25			
3-Methylthiophene	616-44-4	0.2	0.0634	ppbV	70-130			25	25			
3-Chloropropene	107-05-1	0.2	0.086	ppbV	70-130			25	25			
2-Ethylthiophene	872-55-9	0.2	0.0612	ppbV	70-130			25	25			
4-Ethyltoluene	622-96-8	0.2	0.0554	ppbV	70-130			25	25			
Acetone	67-64-1	1	0.515	ppbV	40-160			25	25			
Benzene	71-43-2	0.2	0.0643	ppbV	70-130			25	25			
Benzyl chloride	100-44-7	0.2	0.0939	ppbV	70-130			25	25			
Benzothiophene	95-15-8	0.5	0.273	ppbV	70-130			25	25			
Bromodichloromethane	75-27-4	0.2	0.0689	ppbV	70-130			25	25			
Bromoform	75-25-2	0.2	0.0596	ppbV	70-130			25	25			
Bromomethane	74-83-9	0.2	0.0547	ppbV	70-130			25	25			
Carbon disulfide	75-15-0	0.2	0.0465	ppbV	70-130			25	25			
Carbon tetrachloride	56-23-5	0.2	0.0686	ppbV	70-130			25	25			
Chlorobenzene	108-90-7	0.2	0.0516	ppbV	70-130			25	25			
Chloroethane	75-00-3	0.2	0.0649	ppbV	70-130			25	25			
Chloroform	67-66-3	0.2	0.0552	ppbV	70-130			25	25			
Chloromethane	74-87-3	0.2	0.0576	ppbV	70-130			25	25			
cis-1,2-Dichloroethene	156-59-2	0.2	0.0595	ppbV	70-130			25	25			
cis-1,3-Dichloropropene	10061-01-5	0.2	0.0674	ppbV	70-130			25	25			
Cyclohexane	110-82-7	0.2	0.0728	ppbV	70-130			25	25			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 01/09/24
Created By: Jason Hebert
File: PM15856-1

Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibromochloromethane	124-48-1	0.2	0.0566	ppbV	70-130			25	25			
Dichlorodifluoromethane	75-71-8	0.2	0.0757	ppbV	70-130			25	25			
Ethyl Alcohol	GCDAI06	5	1.74	ppbV	40-160			25	25			
Ethyl Acetate	141-78-6	0.5	0.297	ppbV	70-130			25	25			
Ethylbenzene	100-41-4	0.2	0.0575	ppbV	70-130			25	25			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	0.2	0.0506	ppbV	70-130			25	25			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	0.2	0.0504	ppbV	70-130			25	25			
Hexachlorobutadiene	87-68-3	0.2	0.0607	ppbV	70-130			25	25			
iso-Propyl Alcohol	67-63-0	0.5	0.272	ppbV	40-160			25	25			
Methylene chloride	75-09-2	0.5	0.125	ppbV	70-130			25	25			
4-Methyl-2-pentanone	108-10-1	0.5	0.19	ppbV	70-130			25	25			
Methyl tert butyl ether	1634-04-4	0.2	0.045	ppbV	70-130			25	25			
Methyl Methacrylate	80-62-6	0.5	0.226	ppbV	40-160			25	25			
p/m-Xylene	179601-23-1	0.4	0.125	ppbV	70-130			25	25			
o-Xylene	95-47-6	0.2	0.0621	ppbV	70-130			25	25			
Xylene (Total)	1330-20-7	0.2	0.0621	ppbV				25	25			
Heptane	142-82-5	0.2	0.0828	ppbV	70-130			25	25			
n-Heptane	142-82-5	0.2	0.0828	ppbV	70-130			25	25			
n-Hexane	110-54-3	0.2	0.0743	ppbV	70-130			25	25			
Propylene	115-07-1	0.5	0.135	ppbV	70-130			25	25			
Styrene	100-42-5	0.2	0.0596	ppbV	70-130			25	25			
Tetrachloroethene	127-18-4	0.2	0.0627	ppbV	70-130			25	25			
Thiophene	110-02-1	0.2	0.052	ppbV	70-130			25	25			
Tetrahydrofuran	109-99-9	0.5	0.117	ppbV	70-130			25	25			
Toluene	108-88-3	0.2	0.0867	ppbV	70-130			25	25			
trans-1,2-Dichloroethene	156-60-5	0.2	0.0755	ppbV	70-130			25	25			
1,2-Dichloroethene (total)	540-59-0	0.2	0.0595	ppbV				25	25			
trans-1,3-Dichloropropene	10061-02-6	0.2	0.0783	ppbV	70-130			25	25			
1,3-Dichloropropene, Total	542-75-6	0.2	0.0674	ppbV				25	25			
Trichloroethene	79-01-6	0.2	0.0548	ppbV	70-130			25	25			
Trichlorofluoromethane	75-69-4	0.2	0.0787	ppbV	70-130			25	25			
Vinyl acetate	108-05-4	1	0.323	ppbV	70-130			25	25			
Vinyl bromide	593-60-2	0.2	0.0722	ppbV	70-130			25	25			
Vinyl chloride	75-01-4	0.2	0.0582	ppbV	70-130			25	25			
Naphthalene	91-20-3	0.2	0.078	ppbV	70-130			25	25			
Total HC As Hexane	NONE	10	0.0743	ppbV	70-130			25	25			
Total VOCs As Toluene	NONE	10	0.0867	ppbV	70-130			25	25			
Propane	74-98-6	0.5	0.152	ppbV	70-130			25	25			
Acrylonitrile	107-13-1	0.5	0.0894	ppbV	70-130			25	25			
Acrolein	107-02-8	0.5	0.149	ppbV	60-113			25	25			
1,1,1,2-Tetrachloroethane	630-20-6	0.2	0.0508	ppbV	70-130			25	25			
Isopropylbenzene	98-82-8	0.2	0.0621	ppbV	70-130			25	25			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

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Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,2,3-Trichloropropane	96-18-4	0.2	0.0575	ppbV	70-130			25	25			
Acetonitrile	75-05-8	0.2	0.101	ppbV	70-130			25	25			
Bromobenzene	108-86-1	0.2	0.0579	ppbV	70-130			25	25			
Chlorodifluoromethane	75-45-6	0.2	0.0463	ppbV	70-130			25	25			
Dichlorofluoromethane	75-43-4	0.2	0.112	ppbV	70-130			25	25			
Dibromomethane	74-95-3	0.2	0.0598	ppbV	70-130			25	25			
Pentane	109-66-0	0.2	0.113	ppbV	70-130			25	25			
Octane	111-65-9	0.2	0.0676	ppbV	70-130			25	25			
Tertiary-Amyl Methyl Ether	994-05-8	0.2	0.0672	ppbV	70-130			25	25			
o-Chlorotoluene	95-49-8	0.2	0.0761	ppbV	70-130			25	25			
p-Chlorotoluene	106-43-4	0.2	0.0765	ppbV	70-130			25	25			
2,2-Dichloropropane	594-20-7	0.2	0.0429	ppbV	70-130			25	25			
1,1-Dichloropropene	563-58-6	0.2	0.0593	ppbV	70-130			25	25			
Isopropyl Ether	108-20-3	0.2	0.0631	ppbV	70-130			25	25			
Ethyl-Tert-Butyl-Ether	637-92-3	0.2	0.0731	ppbV	70-130			25	25			
1,2,3-Trichlorobenzene	87-61-6	0.2	0.0738	ppbV	70-130			25	25			
Ethyl ether	60-29-7	0.2	0.0853	ppbV	70-130			25	25			
n-Butylbenzene	104-51-8	0.2	0.0536	ppbV	70-130			25	25			
sec-Butylbenzene	135-98-8	0.2	0.0547	ppbV	70-130			25	25			
tert-Butylbenzene	98-06-6	0.2	0.0551	ppbV	70-130			25	25			
1,2-Dibromo-3-chloropropane	96-12-8	0.2	0.0624	ppbV	70-130			25	25			
p-Isopropyltoluene	99-87-6	0.2	0.0567	ppbV	70-130			25	25			
n-Propylbenzene	103-65-1	0.2	0.0633	ppbV	70-130			25	25			
1,3-Dichloropropane	142-28-9	0.2	0.0536	ppbV	70-130			25	25			
Methanol	67-56-1	5	3.029	ppbV	70-130			25	25			
Acetaldehyde	75-07-0	2.5	1.73	ppbV	70-130			25	25			
Butane	106-97-8	0.2	0.08	ppbV	70-130			25	25			
Nonane (C9)	111-84-2	0.2	0.0737	ppbV	70-130			25	25			
Decane (C10)	124-18-5	0.2	0.0697	ppbV	70-130			25	25			
Undecane	1120-21-4	0.2	0.0709	ppbV	70-130			25	25			
Indane	496-11-7	0.2	0.0591	ppbV	70-130			25	25			
Indene	95-13-6	0.2	0.0711	ppbV	70-130			25	25			
1-Methylnaphthalene	90-12-0	1	0.264	ppbV	70-130			25	25			
Dodecane (C12)	112-40-3	0.2	0.0891	ppbV	70-130			25	25			
Butyl Acetate	123-86-4	0.5	0.208	ppbV	70-130			25	25			
tert-Butyl Alcohol	75-65-0	0.5	0.132	ppbV	70-130			25	25			
2-Methylnaphthalene	91-57-6	1	0.259	ppbV	70-130			25	25			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
Bromofluorobenzene	*460-00-4*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-01	**Date Collected**	: 01/02/25 15:45
Client ID	: IA-1	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 19:33
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1647989	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.624	0.200	--	3.09	0.989	--	
74-87-3	Chloromethane	0.666	0.200	--	1.38	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	466	5.00	--	878	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	10.1	1.00	--	24.0	2.38	--	
75-69-4	Trichlorofluoromethane	0.280	0.200	--	1.57	1.12	--	
67-63-0	Isopropanol	19.6	1.00	--	48.2	2.46	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.763	0.200	--	3.73	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.345	0.200	--	1.22	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-01	**Date Collected**	: 01/02/25 15:45
Client ID	: IA-1	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 19:33
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1647989	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.258	0.200	--	0.972	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-01	**Date Collected**	: 01/02/25 15:45
Client ID	: IA-1	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 19:33
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1647989	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-02	Date Collected	: 01/02/25 15:49
Client ID	: IA-2	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 20:12
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647990	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.630	0.200	--	3.12	0.989	--	
74-87-3	Chloromethane	0.628	0.200	--	1.30	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	231	5.00	--	435	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	8.04	1.00	--	19.1	2.38	--	
75-69-4	Trichlorofluoromethane	0.281	0.200	--	1.58	1.12	--	
67-63-0	Isopropanol	18.7	1.00	--	46.0	2.46	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.398	0.200	--	1.94	0.977	--	
109-99-9	Tetrahydrofuran	1.13	0.500	--	3.33	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.367	0.200	--	1.29	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-02	**Date Collected**	: 01/02/25 15:49
Client ID	: IA-2	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 20:12
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1647990	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.271	0.200	--	1.02	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-02	**Date Collected**	: 01/02/25 15:49
Client ID	: IA-2	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 20:12
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1647990	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: L2500525-03	Date Collected	: 01/02/25 15:58
Client ID	: OA-1	Date Received	: 01/06/25
Sample Location	: 33 WEST STATE ST.	Date Analyzed	: 01/18/25 17:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647986	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.620	0.200	--	3.07	0.989	--	
74-87-3	Chloromethane	0.781	0.200	--	1.61	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	3.79	1.00	--	9.00	2.38	--	
75-69-4	Trichlorofluoromethane	0.270	0.200	--	1.52	1.12	--	
67-63-0	Isopropanol	ND	1.00	--	ND	2.46	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.801	0.500	--	2.36	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	5.42	0.500	--	16.0	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-03	**Date Collected**	: 01/02/25 15:58
Client ID	: OA-1	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 17:33
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1647986	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-03	**Date Collected**	: 01/02/25 15:58
Client ID	: OA-1	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 17:33
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1647986	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-04	**Date Collected**	: 01/02/25 16:03
Client ID	: OA-2	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 18:13
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1647987	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.643	0.200	--	3.18	0.989	--	
74-87-3	Chloromethane	0.628	0.200	--	1.30	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	5.48	5.00	--	10.3	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	2.21	1.00	--	5.25	2.38	--	
75-69-4	Trichlorofluoromethane	0.262	0.200	--	1.47	1.12	--	
67-63-0	Isopropanol	5.01	1.00	--	12.3	2.46	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	1.29	0.500	--	3.80	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.278	0.200	--	0.980	0.705	--	
71-43-2	Benzene	0.293	0.200	--	0.936	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-04	**Date Collected**	: 01/02/25 16:03
Client ID	: OA-2	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 18:13
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1647987	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.450	0.200	--	1.70	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-04	**Date Collected**	: 01/02/25 16:03
Client ID	: OA-2	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 18:13
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1647987	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	Lab Number	: L2500525
Project Name	: BINGHAMTON PLAZA	Project Number	: 0426.01214.10
Lab ID	: WG2021062-4	Date Collected	: NA
Client ID	: WG2021062-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 01/18/25 16:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: BJB
Lab File ID	: R1647984	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--	U
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	ND	1.00	--	ND	2.38	--	U
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	ND	1.00	--	ND	2.46	--	U
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: WG2021062-4	**Date Collected**	: NA
Client ID	: WG2021062-4BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 01/18/25 16:13
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1647984	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: WG2021062-4	**Date Collected**	: NA
Client ID	: WG2021062-4BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 01/18/25 16:13
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: BJB
Lab File ID	: R1647984	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.190	--	ND	0.996	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647986.D
Acq On : 18 Jan 2025 5:33 PM
Operator : AIRLAB16:BJB
Sample : L2500525-03,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 11:55:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.100	49	265571	10.000	ppbV	0.04
Standard Area = 258084			Recovery = 102.90%			
43) 1,4-difluorobenzene	11.320	114	718264	10.000	ppbV	0.04
Standard Area = 704126			Recovery = 102.01%			
67) chlorobenzene-D5	16.008	54	100065	10.000	ppbV	0.03
Standard Area = 97914			Recovery = 102.20%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	4.000	85	14810	0.620	ppbV	97
6) chloromethane	4.168	50	10080	0.781	ppbV	97
7) Freon-114	4.276		0	N.D.		
10) 1,3-butadiene	4.546		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	5.014	64	756	0.144	ppbV #	43
15) ethanol	5.140	31	19129	2.150	ppbV	96
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.663	43	56714M6	3.794	ppbV	
21) trichlorofluoromethane	5.850	101	5047	0.270	ppbV	95
22) isopropyl alcohol	5.943	45	17616	0.677	ppbV #	96
27) tertiary butyl alcohol	6.612	59	1573	0.081	ppbV #	88
28) methylene chloride	6.690	49	2408	0.132	ppbV	94
29) 3-chloropropene	6.756		0	N.D.		
30) carbon disulfide	6.996	76	1959	0.042	ppbV #	1
31) Freon 113	6.990	101	2277	0.085	ppbV	95
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	7.983		0	N.D.		
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	8.417	43	28045	0.801	ppbV	99
38) Ethyl Acetate	0.000		0	N.D.		
39) chloroform	9.258		0	N.D.		
40) Tetrahydrofuran	9.692	42	111551	5.415	ppbV	99
42) 1,2-dichloroethane	10.092		0	N.D.		
44) hexane	9.167	57	3285	0.149	ppbV #	1
50) benzene	10.900	78	9030	0.175	ppbV	98
53) cyclohexane	11.220	56	1147	0.049	ppbV #	88
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647986.D
Acq On : 18 Jan 2025 5:33 PM
Operator : AIRLAB16:BJB
Sample : L2500525-03,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 11:55:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : TO15-NY+NAPH-7-SIM - .

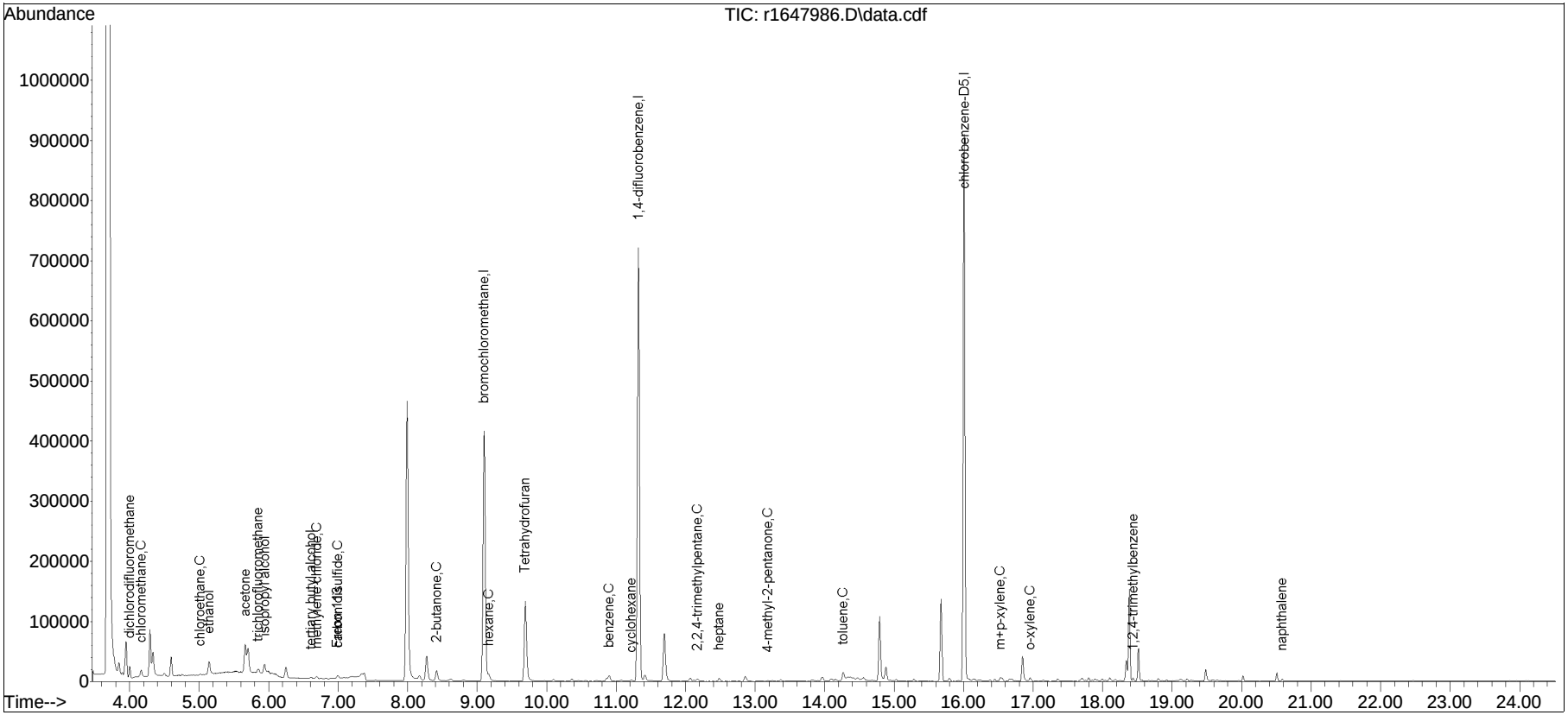
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	12.173	57	3585	0.050	ppbV #	77
62) heptane	12.480	43	2776	0.079	ppbV #	87
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	13.183	43	1389	0.033	ppbV #	82
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.267	91	11014	0.178	ppbV	96
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	16.383		0	N.D.		
83) m+p-xylene	16.525	91	5793	0.095	ppbV	89
84) bromoform	0.000		0	N.D.		
85) styrene	16.867		0	N.D.		
86) 1,1,2,2-tetrachloroethane	16.850		0	N.D.		
87) o-xylene	16.958	91	3074	0.049	ppbV	92
96) 4-ethyl toluene	18.033		0	N.D.		
97) 1,3,5-trimethylbenzene	18.083		0	N.D.		
99) 1,2,4-trimethylbenzene	18.442	105	3169M3	0.045	ppbV	
101) Benzyl Chloride	18.433		0	N.D.		
102) 1,3-dichlorobenzene	18.633		0	N.D.		
103) 1,4-dichlorobenzene	18.633		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.583	128	3704	0.048	ppbV #	92
119) hexachlorobutadiene	0.000		0	N.D.		

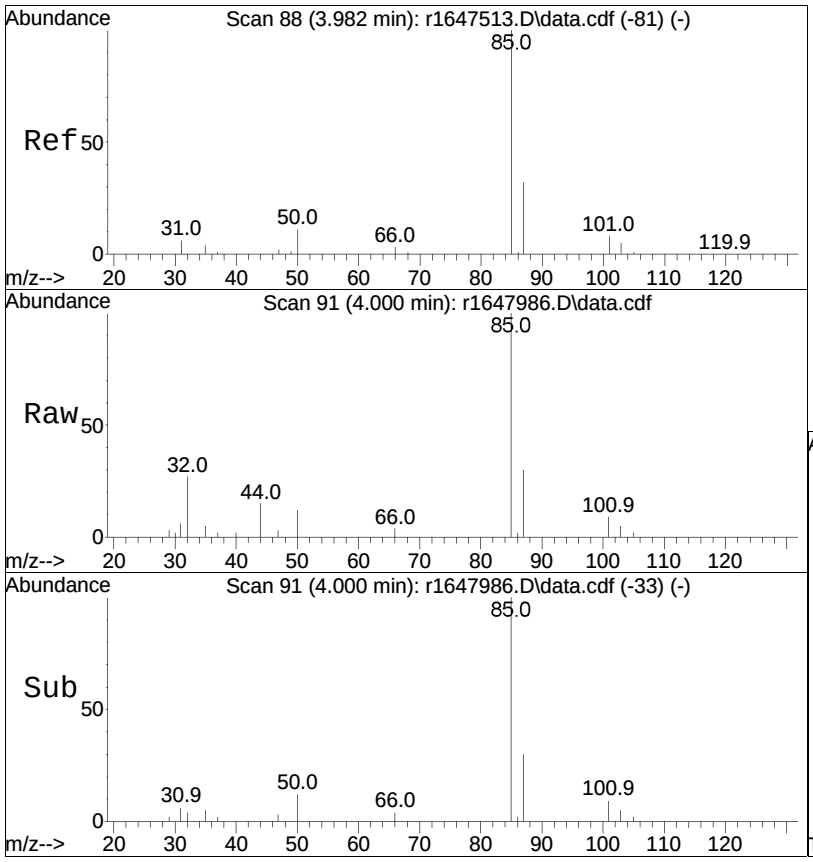
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .6\2025\01\0118T\r1647982.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647986.D
Acq On : 18 Jan 2025 5:33 PM
Operator : AIRLAB16:BJB
Sample : L2500525-03,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 11:55:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

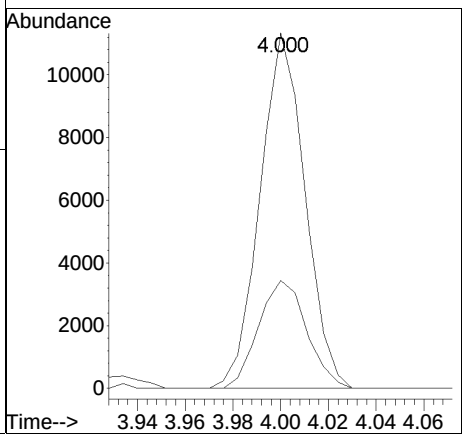


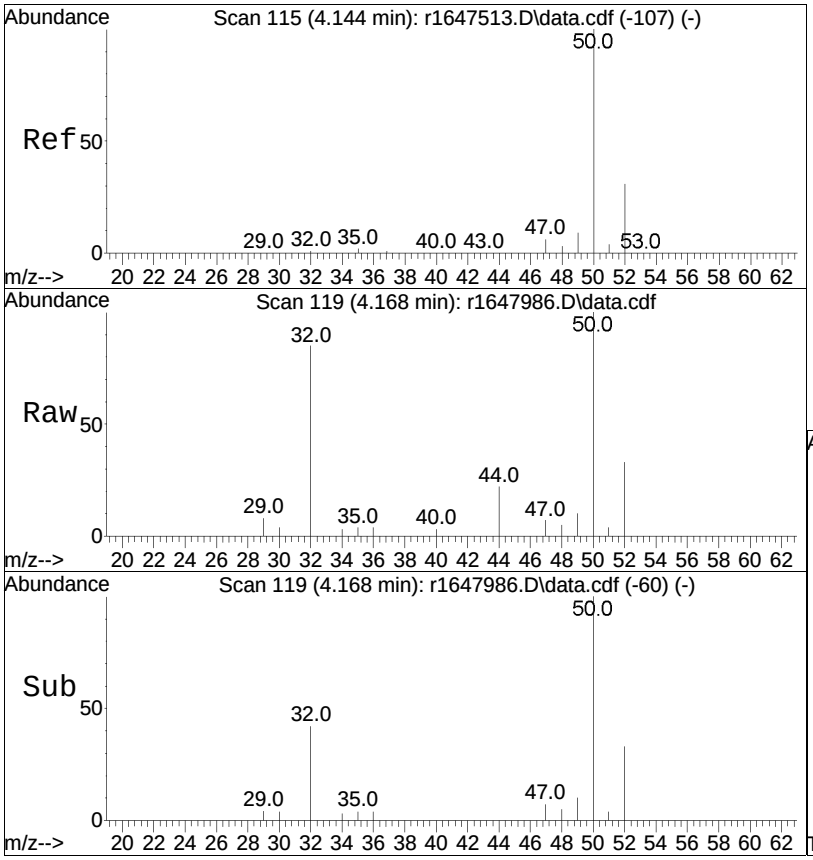


#5
dichlorodifluoromethane
Concen: 0.62 ppbV
RT: 4.000 min Scan# 91
Delta R.T. 0.018 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 85 Resp: 14810

Ion	Ratio	Lower	Upper
85	100		
87	30.4	25.5	38.3

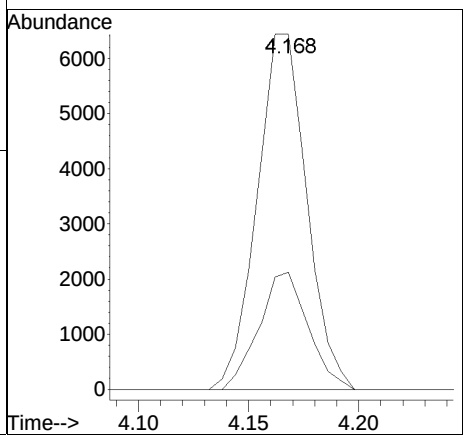


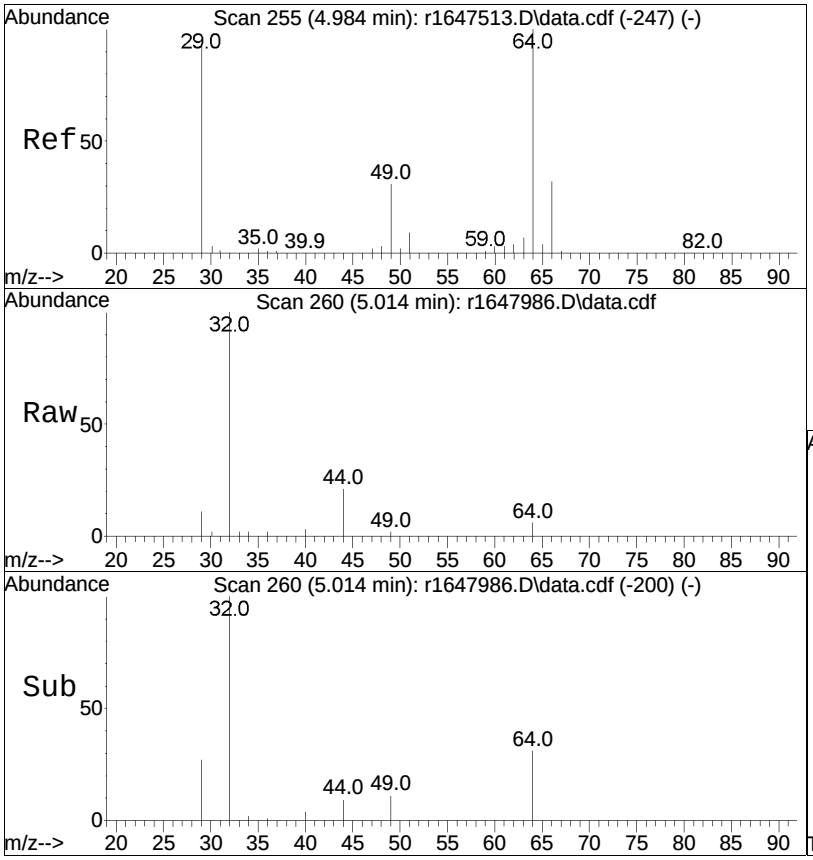


#6
chloromethane
Concen: 0.78 ppbV
RT: 4.168 min Scan# 119
Delta R.T. 0.024 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 50 Resp: 10080

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.2	37.8

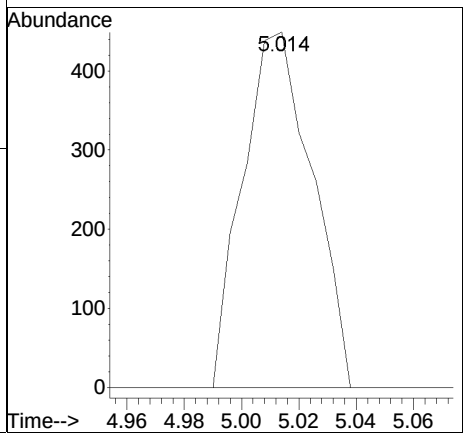


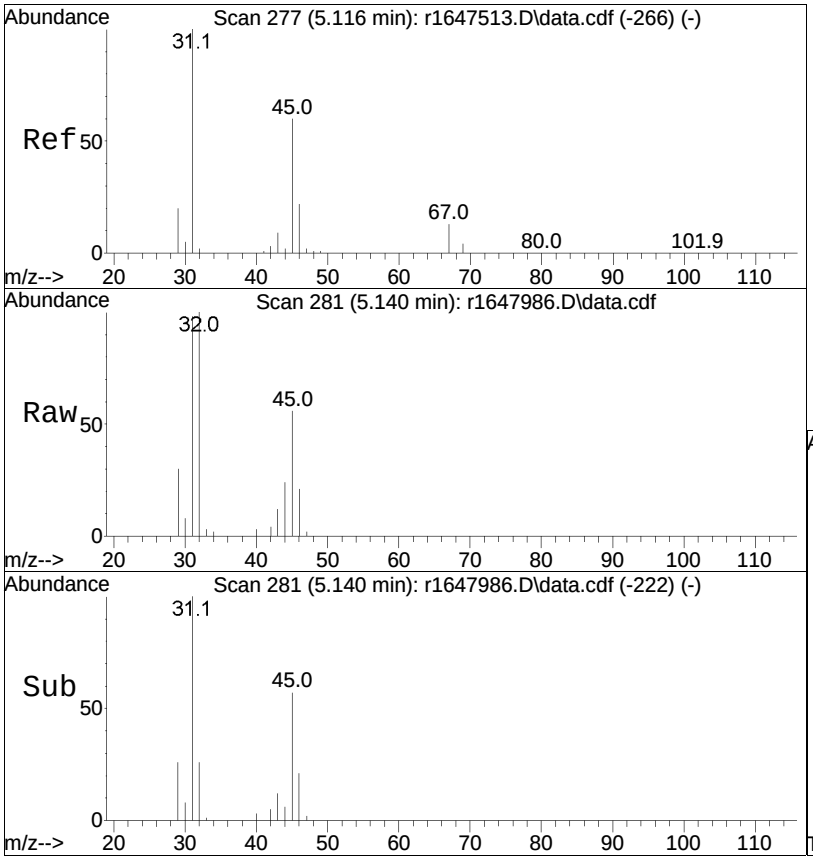


#14
chloroethane
Concen: 0.14 ppbV
RT: 5.014 min Scan# 260
Delta R.T. 0.030 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 64 Resp: 756

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.5	38.3#

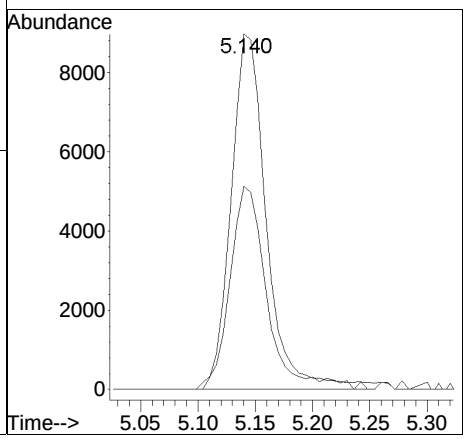


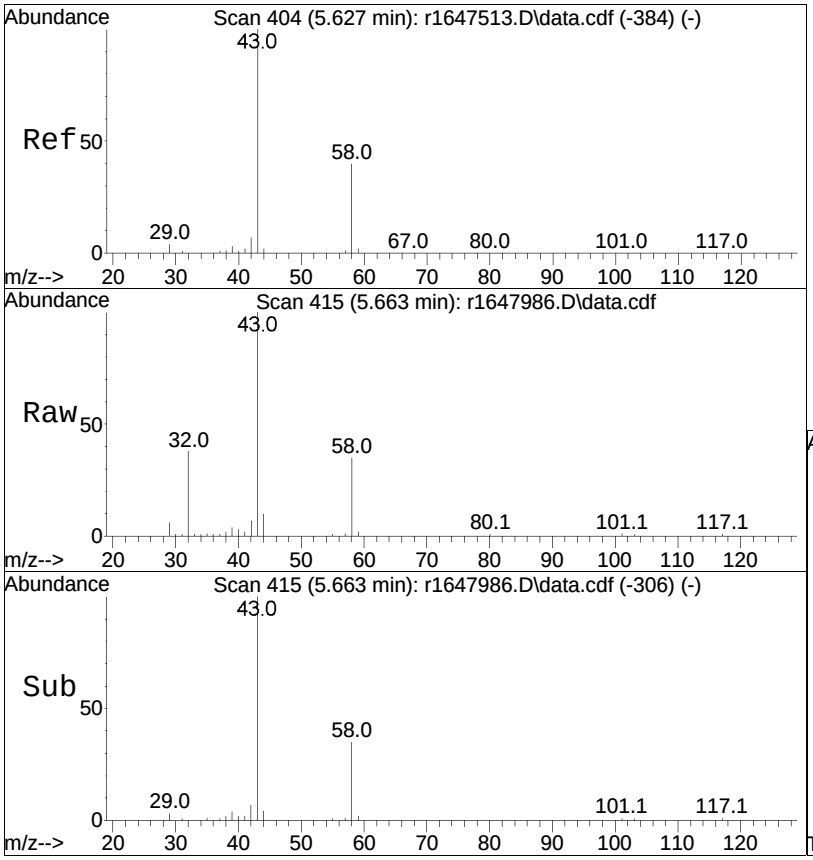


#15
ethanol
Concen: 2.15 ppbV
RT: 5.140 min Scan# 281
Delta R.T. 0.024 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 31 Resp: 19129

Ion	Ratio	Lower	Upper
31	100		
45	57.2	47.8	71.8

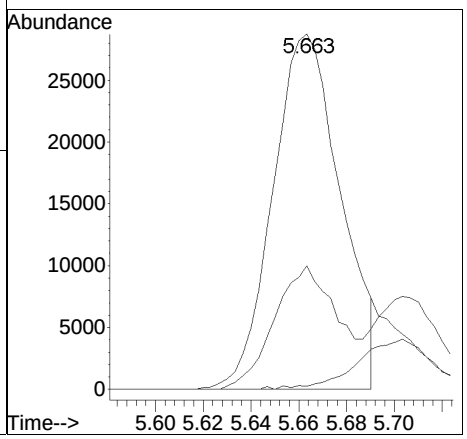


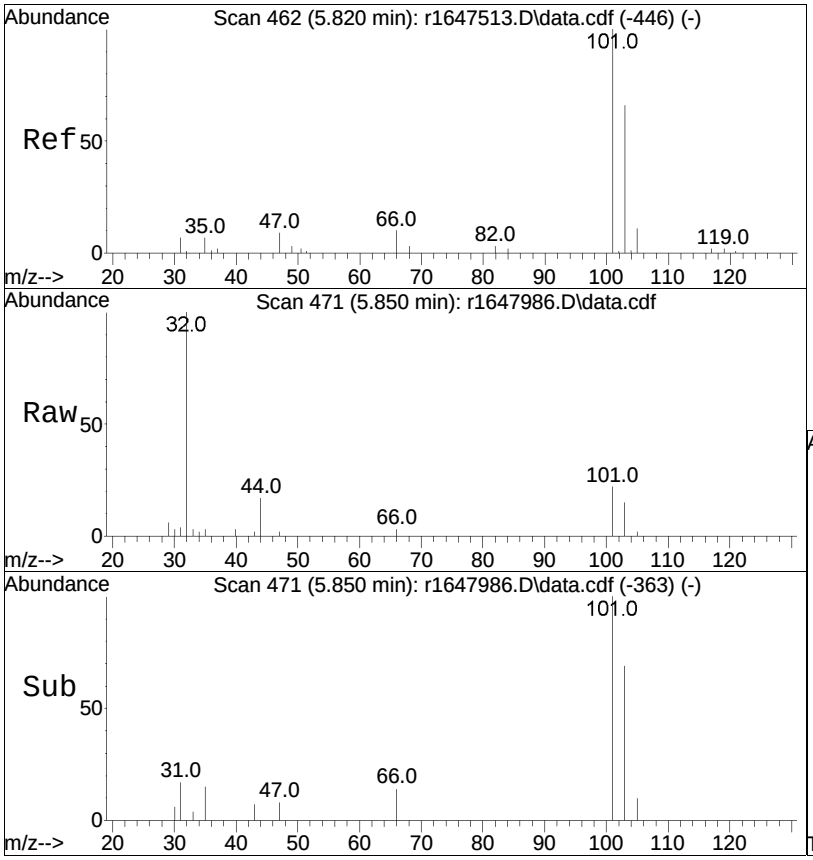


#19
acetone
Concen: 3.79 ppbV m
RT: 5.663 min Scan# 415
Delta R.T. 0.037 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 43 Resp: 56714

Ion	Ratio	Lower	Upper
43	100		
58	34.8	32.1	48.1
57	0.9	0.9	1.3#

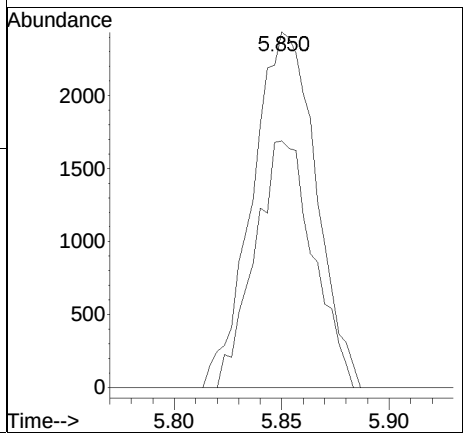


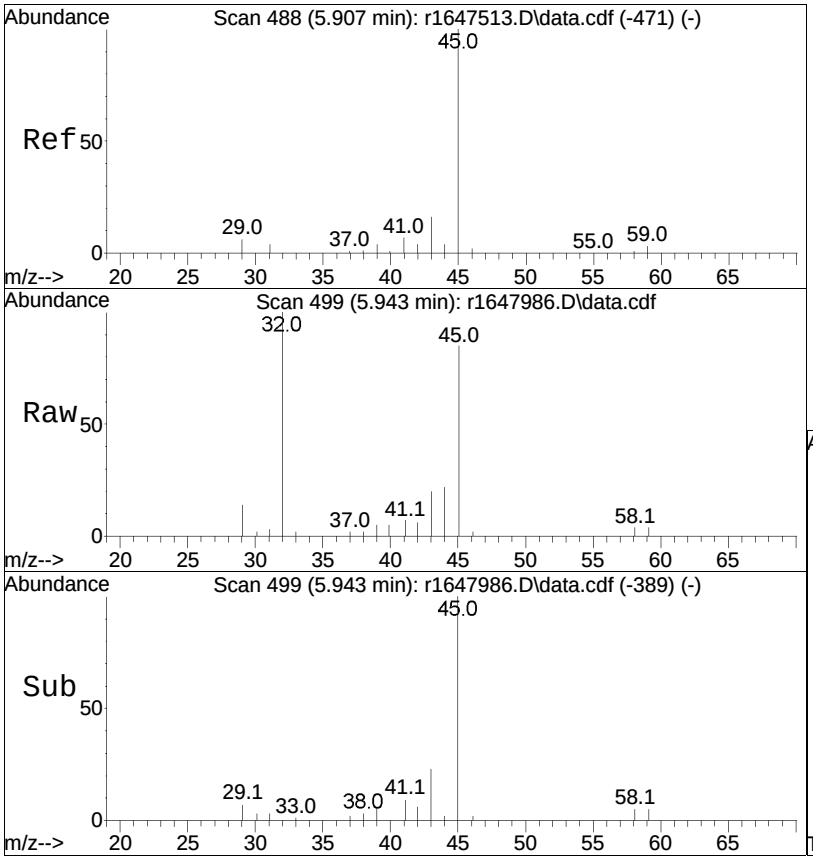


#21
trichlorofluoromethane
Concen: 0.27 ppbV
RT: 5.850 min Scan# 471
Delta R.T. 0.030 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion:101 Resp: 5047

Ion	Ratio	Lower	Upper
101	100		
103	69.4	52.6	78.8

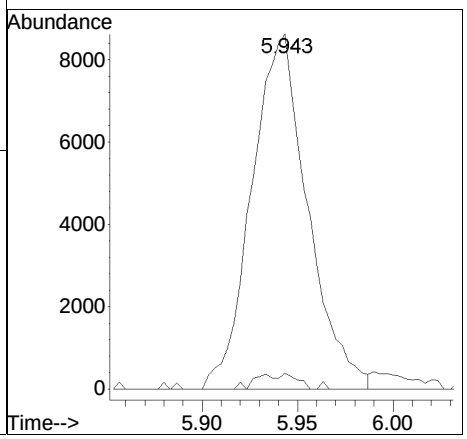


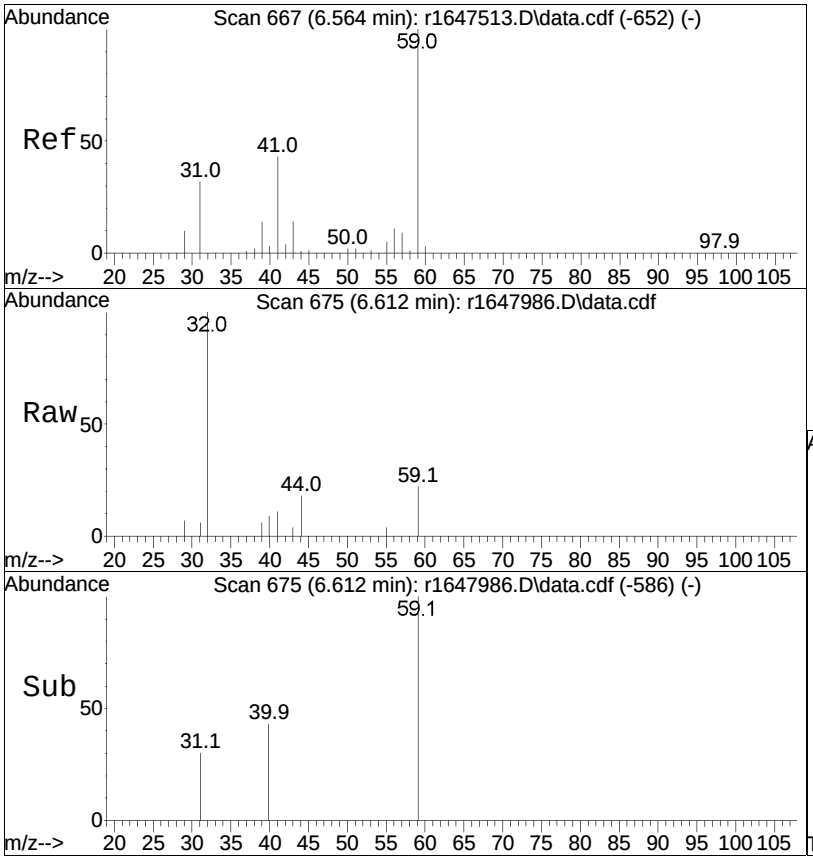


#22
isopropyl alcohol
Concen: 0.68 ppbV
RT: 5.943 min Scan# 499
Delta R.T. 0.037 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 45 Resp: 17616

Ion	Ratio	Lower	Upper
45	100		
59	4.6	2.5	3.7#

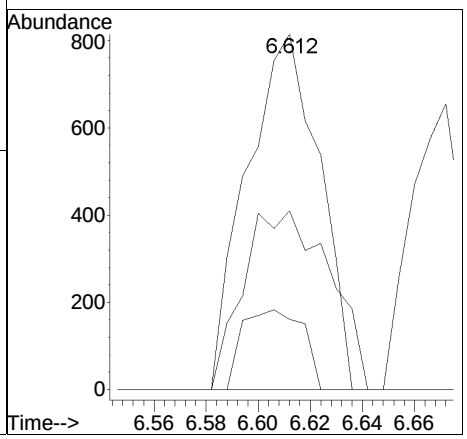


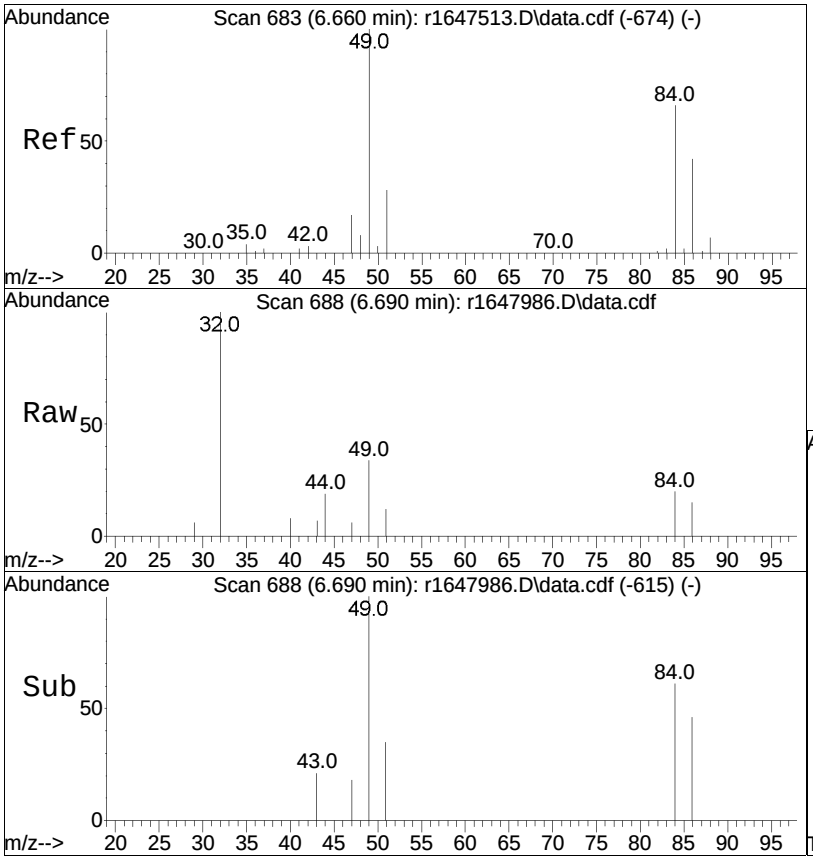


#27
tertiary butyl alcohol
Concen: 0.08 ppbV
RT: 6.612 min Scan# 675
Delta R.T. 0.048 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 59 Resp: 1573

Ion	Ratio	Lower	Upper
59	100		
41	50.3	34.6	52.0
43	19.8	11.4	17.2#

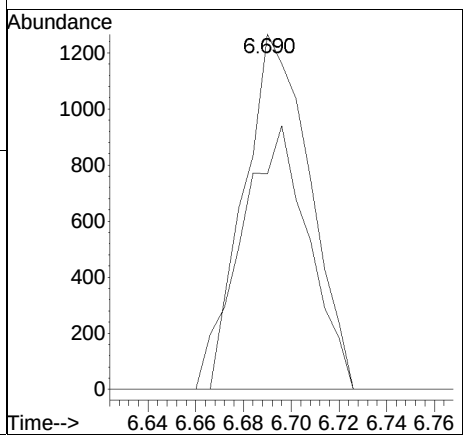


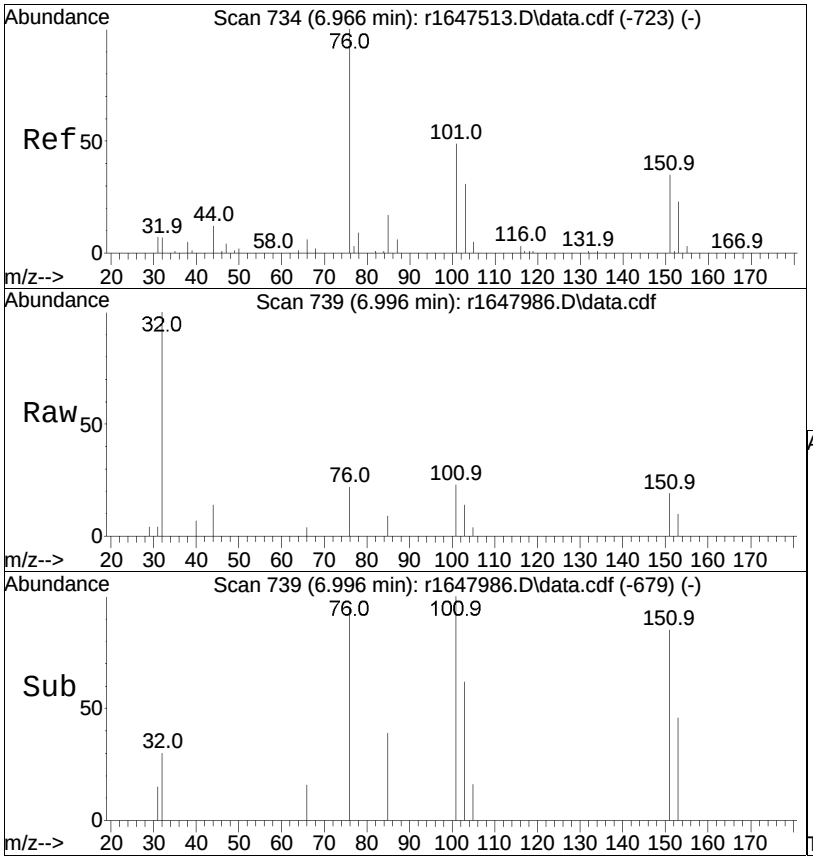


#28
methylene chloride
Concen: 0.13 ppbV
RT: 6.690 min Scan# 688
Delta R.T. 0.030 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 49 Resp: 2408

Ion	Ratio	Lower	Upper
49	100		
84	60.6	52.6	78.8

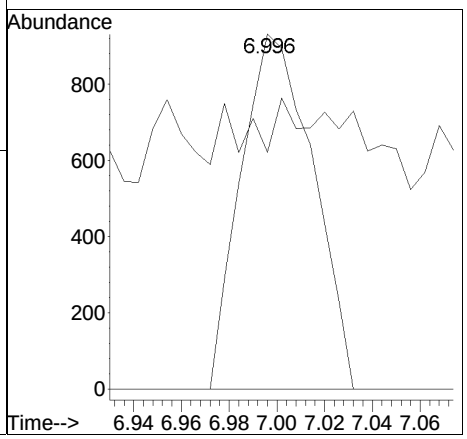


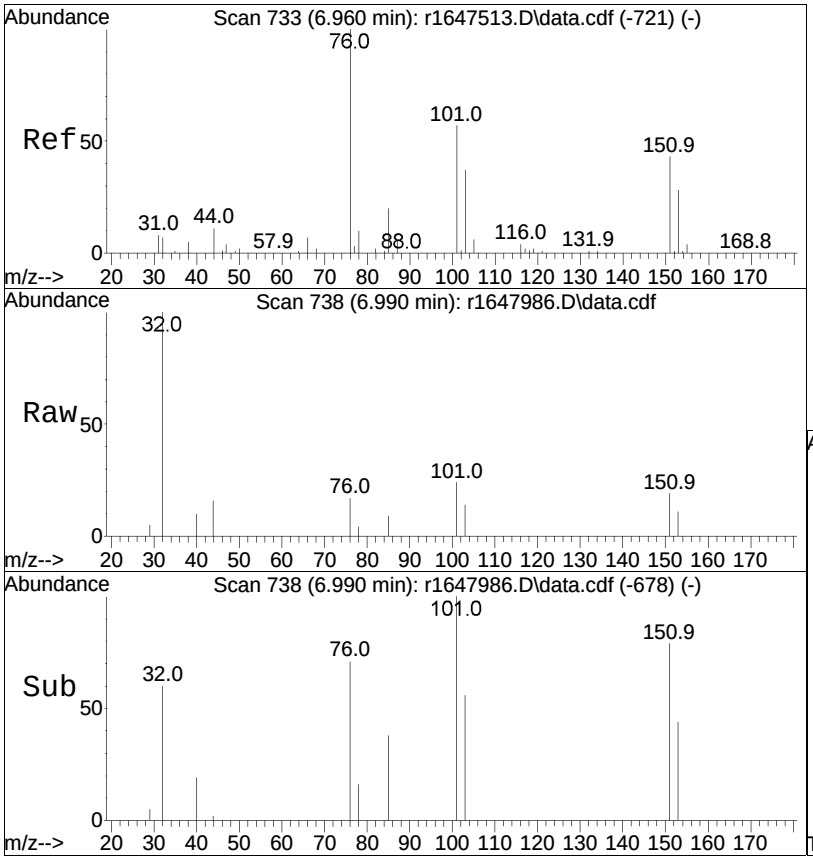


#30
carbon disulfide
Concen: 0.04 ppbV
RT: 6.996 min Scan# 739
Delta R.T. 0.030 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 76 Resp: 1959

Ion	Ratio	Lower	Upper
76	100		
44	66.7	9.8	14.6#

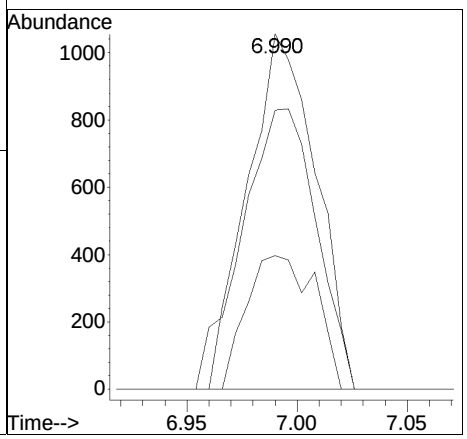


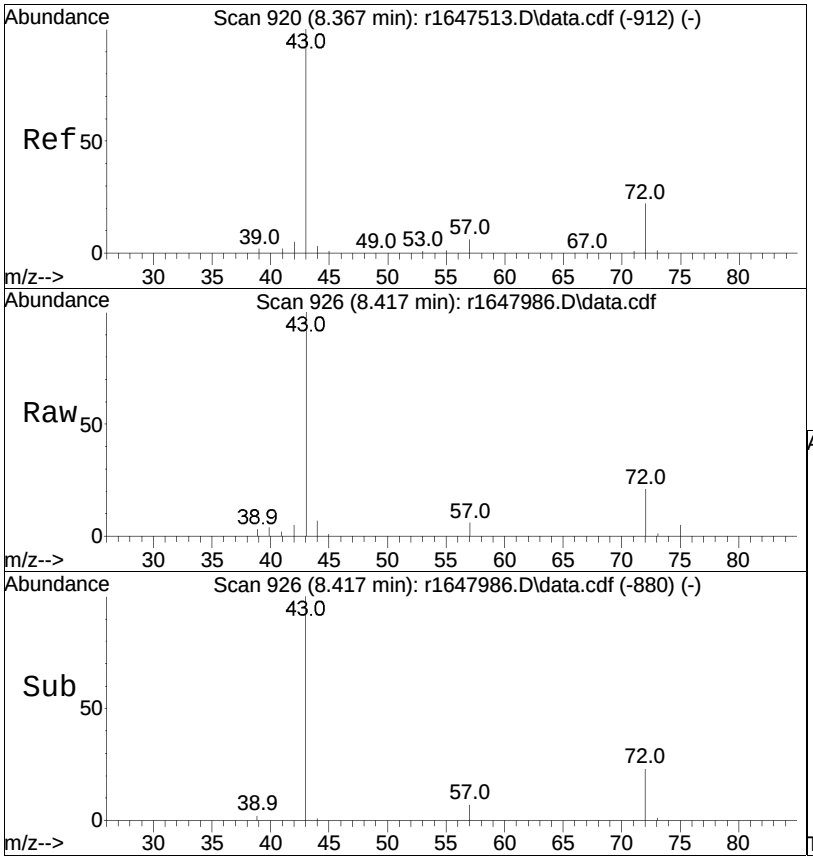


#31
Freon 113
Concen: 0.08 ppbV
RT: 6.990 min Scan# 738
Delta R.T. 0.030 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion:101 Resp: 2277

Ion	Ratio	Lower	Upper
101	100		
85	37.6	28.0	42.0
151	78.6	59.4	89.2

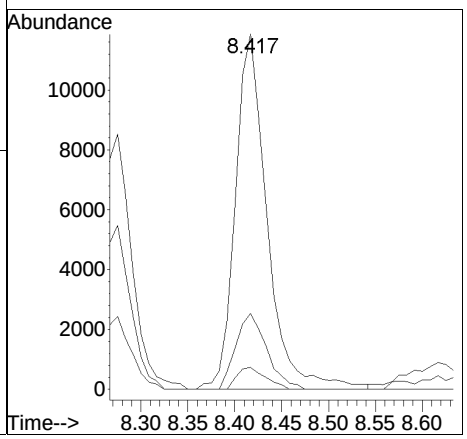


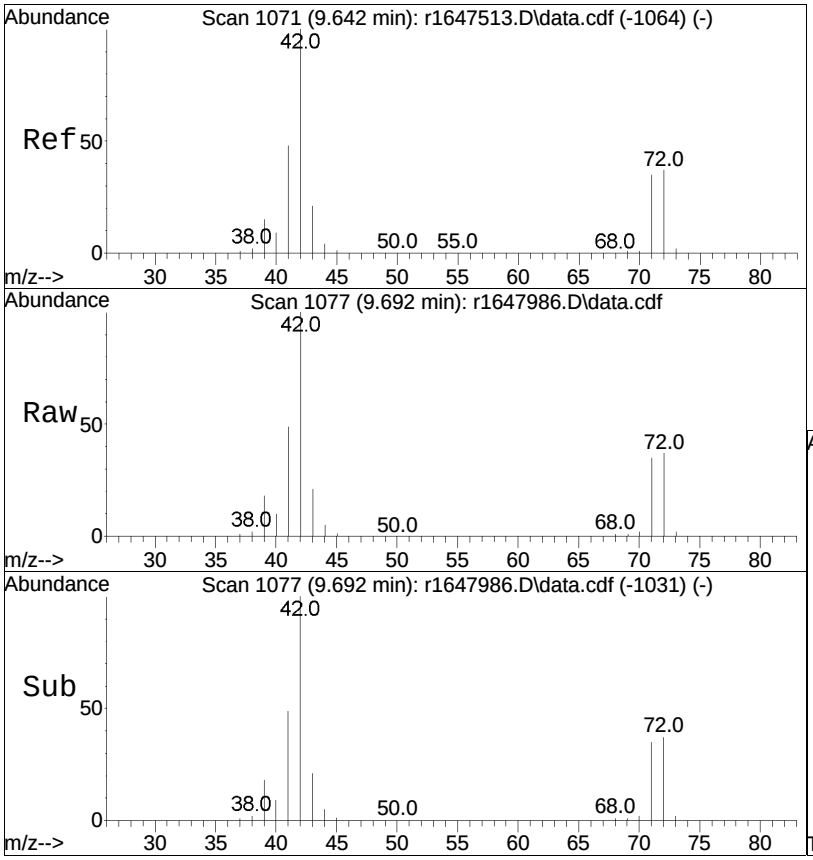


#36
2-butanone
Concen: 0.80 ppbV
RT: 8.417 min Scan# 926
Delta R.T. 0.050 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 43 Resp: 28045

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.7	26.5
57	6.2	4.6	6.8

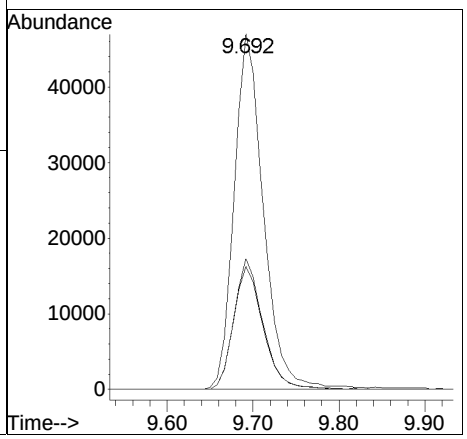


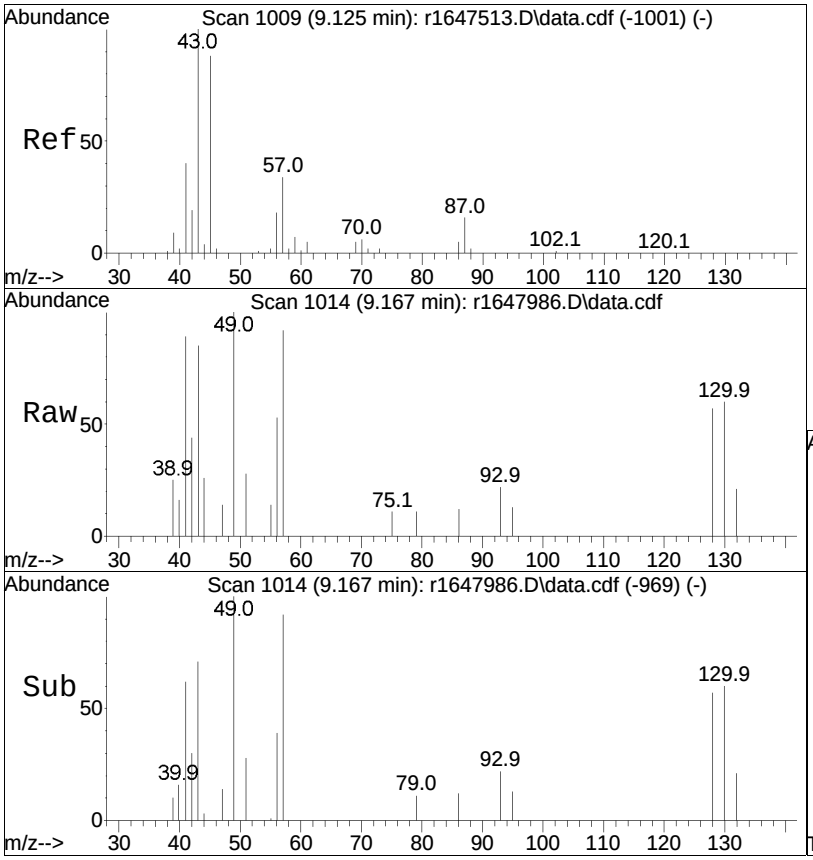


#40
Tetrahydrofuran
Concen: 5.41 ppbV
RT: 9.692 min Scan# 1077
Delta R.T. 0.050 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 42 Resp: 111551

Ion	Ratio	Lower	Upper
42	100		
71	34.6	28.2	42.2
72	36.8	29.8	44.6

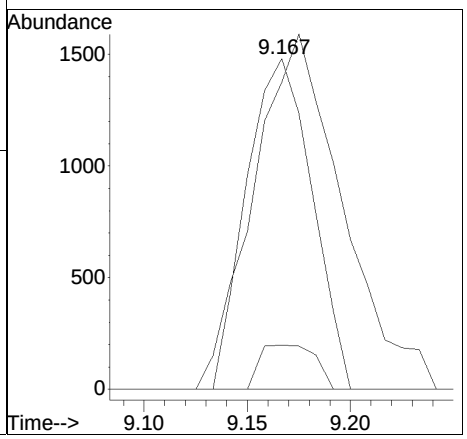


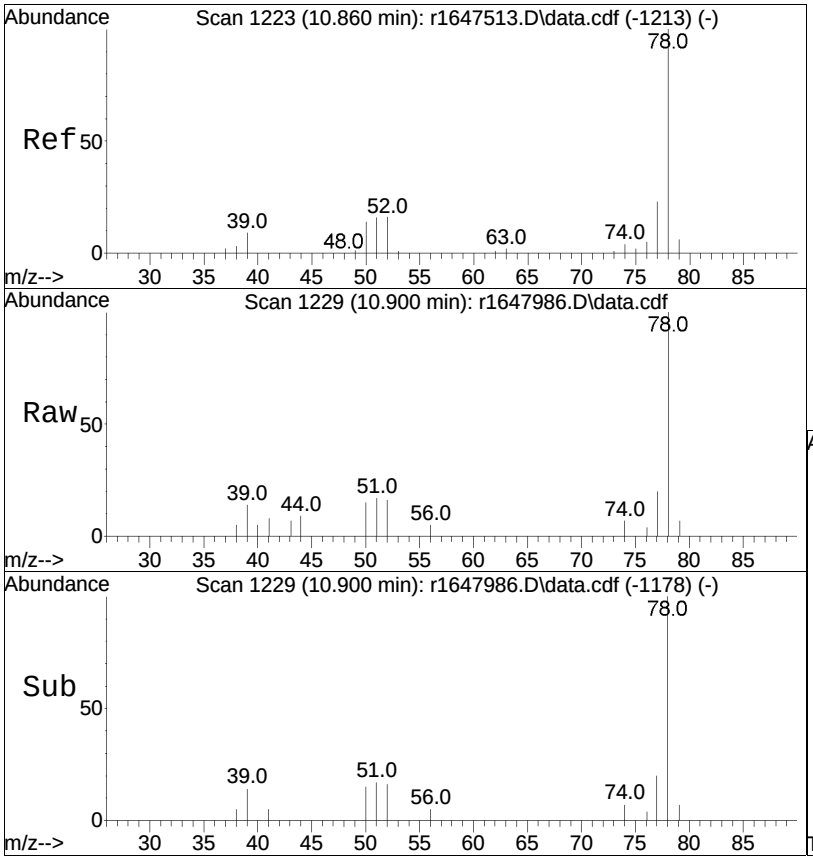


#44
hexane
Concen: 0.15 ppbV
RT: 9.167 min Scan# 1014
Delta R.T. 0.042 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 57 Resp: 3285

Ion	Ratio	Lower	Upper
57	100		
43	92.8	238.6	357.8#
86	13.4	12.3	18.5

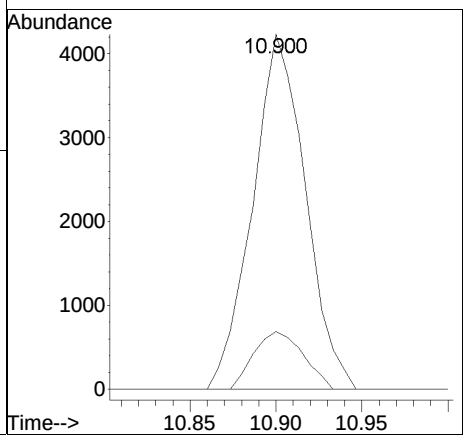


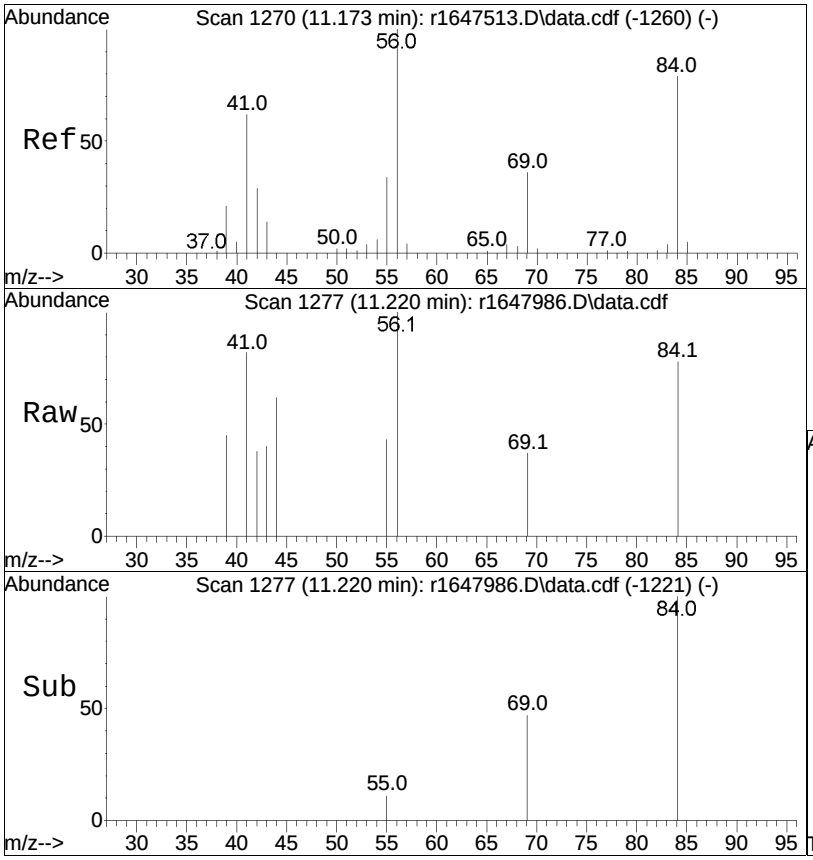


#50
benzene
Concen: 0.17 ppbV
RT: 10.900 min Scan# 1229
Delta R.T. 0.040 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 78 Resp: 9030

Ion	Ratio	Lower	Upper
78	100		
52	16.3	12.5	18.7

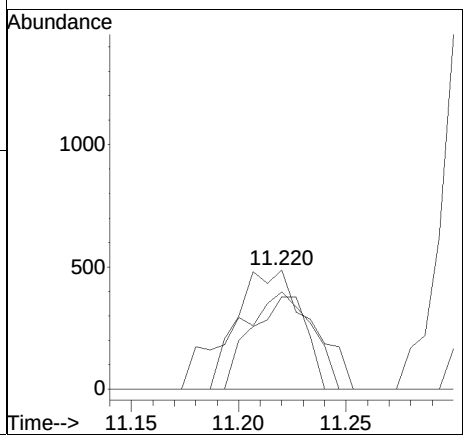


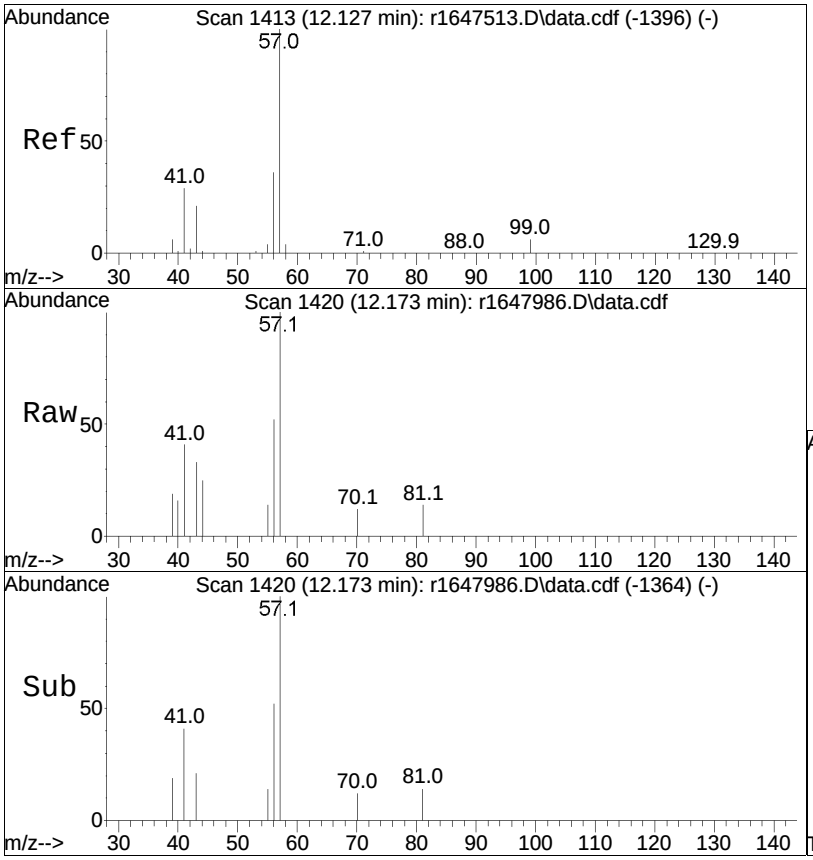


#53
cyclohexane
Concen: 0.05 ppbV
RT: 11.220 min Scan# 1277
Delta R.T. 0.047 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 56 Resp: 1147

Ion	Ratio	Lower	Upper
56	100		
84	77.6	63.4	95.0
41	81.7	49.8	74.6#

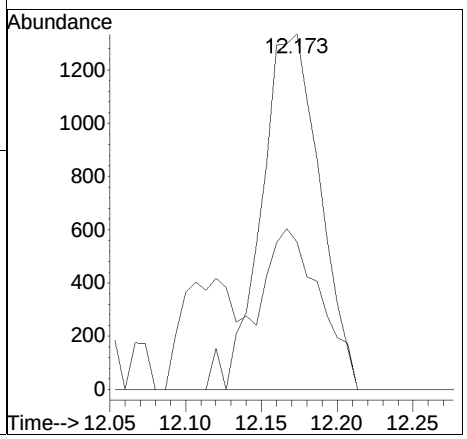


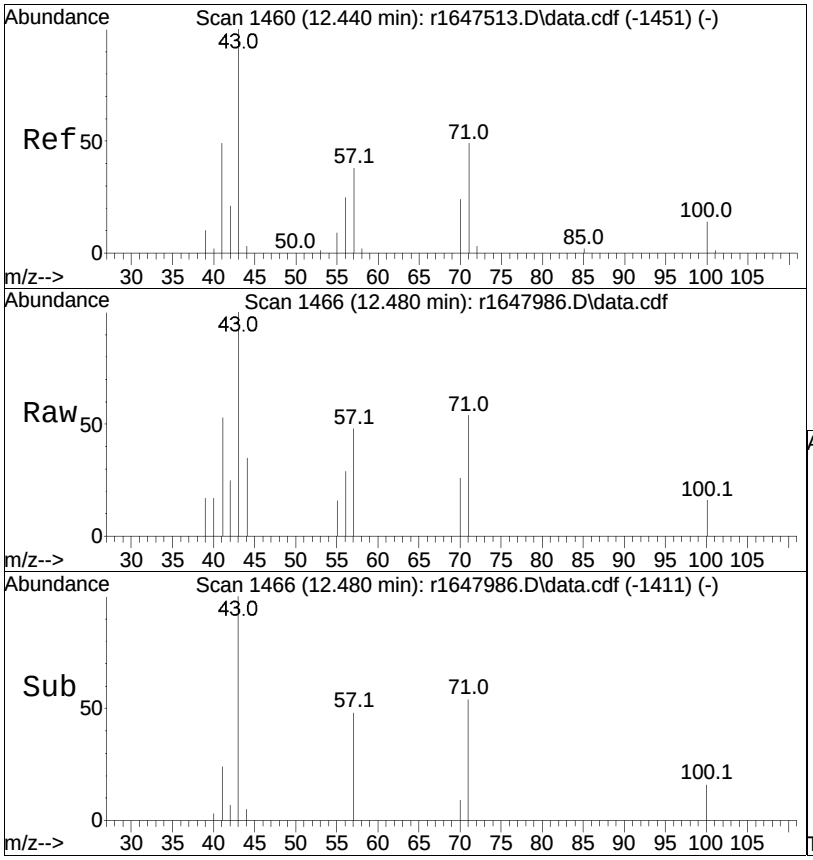


#60
2,2,4-trimethylpentane
Concen: 0.05 ppbV
RT: 12.173 min Scan# 1420
Delta R.T. 0.047 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 57 Resp: 3585

Ion	Ratio	Lower	Upper
57	100		
99	0.0	4.6	7.0#
41	41.5	23.0	34.6#

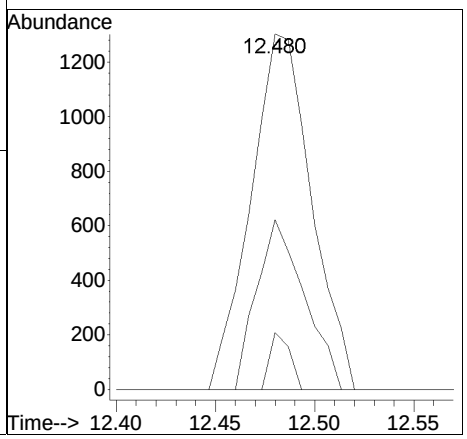


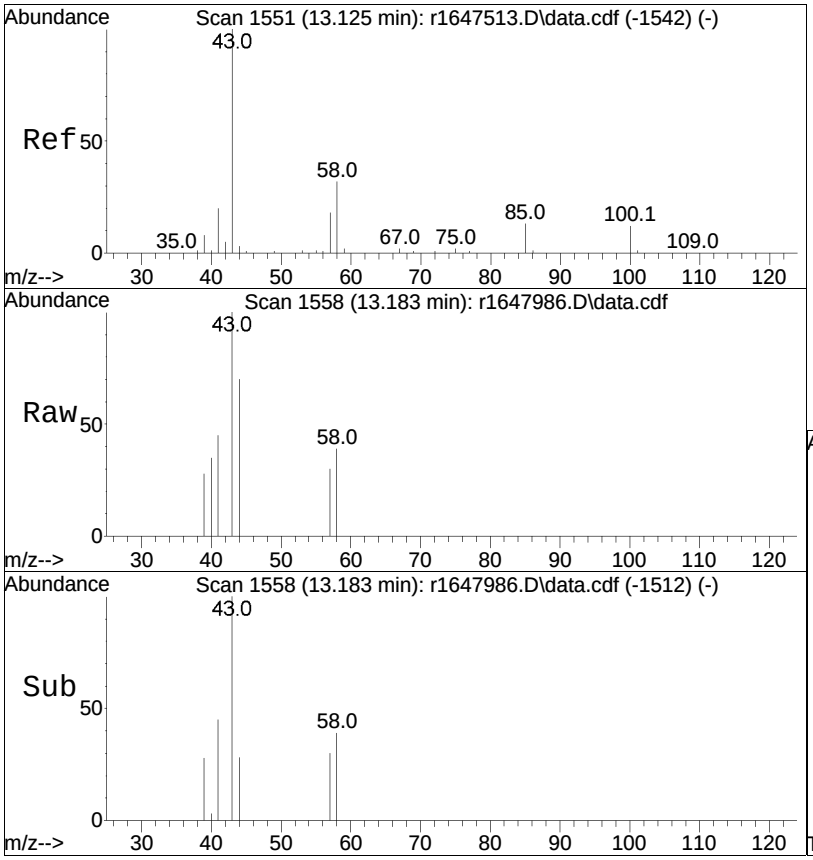


#62
heptane
Concen: 0.08 ppbV
RT: 12.480 min Scan# 1466
Delta R.T. 0.040 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 43 Resp: 2776

Ion	Ratio	Lower	Upper
43	100		
57	47.7	30.5	45.7#
100	16.0	11.1	16.7

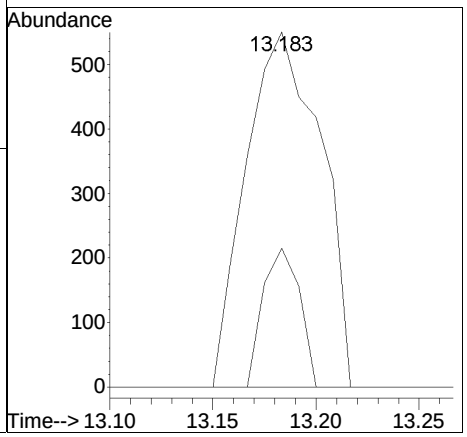


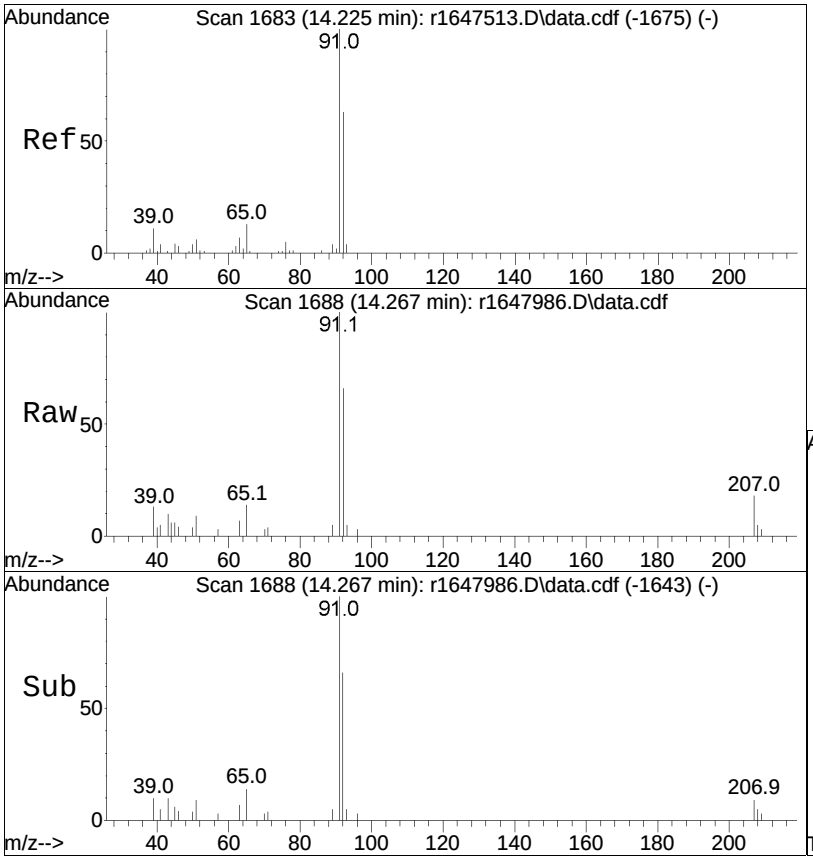


#64
4-methyl-2-pentanone
Concen: 0.03 ppbV
RT: 13.183 min Scan# 1558
Delta R.T. 0.058 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 43 Resp: 1389

Ion	Ratio	Lower	Upper
43	100		
58	39.1	25.4	38.0#
100	0.0	9.8	14.6#

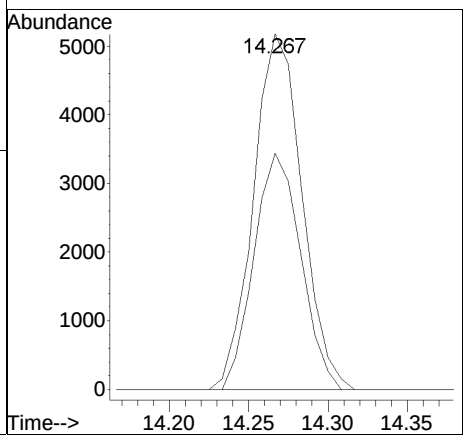


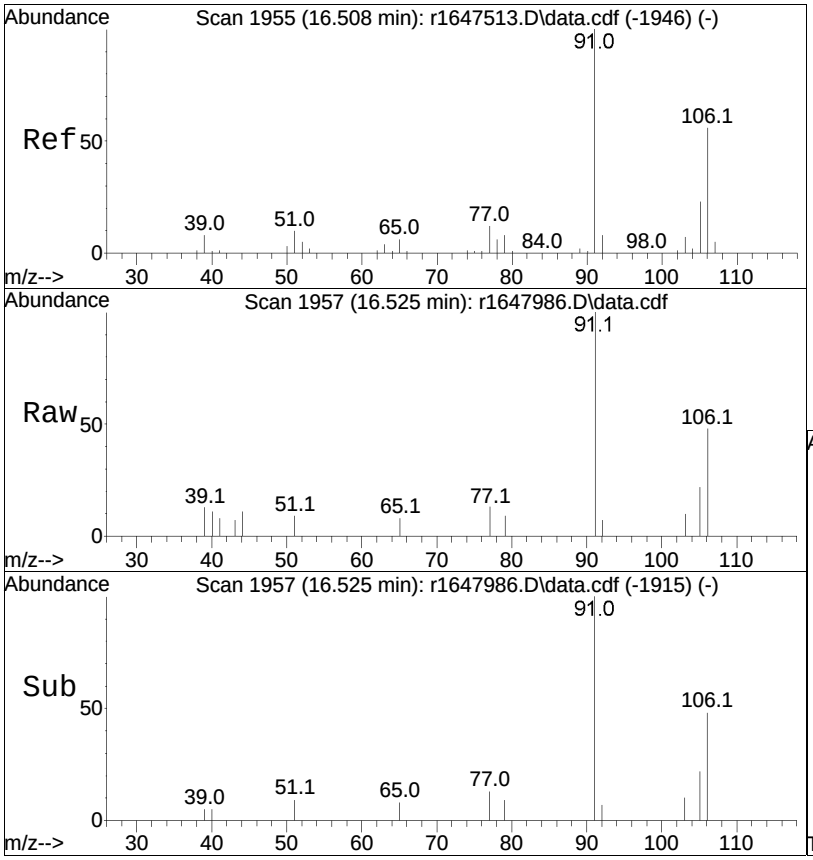


#68
toluene
Concen: 0.18 ppbV
RT: 14.267 min Scan# 1688
Delta R.T. 0.042 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 91 Resp: 11014

Ion	Ratio	Lower	Upper
91	100		
92	66.4	50.8	76.2

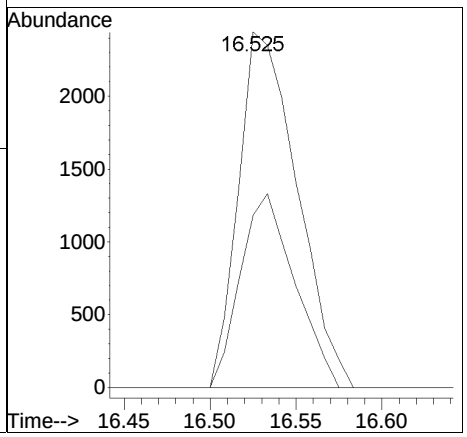


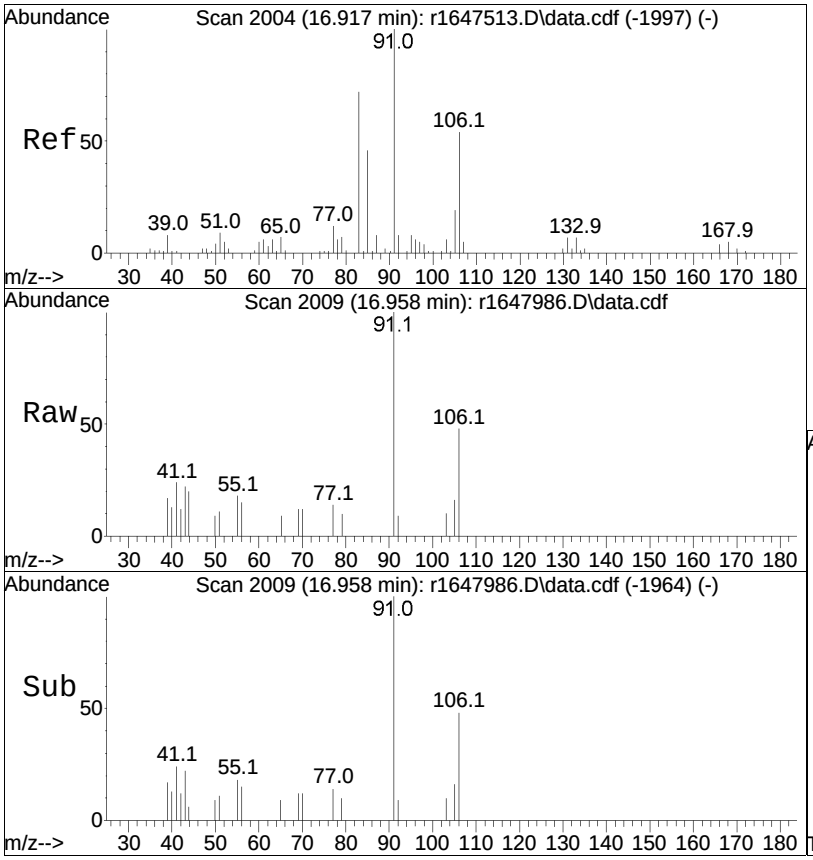


#83
m+p-xylene
Concen: 0.09 ppbV
RT: 16.525 min Scan# 1957
Delta R.T. 0.017 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 91 Resp: 5793

Ion	Ratio	Lower	Upper
91	100		
106	48.4	45.0	67.4

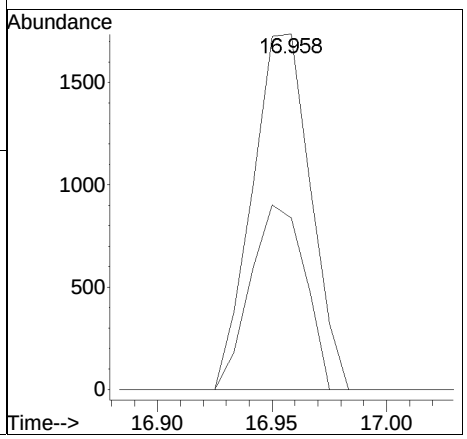


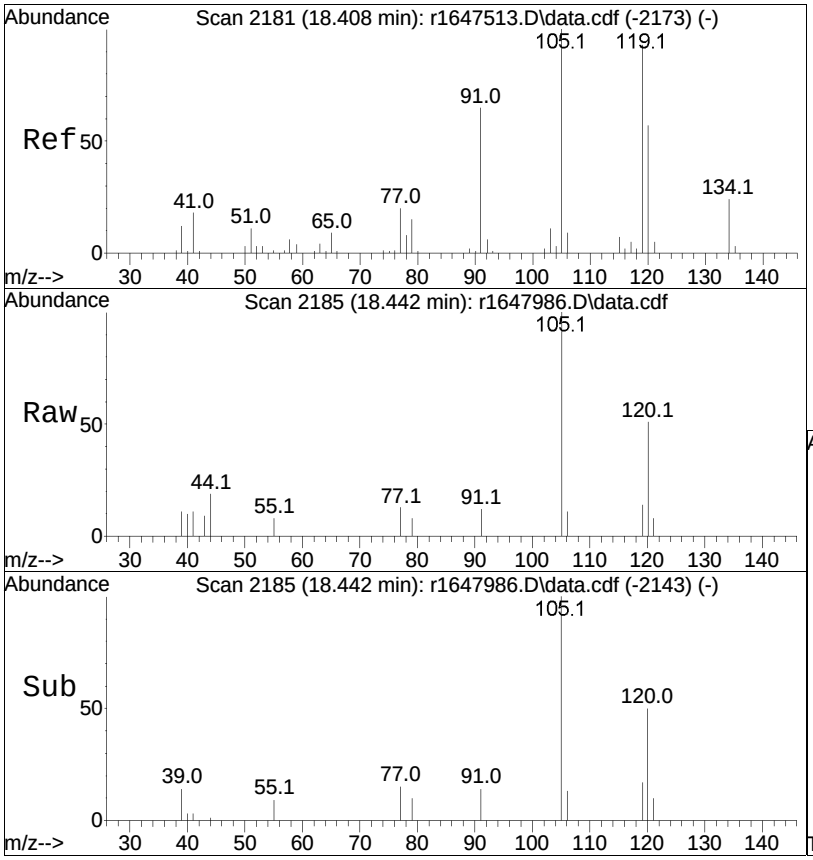


#87
o-xylene
Concen: 0.05 ppbV
RT: 16.958 min Scan# 2009
Delta R.T. 0.042 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion: 91 Resp: 3074

Ion	Ratio	Lower	Upper
91	100		
106	48.2	43.2	64.8

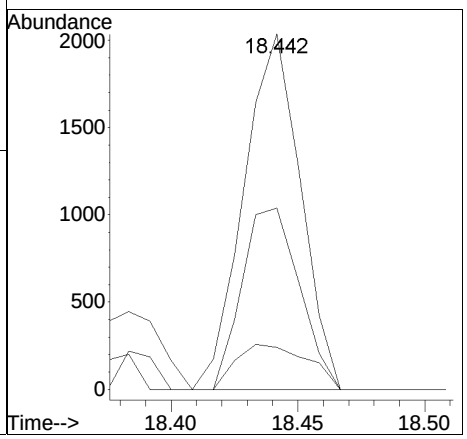


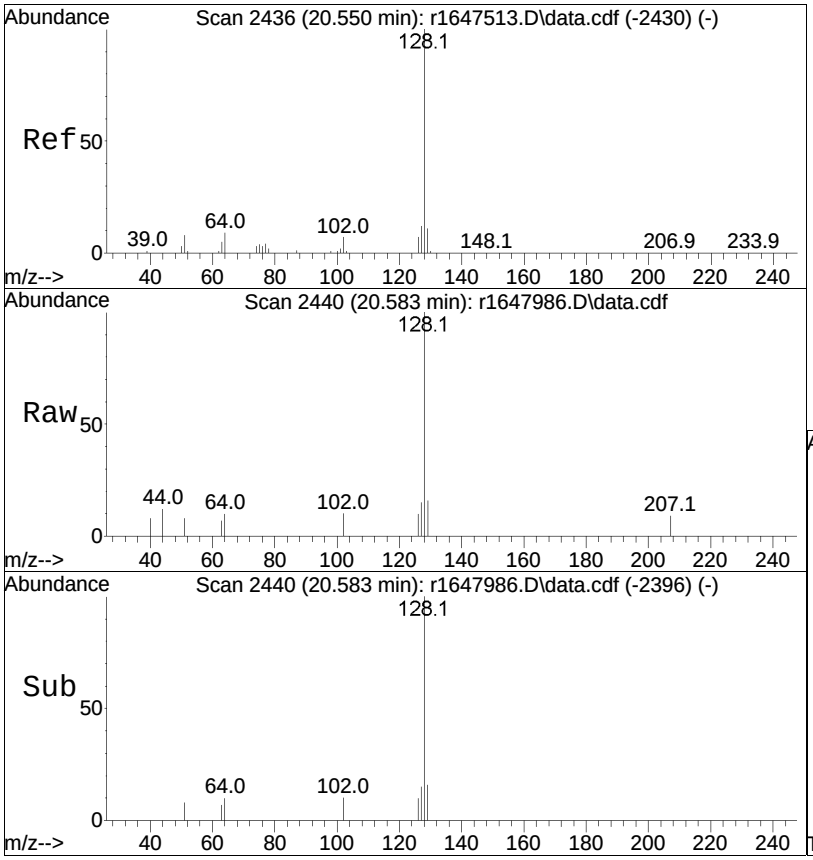


#99
1,2,4-trimethylbenzene
Concen: 0.04 ppbV m
RT: 18.442 min Scan# 2185
Delta R.T. 0.033 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion:105 Resp: 3169

Ion	Ratio	Lower	Upper
105	100		
120	51.0	45.9	68.9
91	11.8	51.9	77.9#

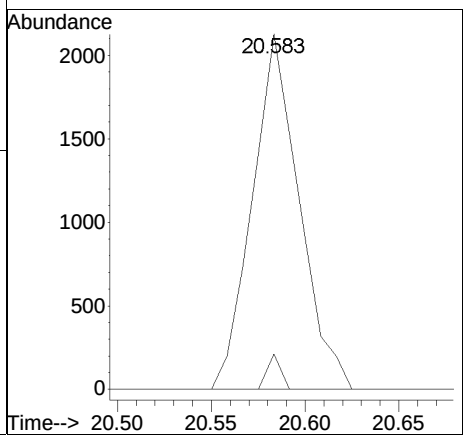




#116
naphthalene
Concen: 0.05 ppbV
RT: 20.583 min Scan# 2440
Delta R.T. 0.033 min
Lab File: r1647986.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion:128 Resp: 3704

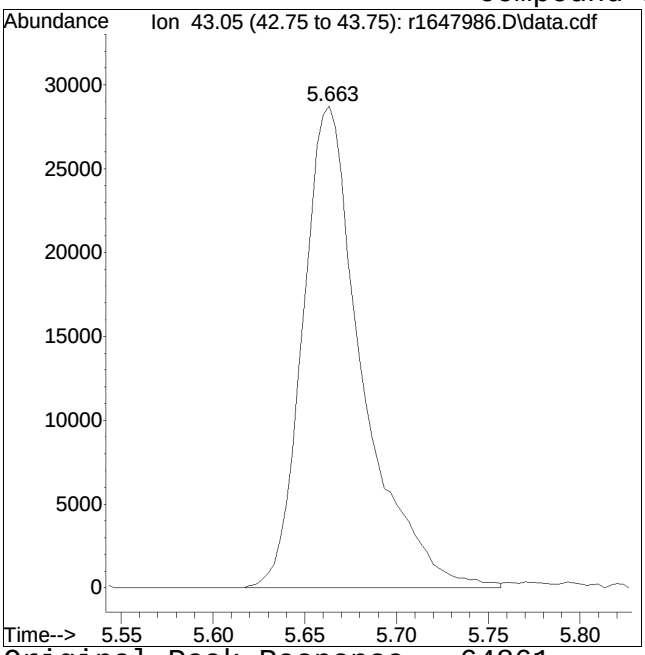
Ion	Ratio	Lower	Upper
128	100		
102	10.0	5.8	8.8#



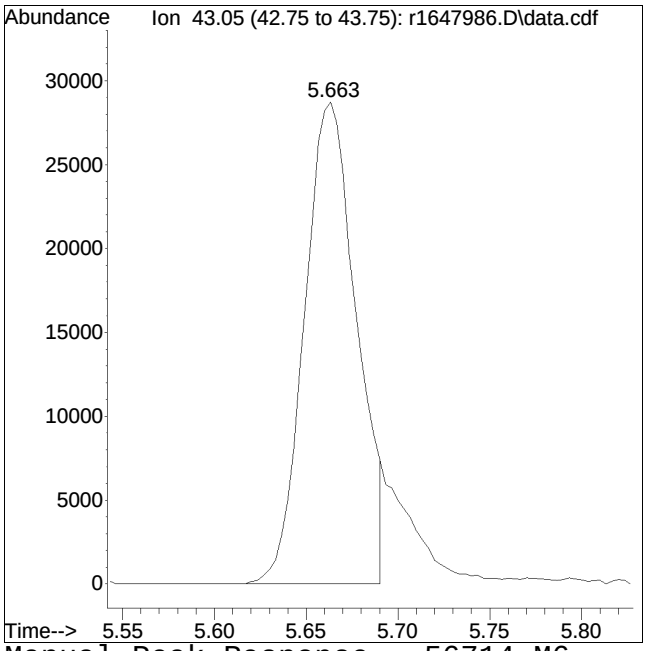
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647986.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 5:33 PM Instrument :
Sample : L2500525-03,3,250,250 Quant Date : 1/19/2025 11:55 am

Compound #19: acetone



Original Peak Response = 64861



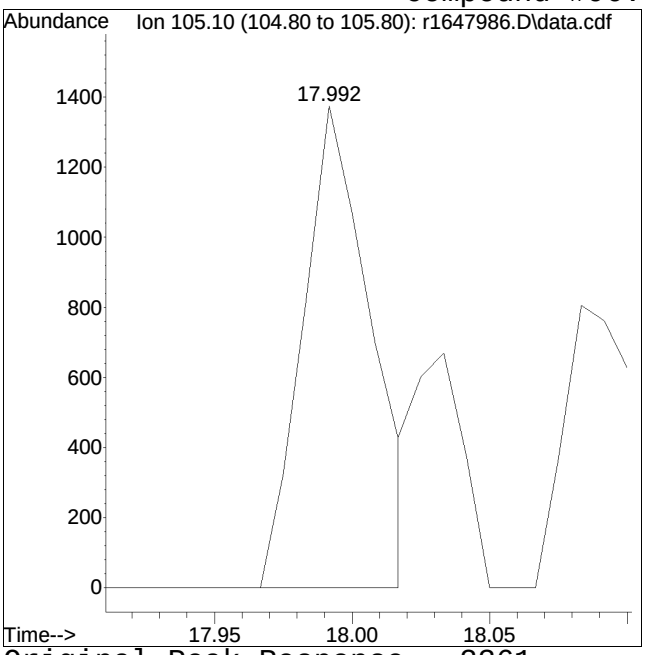
Manual Peak Response = 56714 M6

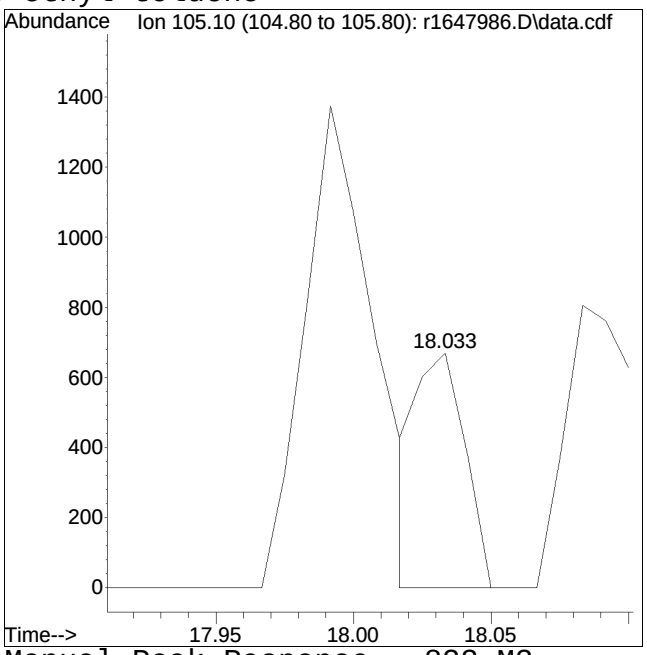
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647986.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 5:33 PM Instrument :
Sample : L2500525-03,3,250,250 Quant Date : 1/19/2025 11:55 am

Compound #96: 4-ethyl toluene





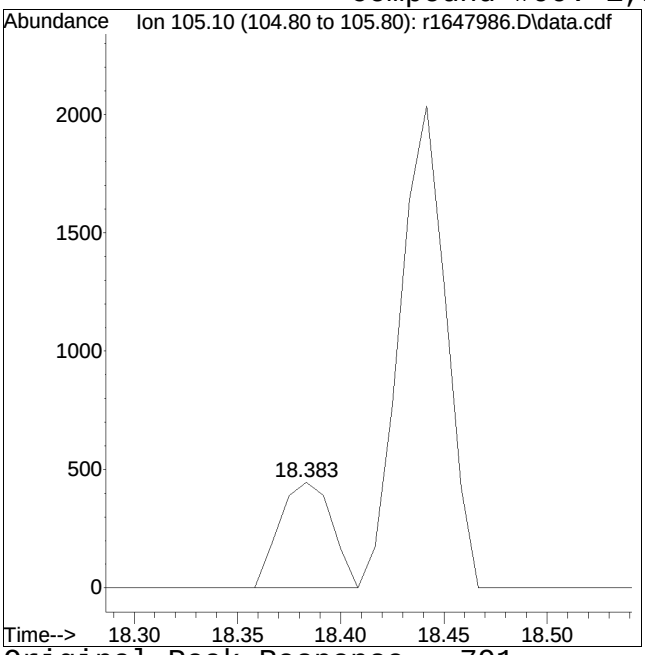
Original Peak Response = 2361 Manual Peak Response = 822 M3

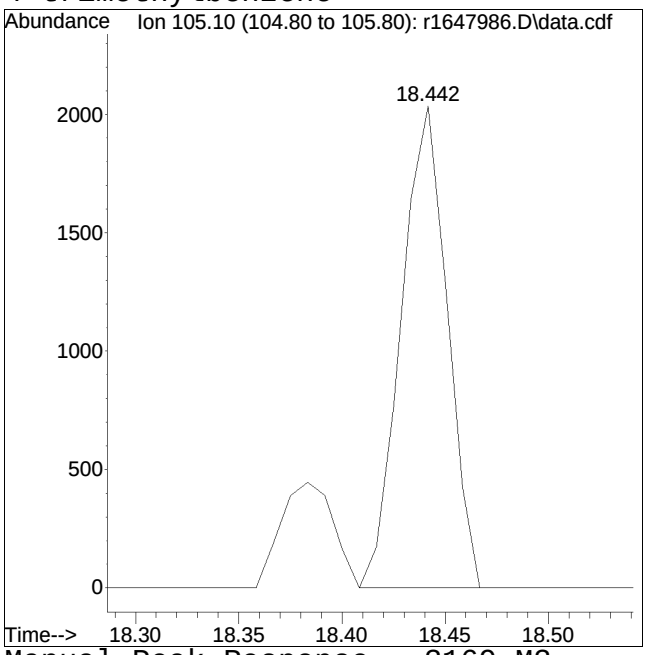
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647986.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 5:33 PM Instrument :
Sample : L2500525-03,3,250,250 Quant Date : 1/19/2025 11:55 am

Compound #99: 1,2,4-trimethylbenzene





Original Peak Response = 791 Manual Peak Response = 3169 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647987.D
Acq On : 18 Jan 2025 6:13 PM
Operator : AIRLAB16:BJB
Sample : L2500525-04,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 11:58:16 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.100	49	259454	10.000	ppbV	0.04
Standard Area = 258084			Recovery = 100.53%			
43) 1,4-difluorobenzene	11.320	114	700582	10.000	ppbV	0.04
Standard Area = 704126			Recovery = 99.50%			
67) chlorobenzene-D5	16.008	54	95459	10.000	ppbV	0.03
Standard Area = 97914			Recovery = 97.49%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	4.000	85	15012	0.643	ppbV	99
6) chloromethane	4.168	50	7918	0.628	ppbV	100
7) Freon-114	0.000		0	N.D.		
10) 1,3-butadiene	4.546	54	756	0.080	ppbV #	76
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	5.146	31	47614	5.477	ppbV	95
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.667	43	32237M6	2.207	ppbV	
21) trichlorofluoromethane	5.857	101	4774	0.262	ppbV	97
22) isopropyl alcohol	5.940	45	127290	5.007	ppbV	99
27) tertiary butyl alcohol	6.618	59	587	0.031	ppbV #	88
28) methylene chloride	6.696	49	2607	0.146	ppbV	98
29) 3-chloropropene	6.744		0	N.D.		
30) carbon disulfide	7.008	76	1418	0.031	ppbV #	1
31) Freon 113	6.996	101	2318	0.088	ppbV	93
32) trans-1,2-dichloroethene	7.750		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.		
36) 2-butanone	8.425	43	4382	0.128	ppbV #	94
38) Ethyl Acetate	9.192	61	356	0.080	ppbV #	83
39) chloroform	9.258		0	N.D.		
40) Tetrahydrofuran	9.708	42	25879	1.286	ppbV	98
42) 1,2-dichloroethane	10.092		0	N.D.		
44) hexane	9.167	57	5998	0.278	ppbV #	1
50) benzene	10.907	78	14751	0.293	ppbV	99
53) cyclohexane	11.220	56	1448	0.063	ppbV #	88
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647987.D
Acq On : 18 Jan 2025 6:13 PM
Operator : AIRLAB16:BJB
Sample : L2500525-04,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 11:58:16 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : TO15-NY+NAPH-7-SIM - .

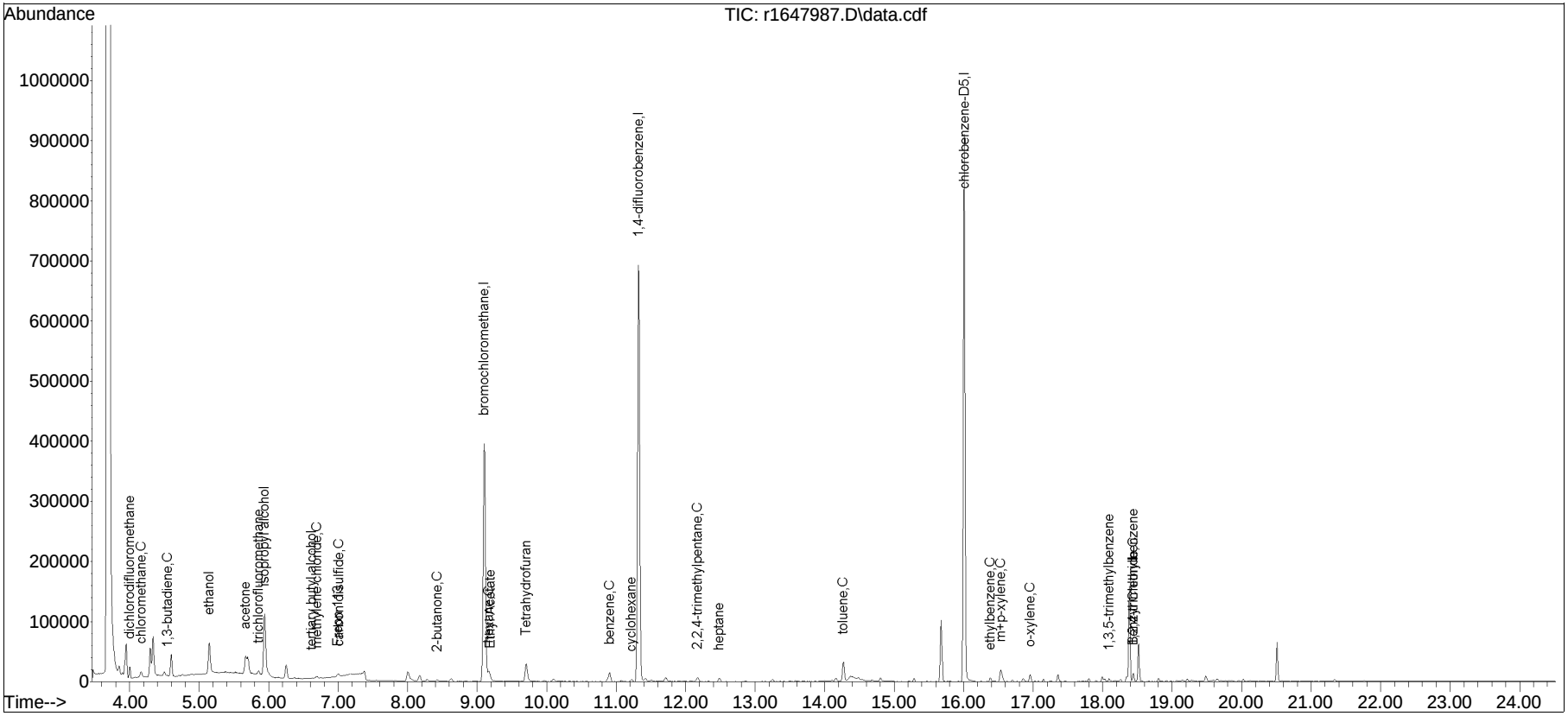
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	12.173	57	5921	0.084	ppbV #	85
62) heptane	12.480	43	3175	0.093	ppbV	99
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	13.192		0	N.D.		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.267	91	26499	0.450	ppbV	99
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	16.383	91	5552	0.075	ppbV	95
83) m+p-xylene	16.533	91	16558	0.284	ppbV	95
84) bromoform	0.000		0	N.D.		
85) styrene	16.867		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.958	91	7583	0.127	ppbV	98
96) 4-ethyl toluene	18.033		0	N.D.		
97) 1,3,5-trimethylbenzene	18.092	105	2582	0.038	ppbV	94
99) 1,2,4-trimethylbenzene	18.442	105	8378M3	0.124	ppbV	
101) Benzyl Chloride	18.442	91	894	0.031	ppbV #	51
102) 1,3-dichlorobenzene	0.000		0	N.D.		
103) 1,4-dichlorobenzene	0.000		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.583		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

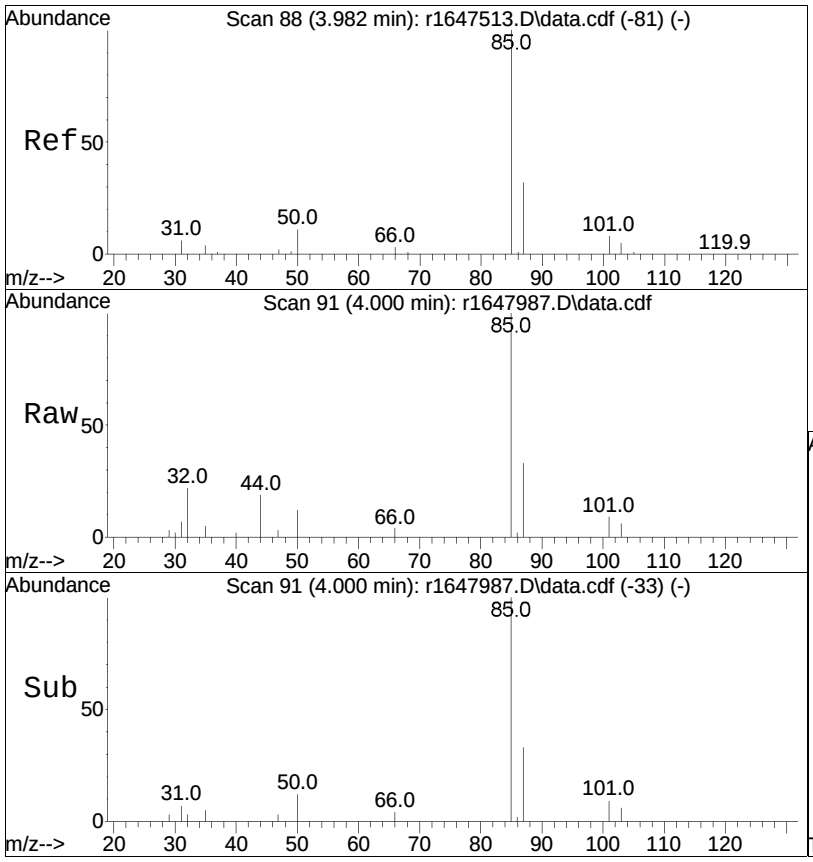
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .6\2025\01\0118T\r1647982.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647987.D
Acq On : 18 Jan 2025 6:13 PM
Operator : AIRLAB16:BJB
Sample : L2500525-04,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 11:58:16 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

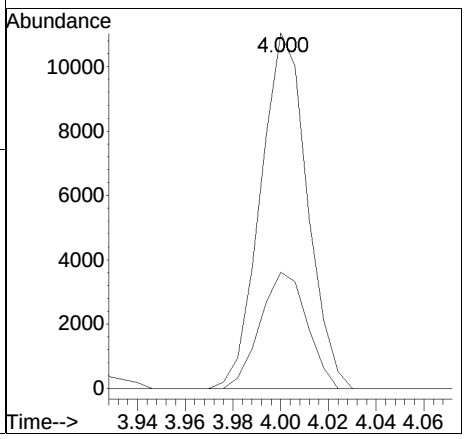


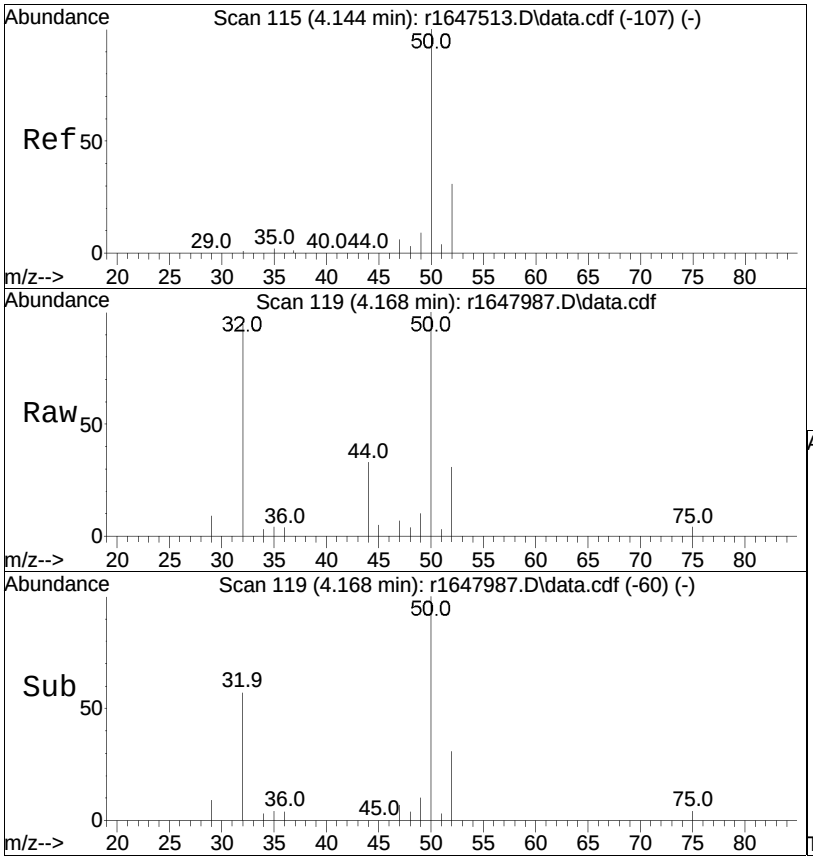


#5
dichlorodifluoromethane
Concen: 0.64 ppbV
RT: 4.000 min Scan# 91
Delta R.T. 0.018 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 85 Resp: 15012

Ion	Ratio	Lower	Upper
85	100		
87	32.7	25.5	38.3

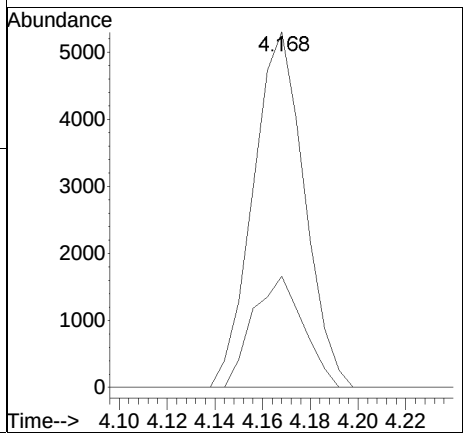


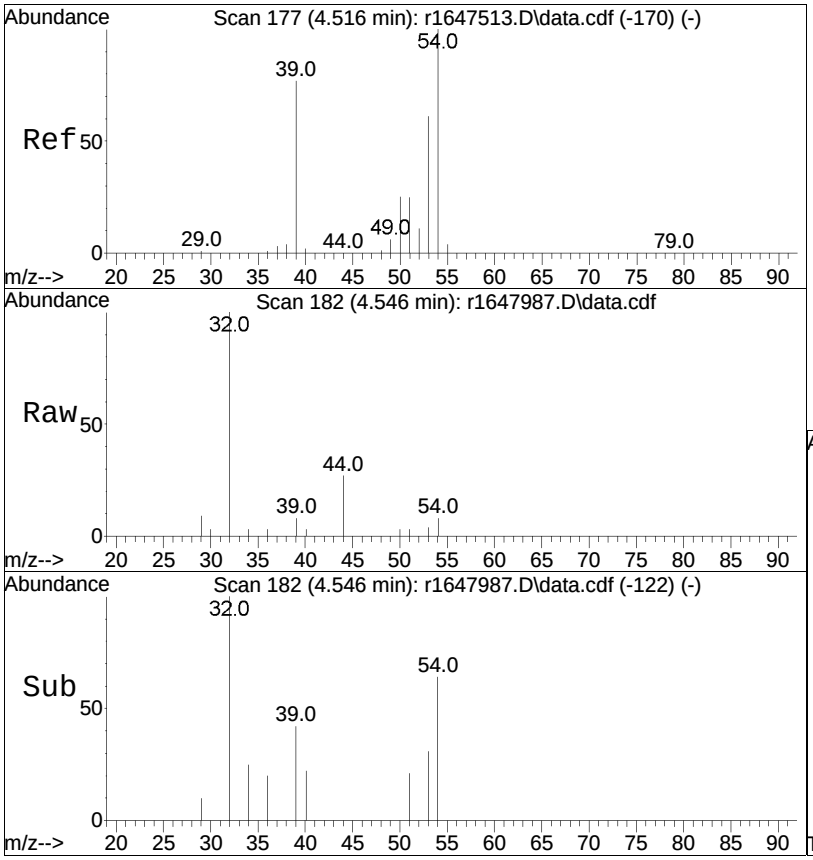


#6
chloromethane
Concen: 0.63 ppbV
RT: 4.168 min Scan# 119
Delta R.T. 0.024 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 50 Resp: 7918

Ion	Ratio	Lower	Upper
50	100		
52	31.3	25.2	37.8

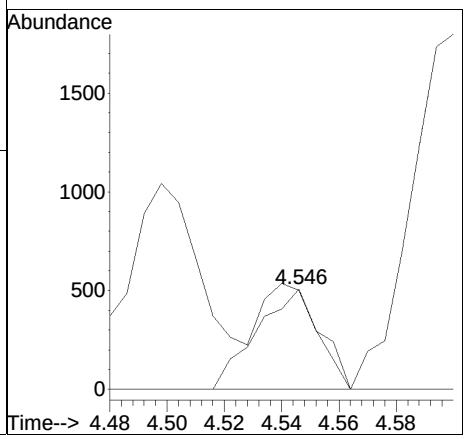


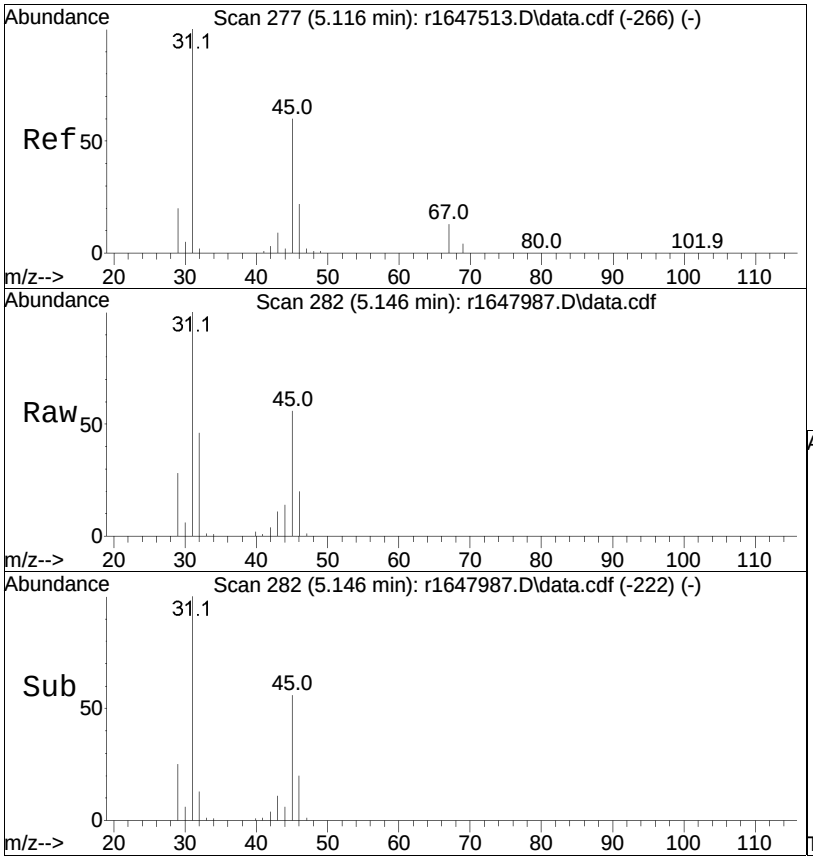


#10
1,3-butadiene
Concen: 0.08 ppbV
RT: 4.546 min Scan# 182
Delta R.T. 0.030 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 54 Resp: 756

Ion	Ratio	Lower	Upper
54	100		
39	98.8	62.5	93.7#

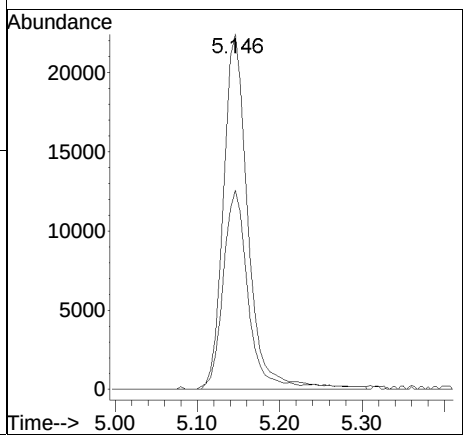


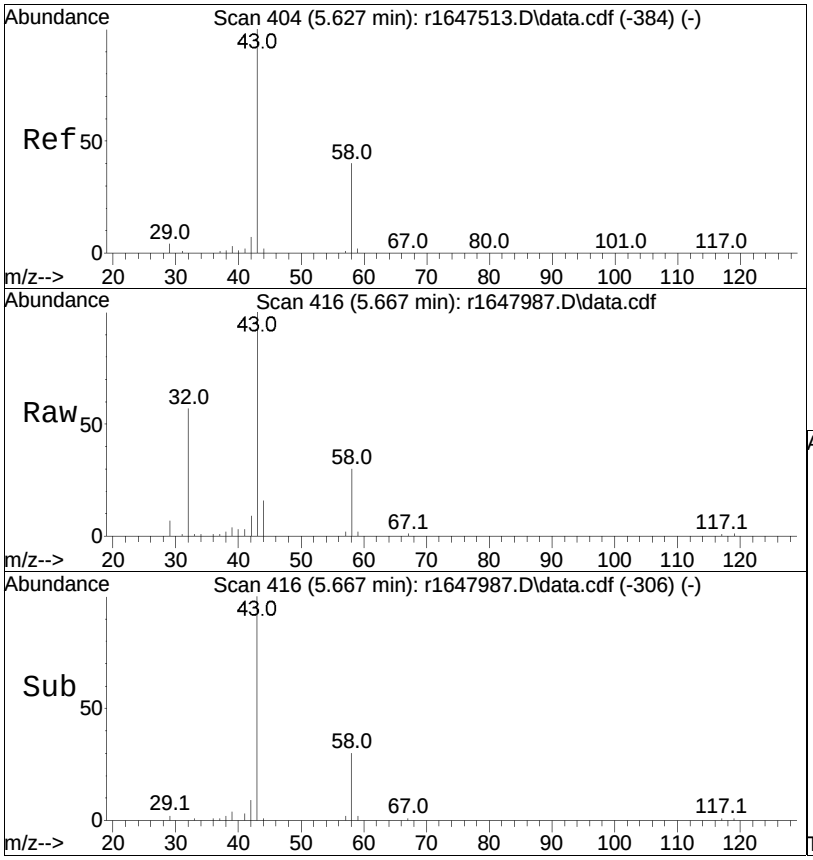


#15
ethanol
Concen: 5.48 ppbV
RT: 5.146 min Scan# 282
Delta R.T. 0.030 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 31 Resp: 47614

Ion	Ratio	Lower	Upper
31	100		
45	56.1	47.8	71.8

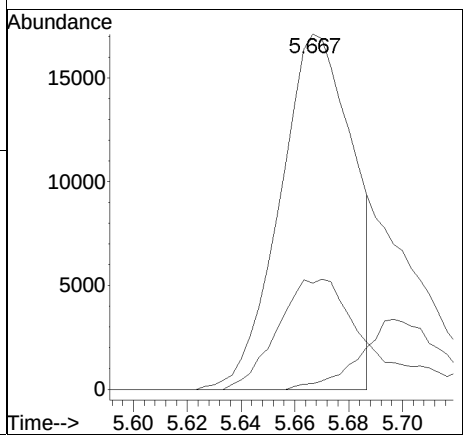


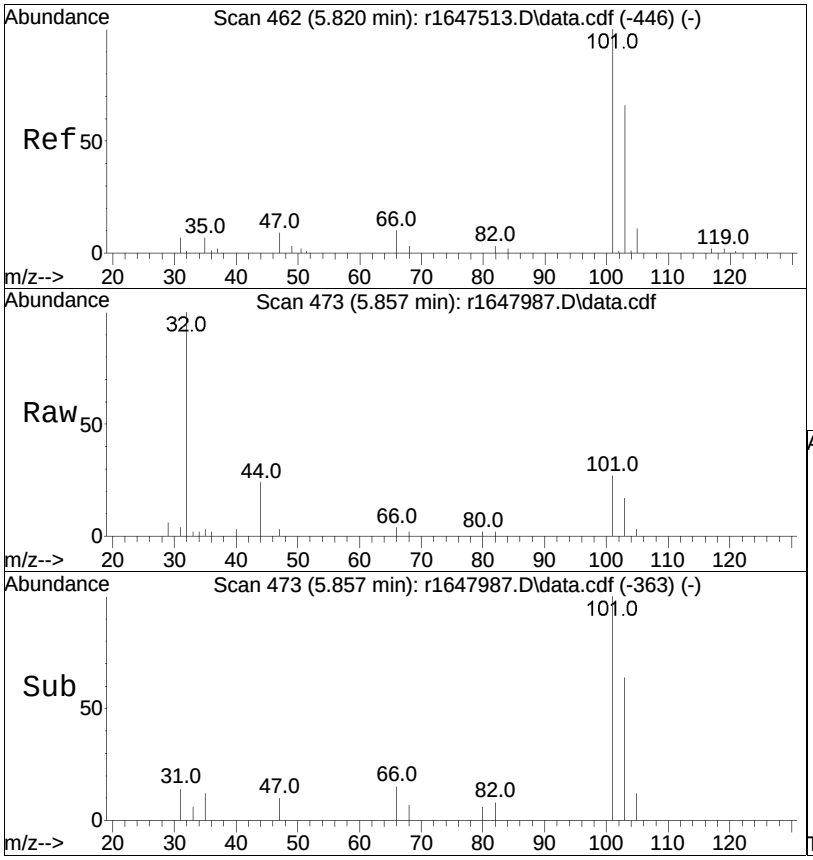


#19
acetone
Concen: 2.21 ppbV m
RT: 5.667 min Scan# 416
Delta R.T. 0.040 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 43 Resp: 32237

Ion	Ratio	Lower	Upper
43	100		
58	29.9	32.1	48.1#
57	1.6	0.9	1.3#

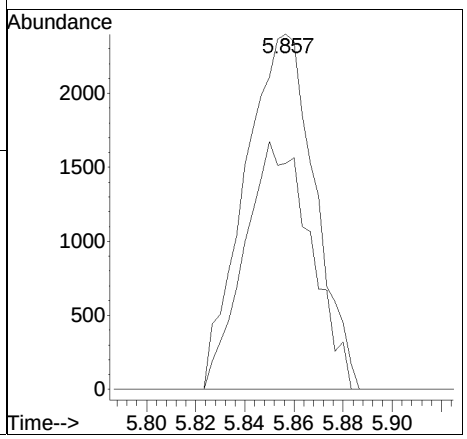


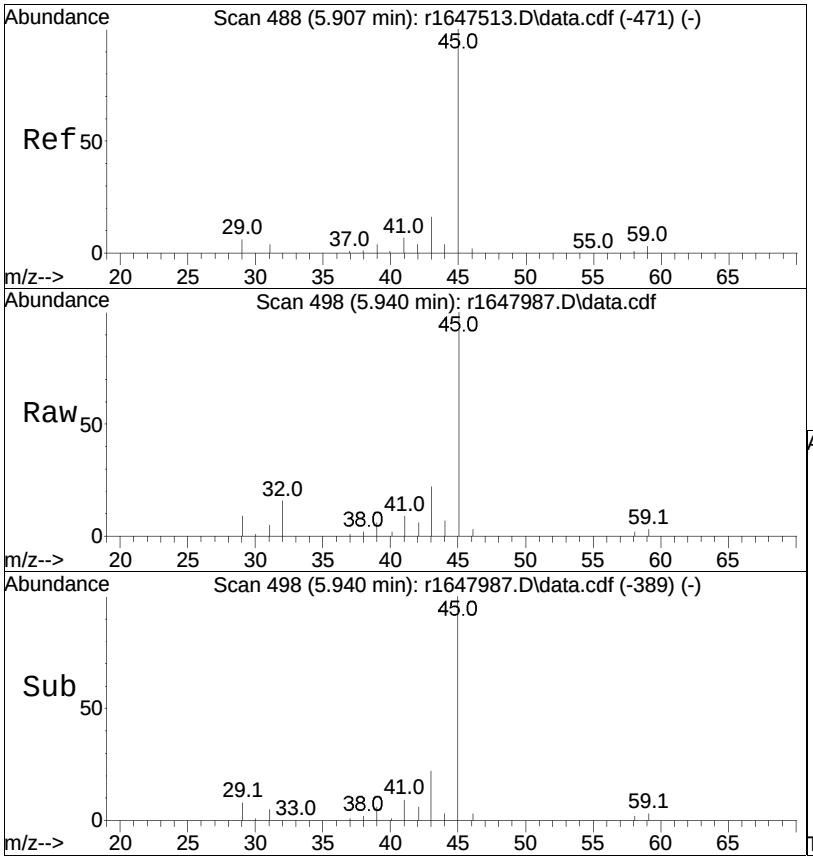


#21
trichlorofluoromethane
Concen: 0.26 ppbV
RT: 5.857 min Scan# 473
Delta R.T. 0.037 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion:101 Resp: 4774

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.6	78.8

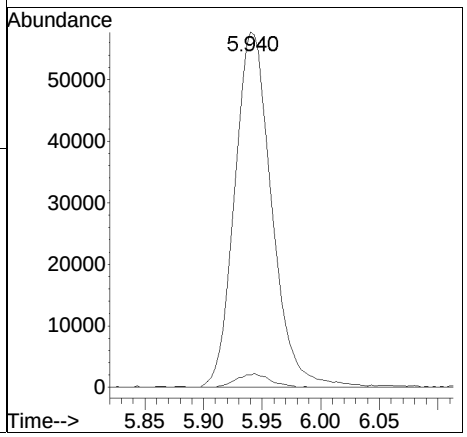


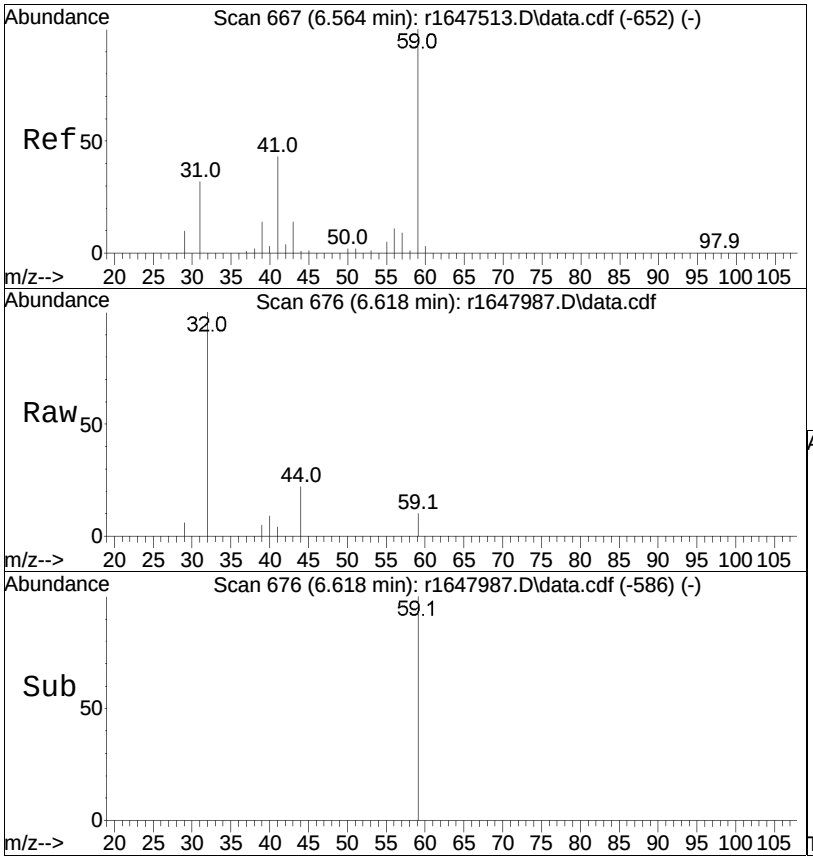


#22
isopropyl alcohol
Concen: 5.01 ppbV
RT: 5.940 min Scan# 498
Delta R.T. 0.033 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 45 Resp: 127290

Ion	Ratio	Lower	Upper
45	100		
59	3.4	2.5	3.7

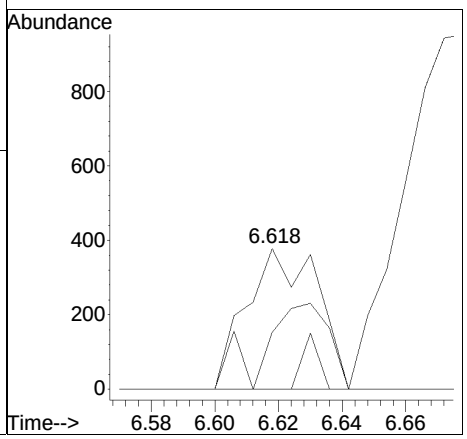


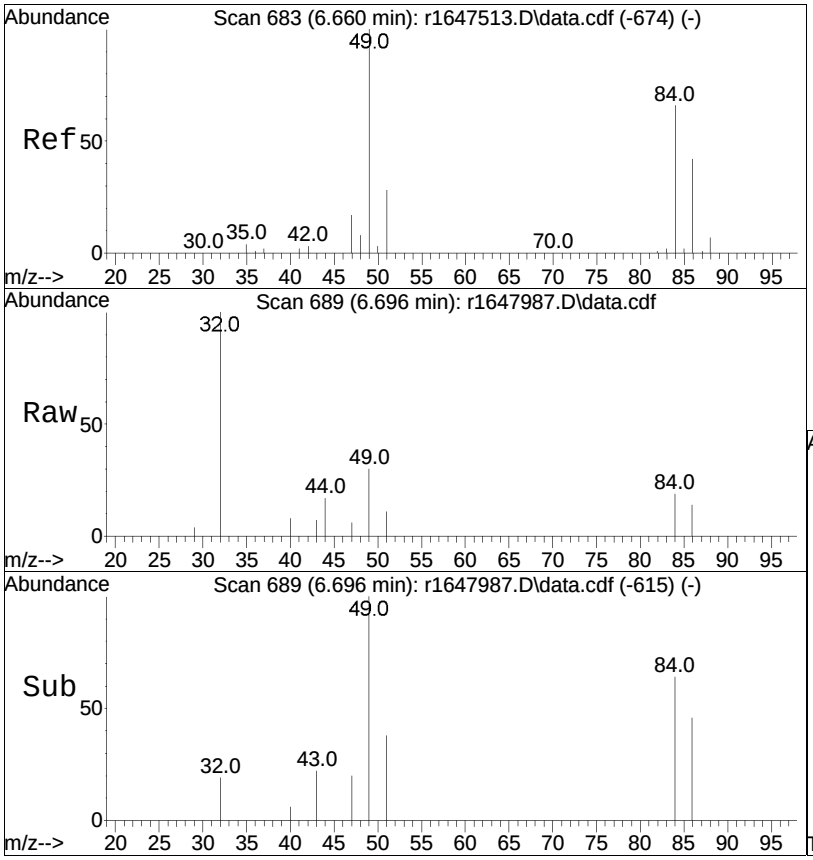


#27
tertiary butyl alcohol
Concen: 0.03 ppbV
RT: 6.618 min Scan# 676
Delta R.T. 0.054 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 59 Resp: 587

Ion	Ratio	Lower	Upper
59	100		
41	40.5	34.6	52.0
43	0.0	11.4	17.2#

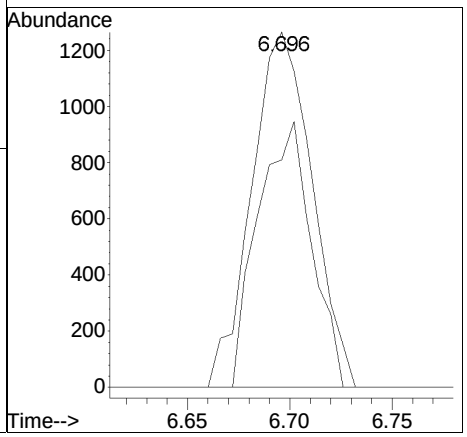


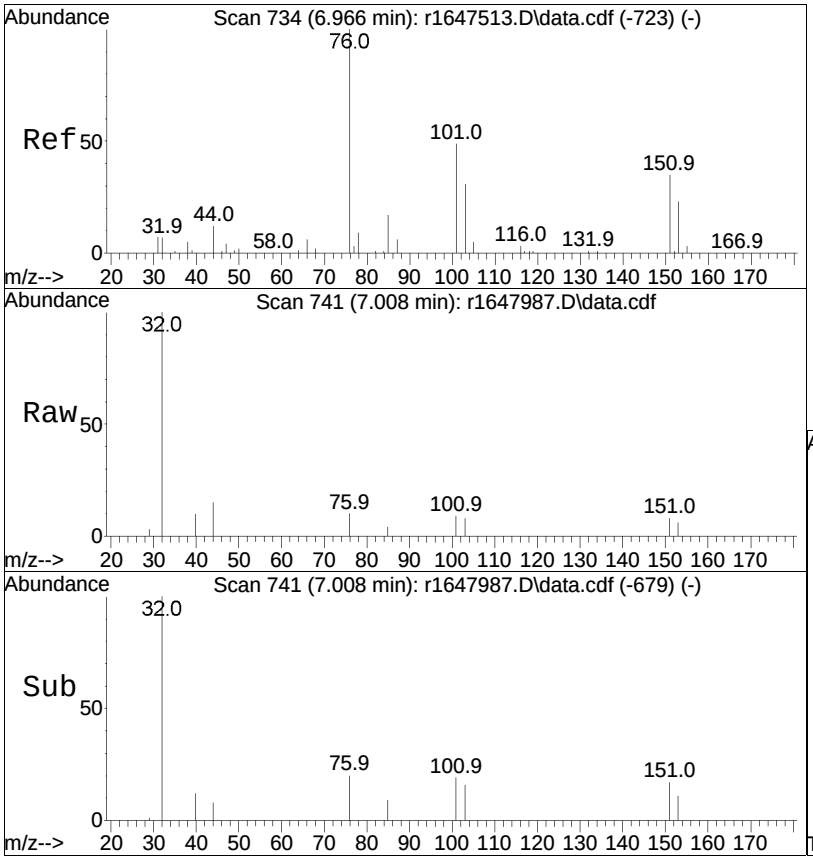


#28
methylene chloride
Concen: 0.15 ppbV
RT: 6.696 min Scan# 689
Delta R.T. 0.036 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 49 Resp: 2607

Ion	Ratio	Lower	Upper
49	100		
84	64.0	52.6	78.8

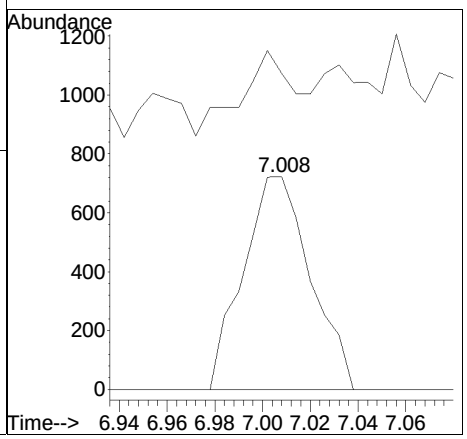


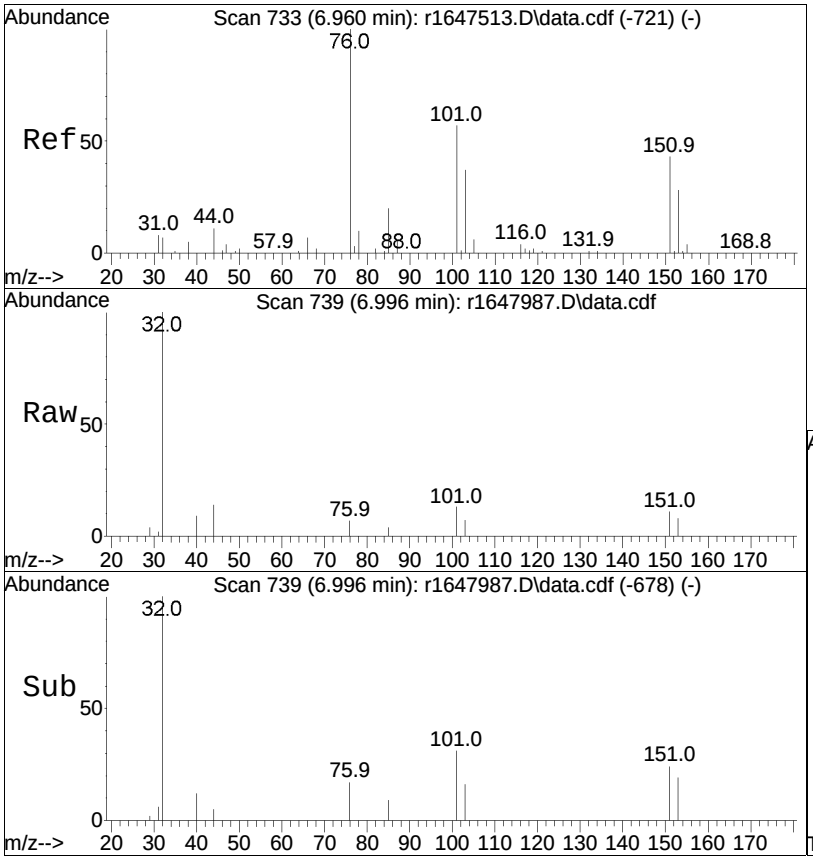


#30
carbon disulfide
Concen: 0.03 ppbV
RT: 7.008 min Scan# 741
Delta R.T. 0.042 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 76 Resp: 1418

Ion	Ratio	Lower	Upper
76	100		
44	148.6	9.8	14.6#

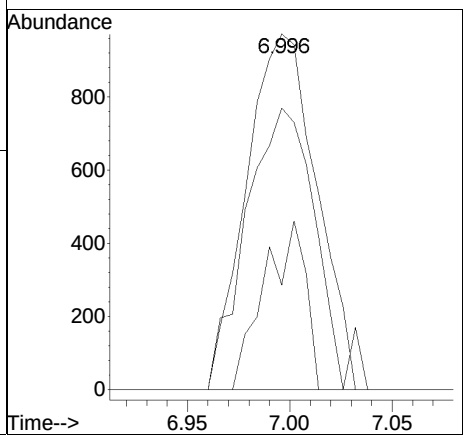


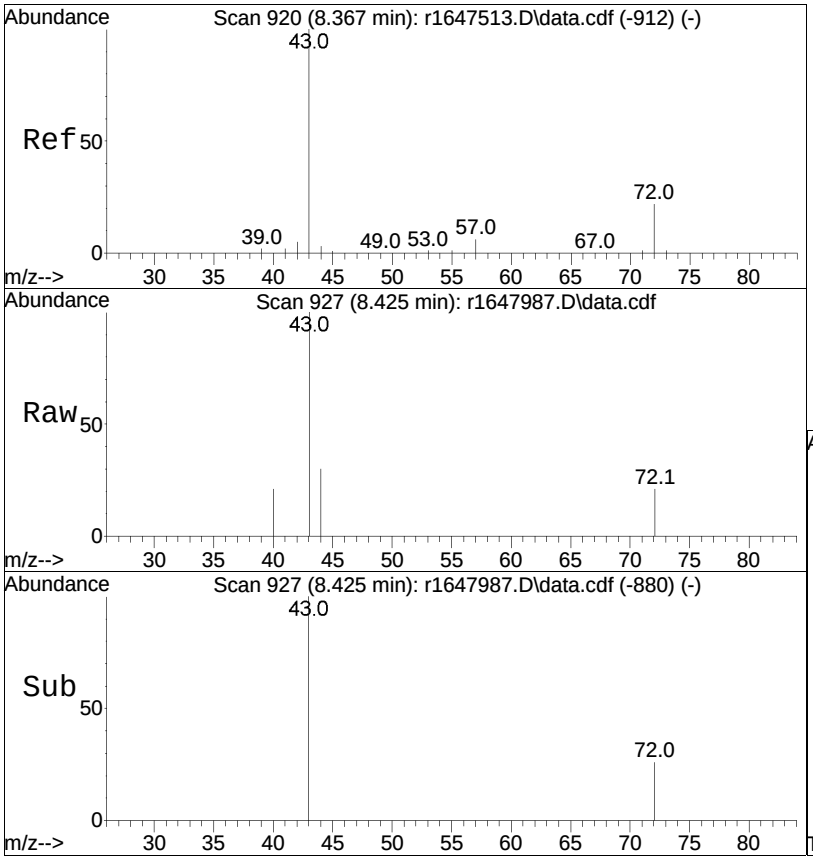


#31
Freon 113
Concen: 0.09 ppbV
RT: 6.996 min Scan# 739
Delta R.T. 0.036 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion:101 Resp: 2318

Ion	Ratio	Lower	Upper
101	100		
85	29.4	28.0	42.0
151	79.2	59.4	89.2

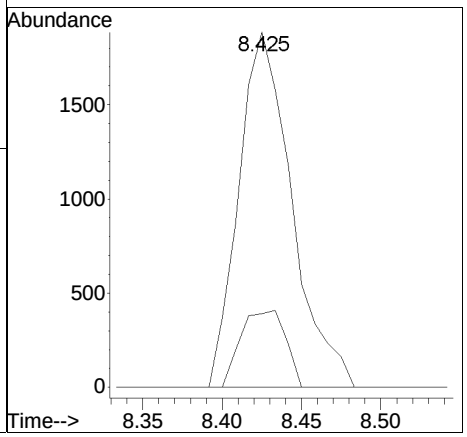


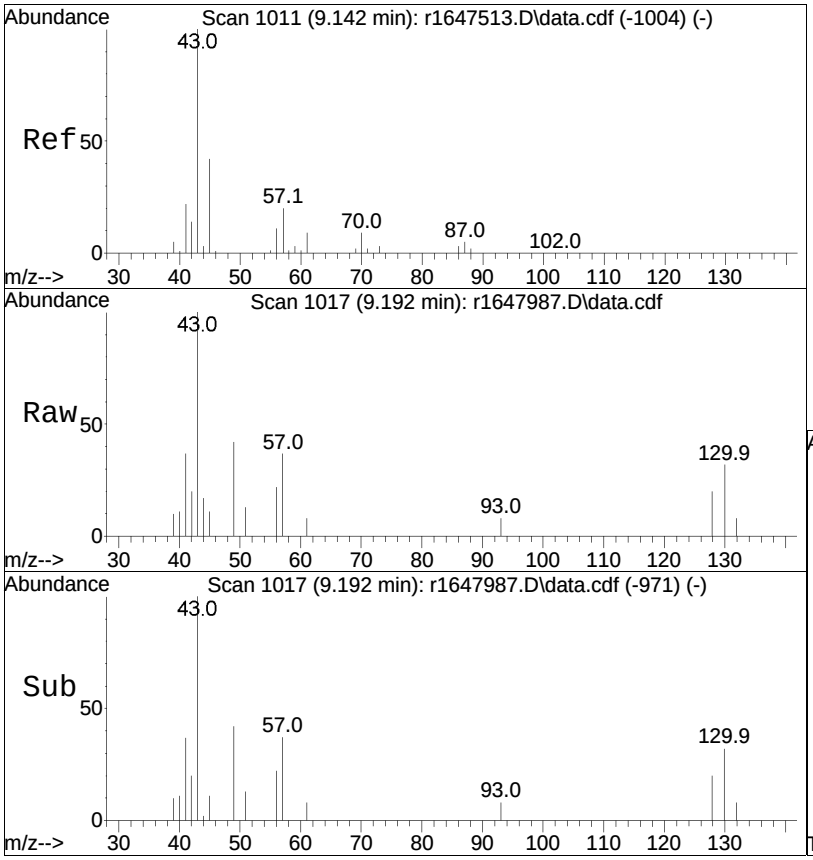


#36
2-butanone
Concen: 0.13 ppbV
RT: 8.425 min Scan# 927
Delta R.T. 0.058 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 43 Resp: 4382

Ion	Ratio	Lower	Upper
43	100		
72	20.7	17.7	26.5
57	0.0	4.6	6.8#

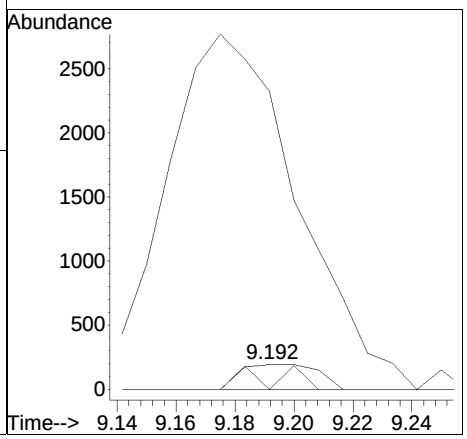


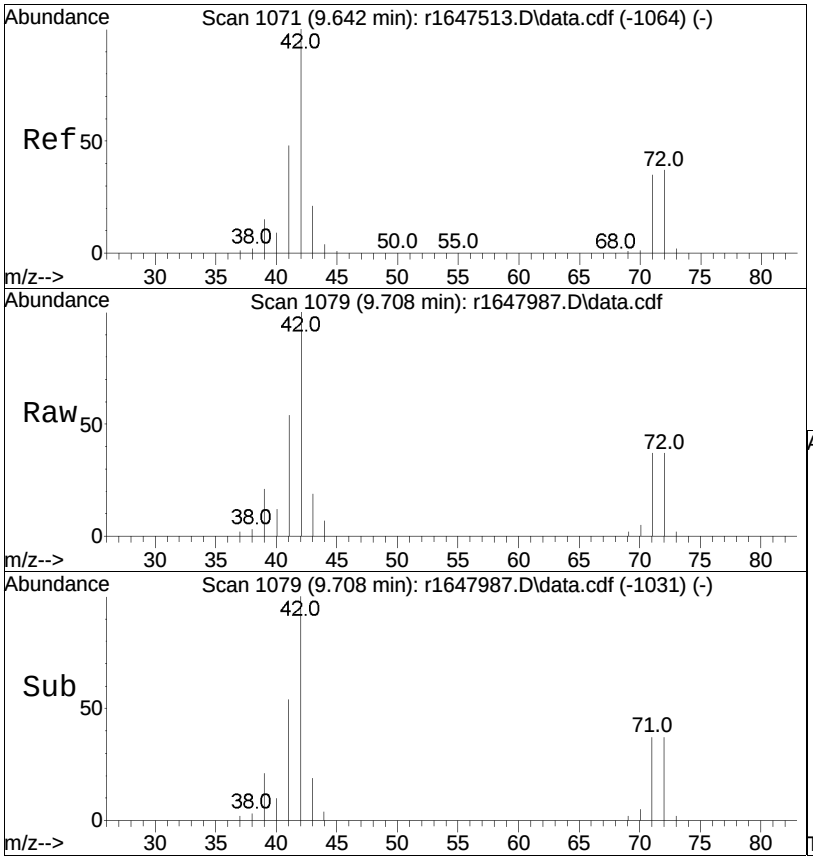


#38
Ethyl Acetate
Concen: 0.08 ppbV
RT: 9.192 min Scan# 1017
Delta R.T. 0.050 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 61 Resp: 356

Ion	Ratio	Lower	Upper
61	100		
70	0.0	80.3	120.5#
43	1203.1	925.3	1387.9

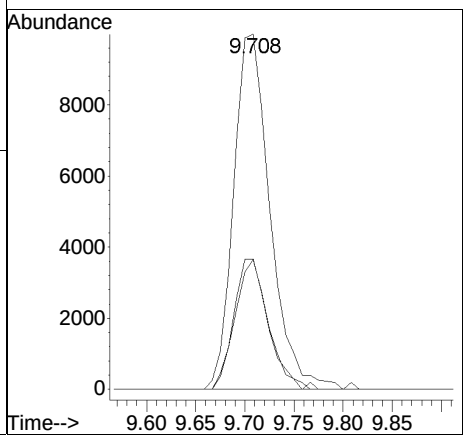


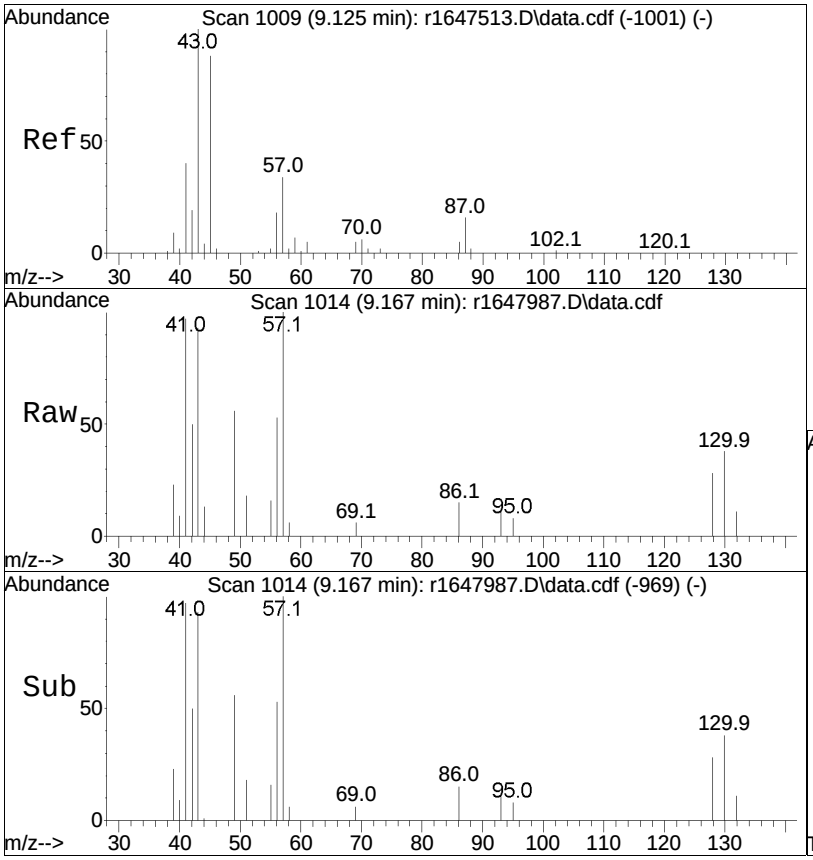


#40
Tetrahydrofuran
Concen: 1.29 ppbV
RT: 9.708 min Scan# 1079
Delta R.T. 0.067 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 42 Resp: 25879

Ion	Ratio	Lower	Upper
42	100		
71	36.5	28.2	42.2
72	36.7	29.8	44.6

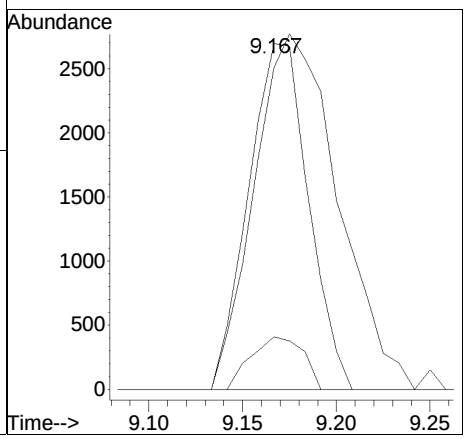


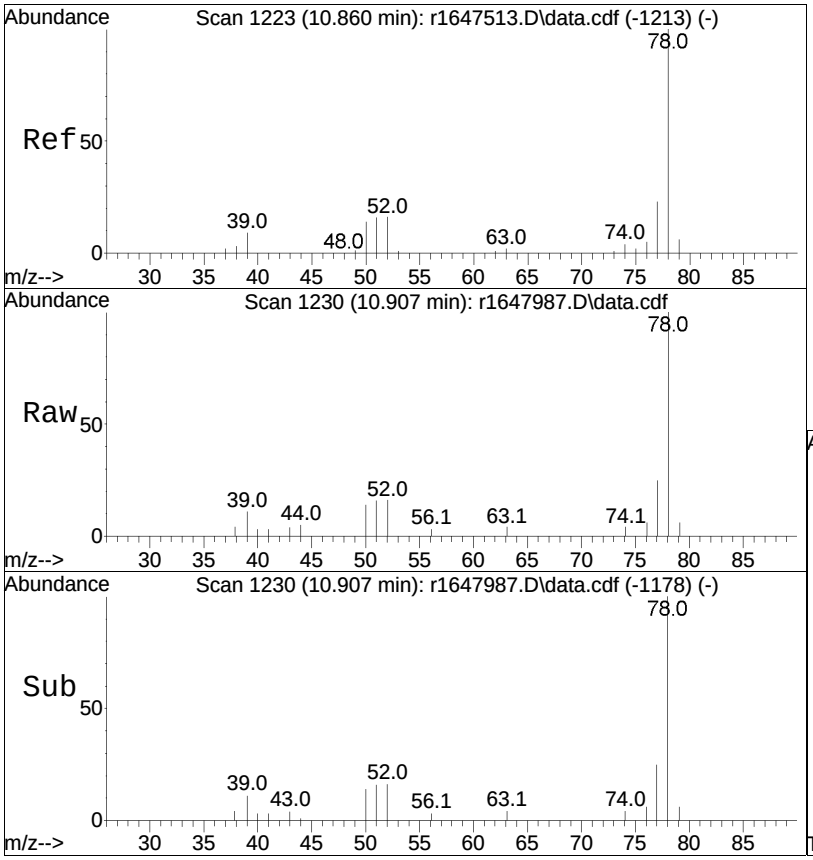


#44
hexane
Concen: 0.28 ppbV
RT: 9.167 min Scan# 1014
Delta R.T. 0.042 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 57 Resp: 5998

Ion	Ratio	Lower	Upper
57	100		
43	93.1	238.6	357.8#
86	15.2	12.3	18.5

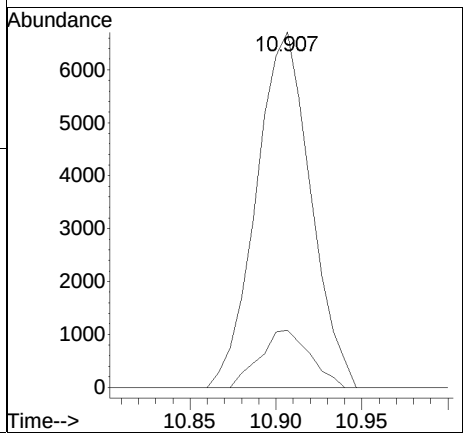


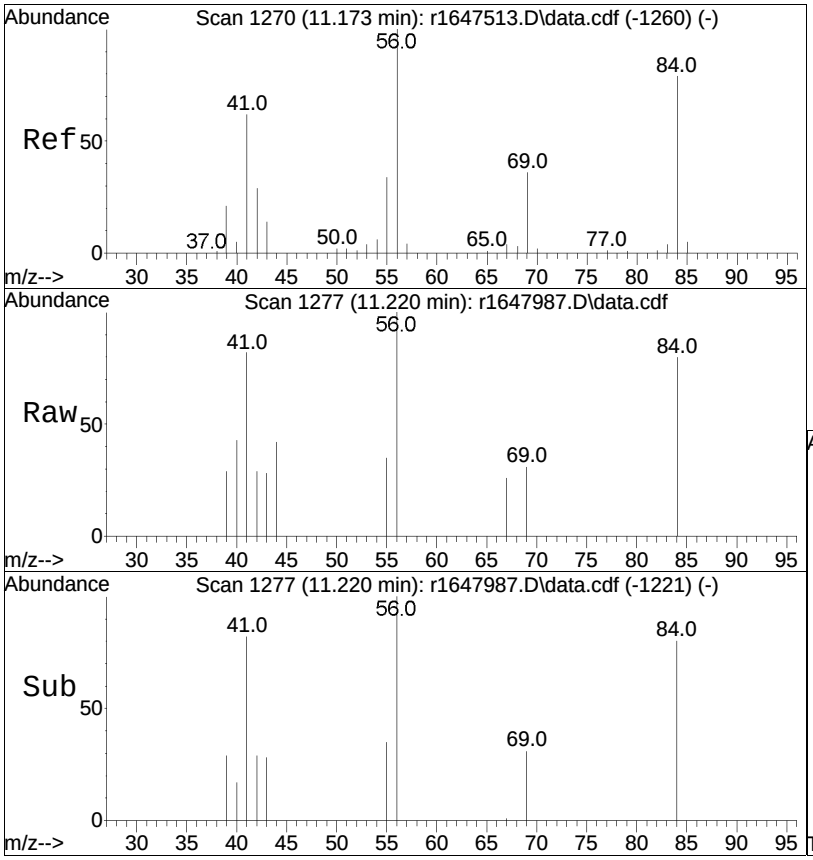


#50
benzene
Concen: 0.29 ppbV
RT: 10.907 min Scan# 1230
Delta R.T. 0.047 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 78 Resp: 14751

Ion	Ratio	Lower	Upper
78	100		
52	16.1	12.5	18.7

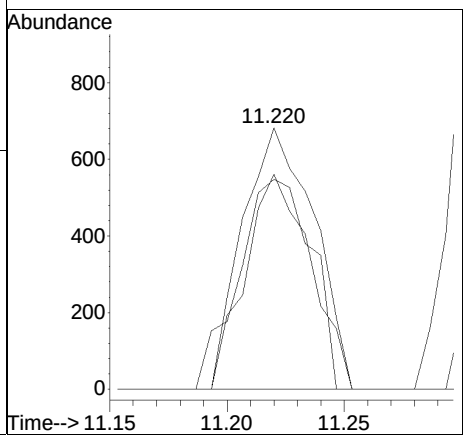


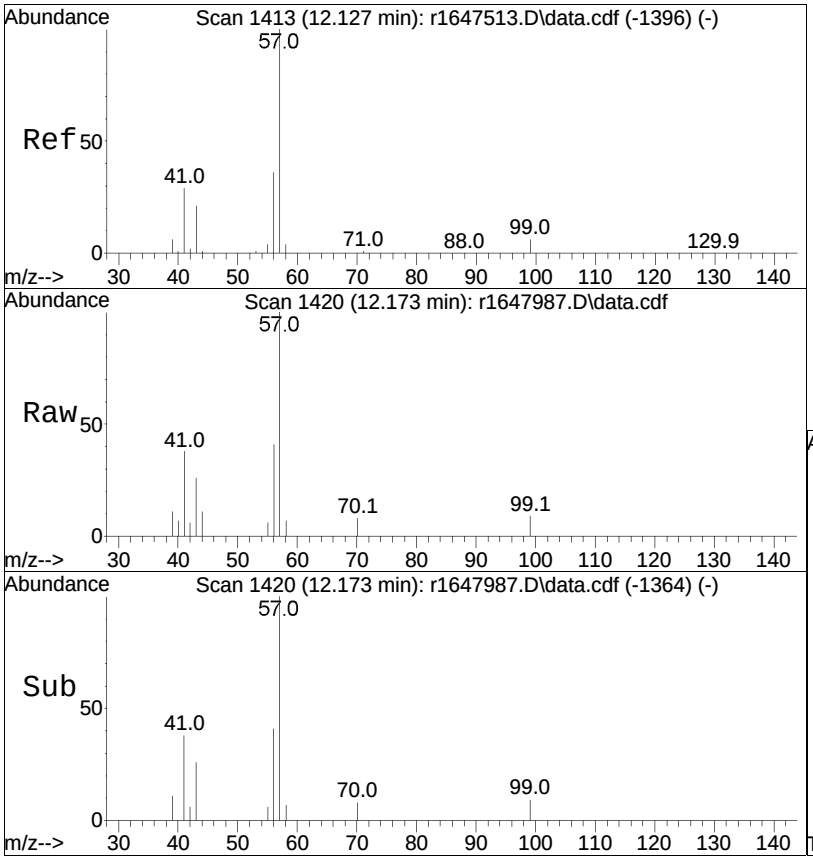


#53
cyclohexane
Concen: 0.06 ppbV
RT: 11.220 min Scan# 1277
Delta R.T. 0.047 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 56 Resp: 1448

Ion	Ratio	Lower	Upper
56	100		
84	80.4	63.4	95.0
41	82.3	49.8	74.6#

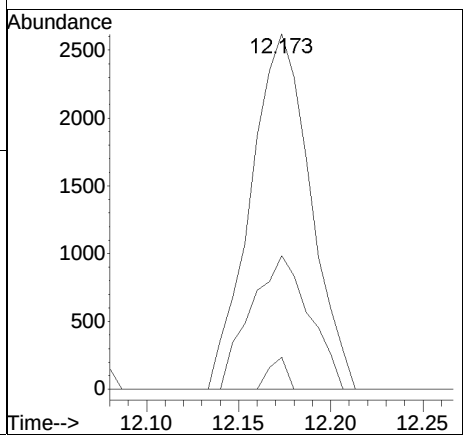


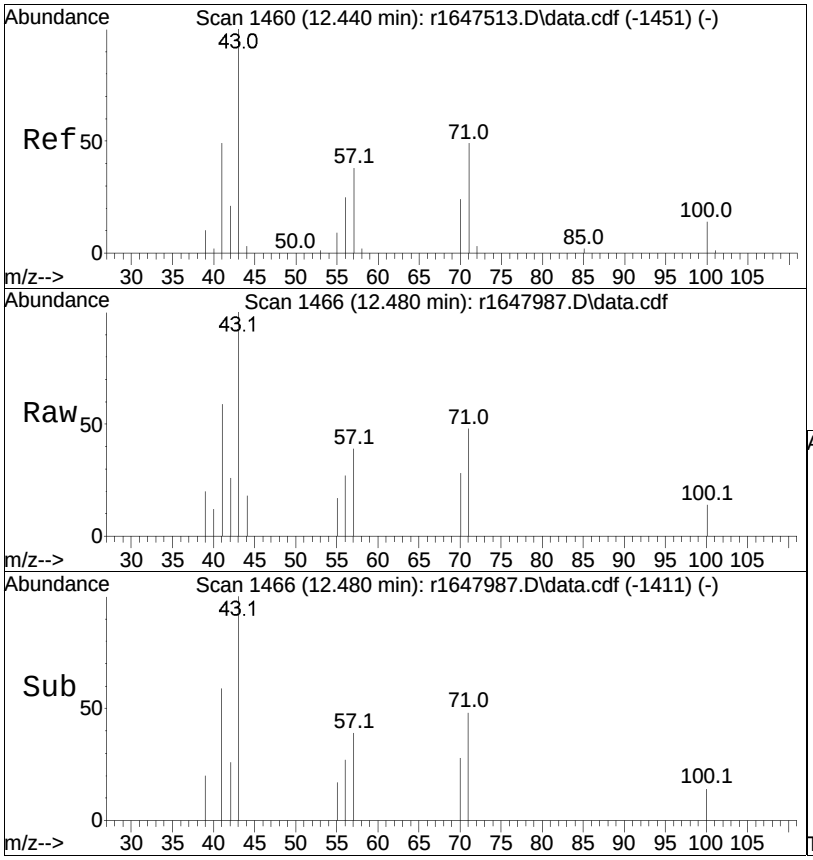


#60
2,2,4-trimethylpentane
Concen: 0.08 ppbV
RT: 12.173 min Scan# 1420
Delta R.T. 0.047 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 57 Resp: 5921

Ion	Ratio	Lower	Upper
57	100		
99	9.0	4.6	7.0#
41	37.6	23.0	34.6#

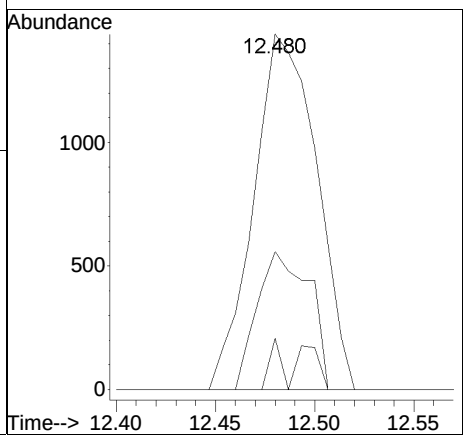


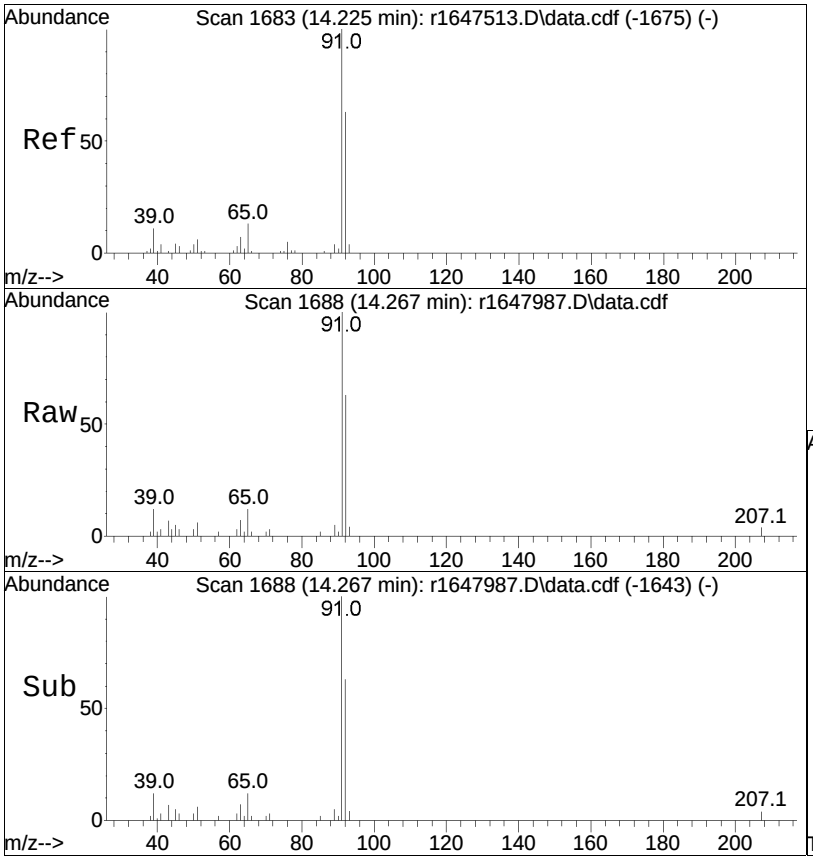


#62
heptane
Concen: 0.09 ppbV
RT: 12.480 min Scan# 1466
Delta R.T. 0.040 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 43 Resp: 3175

Ion	Ratio	Lower	Upper
43	100		
57	38.8	30.5	45.7
100	14.4	11.1	16.7

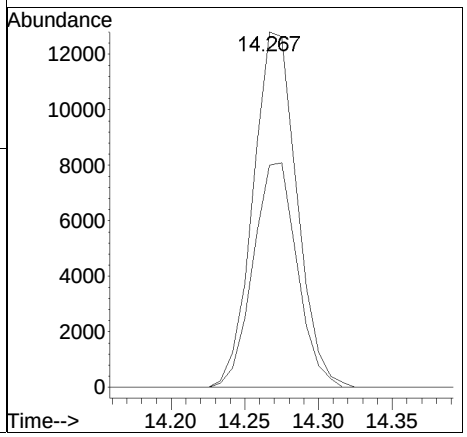


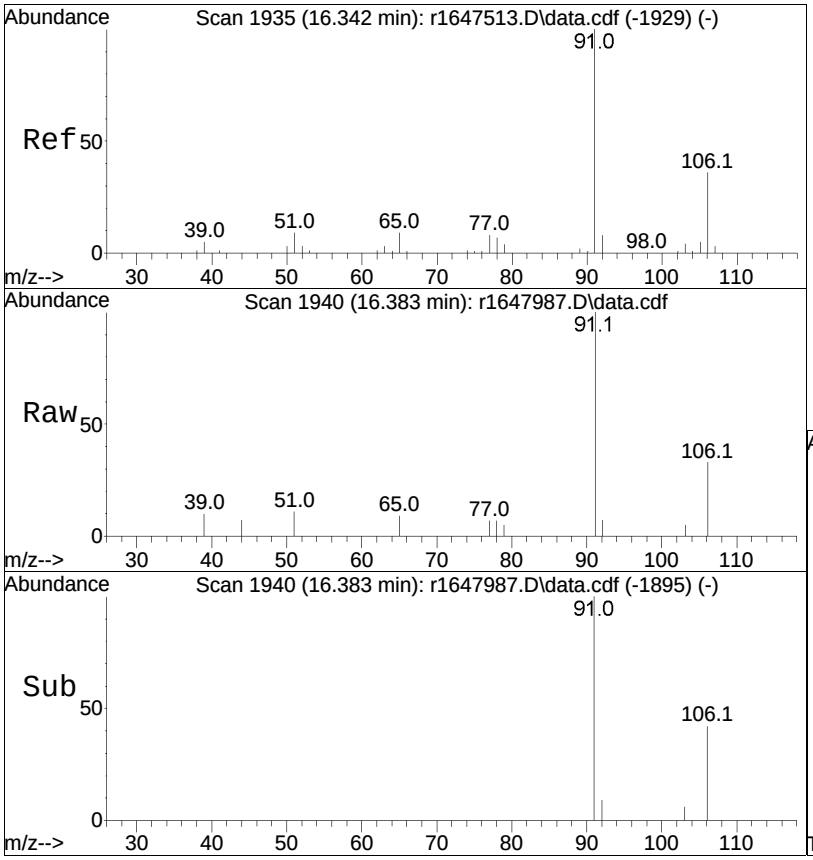


#68
toluene
Concen: 0.45 ppbV
RT: 14.267 min Scan# 1688
Delta R.T. 0.042 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 91 Resp: 26499

Ion	Ratio	Lower	Upper
91	100		
92	62.5	50.8	76.2

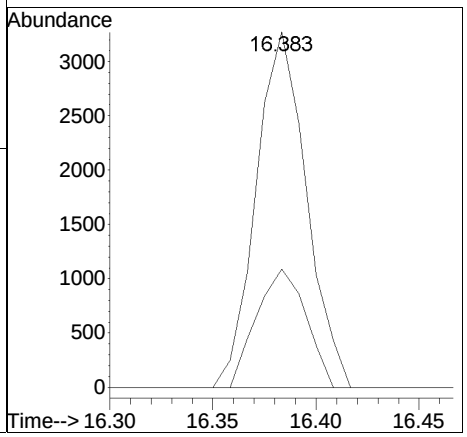


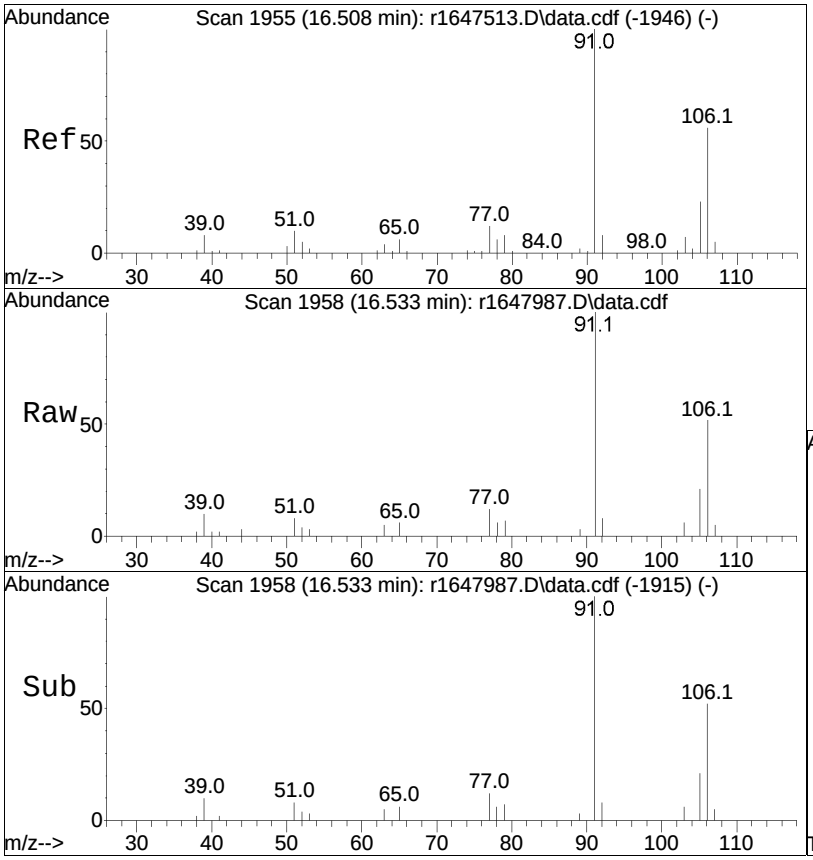


#81
ethylbenzene
Concen: 0.08 ppbV
RT: 16.383 min Scan# 1940
Delta R.T. 0.042 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 91 Resp: 5552

Ion	Ratio	Lower	Upper
91	100		
106	33.3	29.0	43.6

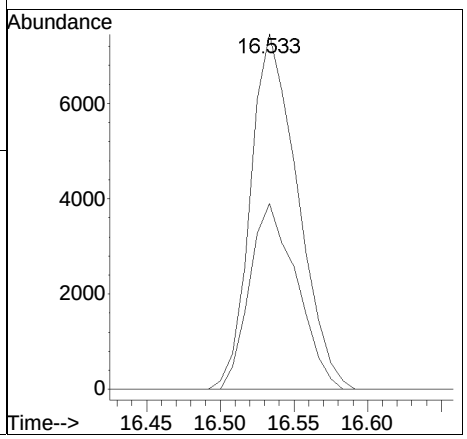


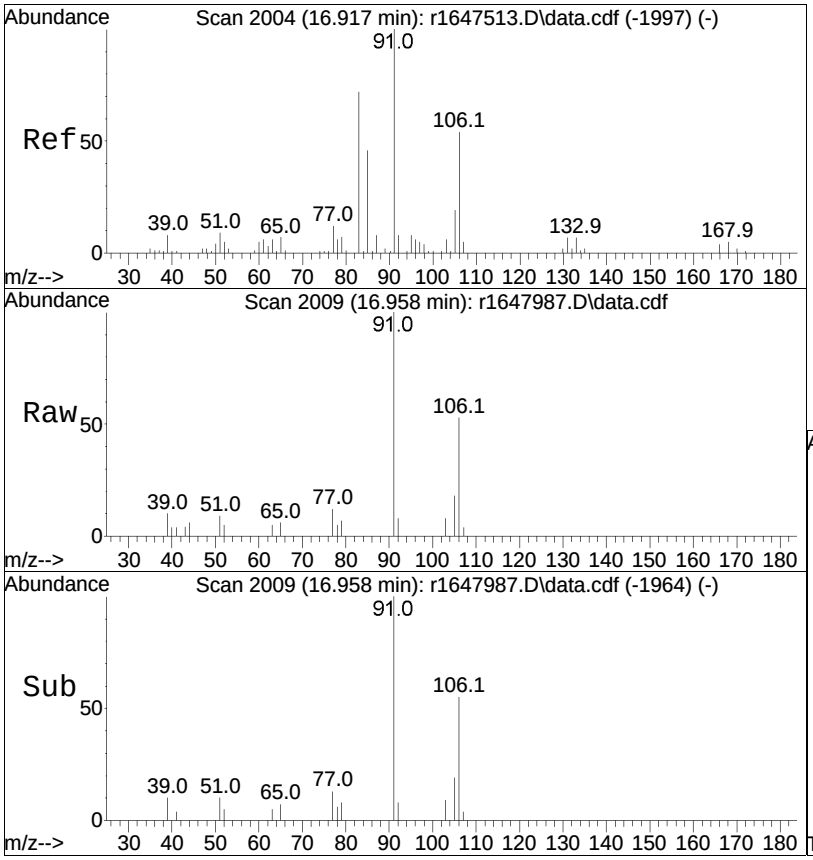


#83
m+p-xylene
Concen: 0.28 ppbV
RT: 16.533 min Scan# 1958
Delta R.T. 0.025 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 91 Resp: 16558

Ion	Ratio	Lower	Upper
91	100		
106	52.3	45.0	67.4

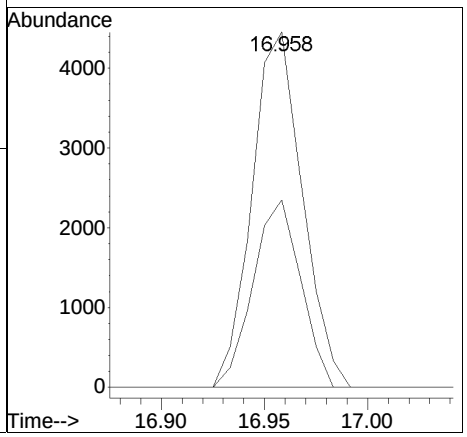


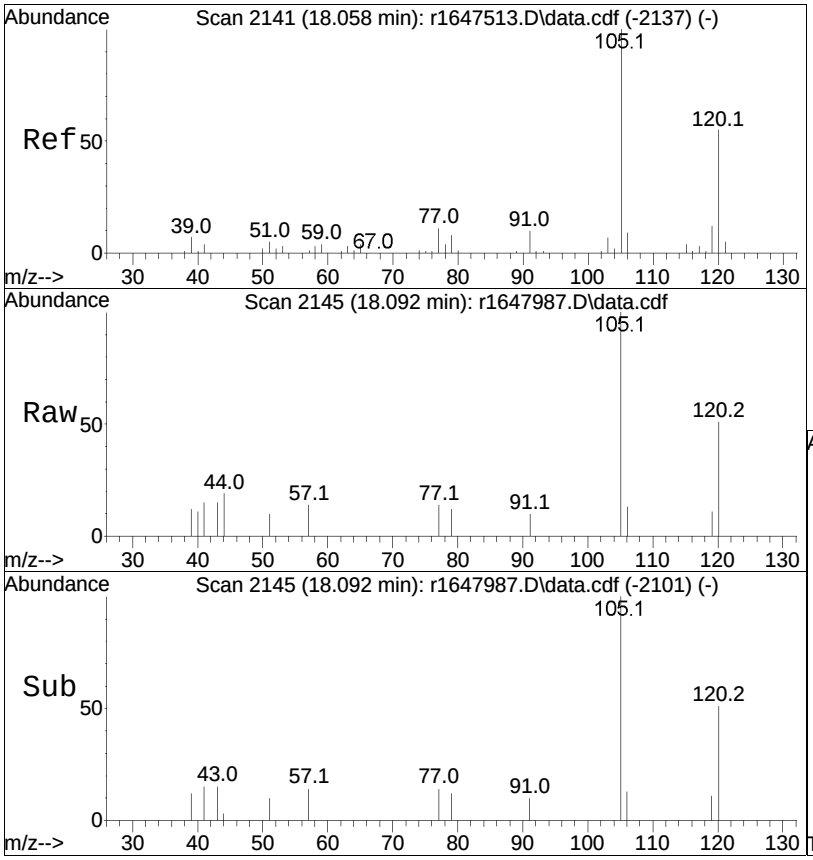


#87
o-xylene
Concen: 0.13 ppbV
RT: 16.958 min Scan# 2009
Delta R.T. 0.042 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 91 Resp: 7583

Ion	Ratio	Lower	Upper
91	100		
106	52.8	43.2	64.8

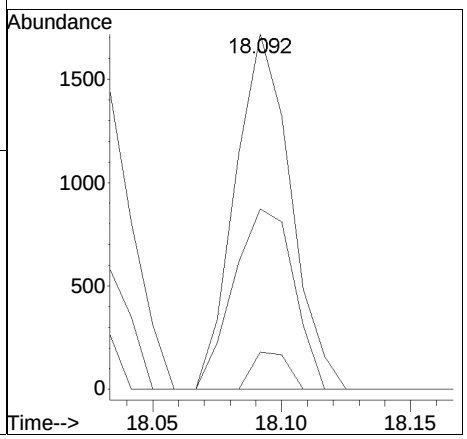


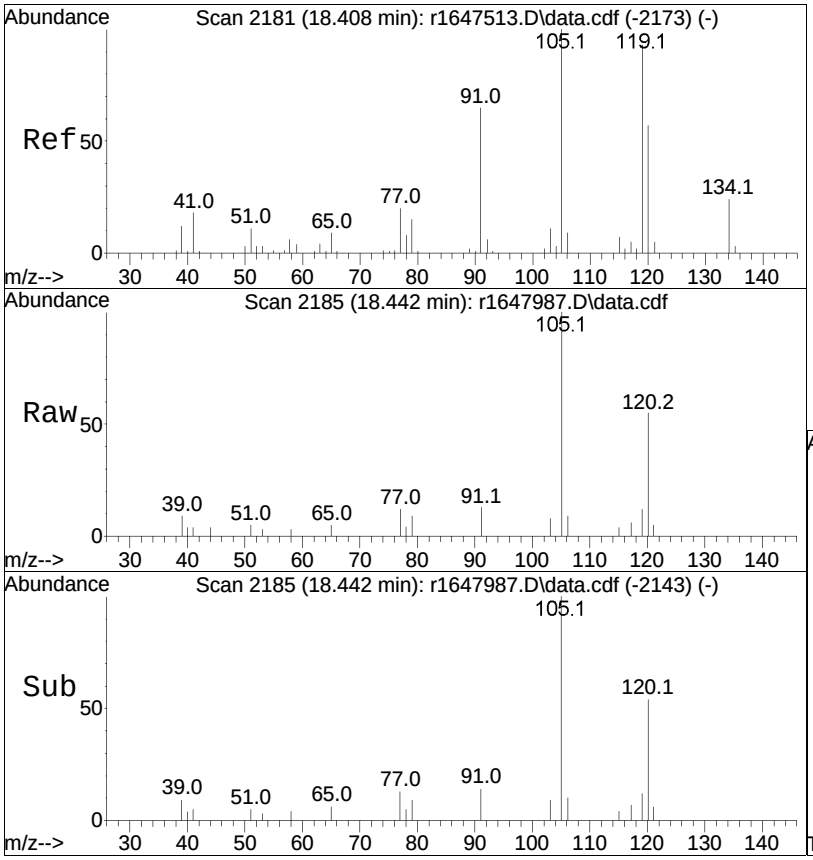


#97
1,3,5-trimethylbenzene
Concen: 0.04 ppbV
RT: 18.092 min Scan# 2145
Delta R.T. 0.033 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion:105 Resp: 2582

Ion	Ratio	Lower	Upper
105	100		
120	50.8	44.2	66.2
91	10.5	7.7	11.5

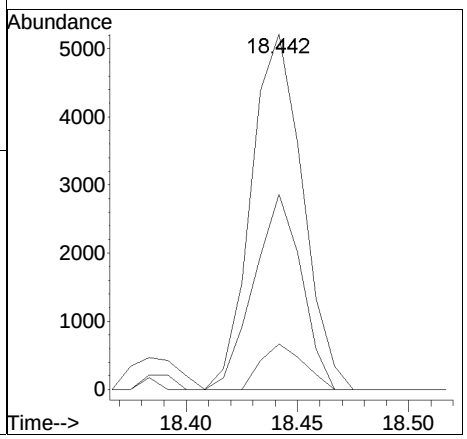


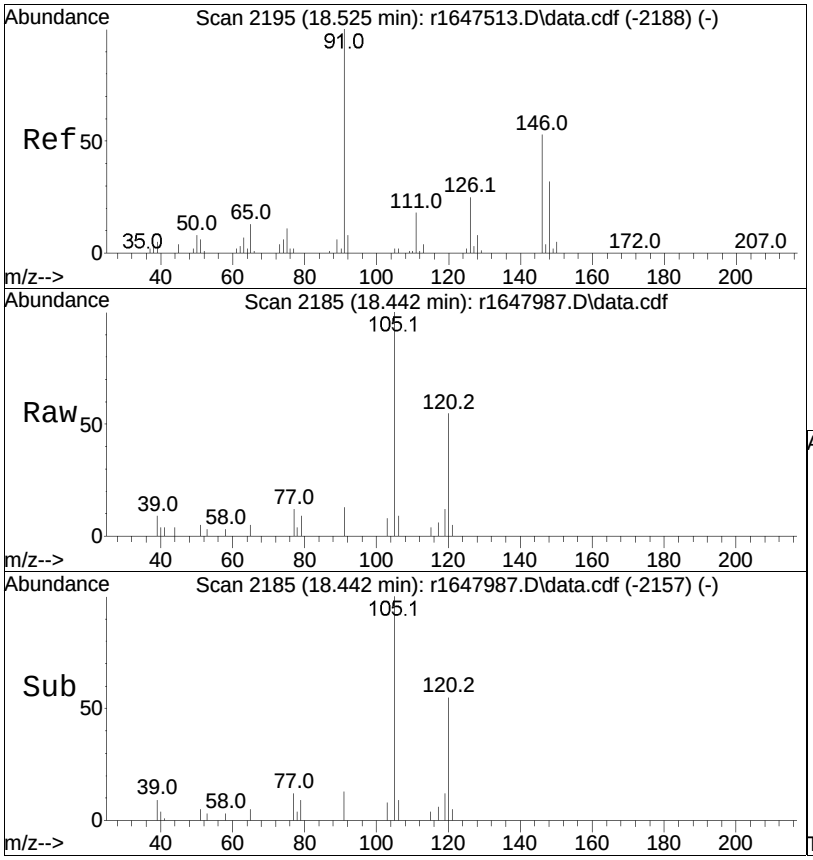


#99
1,2,4-trimethylbenzene
Concen: 0.12 ppbV m
RT: 18.442 min Scan# 2185
Delta R.T. 0.033 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion:105 Resp: 8378

Ion	Ratio	Lower	Upper
105	100		
120	54.9	45.9	68.9
91	12.8	51.9	77.9#

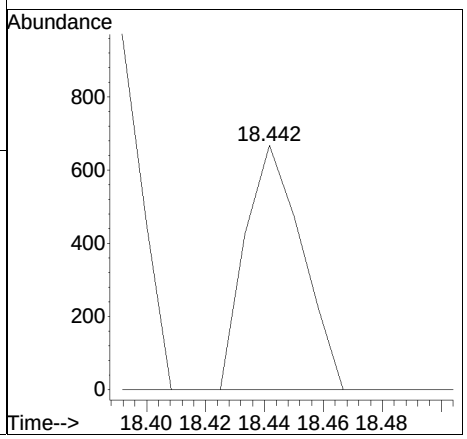




#101
Benzyl Chloride
Concen: 0.03 ppbV
RT: 18.442 min Scan# 2185
Delta R.T. -0.083 min
Lab File: r1647987.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion: 91 Resp: 894

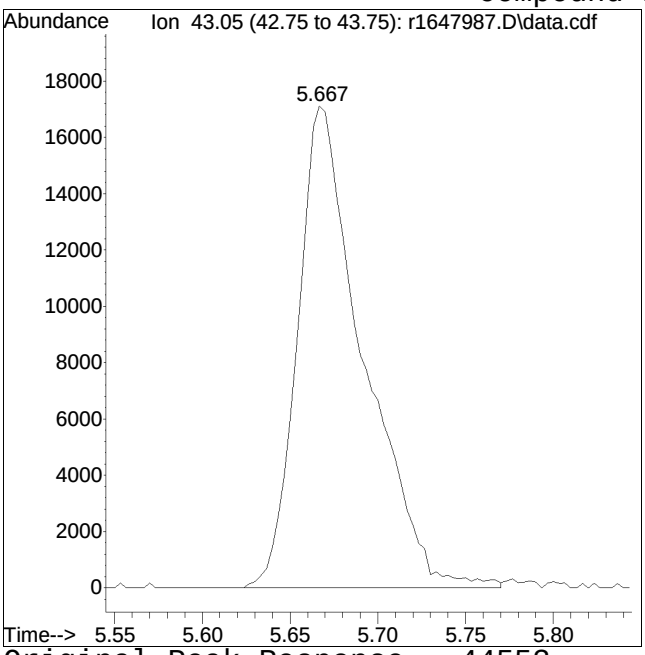
Ion	Ratio	Lower	Upper
91	100		
126	0.0	19.6	29.4#



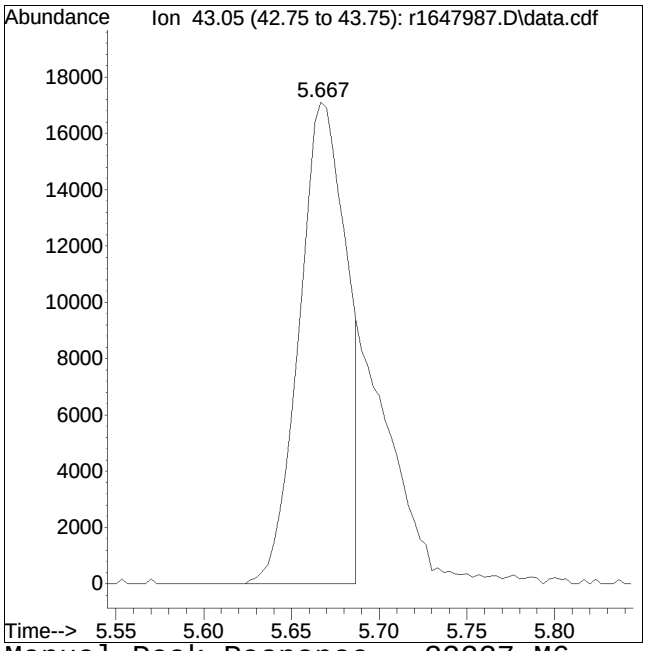
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647987.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 6:13 PM Instrument :
Sample : L2500525-04,3,250,250 Quant Date : 1/19/2025 11:58 am

Compound #19: acetone



Original Peak Response = 44553



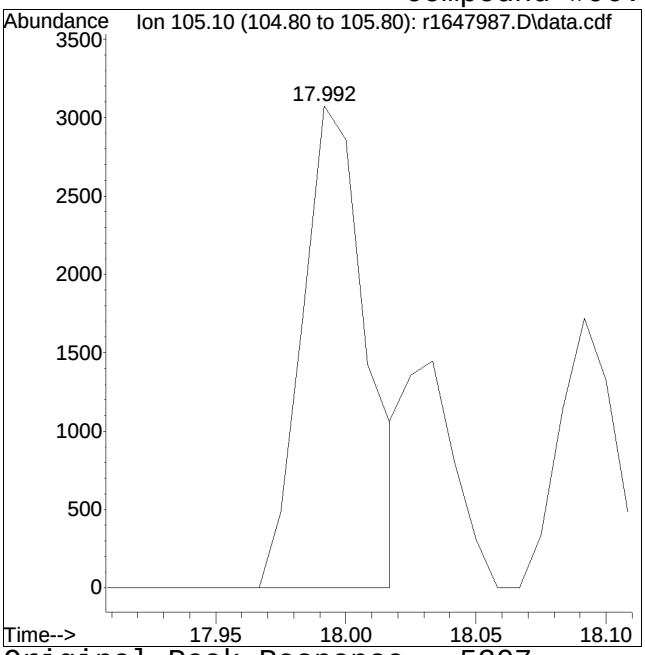
Manual Peak Response = 32237 M6

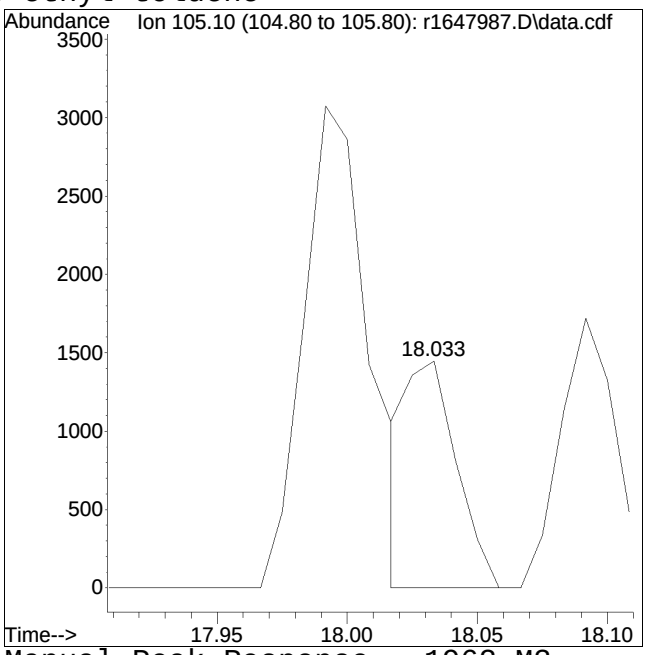
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647987.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 6:13 PM Instrument :
Sample : L2500525-04,3,250,250 Quant Date : 1/19/2025 11:58 am

Compound #96: 4-ethyl toluene





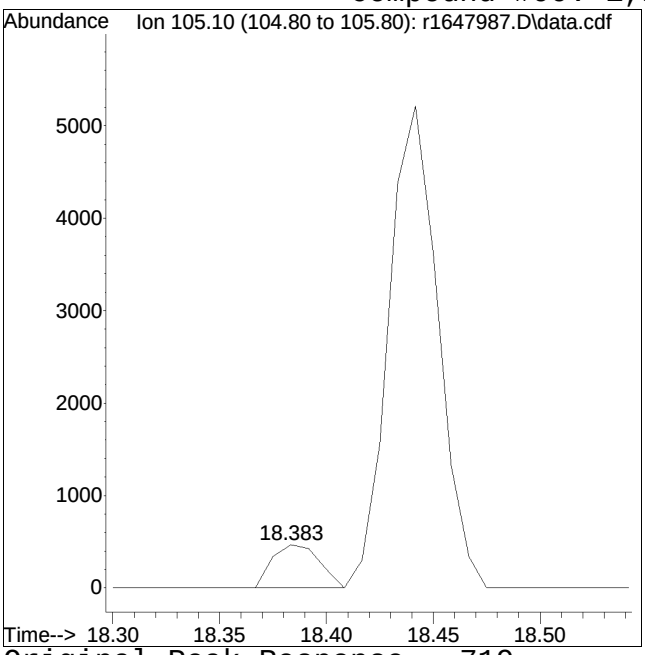
Original Peak Response = 5307 Manual Peak Response = 1962 M3

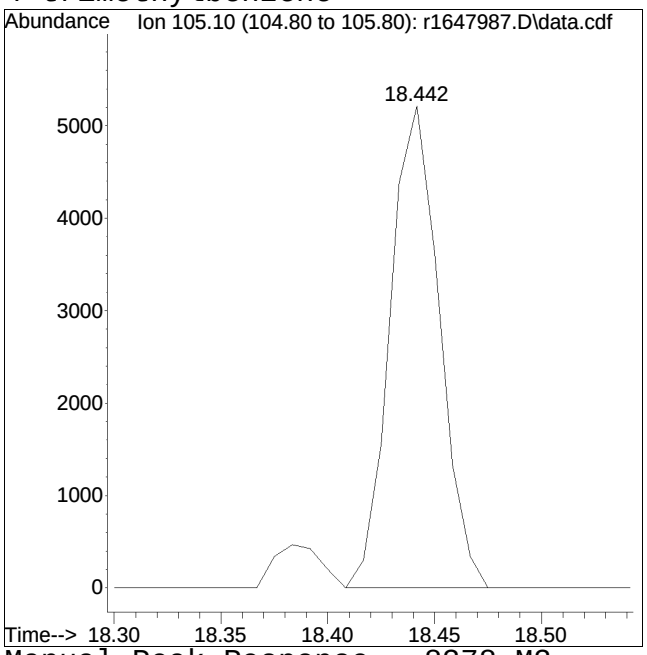
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647987.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 6:13 PM Instrument :
Sample : L2500525-04,3,250,250 Quant Date : 1/19/2025 11:58 am

Compound #99: 1,2,4-trimethylbenzene





Original Peak Response = 719 Manual Peak Response = 8378 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647989.D
Acq On : 18 Jan 2025 7:33 PM
Operator : AIRLAB16:BJB
Sample : L2500525-01,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:03:20 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.108	49	259646	10.000	ppbV	0.05
Standard Area = 258084			Recovery = 100.61%			
43) 1,4-difluorobenzene	11.327	114	705136	10.000	ppbV	0.05
Standard Area = 704126			Recovery = 100.14%			
67) chlorobenzene-D5	16.008	54	97754	10.000	ppbV	0.03
Standard Area = 97914			Recovery = 99.84%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	4.006	85	14581	0.624	ppbV	94
6) chloromethane	4.168	50	8405	0.666	ppbV	97
7) Freon-114	4.276		0	N.D.		
10) 1,3-butadiene	4.552		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	5.158	31	4056016	466.195	ppbV	95
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.667	43	147026M6	10.060	ppbV	
21) trichlorofluoromethane	5.860	101	5115	0.280	ppbV	84
22) isopropyl alcohol	5.953	45	498431	19.590	ppbV	98
27) tertiary butyl alcohol	6.618	59	7284	0.384	ppbV #	85
28) methylene chloride	6.702	49	2814	0.158	ppbV	99
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	7.008	76	1506	0.033	ppbV #	1
31) Freon 113	7.002	101	2385	0.091	ppbV	96
32) trans-1,2-dichloroethene	7.750	61	860	0.047	ppbV	96
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.		
36) 2-butanone	8.425	43	7466	0.218	ppbV #	97
38) Ethyl Acetate	9.192	61	1299	0.291	ppbV	64
39) chloroform	9.258	83	18039	0.763	ppbV	94
40) Tetrahydrofuran	9.708	42	9680	0.481	ppbV	88
42) 1,2-dichloroethane	10.083		0	N.D.		
44) hexane	9.175	57	7483	0.345	ppbV #	21
50) benzene	10.907	78	8444	0.167	ppbV	97
53) cyclohexane	11.227	56	1608	0.070	ppbV	89
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647989.D
Acq On : 18 Jan 2025 7:33 PM
Operator : AIRLAB16:BJB
Sample : L2500525-01,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:03:20 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : TO15-NY+NAPH-7-SIM - .

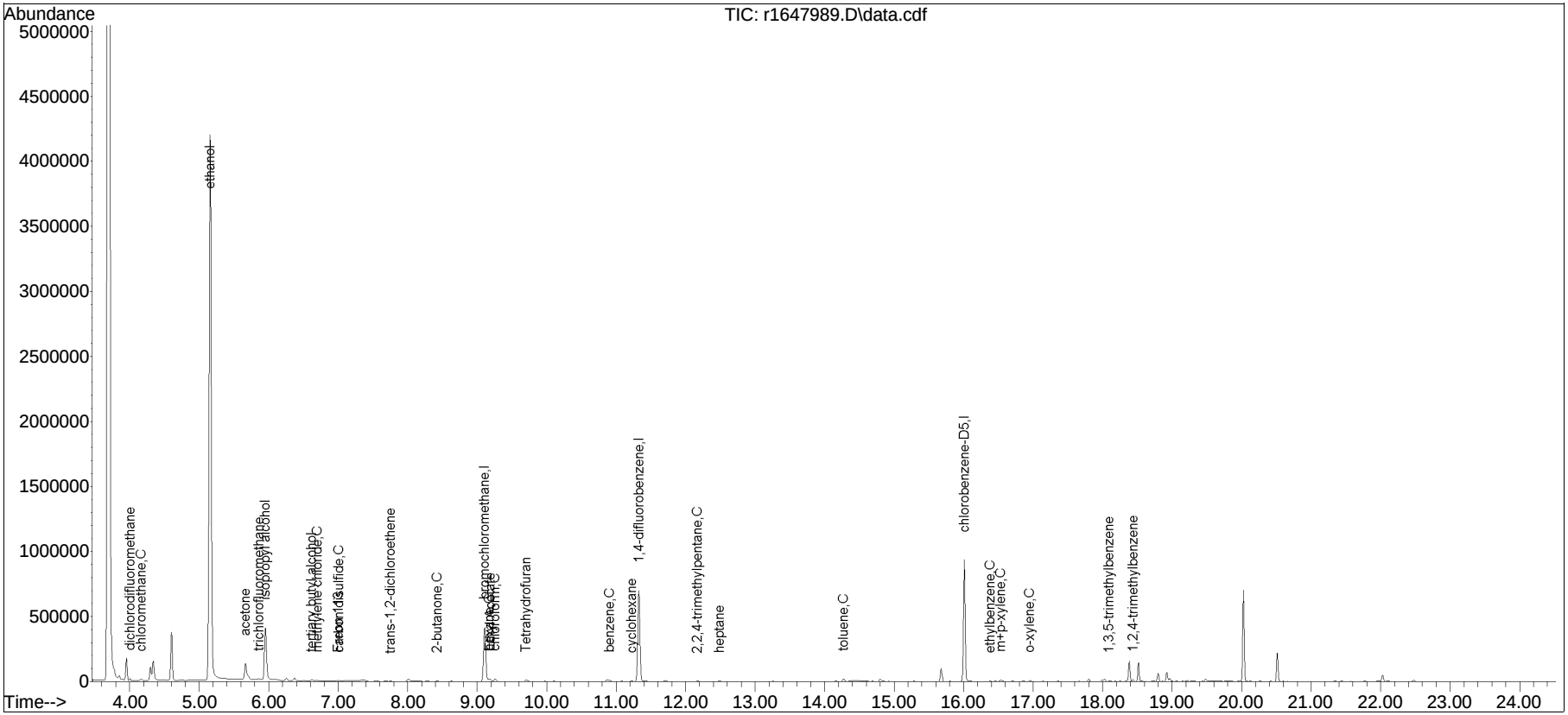
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	12.080		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	12.173	57	3135	0.044	ppbV #	85
62) heptane	12.487	43	3859	0.112	ppbV	95
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	13.150		0	N.D.		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.275	91	15572	0.258	ppbV	96
72) 2-hexanone	14.483		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	16.383	91	3191	0.042	ppbV #	86
83) m+p-xylene	16.533	91	9875	0.165	ppbV	98
84) bromoform	0.000		0	N.D.		
85) styrene	16.867		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.950	91	5858	0.096	ppbV	91
96) 4-ethyl toluene	18.025		0	N.D.		
97) 1,3,5-trimethylbenzene	18.092	105	2197	0.031	ppbV #	93
99) 1,2,4-trimethylbenzene	18.442	105	6561M3	0.095	ppbV	
101) Benzyl Chloride	18.442		0	N.D.		
102) 1,3-dichlorobenzene	18.633		0	N.D.		
103) 1,4-dichlorobenzene	18.633		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.592		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

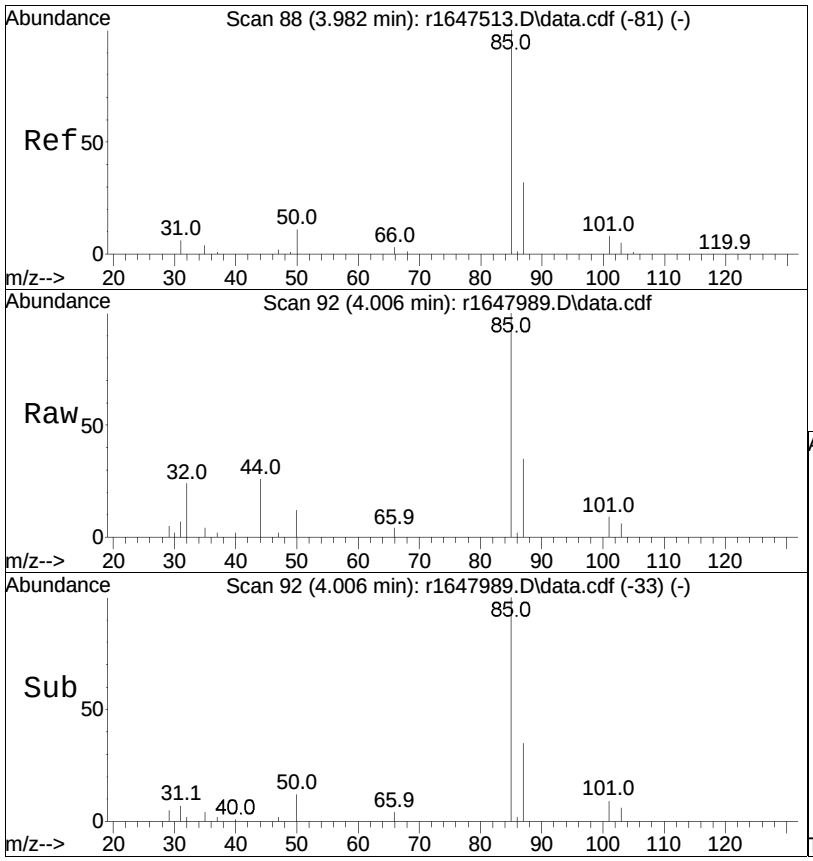
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .6\2025\01\0118T\r1647982.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647989.D
Acq On : 18 Jan 2025 7:33 PM
Operator : AIRLAB16:BJB
Sample : L2500525-01,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:03:20 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

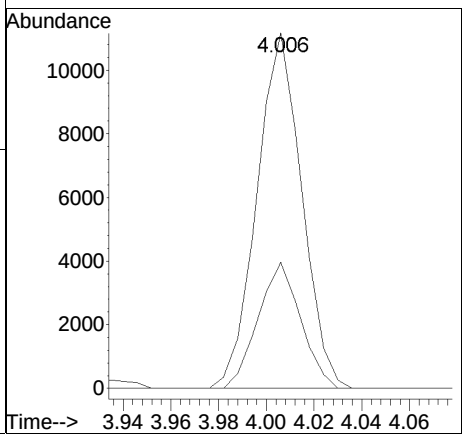


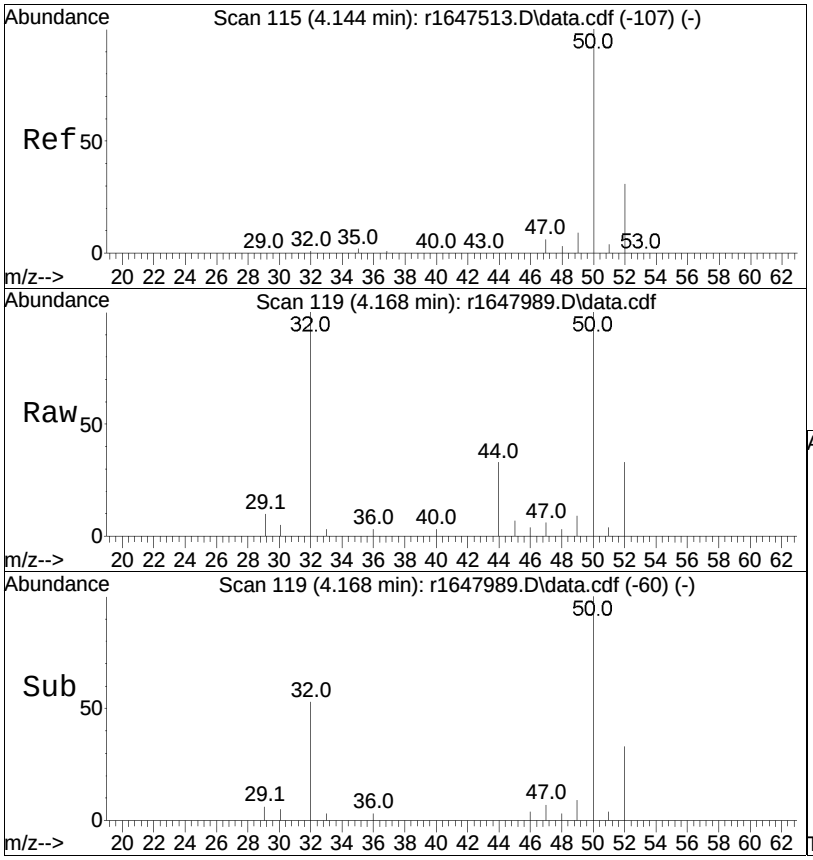


#5
dichlorodifluoromethane
Concen: 0.62 ppbV
RT: 4.006 min Scan# 92
Delta R.T. 0.024 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 85 Resp: 14581

Ion	Ratio	Lower	Upper
85	100		
87	35.5	25.5	38.3

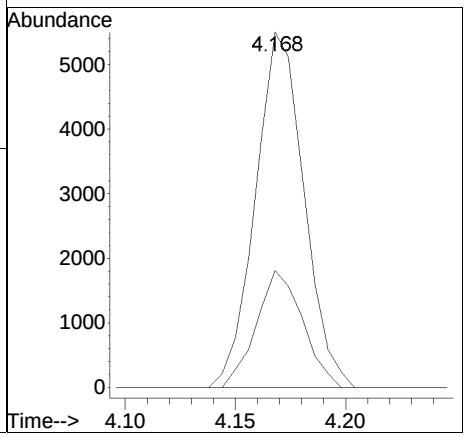


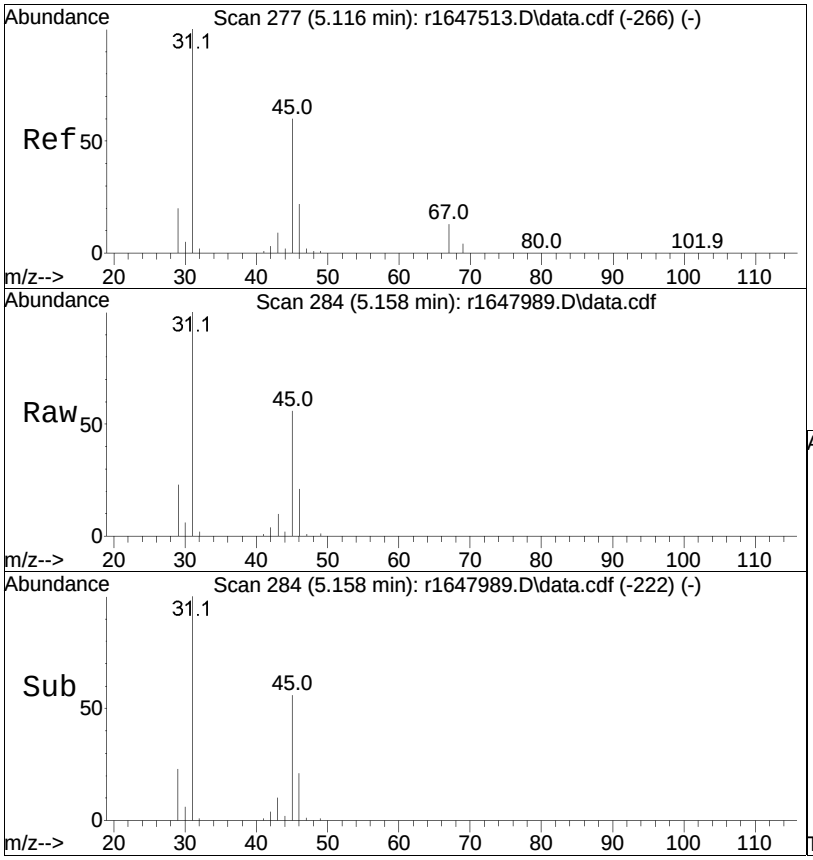


#6
chloromethane
Concen: 0.67 ppbV
RT: 4.168 min Scan# 119
Delta R.T. 0.024 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 50 Resp: 8405

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.2	37.8

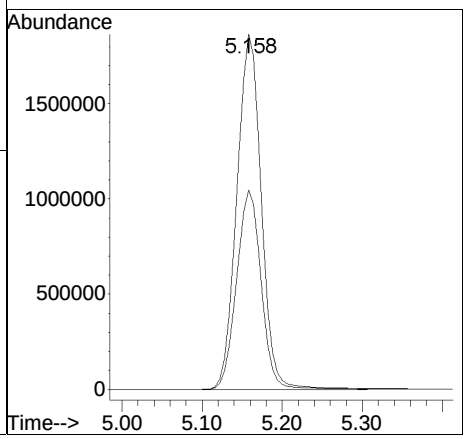


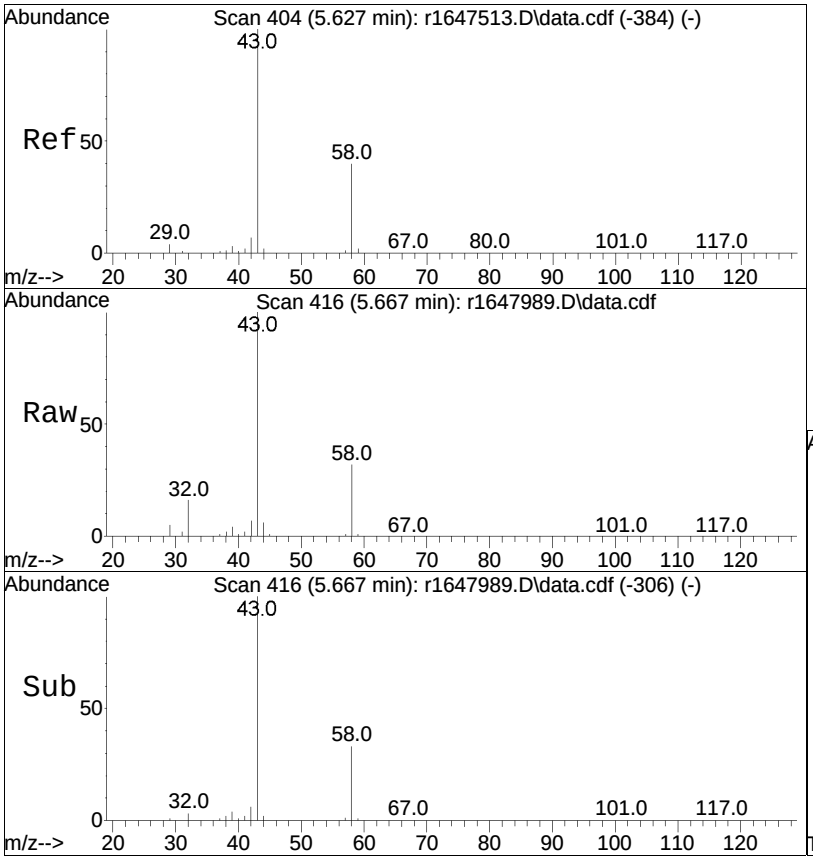


#15
ethanol
Concen: 466.20 ppbV
RT: 5.158 min Scan# 284
Delta R.T. 0.042 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 31 Resp: 4056016

Ion	Ratio	Lower	Upper
31	100		
45	56.1	47.8	71.8

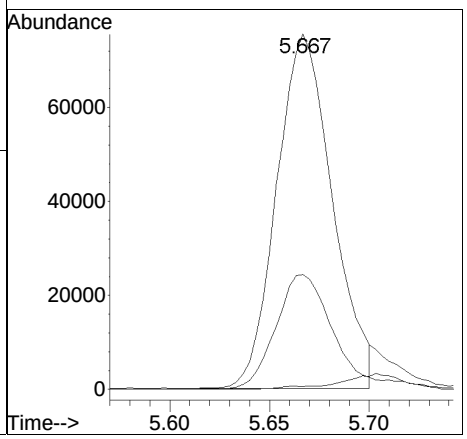


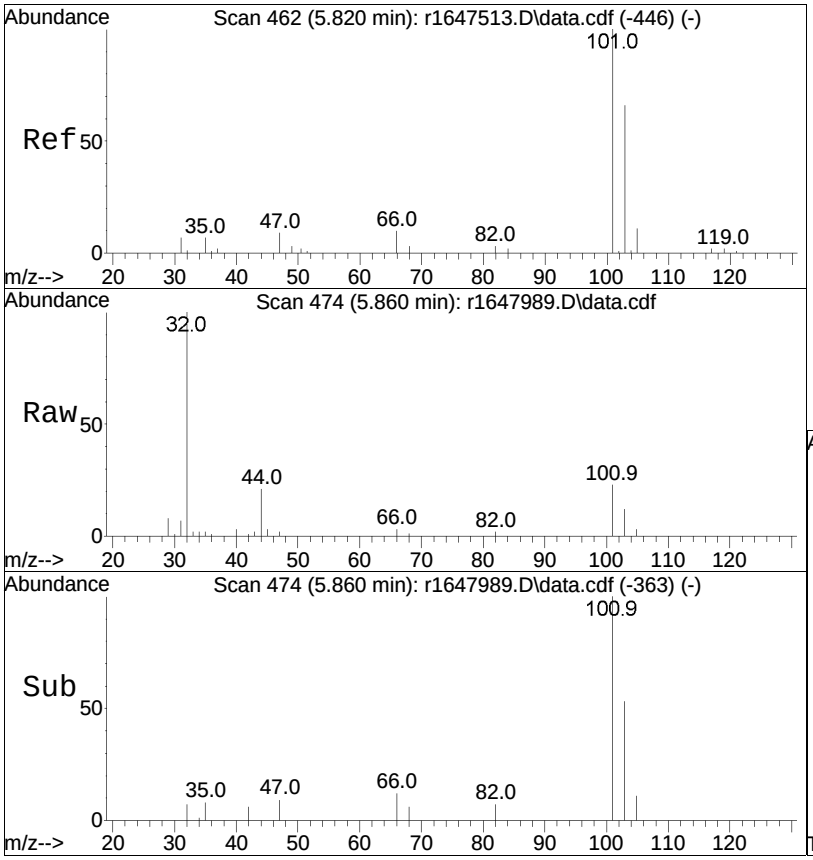


#19
acetone
Concen: 10.06 ppbV m
RT: 5.667 min Scan# 416
Delta R.T. 0.040 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 43 Resp: 147026

Ion	Ratio	Lower	Upper
43	100		
58	32.3	32.1	48.1
57	0.8	0.9	1.3#

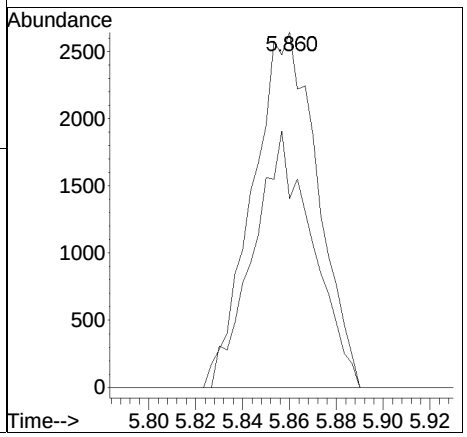


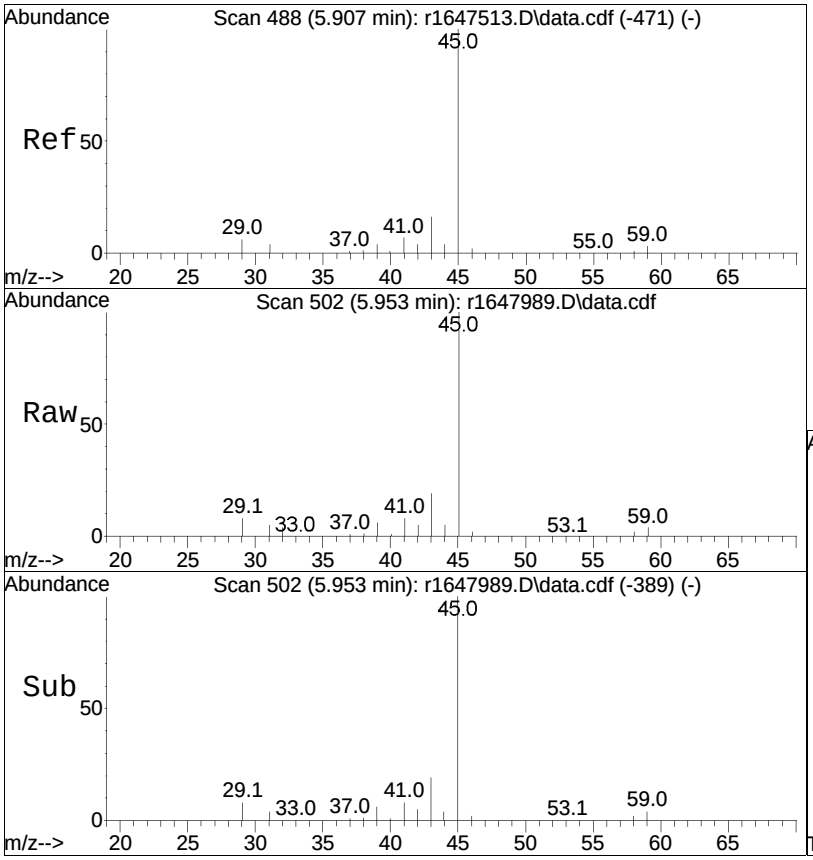


#21
trichlorofluoromethane
Concen: 0.28 ppbV
RT: 5.860 min Scan# 474
Delta R.T. 0.040 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion:101 Resp: 5115

Ion	Ratio	Lower	Upper
101	100		
103	53.1	52.6	78.8

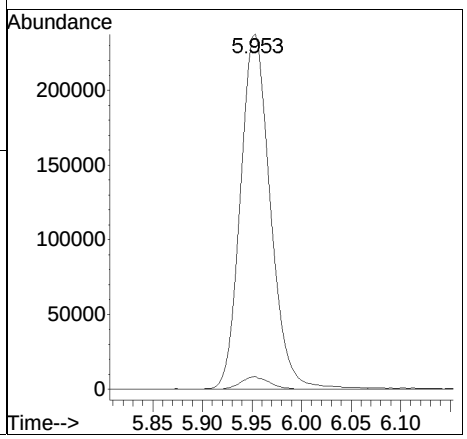


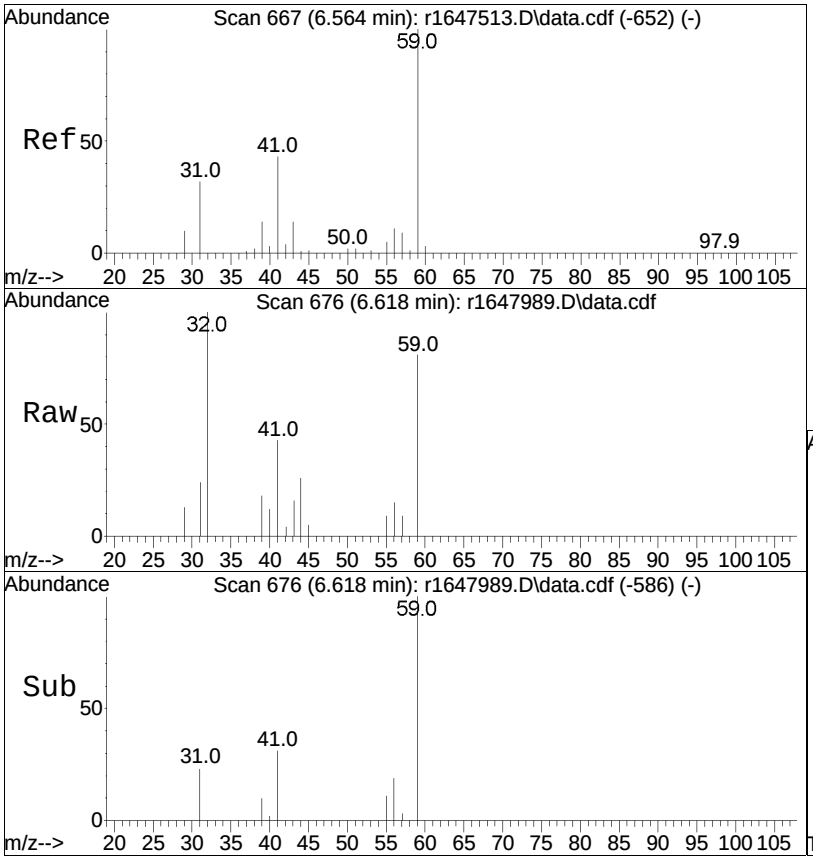


#22
isopropyl alcohol
Concen: 19.59 ppbV
RT: 5.953 min Scan# 502
Delta R.T. 0.047 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 45 Resp: 498431

Ion	Ratio	Lower	Upper
45	100		
59	3.7	2.5	3.7

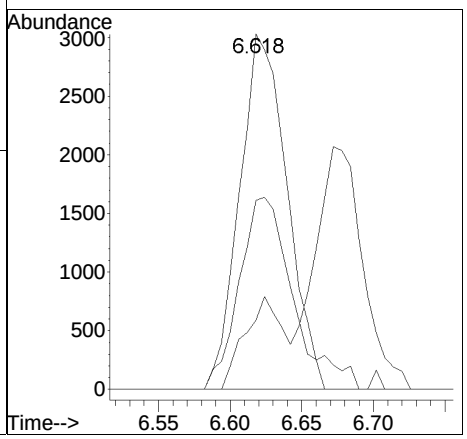


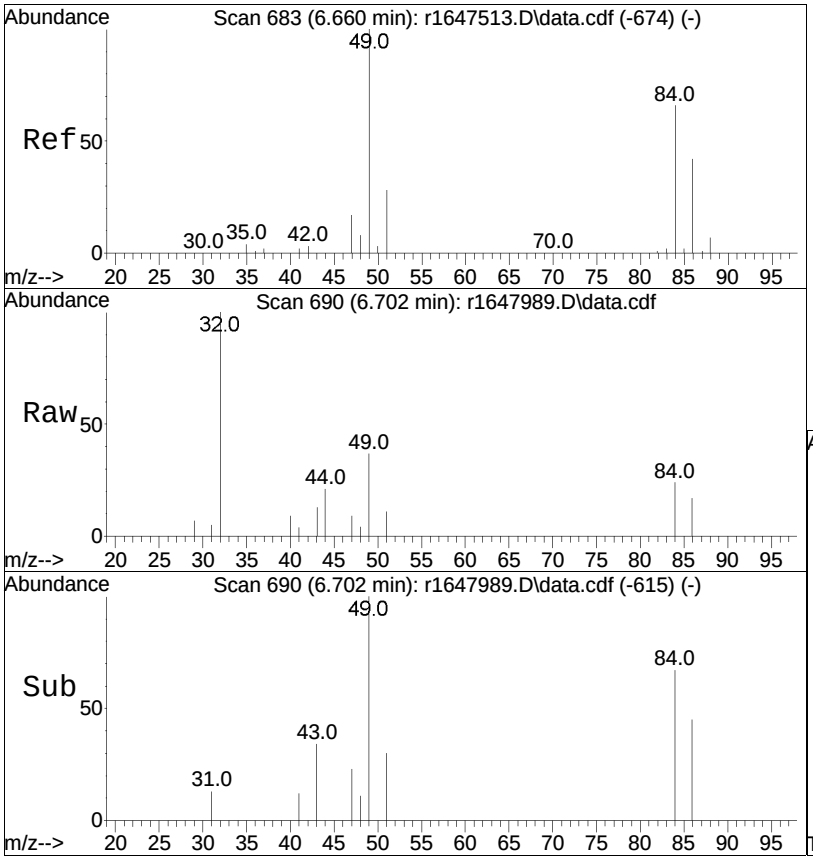


#27
tertiary butyl alcohol
Concen: 0.38 ppbV
RT: 6.618 min Scan# 676
Delta R.T. 0.054 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 59 Resp: 7284

Ion	Ratio	Lower	Upper
59	100		
41	53.2	34.6	52.0#
43	19.5	11.4	17.2#

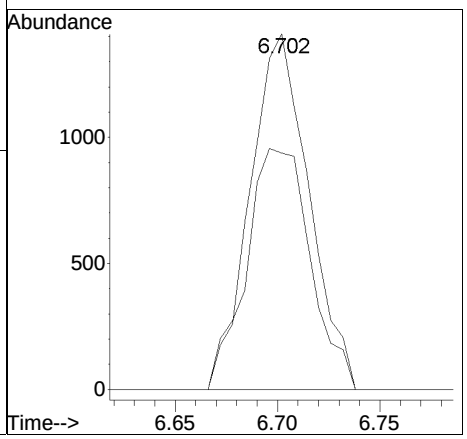


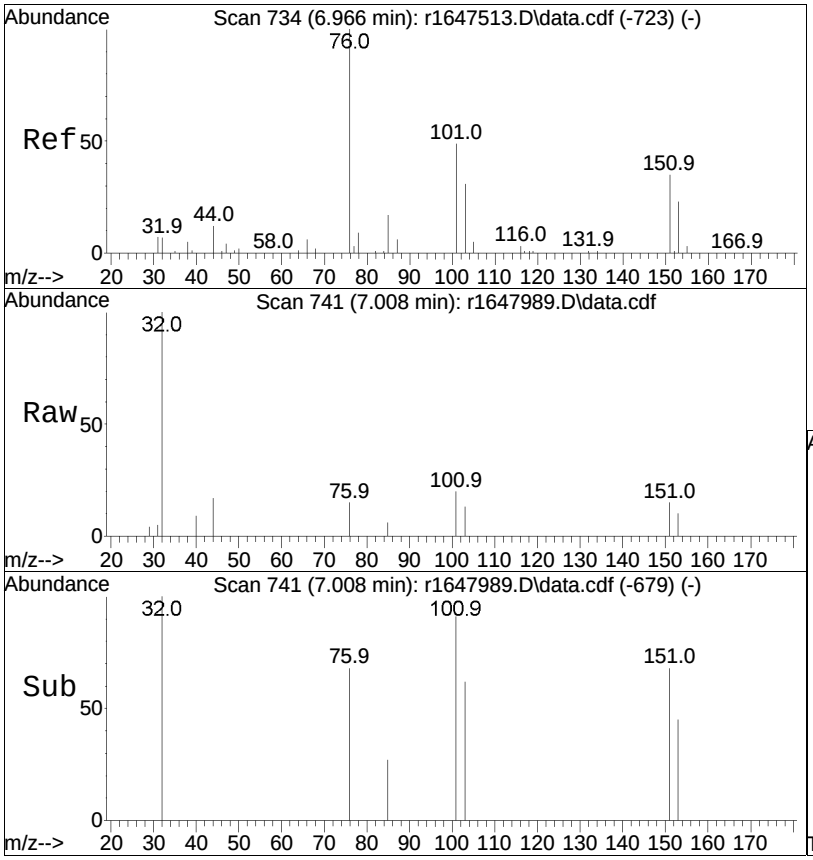


#28
methylene chloride
Concen: 0.16 ppbV
RT: 6.702 min Scan# 690
Delta R.T. 0.042 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 49 Resp: 2814

Ion	Ratio	Lower	Upper
49	100		
84	66.5	52.6	78.8

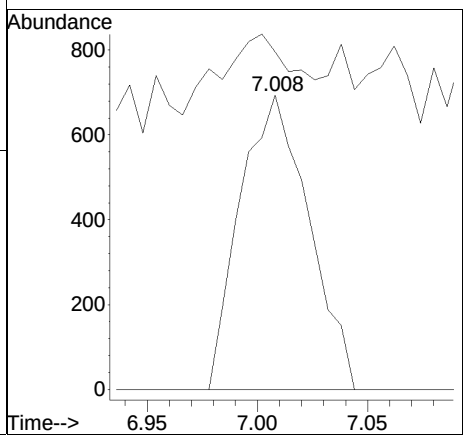


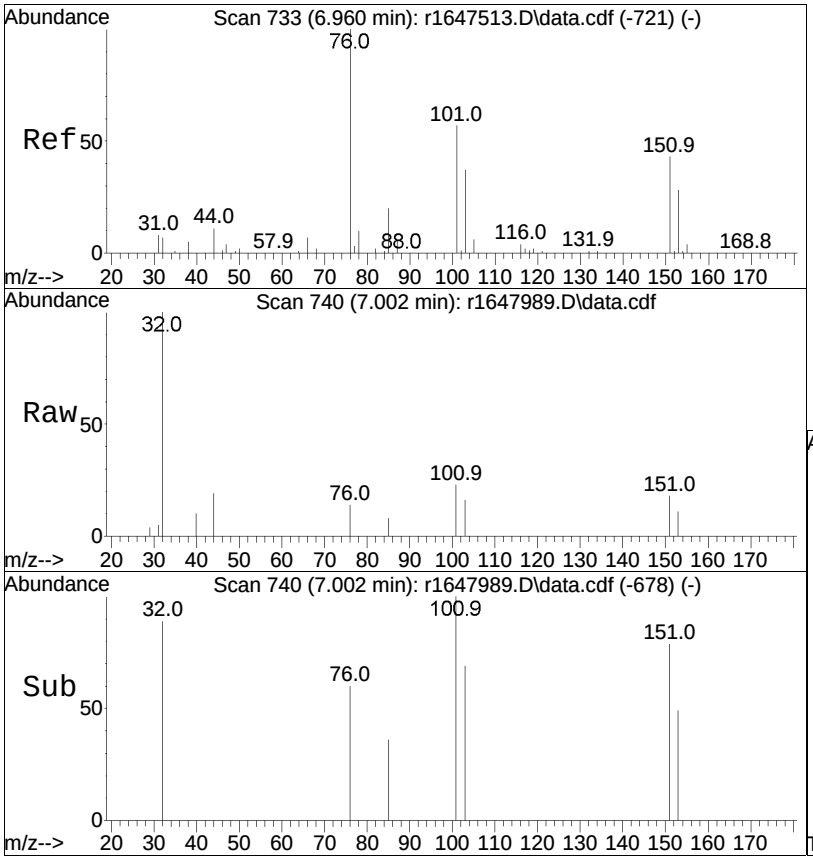


#30
carbon disulfide
Concen: 0.03 ppbV
RT: 7.008 min Scan# 741
Delta R.T. 0.042 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 76 Resp: 1506

Ion	Ratio	Lower	Upper
76	100		
44	114.7	9.8	14.6#

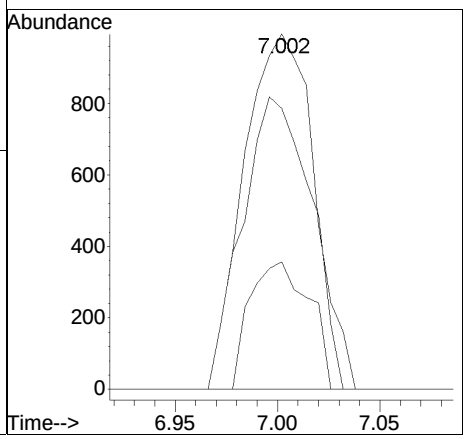


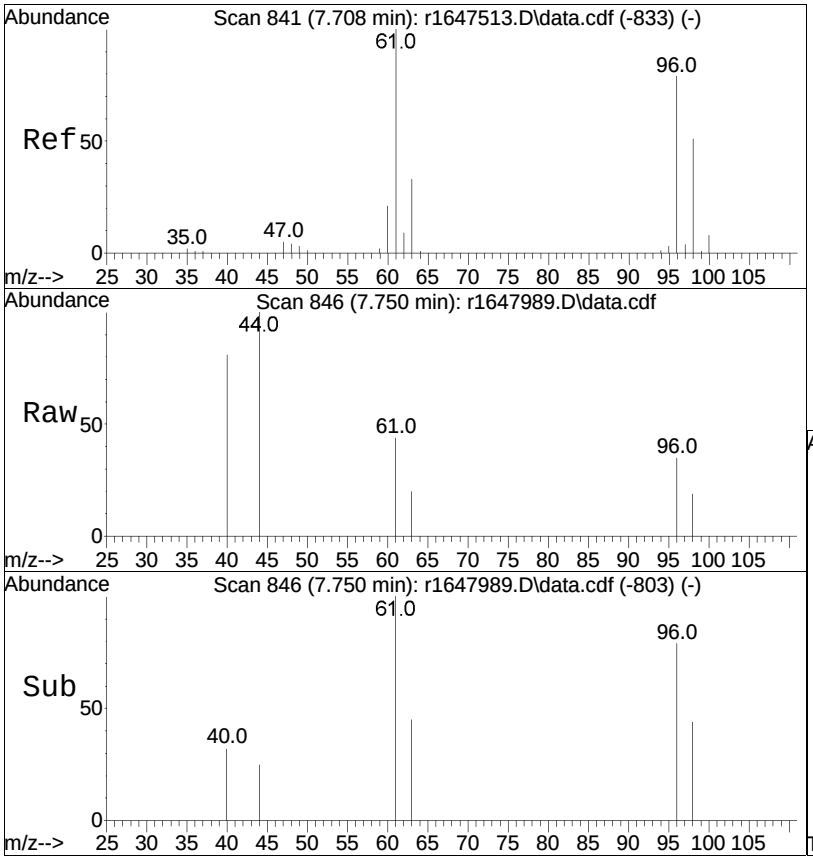


#31
Freon 113
Concen: 0.09 ppbV
RT: 7.002 min Scan# 740
Delta R.T. 0.042 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion:101 Resp: 2385

Ion	Ratio	Lower	Upper
101	100		
85	35.9	28.0	42.0
151	79.1	59.4	89.2

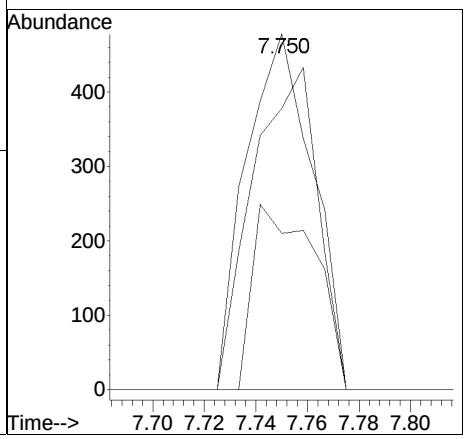


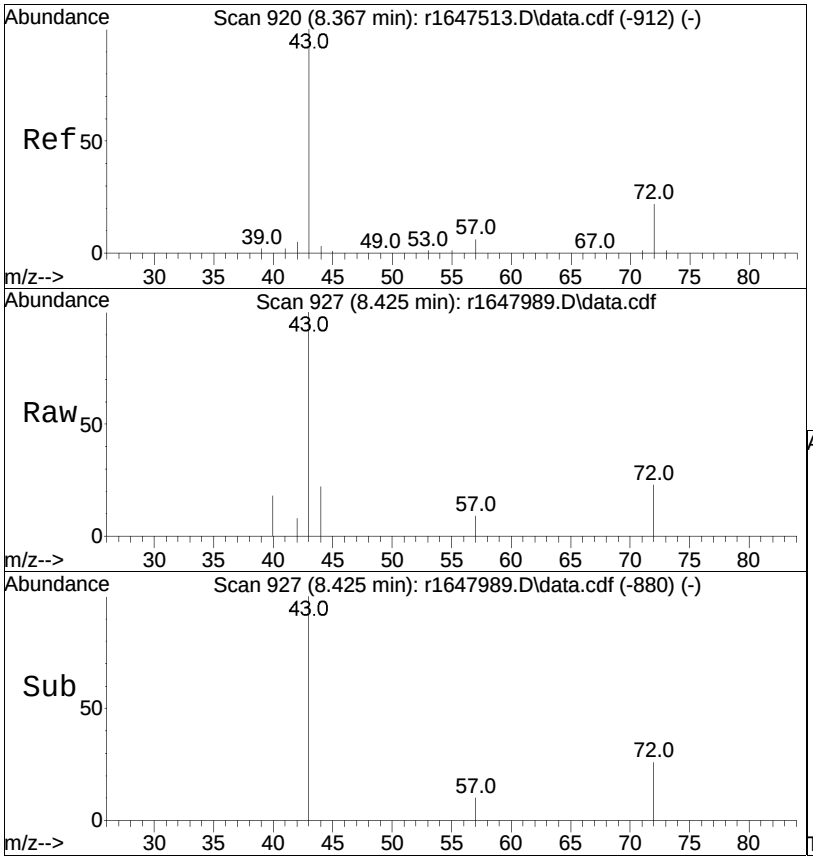


#32
trans-1,2-dichloroethene
Concen: 0.05 ppbV
RT: 7.750 min Scan# 846
Delta R.T. 0.042 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 61 Resp: 860

Ion	Ratio	Lower	Upper
61	100		
96	79.1	63.0	94.4
98	43.9	40.6	60.8

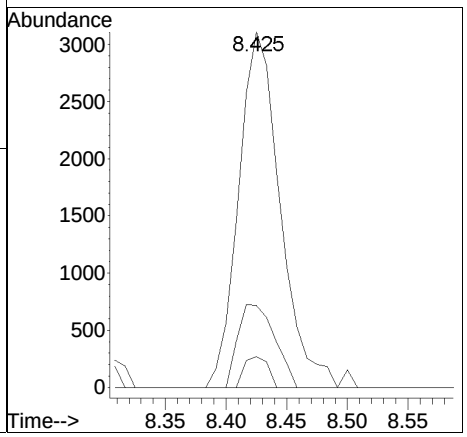


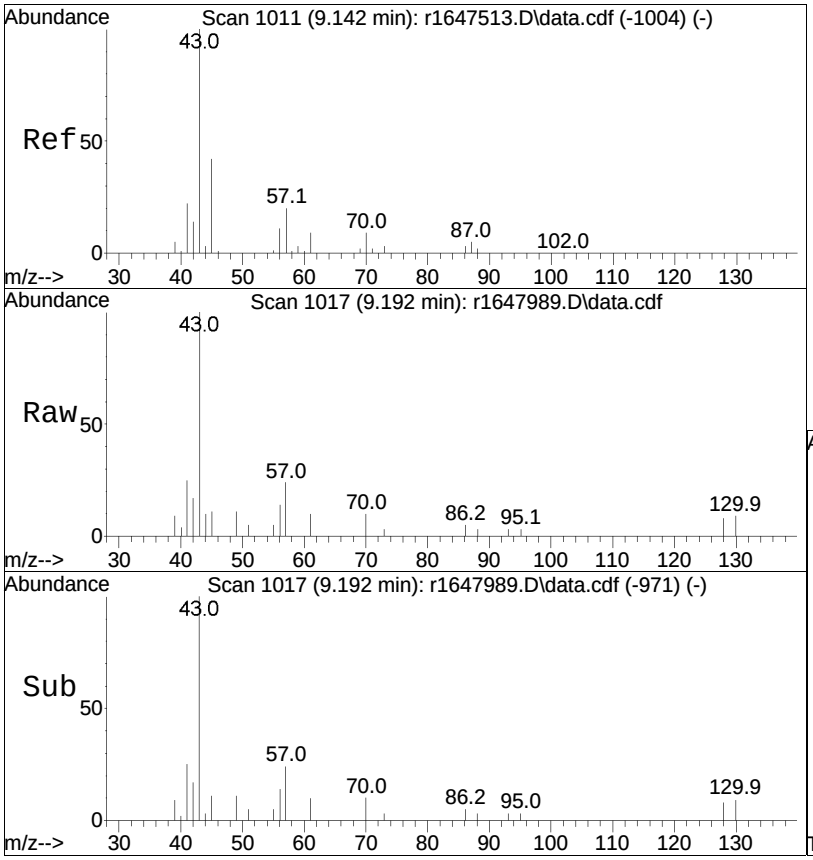


#36
2-butanone
Concen: 0.22 ppbV
RT: 8.425 min Scan# 927
Delta R.T. 0.058 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 43 Resp: 7466

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.7	26.5
57	8.7	4.6	6.8#

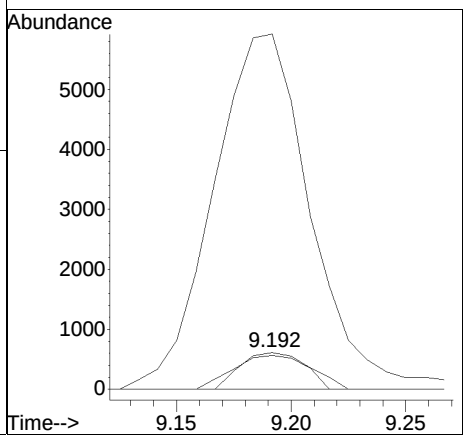


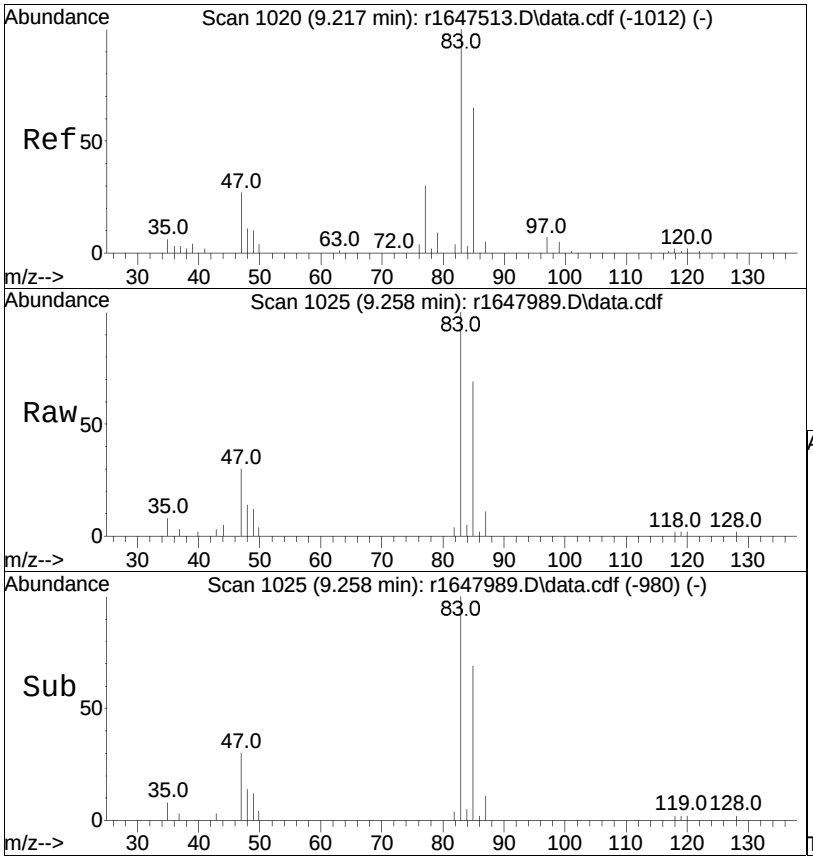


#38
Ethyl Acetate
Concen: 0.29 ppbV
RT: 9.192 min Scan# 1017
Delta R.T. 0.050 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 61 Resp: 1299

Ion	Ratio	Lower	Upper
61	100		
70	92.3	80.3	120.5
43	965.9	925.3	1387.9

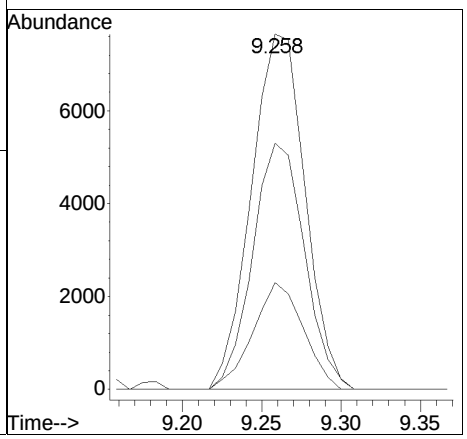


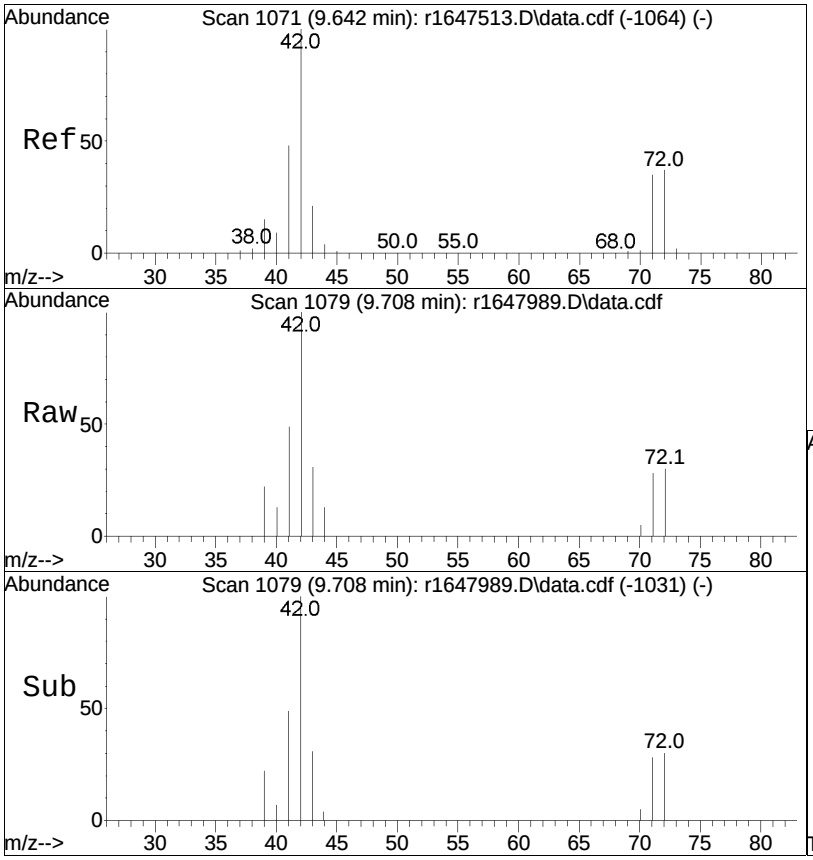


#39
chloroform
Concen: 0.76 ppbV
RT: 9.258 min Scan# 1025
Delta R.T. 0.042 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 83 Resp: 18039

Ion	Ratio	Lower	Upper
83	100		
85	69.3	51.8	77.6
47	30.0	21.7	32.5

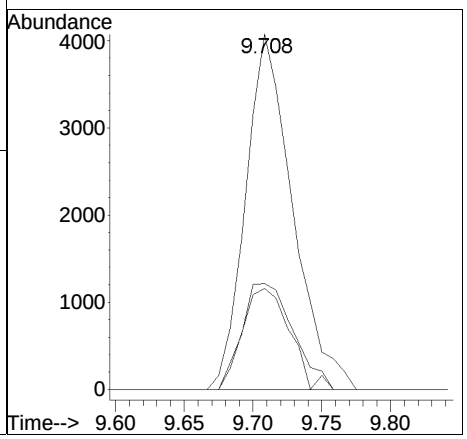


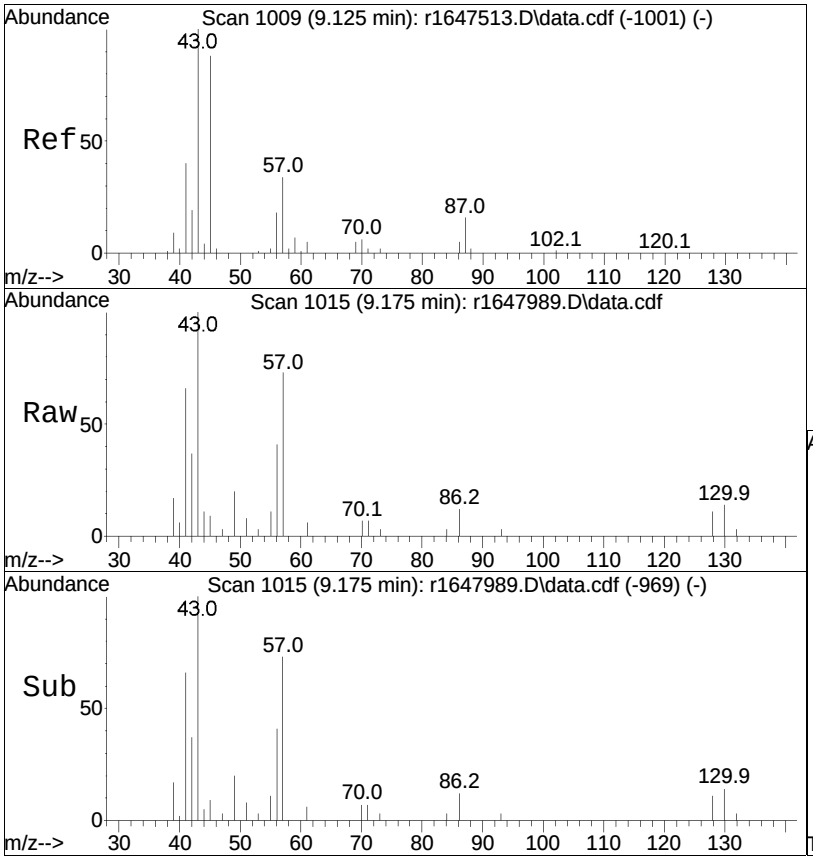


#40
Tetrahydrofuran
Concen: 0.48 ppbV
RT: 9.708 min Scan# 1079
Delta R.T. 0.067 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 42 Resp: 9680

Ion	Ratio	Lower	Upper
42	100		
71	28.4	28.2	42.2
72	29.8	29.8	44.6

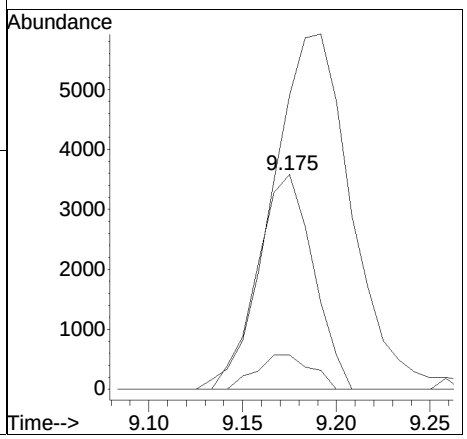


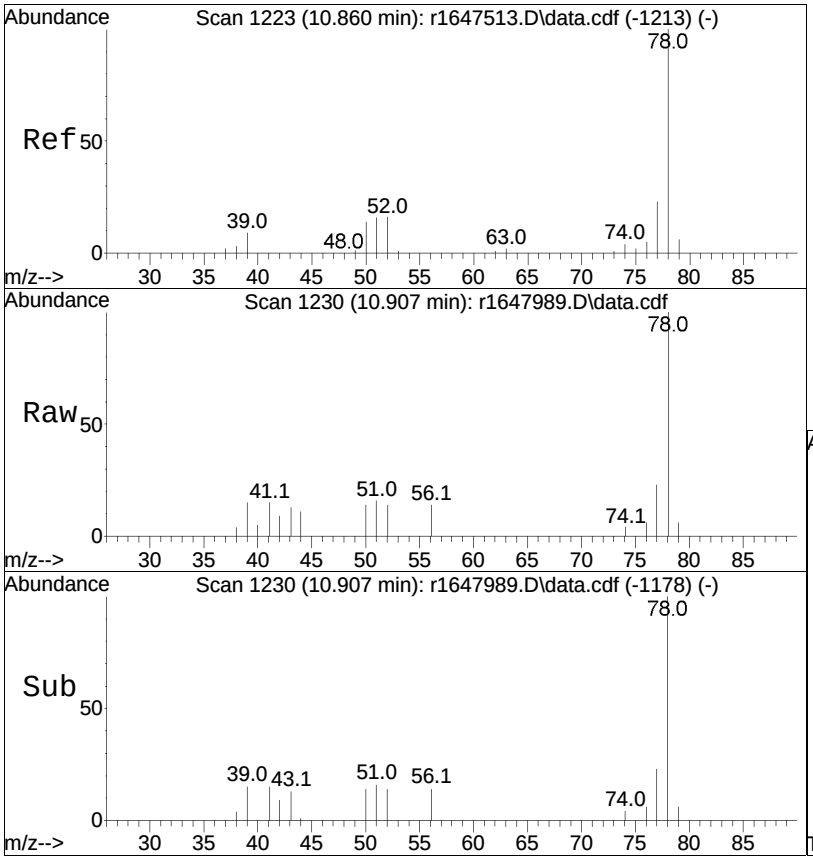


#44
hexane
Concen: 0.34 ppbV
RT: 9.175 min Scan# 1015
Delta R.T. 0.050 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 57 Resp: 7483

Ion	Ratio	Lower	Upper
57	100		
43	136.7	238.6	357.8#
86	16.0	12.3	18.5

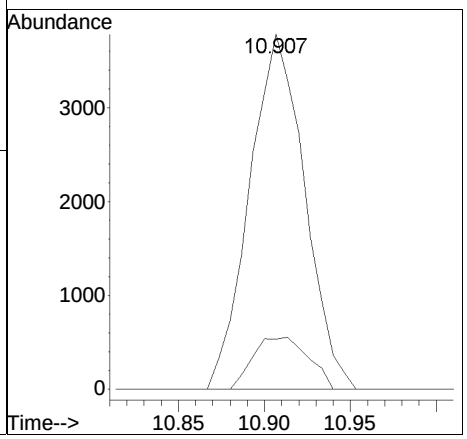


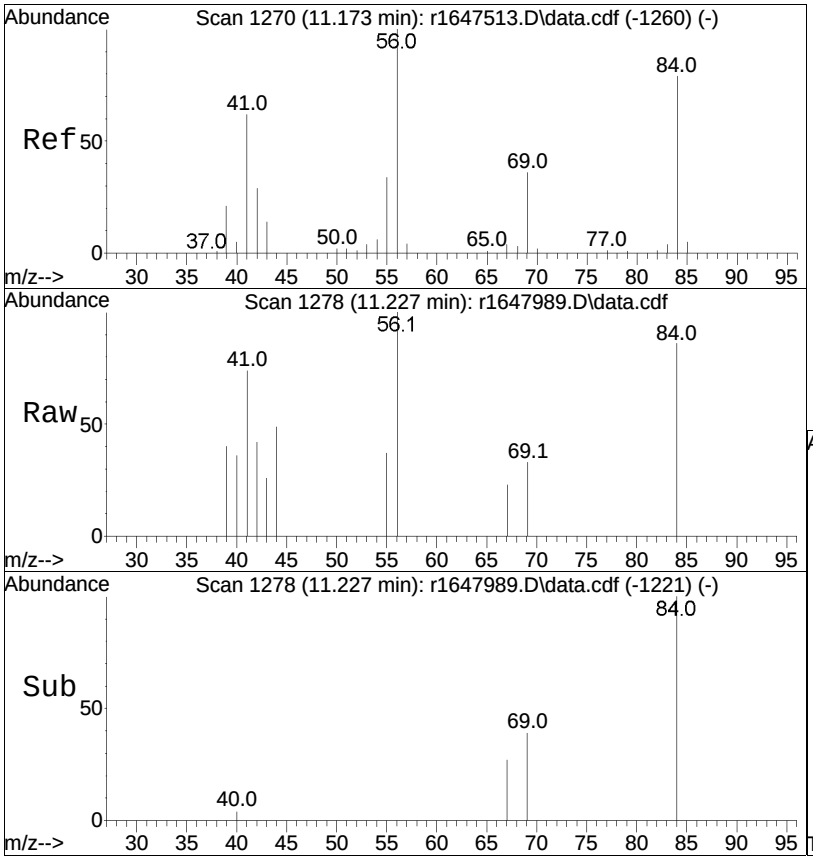


#50
benzene
Concen: 0.17 ppbV
RT: 10.907 min Scan# 1230
Delta R.T. 0.047 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 78 Resp: 8444

Ion	Ratio	Lower	Upper
78	100		
52	14.1	12.5	18.7

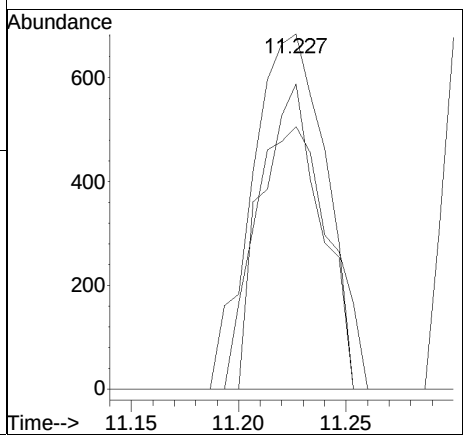


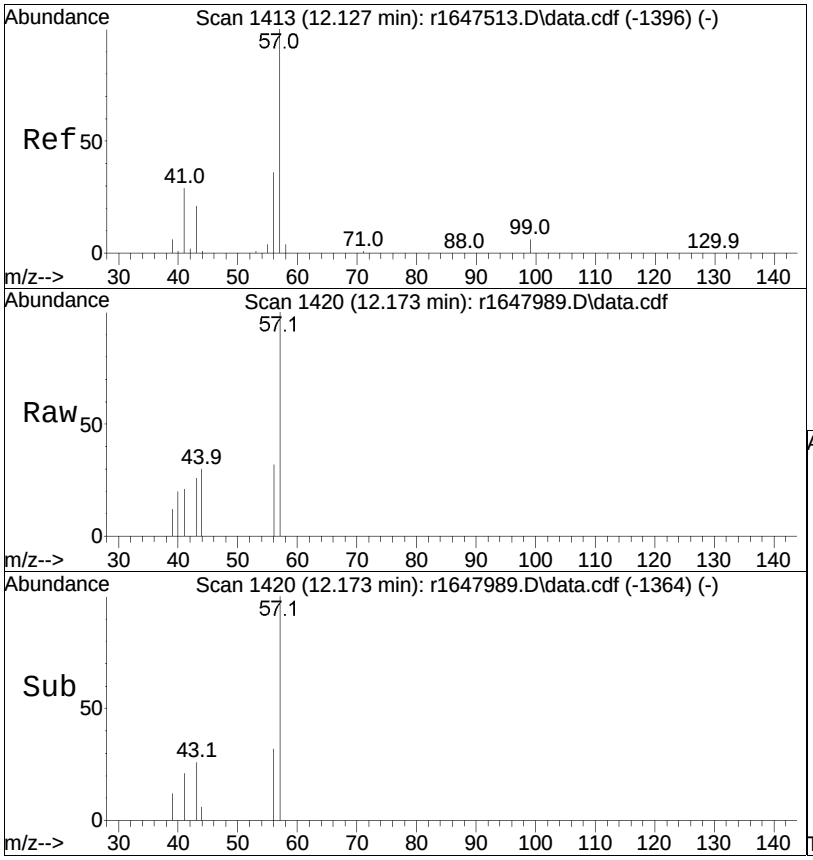


#53
cyclohexane
Concen: 0.07 ppbV
RT: 11.227 min Scan# 1278
Delta R.T. 0.053 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 56 Resp: 1608

Ion	Ratio	Lower	Upper
56	100		
84	86.0	63.4	95.0
41	74.0	49.8	74.6

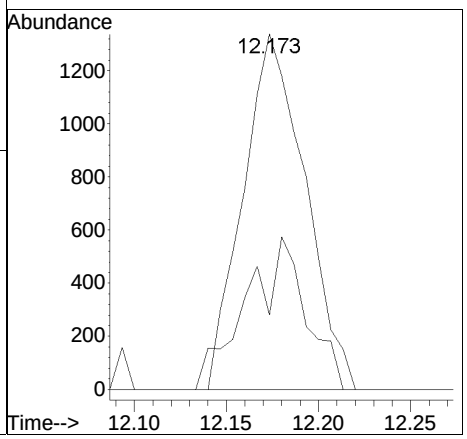


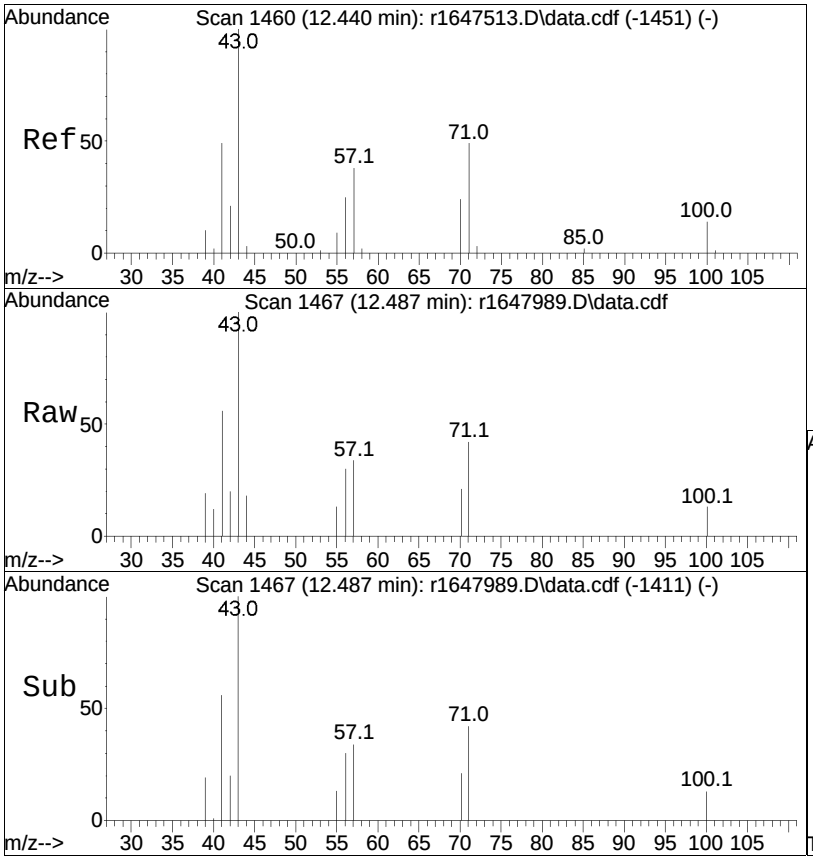


#60
2,2,4-trimethylpentane
Concen: 0.04 ppbV
RT: 12.173 min Scan# 1420
Delta R.T. 0.047 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 57 Resp: 3135

Ion	Ratio	Lower	Upper
57	100		
99	0.0	4.6	7.0#
41	21.0	23.0	34.6#

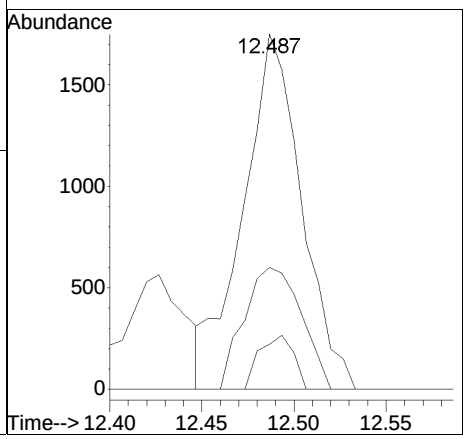


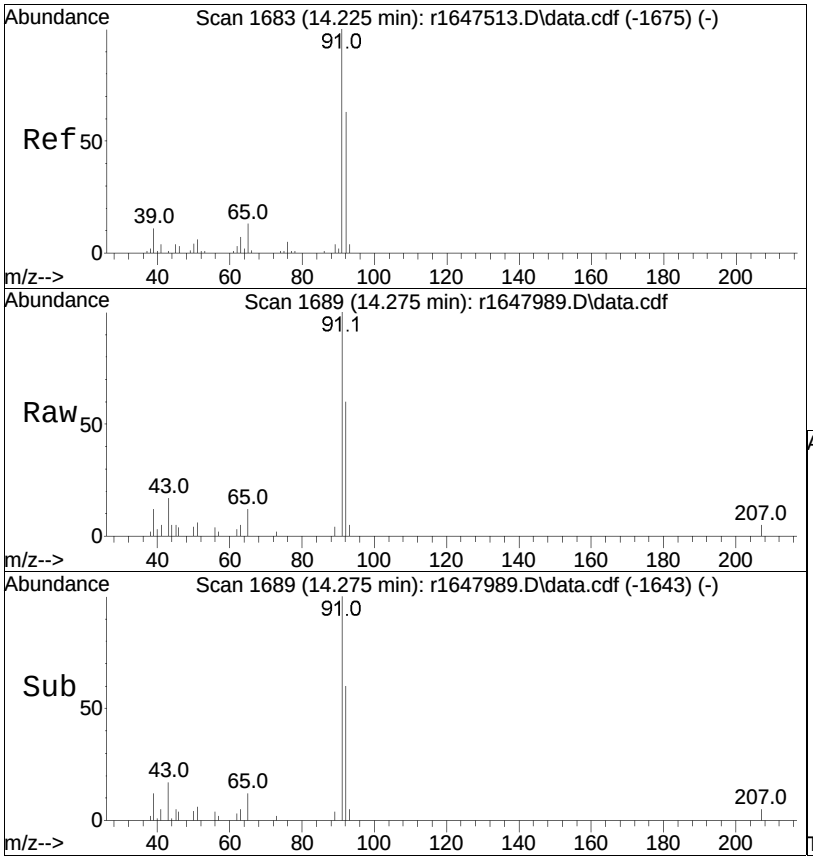


#62
heptane
Concen: 0.11 ppbV
RT: 12.487 min Scan# 1467
Delta R.T. 0.047 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 43 Resp: 3859

Ion	Ratio	Lower	Upper
43	100		
57	34.3	30.5	45.7
100	12.7	11.1	16.7

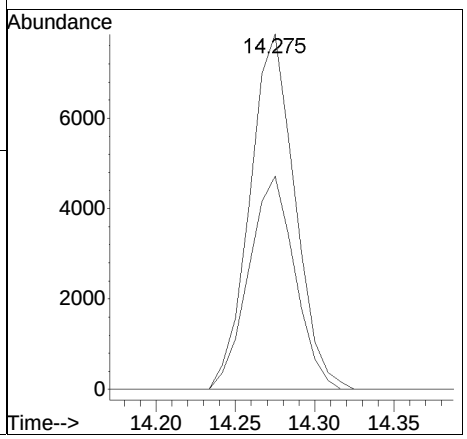


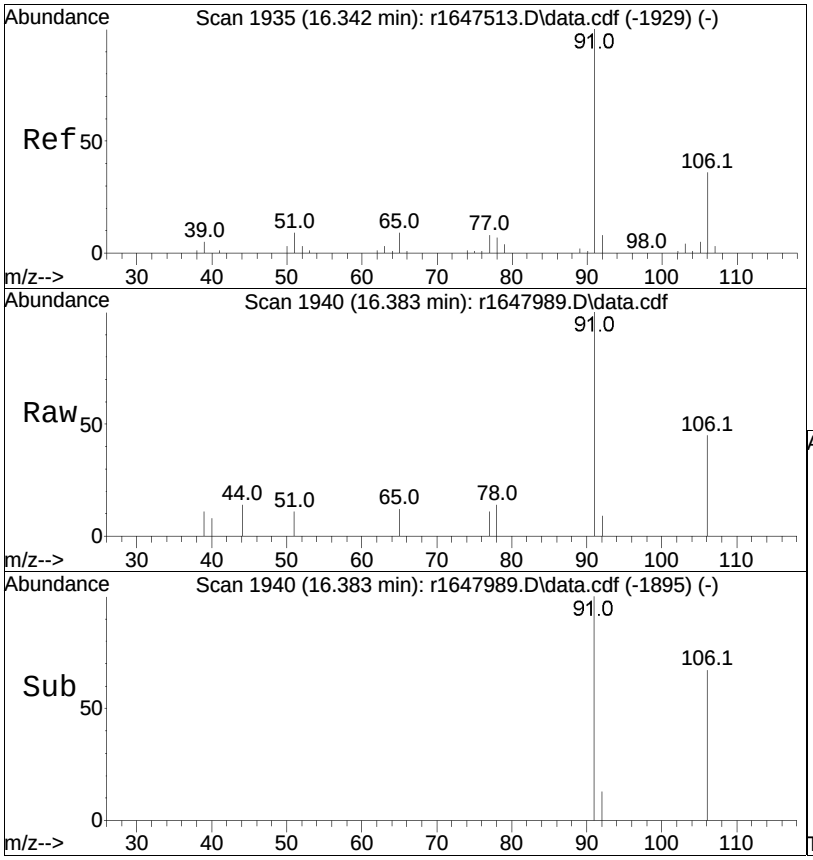


#68
toluene
Concen: 0.26 ppbV
RT: 14.275 min Scan# 1689
Delta R.T. 0.050 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 91 Resp: 15572

Ion	Ratio	Lower	Upper
91	100		
92	60.0	50.8	76.2

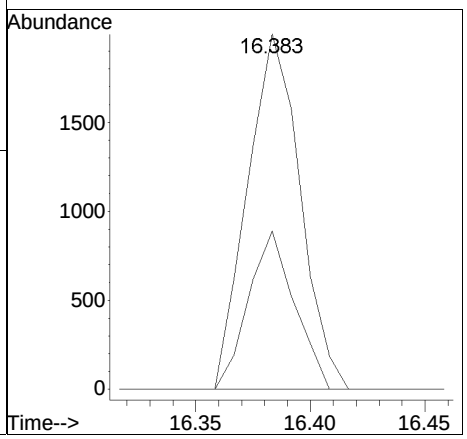


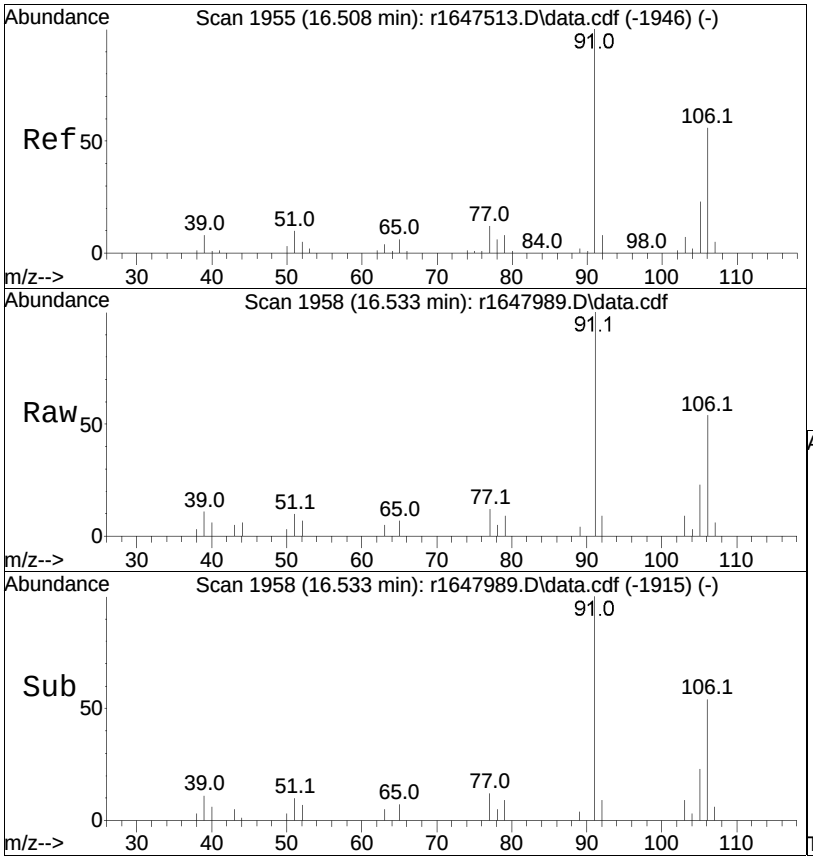


#81
ethylbenzene
Concen: 0.04 ppbV
RT: 16.383 min Scan# 1940
Delta R.T. 0.042 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 91 Resp: 3191

Ion	Ratio	Lower	Upper
91	100		
106	44.5	29.0	43.6#

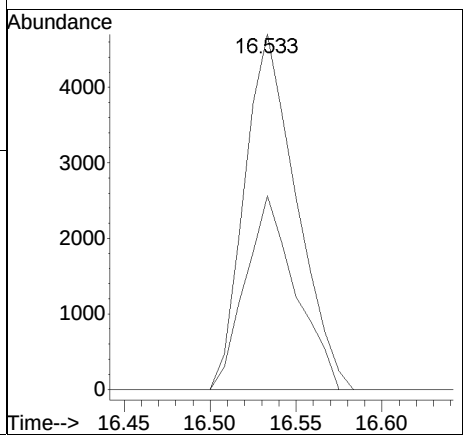


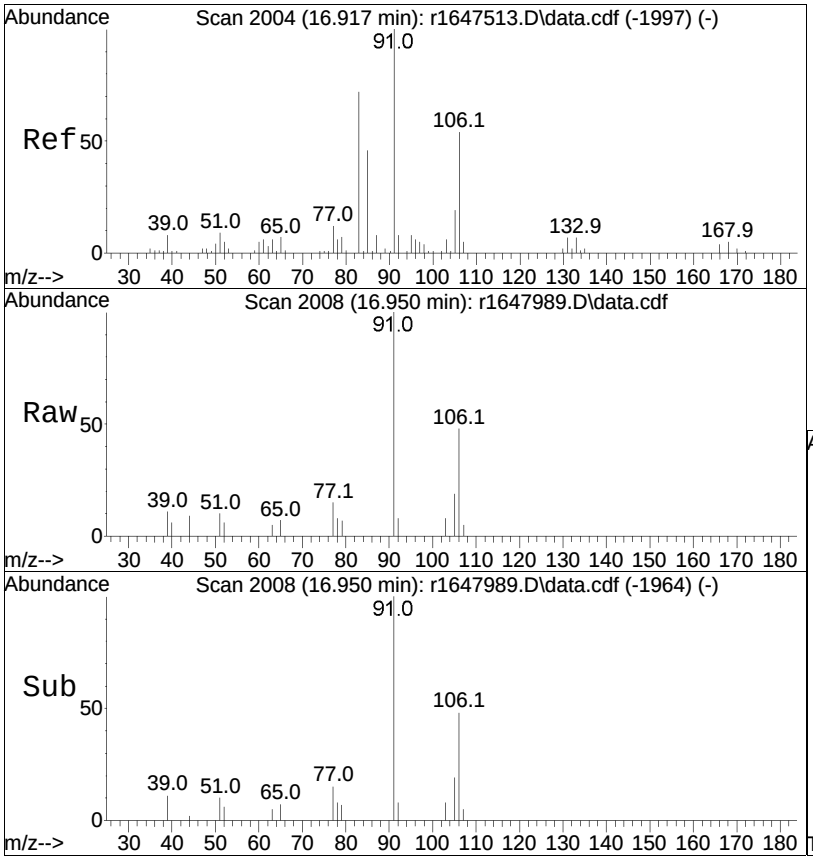


#83
m+p-xylene
Concen: 0.17 ppbV
RT: 16.533 min Scan# 1958
Delta R.T. 0.025 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 91 Resp: 9875

Ion	Ratio	Lower	Upper
91	100		
106	54.4	45.0	67.4

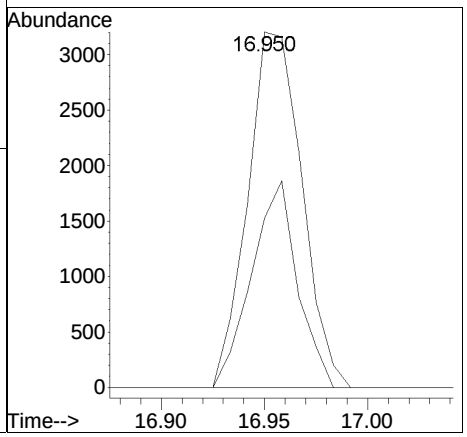


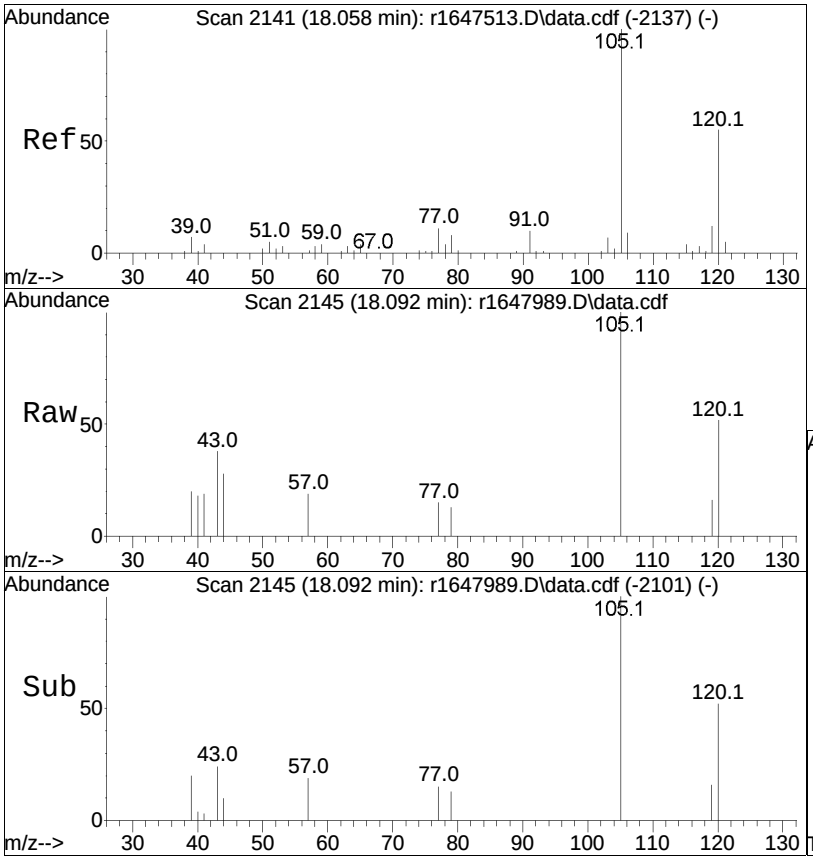


#87
o-xylene
Concen: 0.10 ppbV
RT: 16.950 min Scan# 2008
Delta R.T. 0.033 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion: 91 Resp: 5858

Ion	Ratio	Lower	Upper
91	100		
106	47.6	43.2	64.8

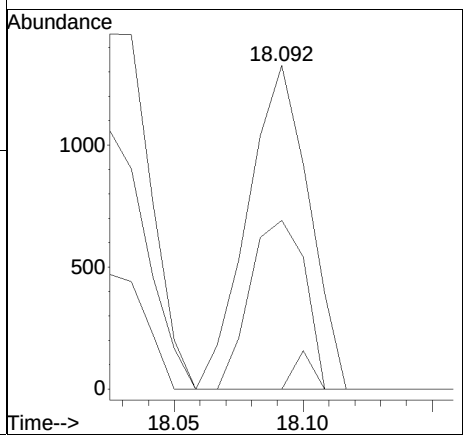


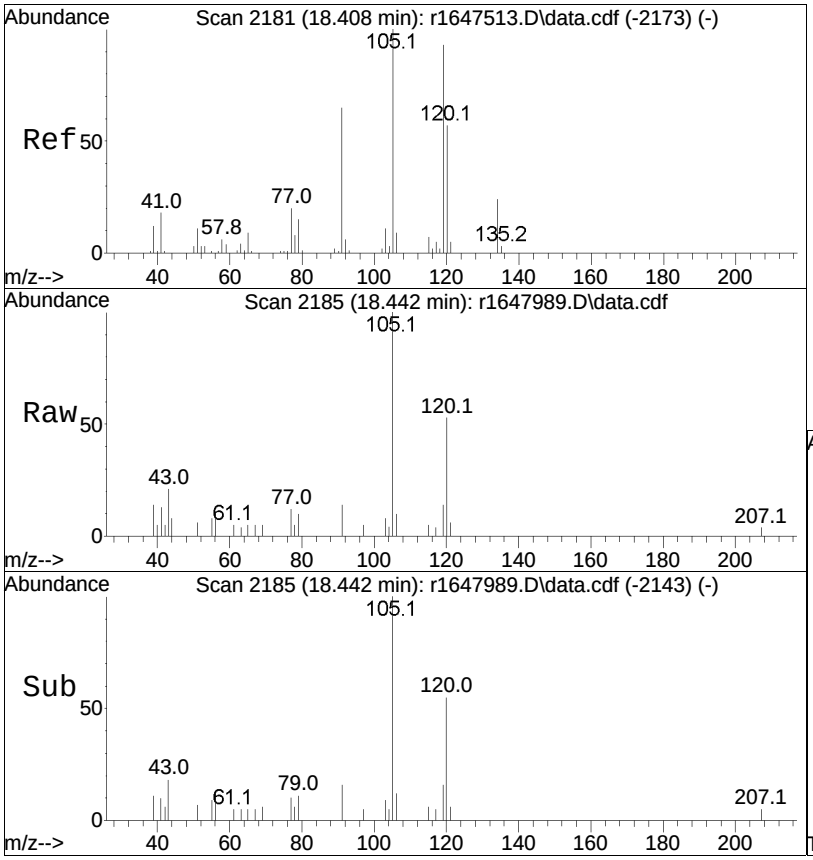


#97
1,3,5-trimethylbenzene
Concen: 0.03 ppbV
RT: 18.092 min Scan# 2145
Delta R.T. 0.033 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion:105 Resp: 2197

Ion	Ratio	Lower	Upper
105	100		
120	52.2	44.2	66.2
91	0.0	7.7	11.5#

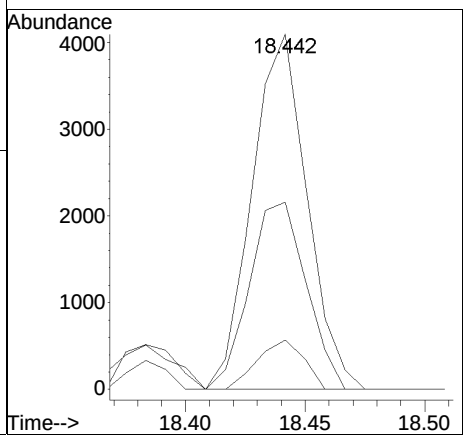




#99
1,2,4-trimethylbenzene
Concen: 0.09 ppbV m
RT: 18.442 min Scan# 2185
Delta R.T. 0.033 min
Lab File: r1647989.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion:105 Resp: 6561

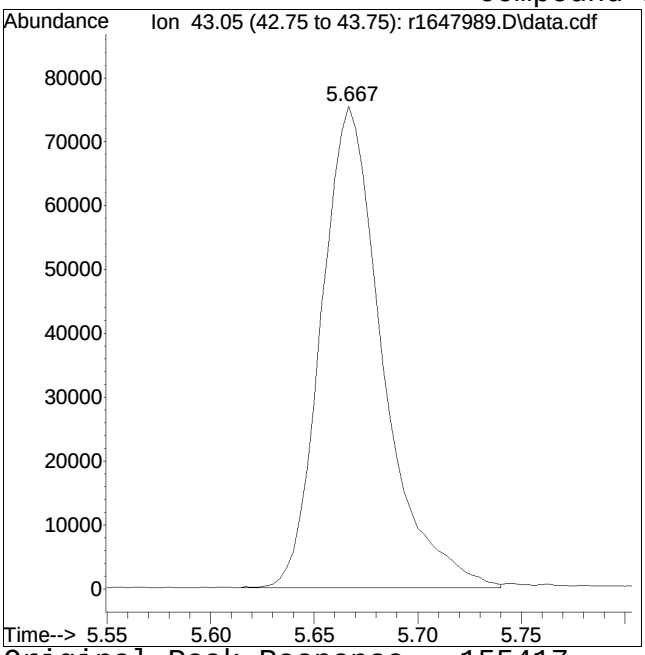
Ion	Ratio	Lower	Upper
105	100		
120	52.7	45.9	68.9
91	13.9	51.9	77.9#



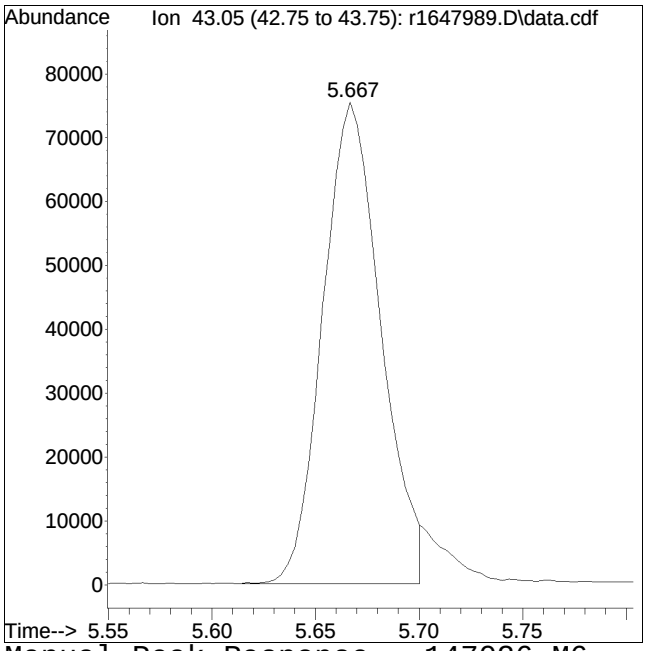
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647989.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 7:33 PM Instrument :
Sample : L2500525-01,3,250,250 Quant Date : 1/19/2025 12:03 pm

Compound #19: acetone



Original Peak Response = 155417



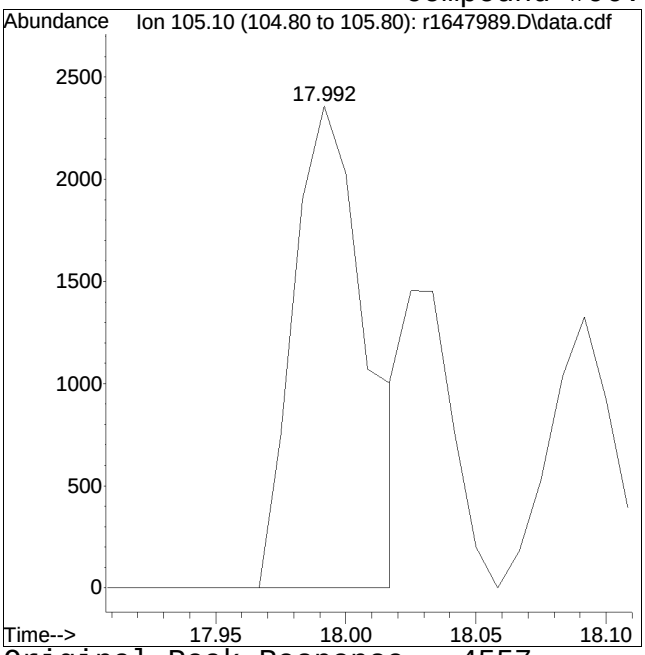
Manual Peak Response = 147026 M6

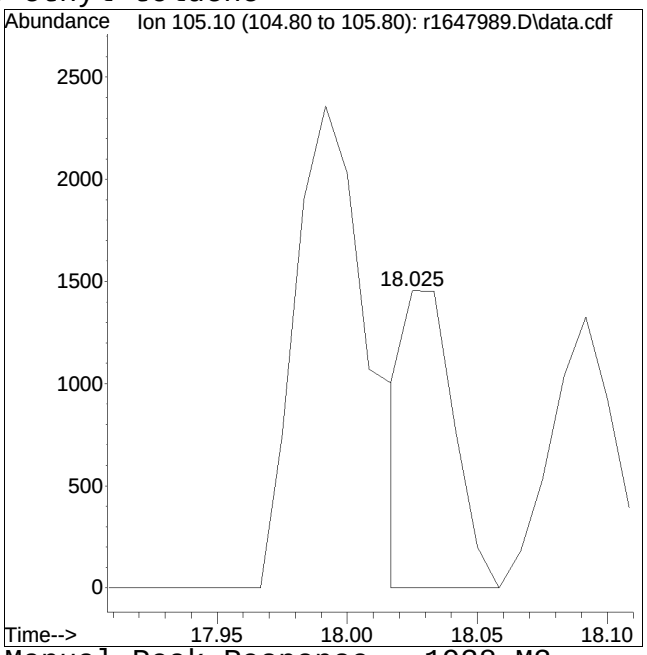
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647989.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 7:33 PM Instrument :
Sample : L2500525-01,3,250,250 Quant Date : 1/19/2025 12:03 pm

Compound #96: 4-ethyl toluene





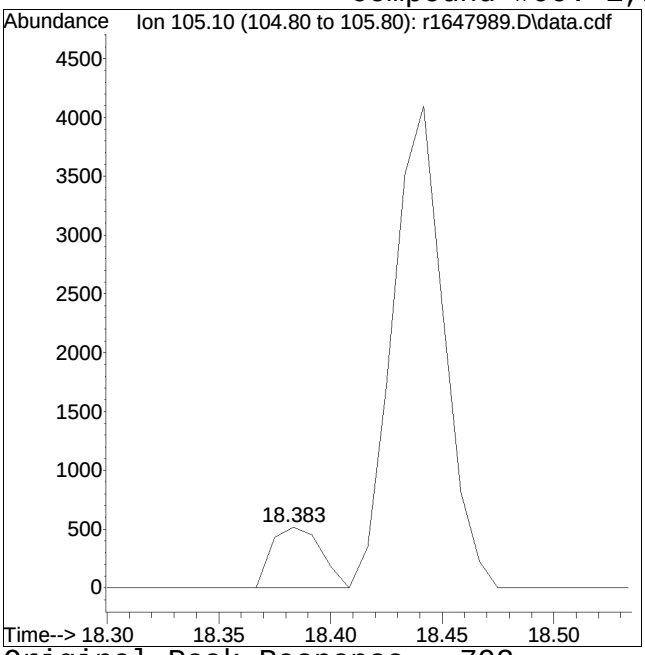
Original Peak Response = 4557 Manual Peak Response = 1938 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

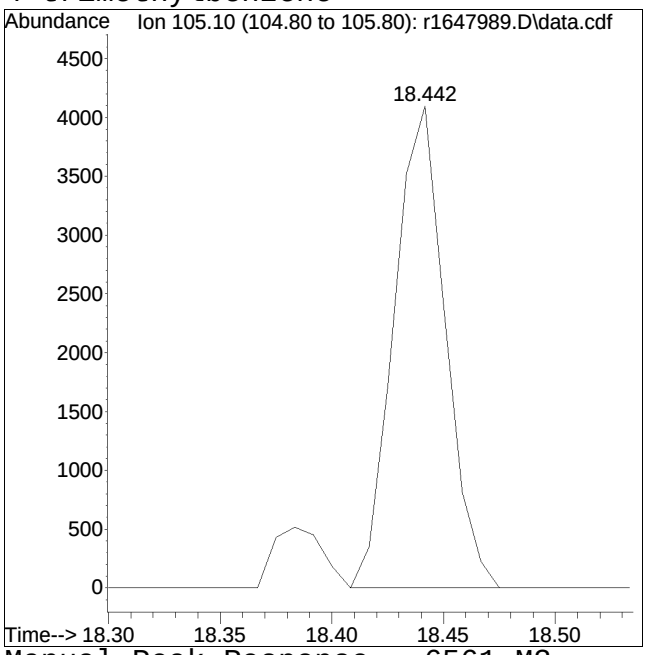
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647989.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 7:33 PM Instrument :
Sample : L2500525-01,3,250,250 Quant Date : 1/19/2025 12:03 pm

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 792



Manual Peak Response = 6561 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647990.D
Acq On : 18 Jan 2025 8:12 PM
Operator : AIRLAB16:BJB
Sample : L2500525-02,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:07:30 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.108	49	259584	10.000	ppbV	0.05
Standard Area = 258084			Recovery = 100.58%			
43) 1,4-difluorobenzene	11.327	114	709926	10.000	ppbV	0.05
Standard Area = 704126			Recovery = 100.82%			
67) chlorobenzene-D5	16.008	54	98735	10.000	ppbV	0.03
Standard Area = 97914			Recovery = 100.84%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	4.006	85	14712	0.630	ppbV	98
6) chloromethane	4.168	50	7922	0.628	ppbV	97
7) Freon-114	4.282		0	N.D.		
10) 1,3-butadiene	4.546		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	5.152	31	2011544	231.261	ppbV	96
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.670	43	117514M6	8.042	ppbV	
21) trichlorofluoromethane	5.857	101	5124	0.281	ppbV	98
22) isopropyl alcohol	5.950	45	476087	18.716	ppbV	99
27) tertiary butyl alcohol	6.618	59	4432	0.234	ppbV #	79
28) methylene chloride	6.702	49	2991	0.168	ppbV	98
29) 3-chloropropene	6.690		0	N.D.		
30) carbon disulfide	7.008		0	N.D.		
31) Freon 113	7.008	101	2385	0.091	ppbV	94
32) trans-1,2-dichloroethene	7.750	61	1296	0.072	ppbV	94
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.		
36) 2-butanone	8.425	43	7417	0.217	ppbV	98
38) Ethyl Acetate	9.192	61	1138	0.255	ppbV #	42
39) chloroform	9.258	83	9419	0.398	ppbV	98
40) Tetrahydrofuran	9.708	42	22676	1.126	ppbV	96
42) 1,2-dichloroethane	10.092		0	N.D.		
44) hexane	9.175	57	8018	0.367	ppbV #	17
50) benzene	10.913	78	8118	0.159	ppbV	96
53) cyclohexane	11.227	56	1562	0.067	ppbV #	91
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647990.D
Acq On : 18 Jan 2025 8:12 PM
Operator : AIRLAB16:BJB
Sample : L2500525-02,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:07:30 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : TO15-NY+NAPH-7-SIM - .

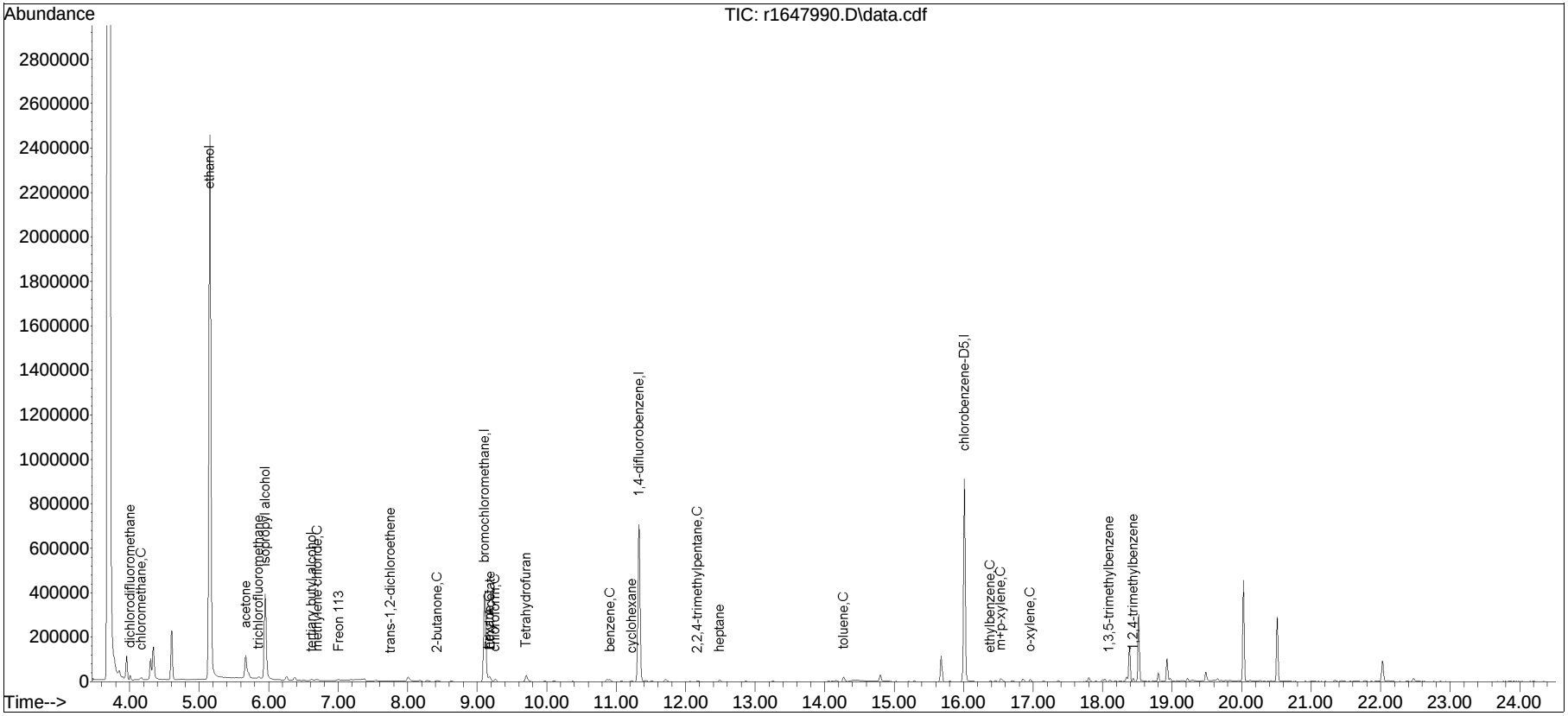
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	12.080		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	12.173	57	2833	0.040	ppbV #	80
62) heptane	12.487	43	4643	0.134	ppbV	97
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	13.192		0	N.D.		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.275	91	16518	0.271	ppbV	97
72) 2-hexanone	14.492		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	16.383	91	3448	0.045	ppbV	97
83) m+p-xylene	16.533	91	10916	0.181	ppbV	96
84) bromoform	0.000		0	N.D.		
85) styrene	16.867		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.958	91	6344	0.103	ppbV	94
96) 4-ethyl toluene	18.033		0	N.D.		
97) 1,3,5-trimethylbenzene	18.092	105	2477	0.035	ppbV #	91
99) 1,2,4-trimethylbenzene	18.442	105	7221M3	0.103	ppbV	
101) Benzyl Chloride	18.442		0	N.D.		
102) 1,3-dichlorobenzene	0.000		0	N.D.		
103) 1,4-dichlorobenzene	0.000		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.592		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

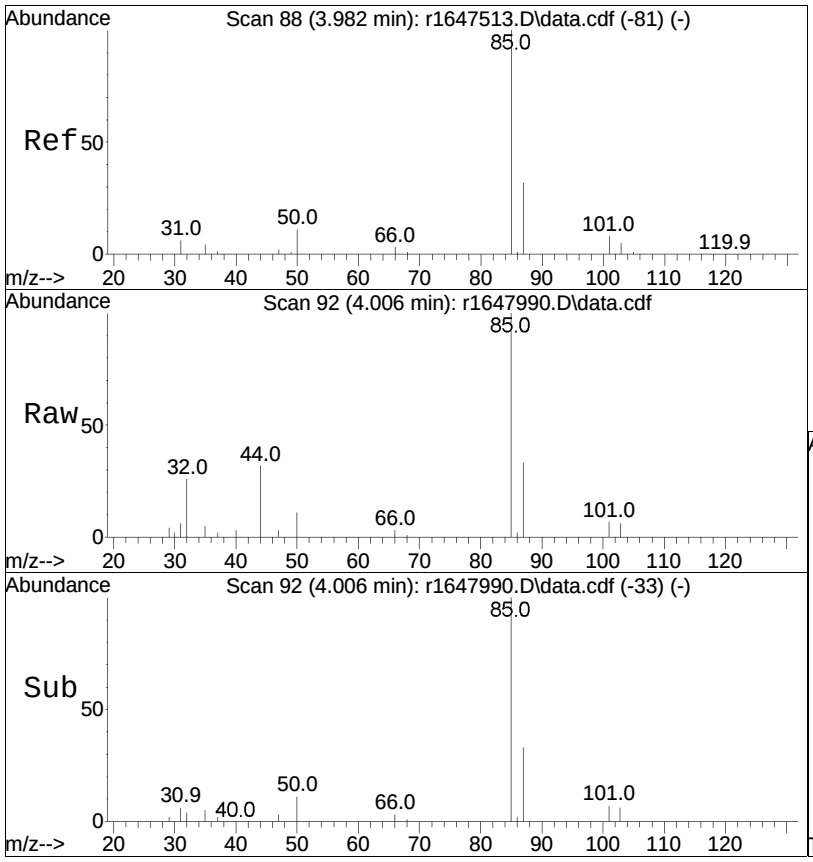
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .6\2025\01\0118T\r1647982.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647990.D
Acq On : 18 Jan 2025 8:12 PM
Operator : AIRLAB16:BJB
Sample : L2500525-02,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:07:30 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

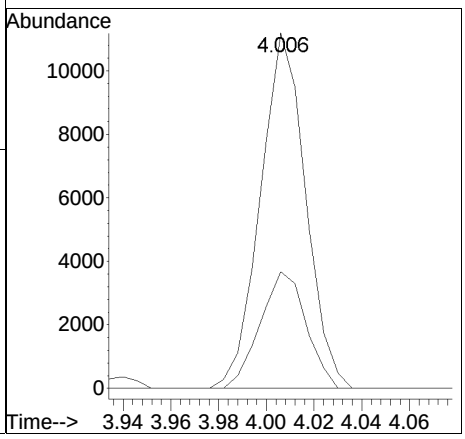


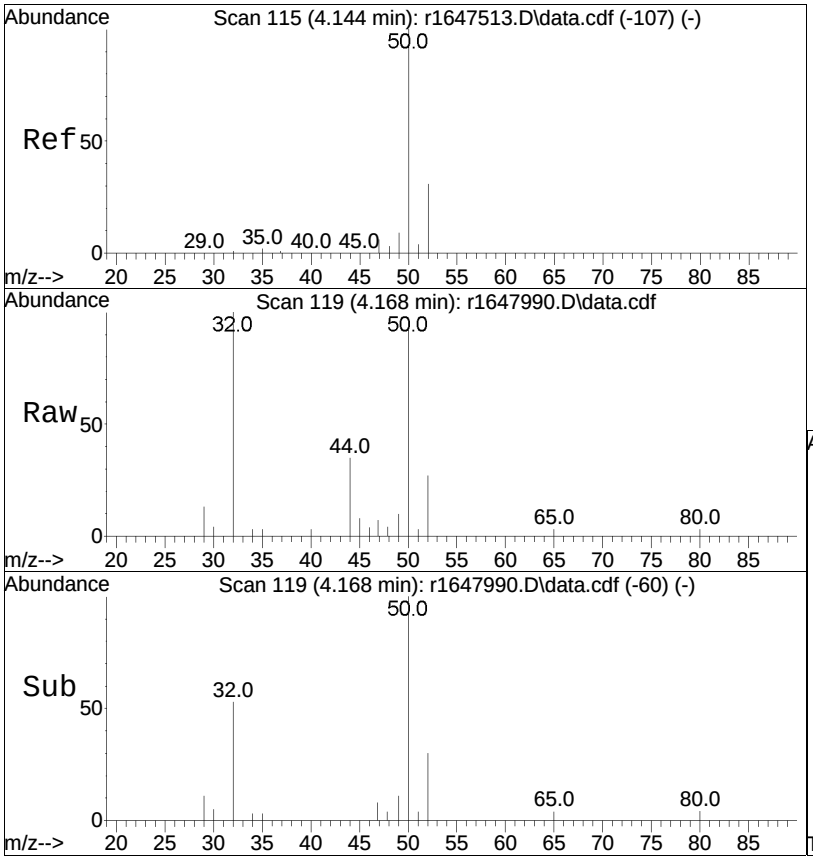


#5
dichlorodifluoromethane
Concen: 0.63 ppbV
RT: 4.006 min Scan# 92
Delta R.T. 0.024 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 85 Resp: 14712

Ion	Ratio	Lower	Upper
85	100		
87	32.8	25.5	38.3

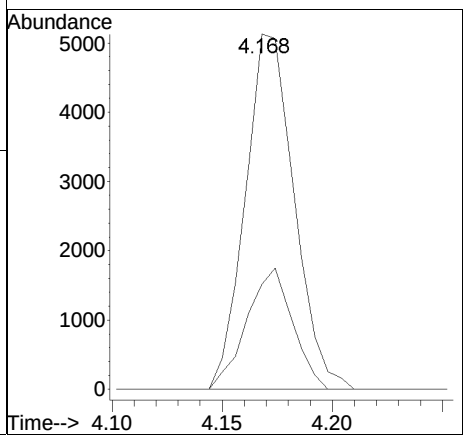


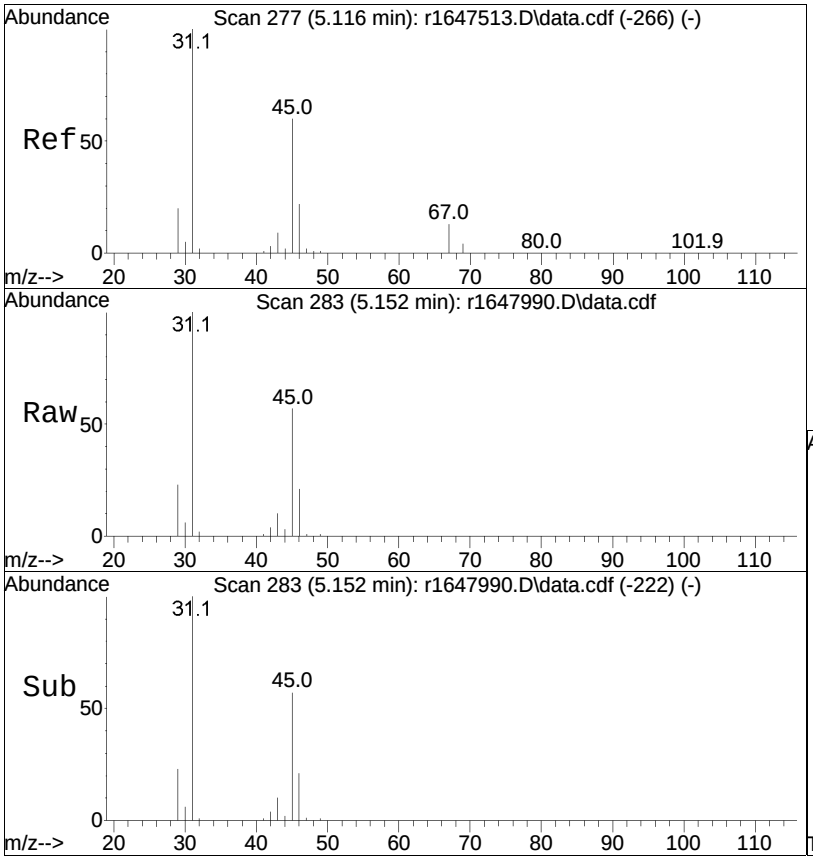


#6
chloromethane
Concen: 0.63 ppbV
RT: 4.168 min Scan# 119
Delta R.T. 0.024 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 50 Resp: 7922

Ion	Ratio	Lower	Upper
50	100		
52	29.6	25.2	37.8

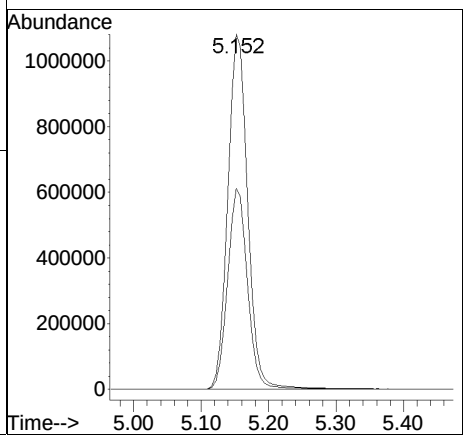


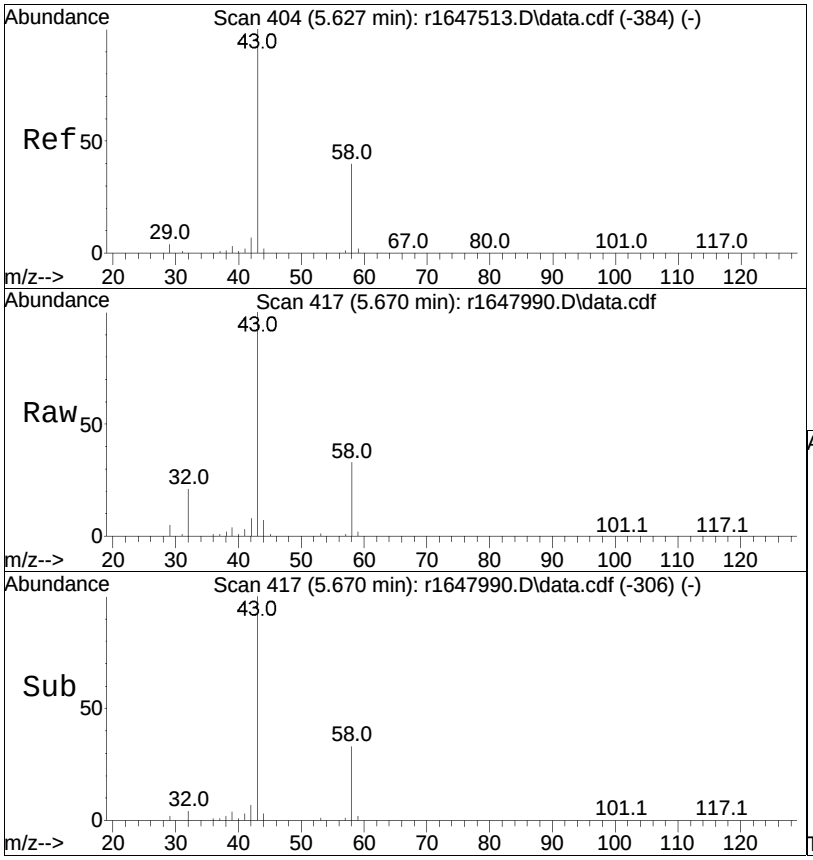


#15
ethanol
Concen: 231.26 ppbV
RT: 5.152 min Scan# 283
Delta R.T. 0.036 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 31 Resp: 2011544

Ion	Ratio	Lower	Upper
31	100		
45	56.6	47.8	71.8

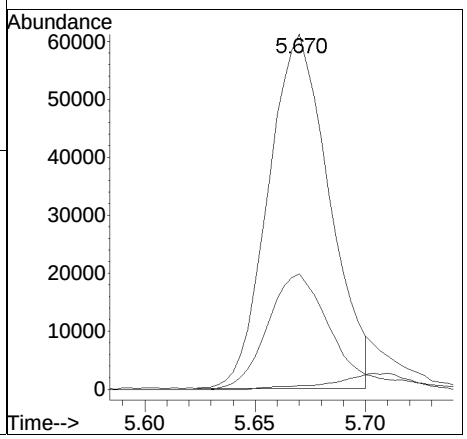


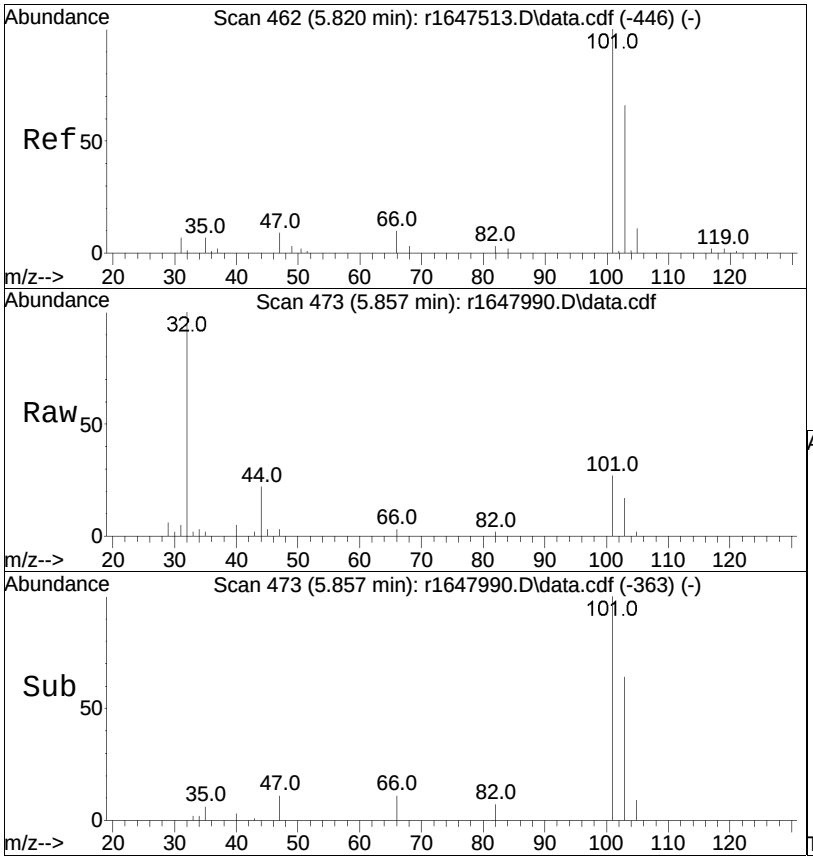


#19
acetone
Concen: 8.04 ppbV m
RT: 5.670 min Scan# 417
Delta R.T. 0.043 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 43 Resp: 117514

Ion	Ratio	Lower	Upper
43	100		
58	32.5	32.1	48.1
57	1.1	0.9	1.3

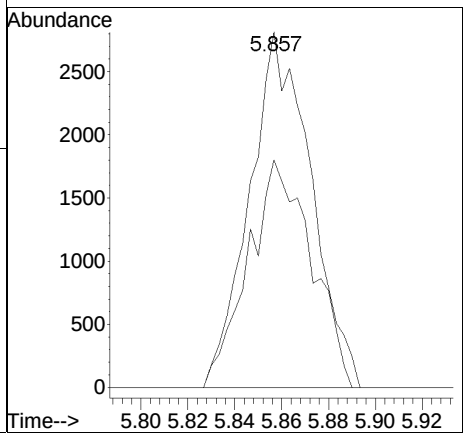


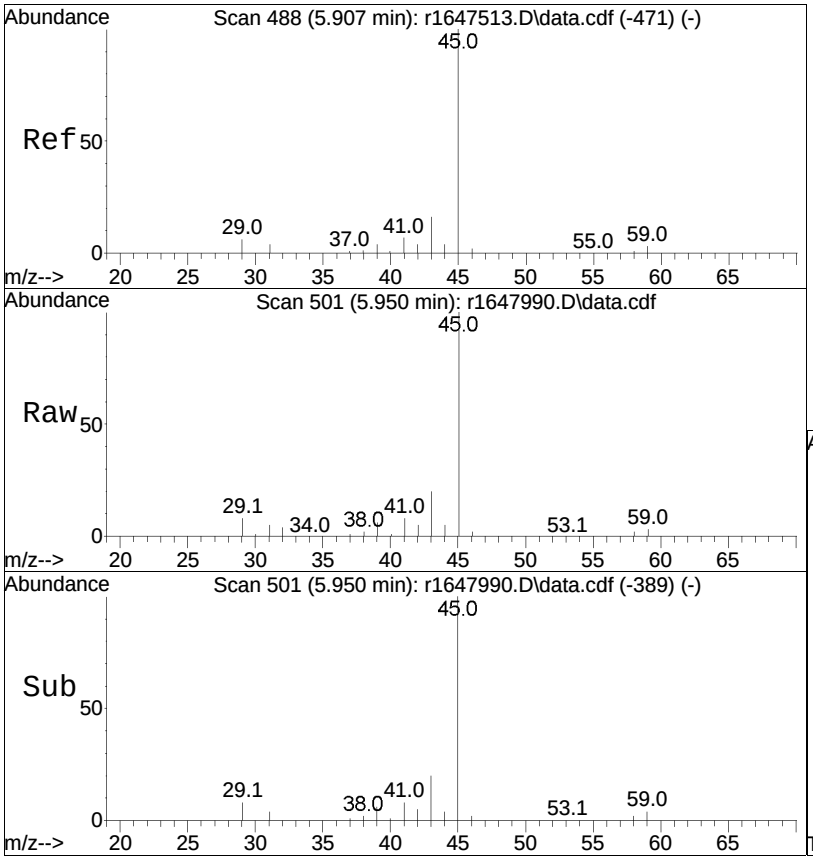


#21
trichlorofluoromethane
Concen: 0.28 ppbV
RT: 5.857 min Scan# 473
Delta R.T. 0.037 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion:101 Resp: 5124

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.6	78.8

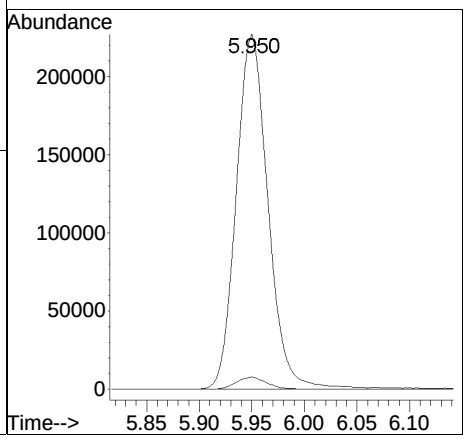


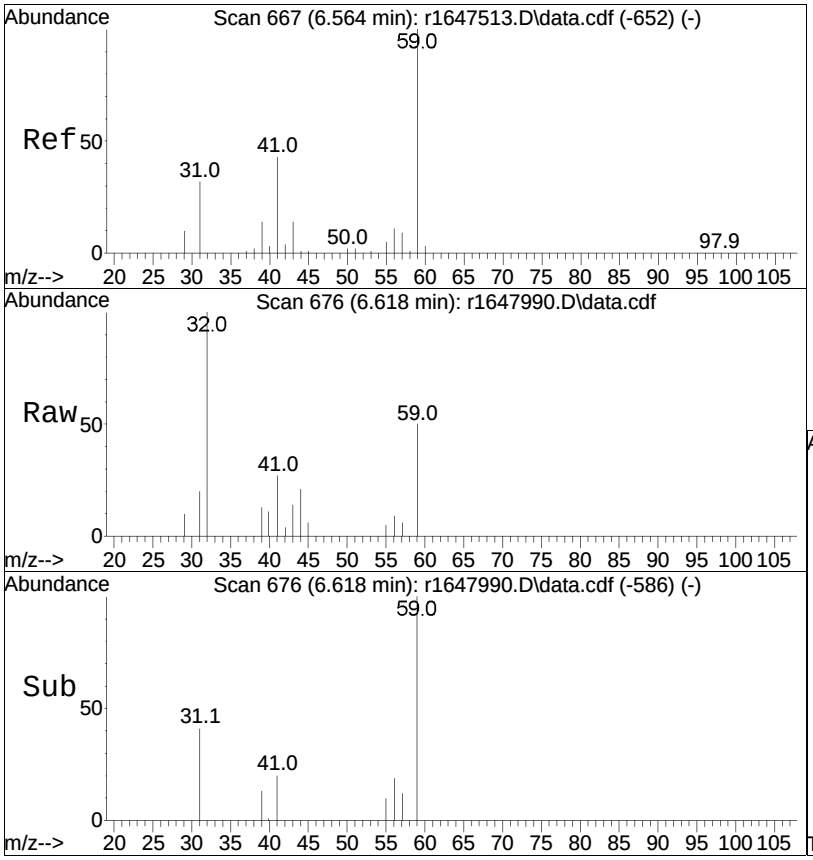


#22
isopropyl alcohol
Concen: 18.72 ppbV
RT: 5.950 min Scan# 501
Delta R.T. 0.043 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 45 Resp: 476087

Ion	Ratio	Lower	Upper
45	100		
59	3.5	2.5	3.7

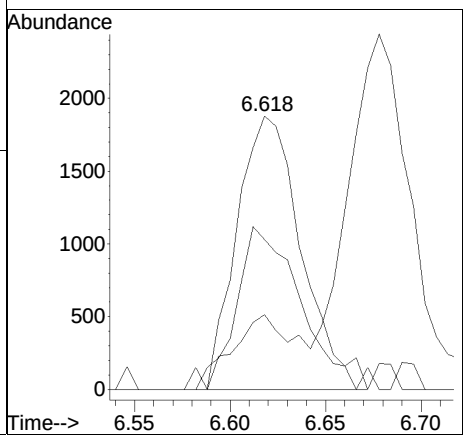


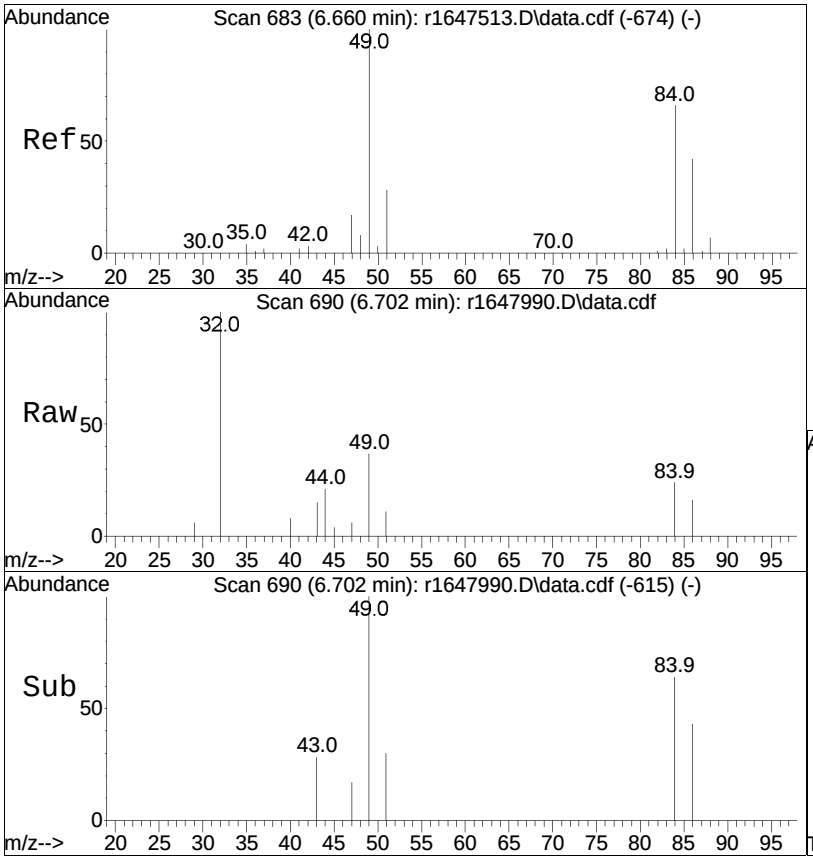


#27
tertiary butyl alcohol
Concen: 0.23 ppbV
RT: 6.618 min Scan# 676
Delta R.T. 0.054 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 59 Resp: 4432

Ion	Ratio	Lower	Upper
59	100		
41	54.8	34.6	52.0#
43	27.4	11.4	17.2#

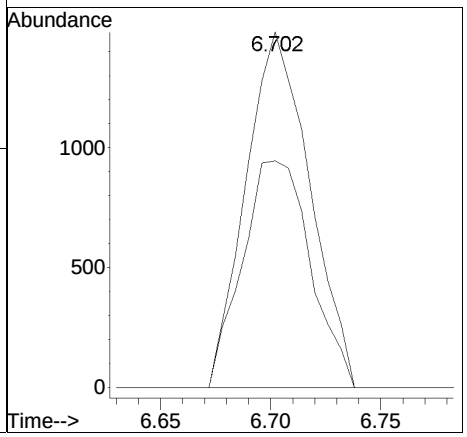


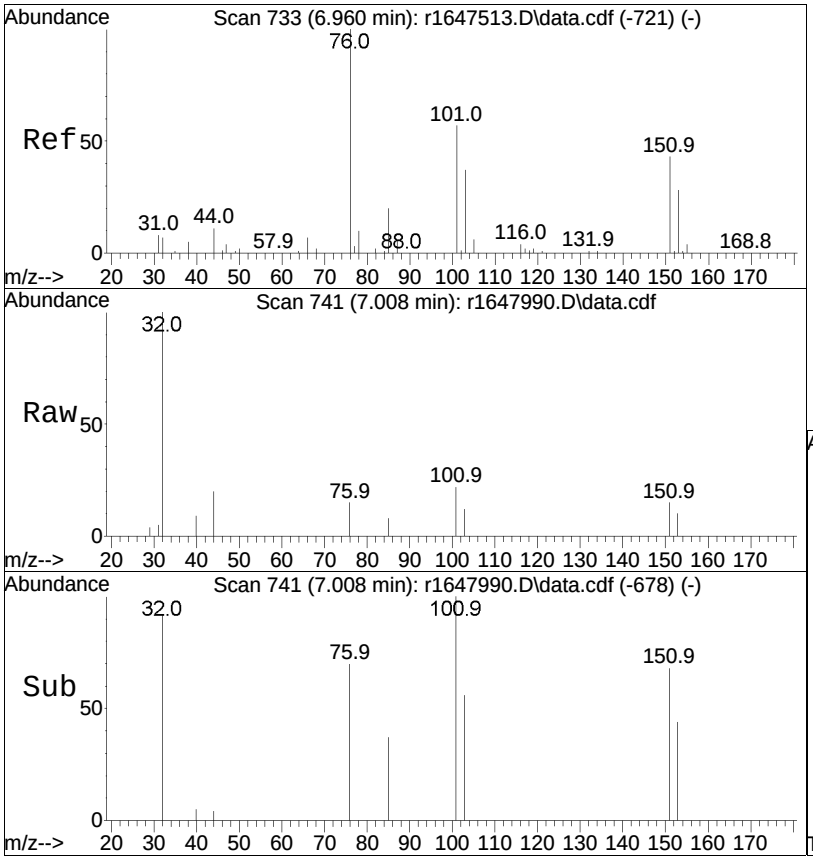


#28
methylene chloride
Concen: 0.17 ppbV
RT: 6.702 min Scan# 690
Delta R.T. 0.042 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 49 Resp: 2991

Ion	Ratio	Lower	Upper
49	100		
84	63.8	52.6	78.8

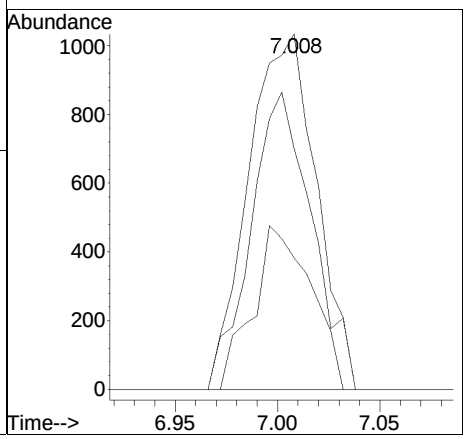


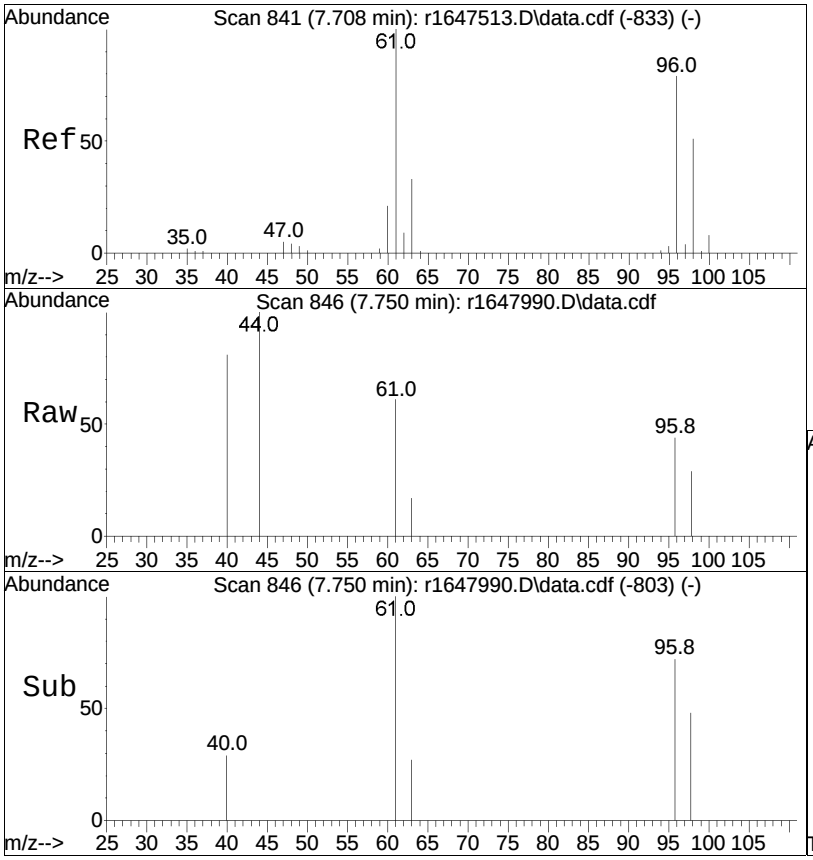


#31
Freon 113
Concen: 0.09 ppbV
RT: 7.008 min Scan# 741
Delta R.T. 0.048 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion:101 Resp: 2385

Ion	Ratio	Lower	Upper
101	100		
85	37.0	28.0	42.0
151	67.9	59.4	89.2

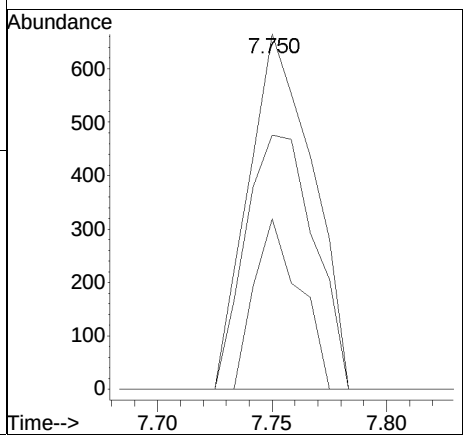


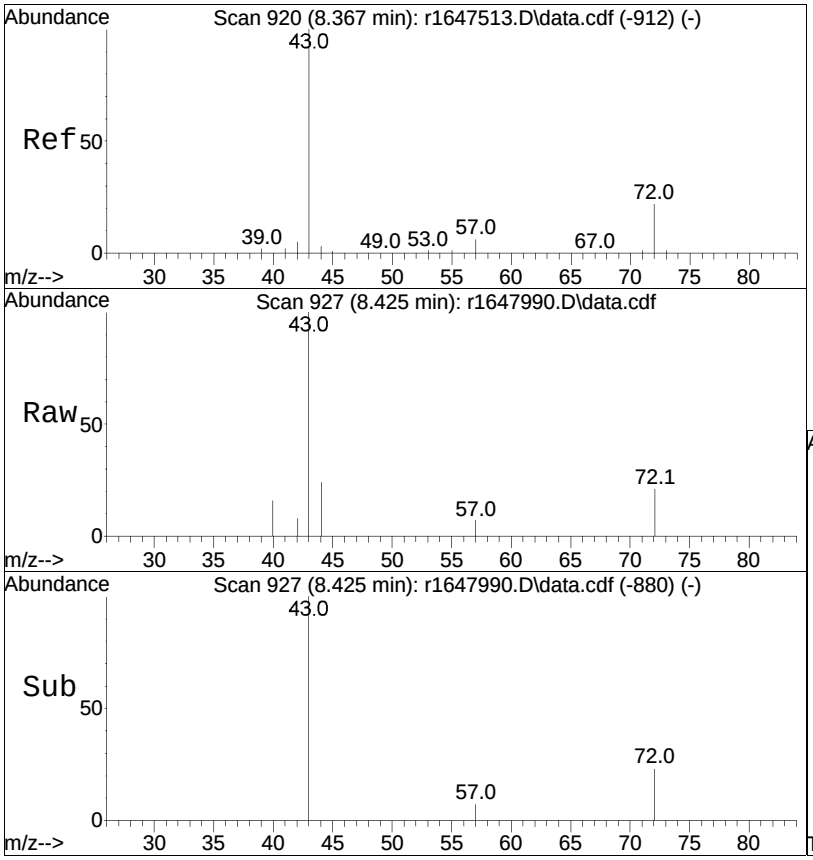


#32
trans-1,2-dichloroethene
Concen: 0.07 ppbV
RT: 7.750 min Scan# 846
Delta R.T. 0.042 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 61 Resp: 1296

Ion	Ratio	Lower	Upper
61	100		
96	71.6	63.0	94.4
98	48.0	40.6	60.8

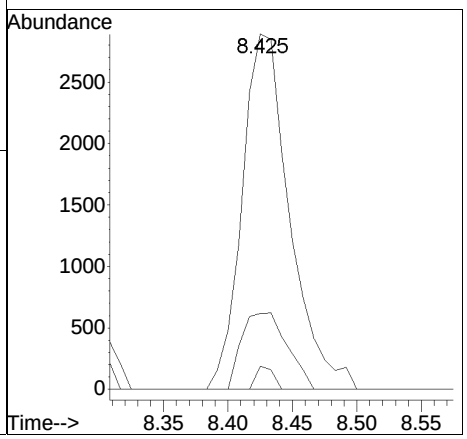


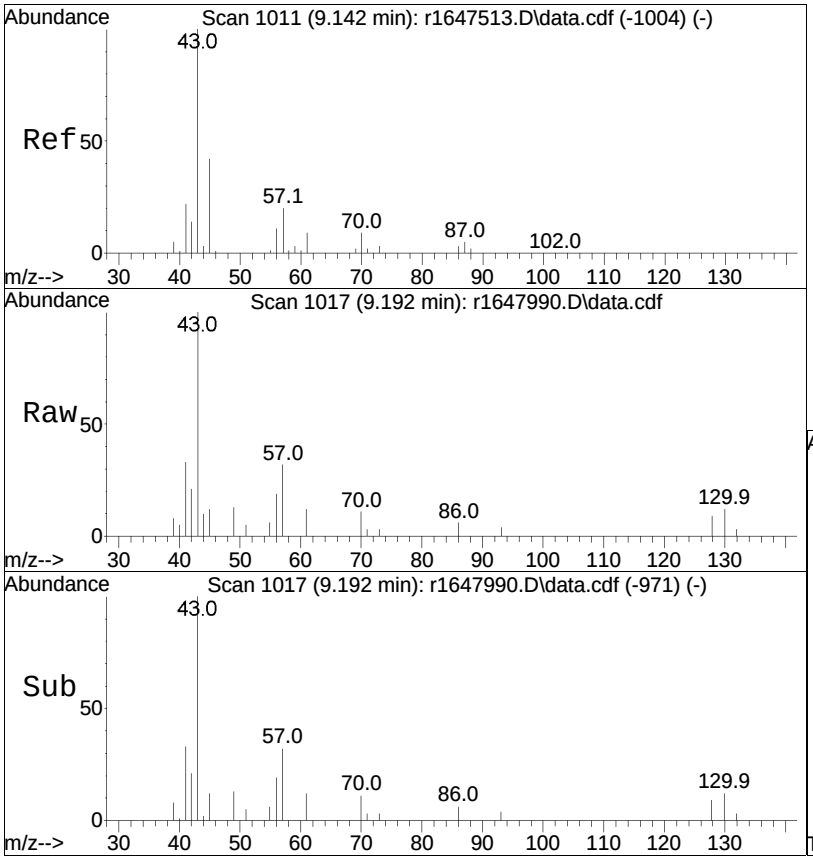


#36
2-butanone
Concen: 0.22 ppbV
RT: 8.425 min Scan# 927
Delta R.T. 0.058 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 43 Resp: 7417

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.7	26.5
57	6.5	4.6	6.8

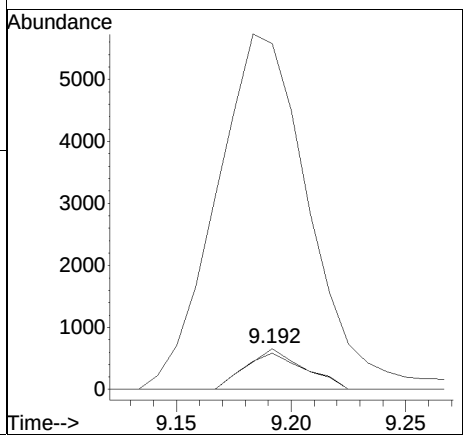


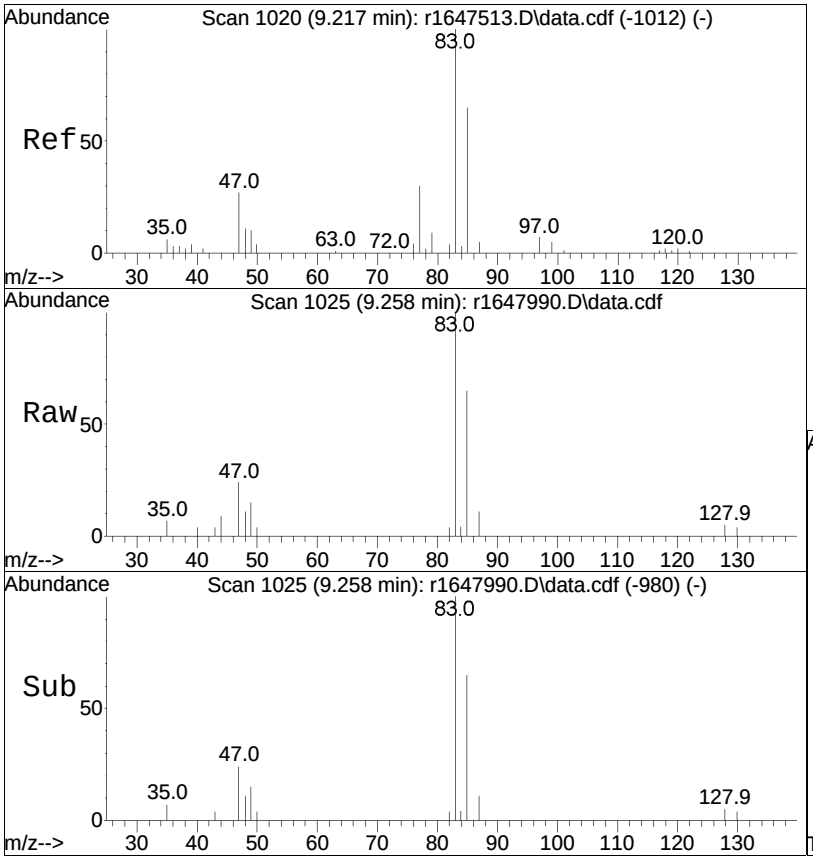


#38
Ethyl Acetate
Concen: 0.26 ppbV
RT: 9.192 min Scan# 1017
Delta R.T. 0.050 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 61 Resp: 1138

Ion	Ratio	Lower	Upper
61	100		
70	89.2	80.3	120.5
43	849.2	925.3	1387.9#

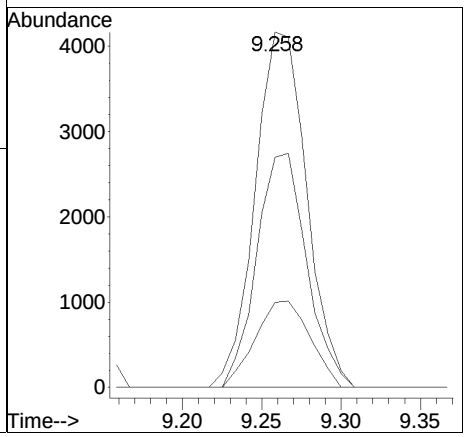


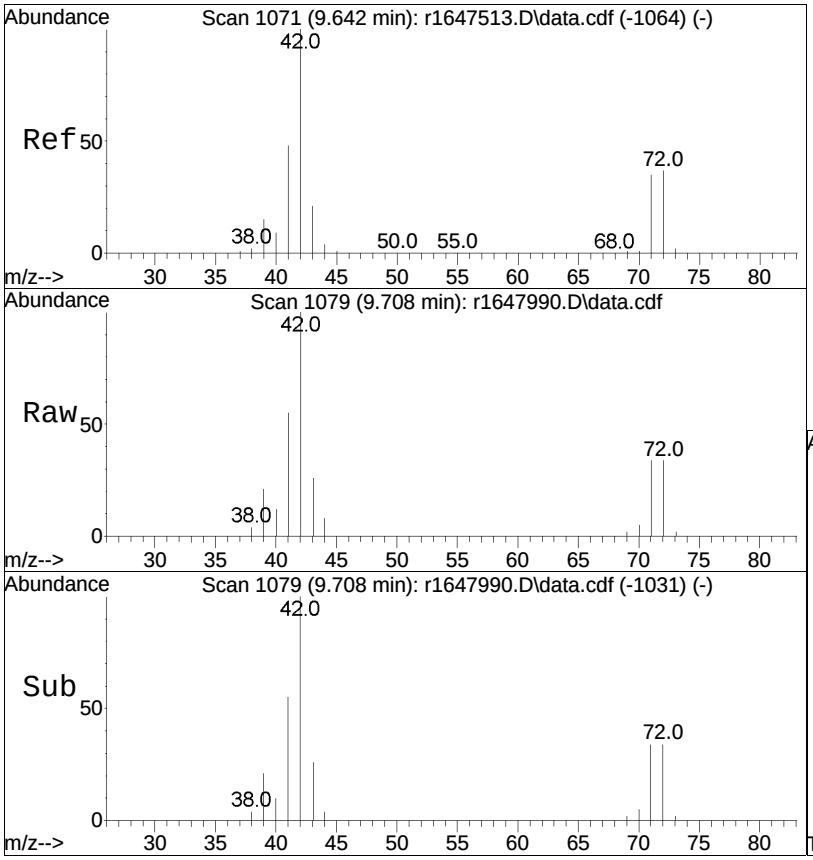


#39
chloroform
Concen: 0.40 ppbV
RT: 9.258 min Scan# 1025
Delta R.T. 0.042 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 83 Resp: 9419

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6
47	24.0	21.7	32.5

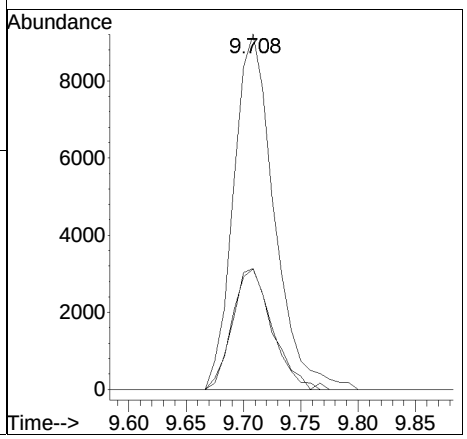


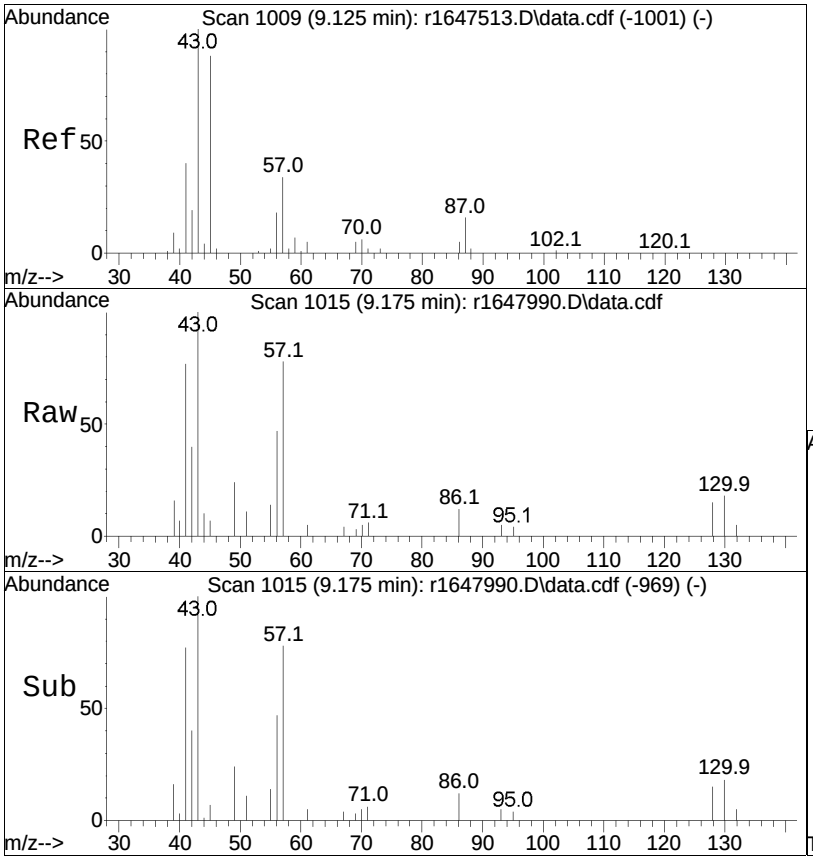


#40
Tetrahydrofuran
Concen: 1.13 ppbV
RT: 9.708 min Scan# 1079
Delta R.T. 0.067 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 42 Resp: 22676

Ion	Ratio	Lower	Upper
42	100		
71	34.0	28.2	42.2
72	33.9	29.8	44.6

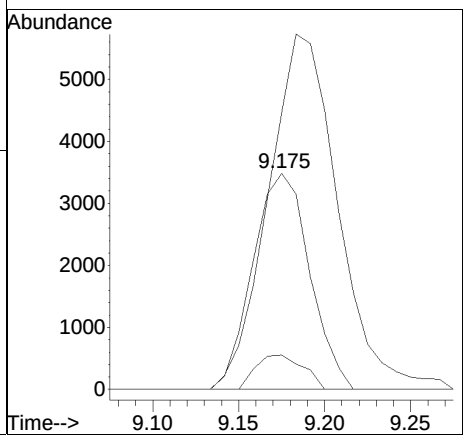


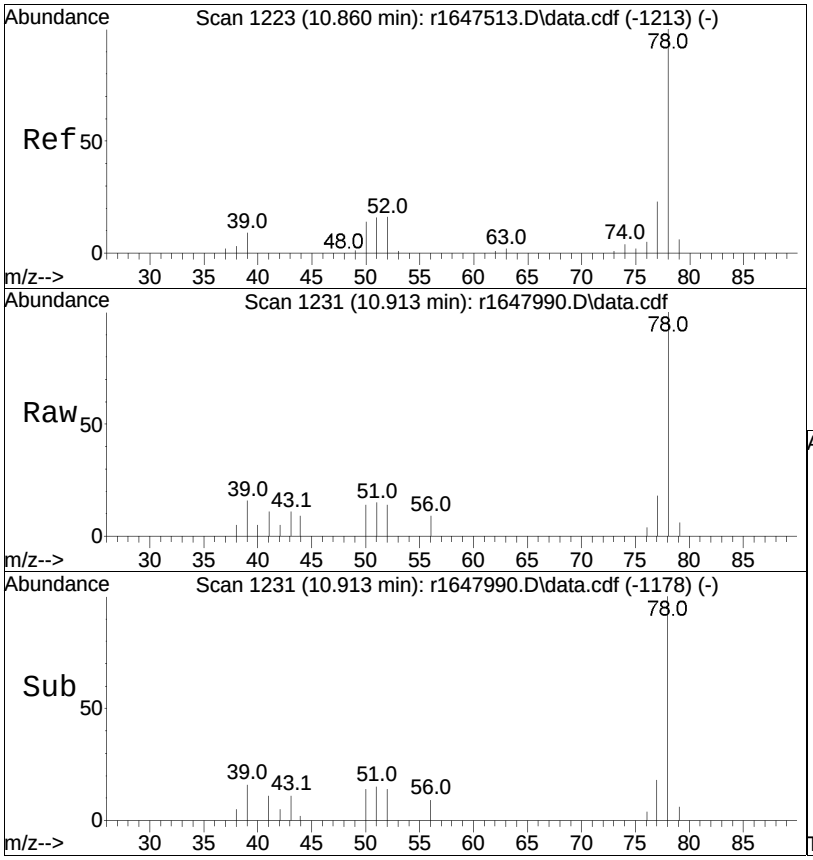


#44
hexane
Concen: 0.37 ppbV
RT: 9.175 min Scan# 1015
Delta R.T. 0.050 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 57 Resp: 8018

Ion	Ratio	Lower	Upper
57	100		
43	128.3	238.6	357.8#
86	15.9	12.3	18.5

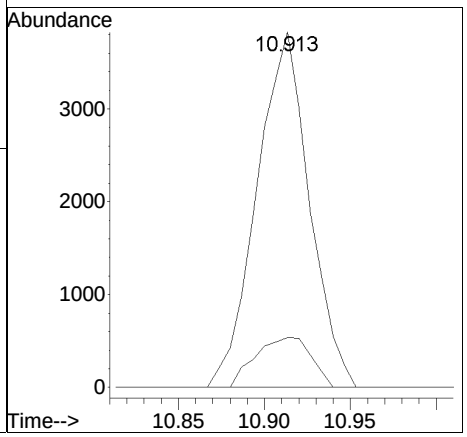


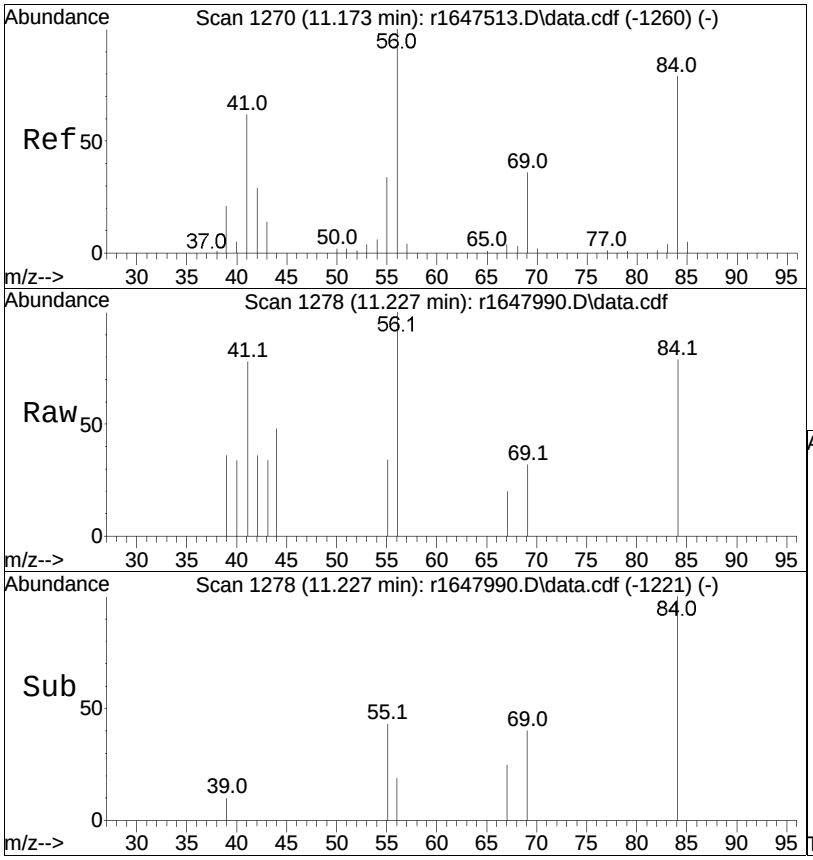


#50
benzene
Concen: 0.16 ppbV
RT: 10.913 min Scan# 1231
Delta R.T. 0.053 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 78 Resp: 8118

Ion	Ratio	Lower	Upper
78	100		
52	14.0	12.5	18.7

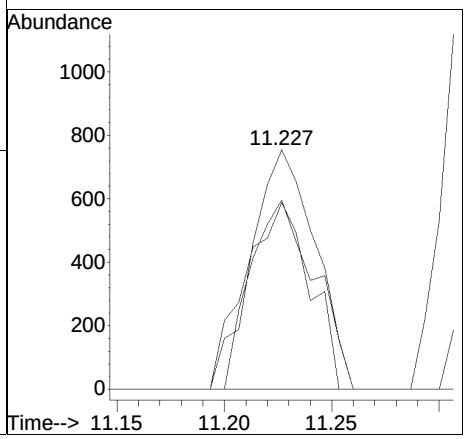


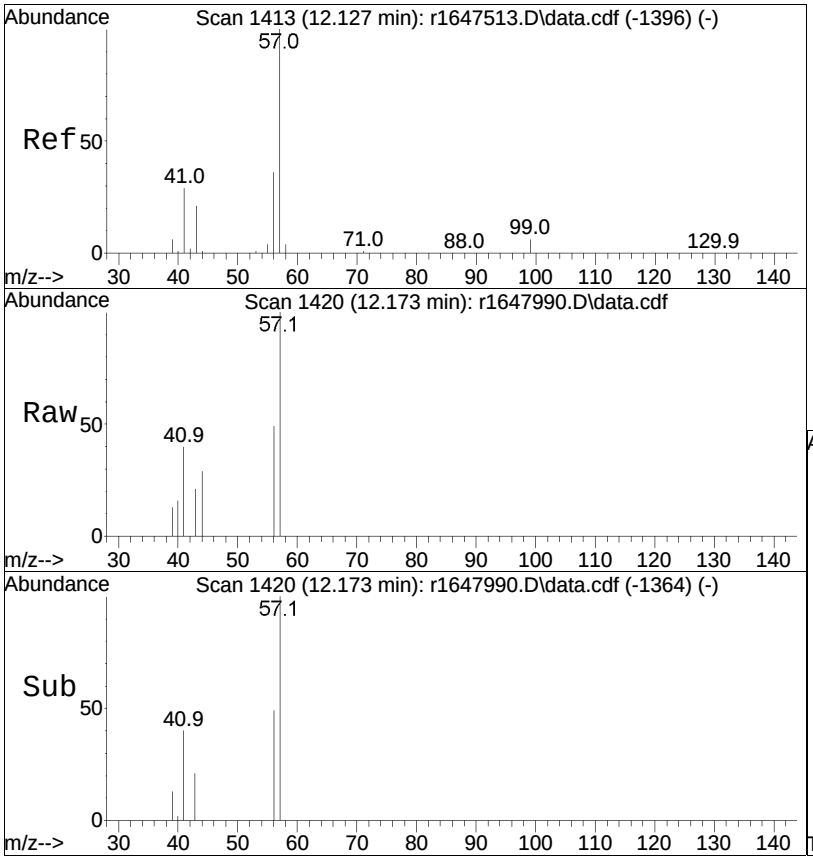


#53
cyclohexane
Concen: 0.07 ppbV
RT: 11.227 min Scan# 1278
Delta R.T. 0.053 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 56 Resp: 1562

Ion	Ratio	Lower	Upper
56	100		
84	79.0	63.4	95.0
41	78.0	49.8	74.6#

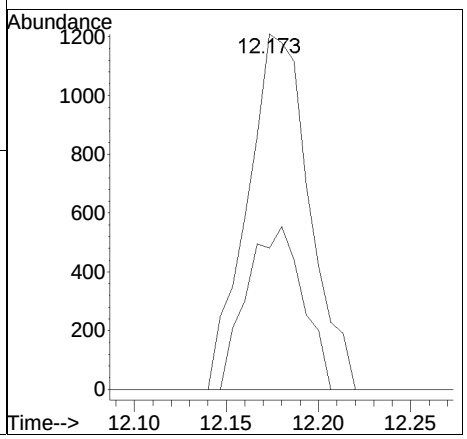


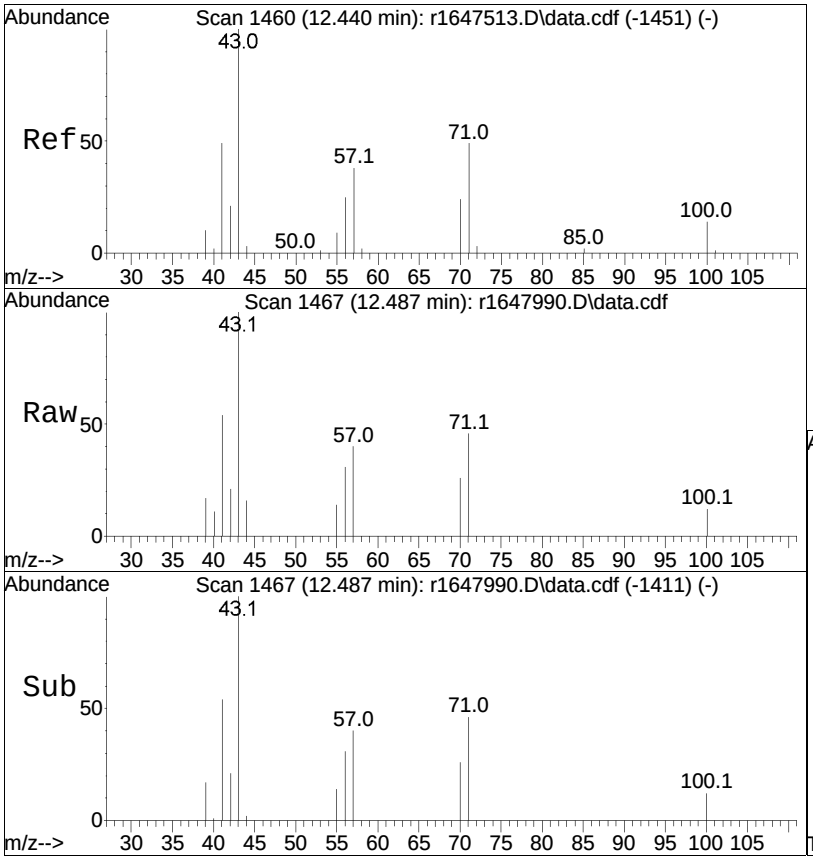


#60
2,2,4-trimethylpentane
Concen: 0.04 ppbV
RT: 12.173 min Scan# 1420
Delta R.T. 0.047 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 57 Resp: 2833

Ion	Ratio	Lower	Upper
57	100		
99	0.0	4.6	7.0#
41	39.8	23.0	34.6#

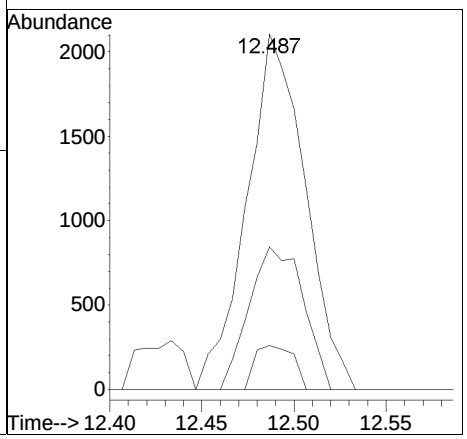


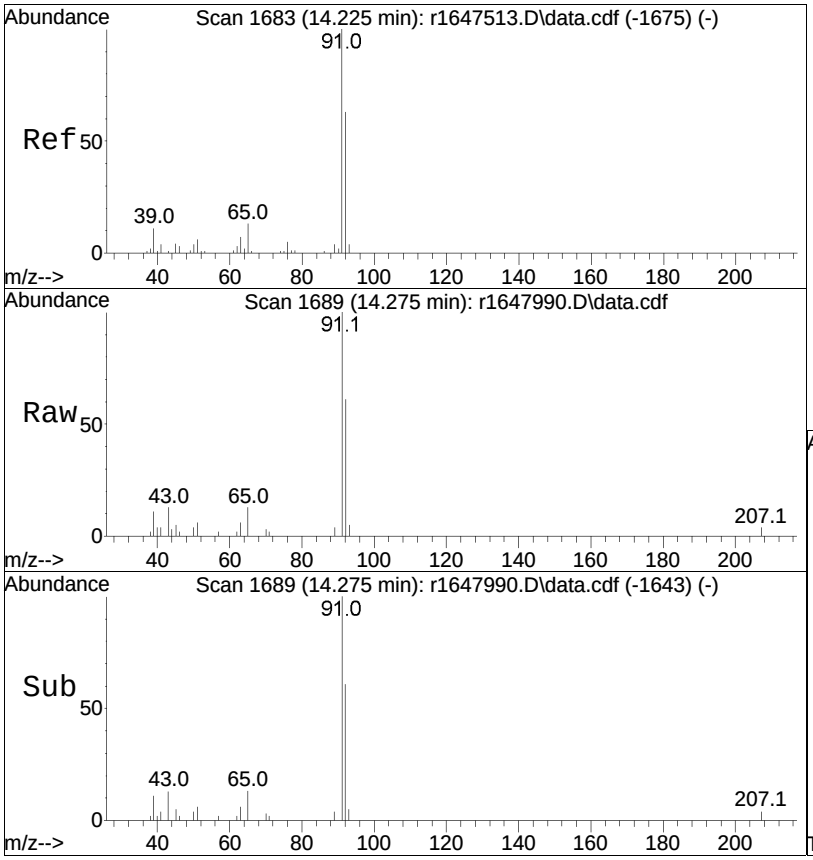


#62
heptane
Concen: 0.13 ppbV
RT: 12.487 min Scan# 1467
Delta R.T. 0.047 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 43 Resp: 4643

Ion	Ratio	Lower	Upper
43	100		
57	40.1	30.5	45.7
100	12.3	11.1	16.7

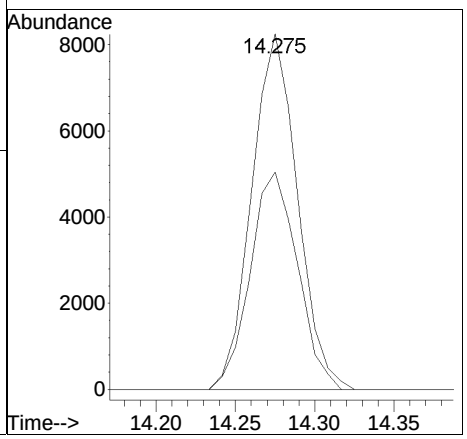


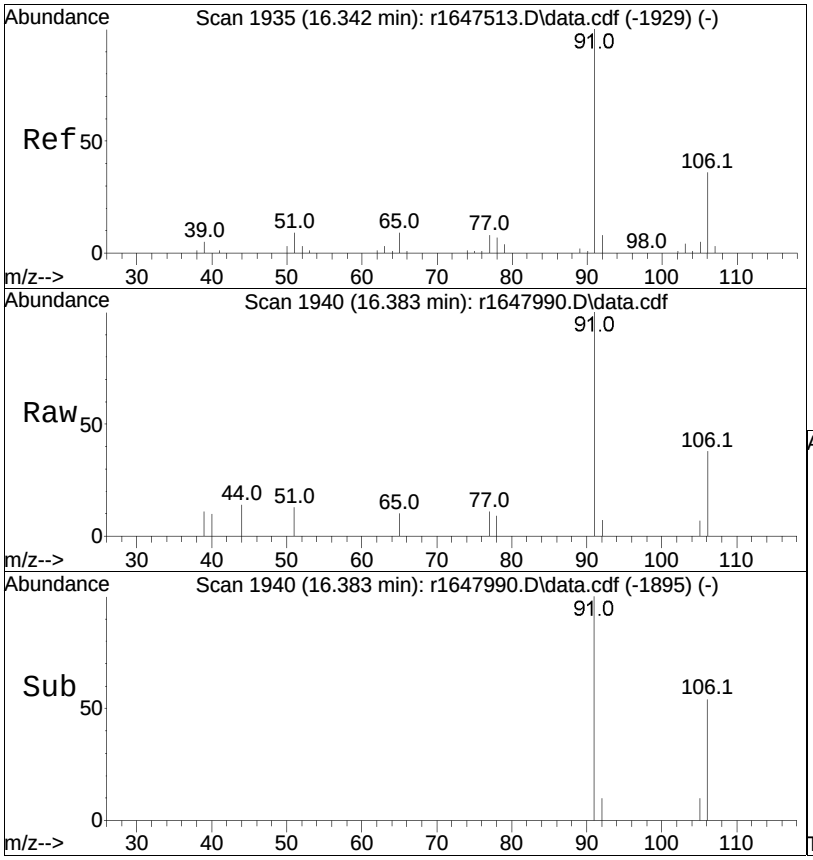


#68
toluene
Concen: 0.27 ppbV
RT: 14.275 min Scan# 1689
Delta R.T. 0.050 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 91 Resp: 16518

Ion	Ratio	Lower	Upper
91	100		
92	61.2	50.8	76.2

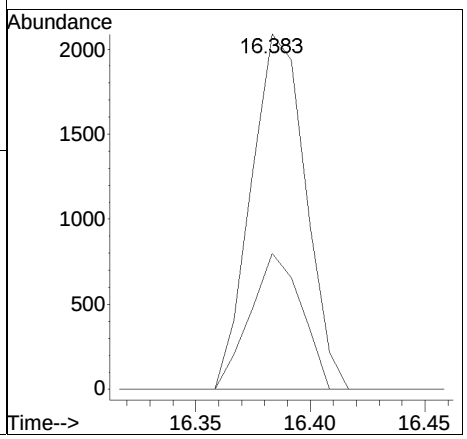


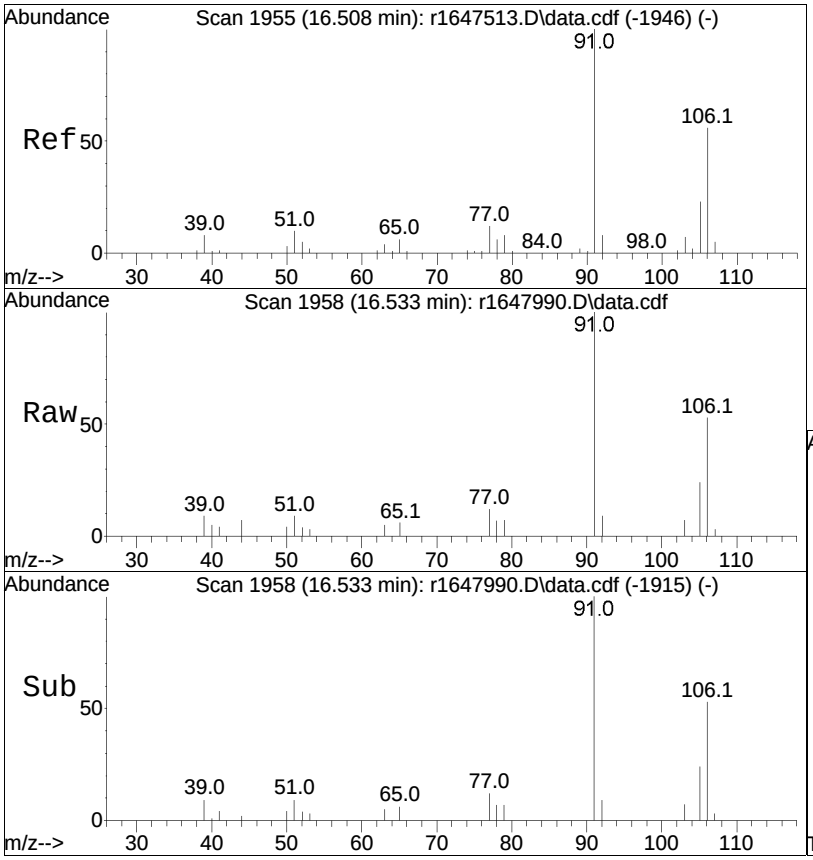


#81
ethylbenzene
Concen: 0.05 ppbV
RT: 16.383 min Scan# 1940
Delta R.T. 0.042 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 91 Resp: 3448

Ion	Ratio	Lower	Upper
91	100		
106	38.3	29.0	43.6

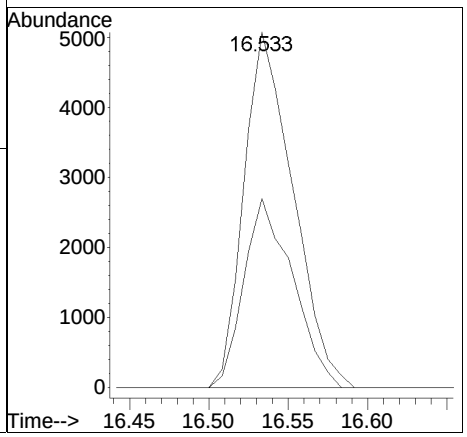


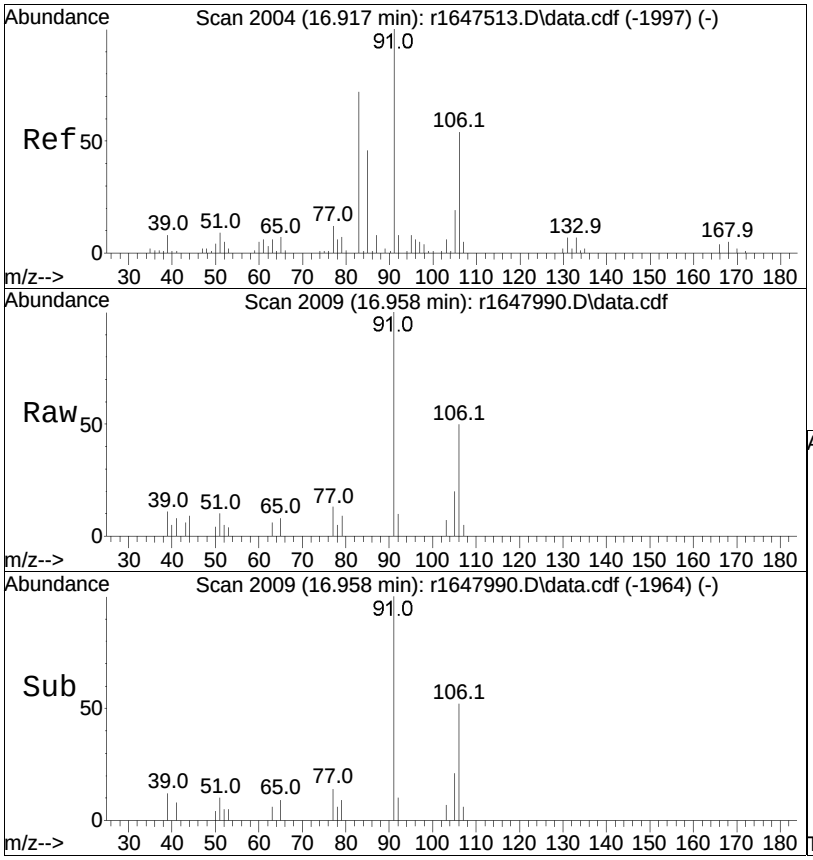


#83
m+p-xylene
Concen: 0.18 ppbV
RT: 16.533 min Scan# 1958
Delta R.T. 0.025 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 91 Resp: 10916

Ion	Ratio	Lower	Upper
91	100		
106	53.1	45.0	67.4

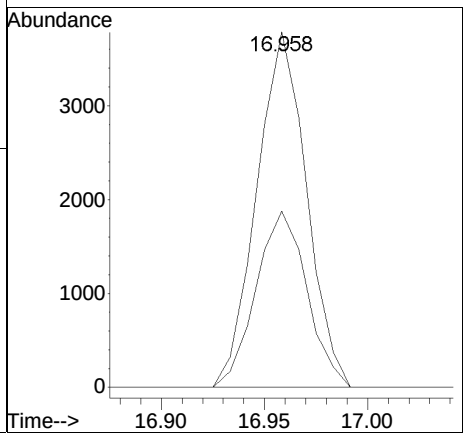


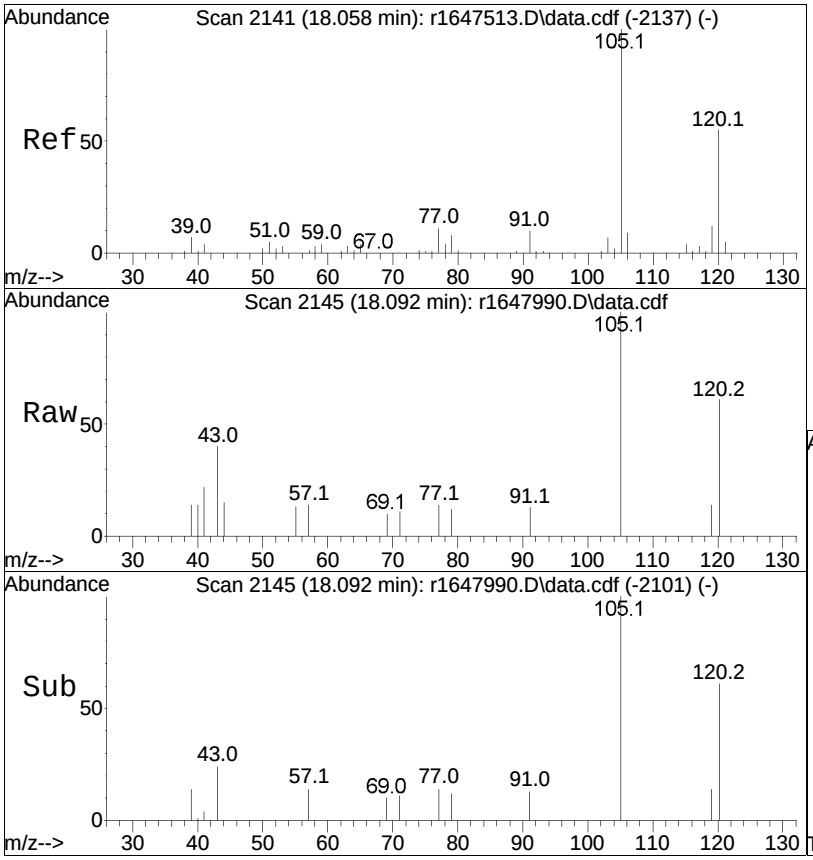


#87
o-xylene
Concen: 0.10 ppbV
RT: 16.958 min Scan# 2009
Delta R.T. 0.042 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion: 91 Resp: 6344

Ion	Ratio	Lower	Upper
91	100		
106	49.6	43.2	64.8

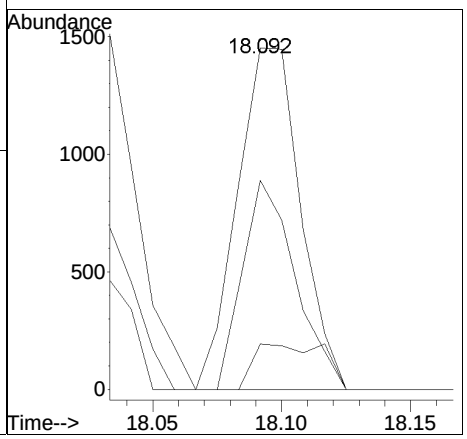


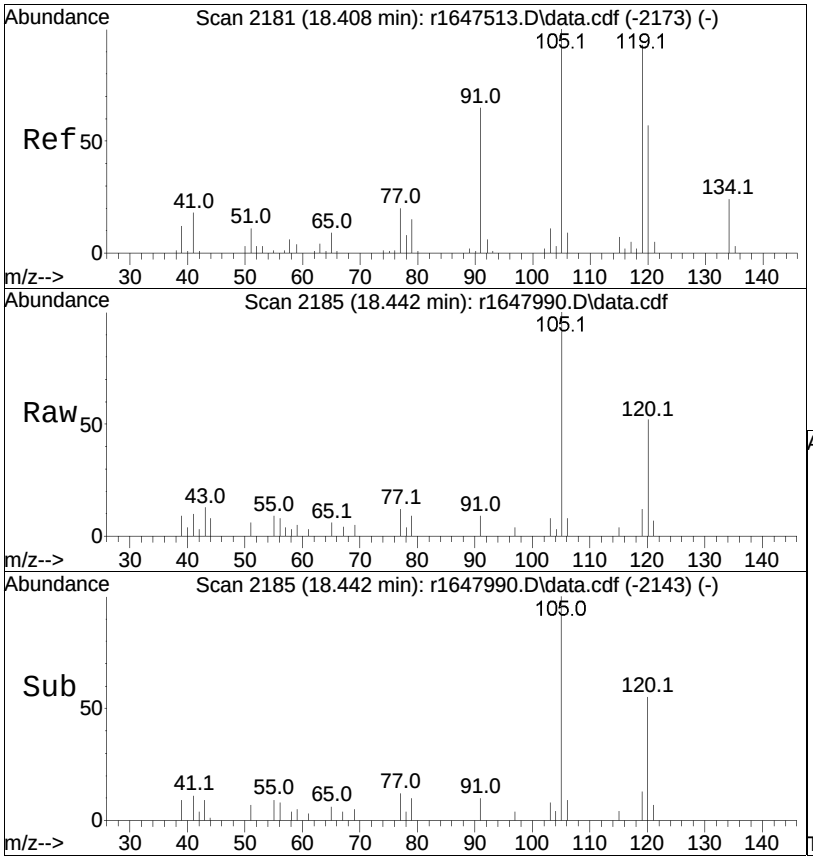


#97
1,3,5-trimethylbenzene
Concen: 0.03 ppbV
RT: 18.092 min Scan# 2145
Delta R.T. 0.033 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion:105 Resp: 2477

Ion	Ratio	Lower	Upper
105	100		
120	61.3	44.2	66.2
91	13.3	7.7	11.5#

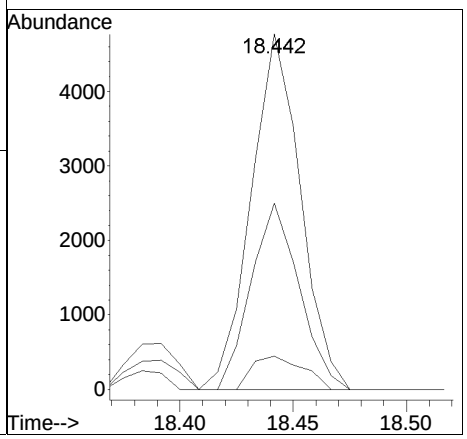




#99
1,2,4-trimethylbenzene
Concen: 0.10 ppbV m
RT: 18.442 min Scan# 2185
Delta R.T. 0.033 min
Lab File: r1647990.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion:105 Resp: 7221

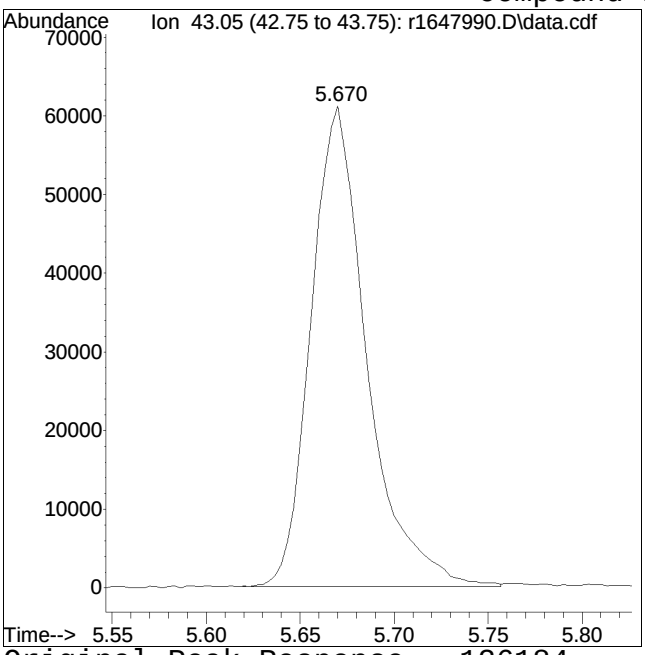
Ion	Ratio	Lower	Upper
105	100		
120	52.4	45.9	68.9
91	9.4	51.9	77.9#



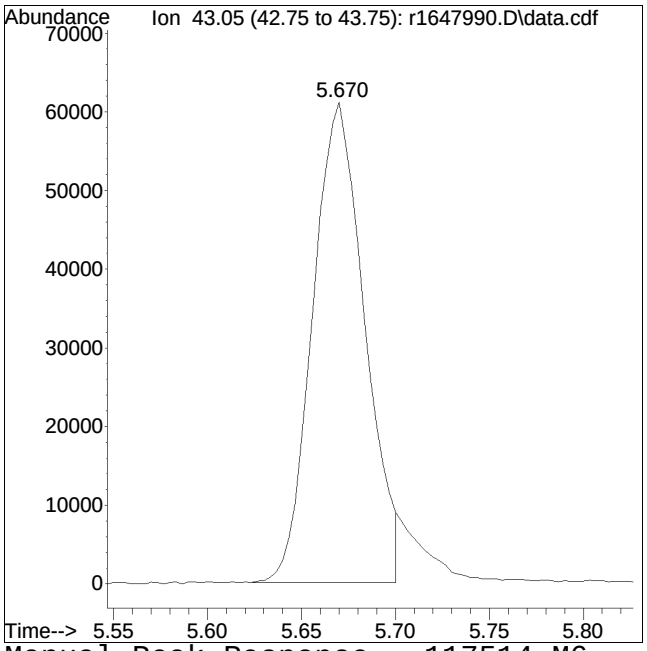
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647990.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 8:12 PM Instrument :
Sample : L2500525-02,3,250,250 Quant Date : 1/19/2025 12:07 pm

Compound #19: acetone



Original Peak Response = 126184



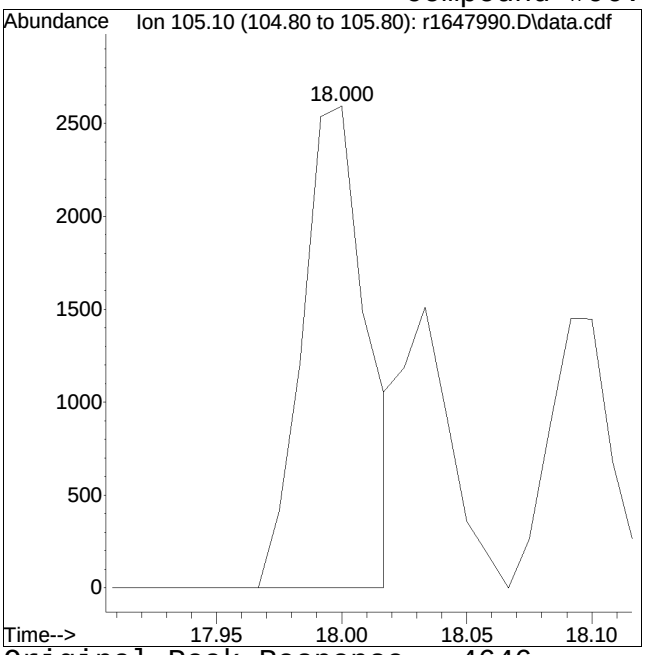
Manual Peak Response = 117514 M6

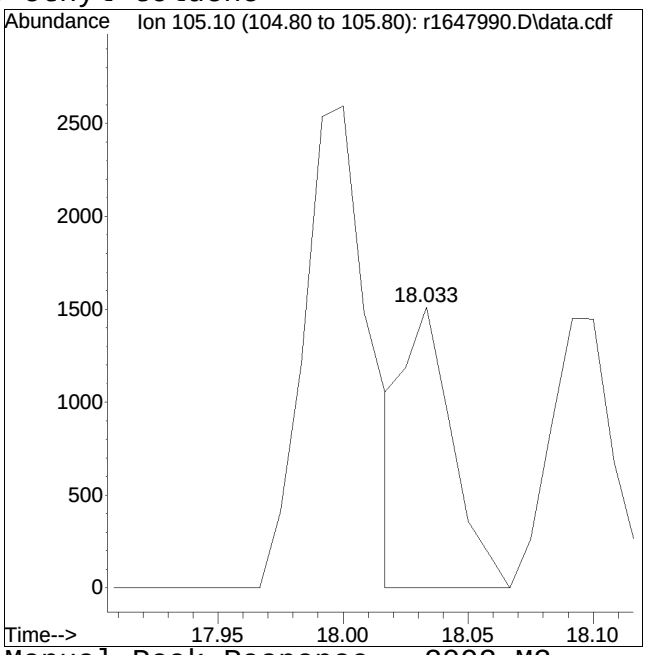
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647990.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 8:12 PM Instrument :
Sample : L2500525-02,3,250,250 Quant Date : 1/19/2025 12:07 pm

Compound #96: 4-ethyl toluene





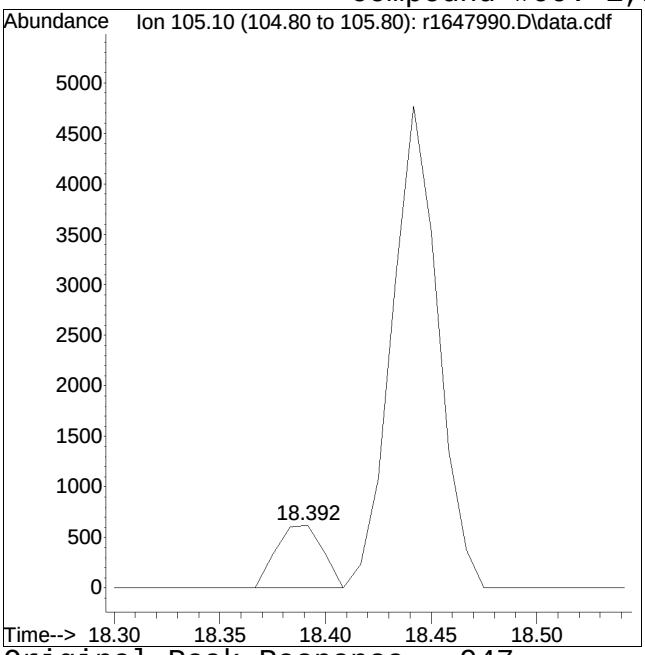
Original Peak Response = 4646 Manual Peak Response = 2093 M3

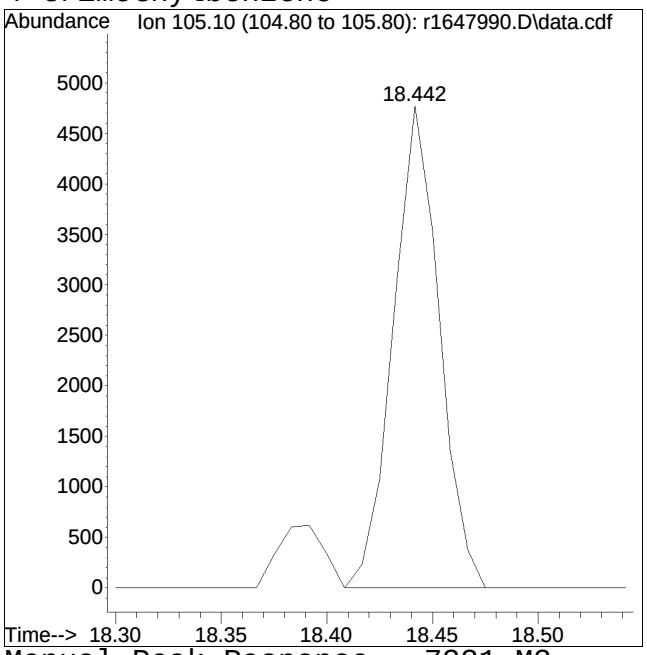
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647990.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 8:12 PM Instrument :
Sample : L2500525-02,3,250,250 Quant Date : 1/19/2025 12:07 pm

Compound #99: 1,2,4-trimethylbenzene





Original Peak Response = 947 Manual Peak Response = 7221 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Instrument ID	: AIRLAB16	**Ical Ref**	: ICAL21800
Calibration dates	: 12/19/24 21:40 12/20/24 02:28		

Calibration Files
0.2 =r1647509.D 0.5 =r1647510.D 1.0 =r1647511.D 5.0 =r1647512.D 10 =r1647513.D 20 =r1647514.D
50 =r1647515.D 100 =r1647516.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1)	I	bromochloromethane	ISTD									
2)		chlorodifluoromethane	0.805	0.836	0.843	0.778	0.787	0.784	0.736	0.679	0.781	6.86
3)		propylene		0.503	0.463	0.424	0.429	0.403	0.382		0.434	9.98
4)		propane		0.636	0.586	0.514	0.502	0.511	0.502		0.542	10.38
5)		dichlorodifluoromethane	0.930	0.990	1.008	0.943	0.882	0.865	0.805	0.773	0.900	9.30
6)	C	chloromethane	0.541	0.533	0.535	0.493	0.474	0.463	0.436	0.412	0.486	9.90
7)		Freon-114	1.020	1.037	1.073	1.005	0.977	0.962	0.875	0.774	0.965	10.08
8)	C	methanol			0.270	0.228	0.220	0.193	0.185	0.179	0.212	16.19
9)	C	vinyl chloride	0.414	0.449	0.447	0.426	0.420	0.418	0.399	0.381	0.419	5.45
10)	C	1,3-butadiene	0.393	0.376	0.387	0.367	0.366	0.362	0.339	0.320	0.364	6.69
11)		butane	0.784	0.812	0.788	0.728	0.710	0.677	0.613	0.561	0.709	12.51
12)	C	acetaldehyde		0.366	0.339	0.259	0.251	0.248	0.233	0.211	0.273	21.07
13)	C	bromomethane	0.373	0.378	0.387	0.363	0.357	0.361	0.334	0.314	0.358	6.70
14)	C	chloroethane	0.234	0.206	0.208	0.193	0.192	0.197	0.182	0.172	0.198	9.46
15)		ethanol			0.404	0.351	0.341	0.338	0.297	0.278	0.335	13.21
16)		dichlorofluoromethane	0.720	0.758	0.794	0.747	0.735	0.739	0.663	0.611	0.721	8.04
17)	C	vinyl bromide	0.359	0.371	0.392	0.370	0.369	0.382	0.342	0.307	0.361	7.37
18)	C	acrolein		0.259	0.231	0.192	0.188	0.202	0.189	0.222	0.212	12.63
19)		acetone	0.612	0.873	0.575	0.498	0.491	0.503	0.433	0.518	0.563	24.23
20)	C	acetonitrile	0.498	0.427	0.468	0.410	0.408	0.433	0.393	0.313	0.419	13.10
21)		trichlorofluoromethane	0.591	0.900	0.613	0.876	0.578	0.890	0.534	0.648	0.703	22.23
22)		isopropyl alcohol	0.970	1.142	1.066	0.986	0.969	1.038	0.867	0.801	0.980	11.07
23)	C	acrylonitrile	0.396	0.409	0.428	0.402	0.410	0.445	0.448	0.443	0.423	4.99
24)		pentane	1.258	1.279	1.274	1.195	1.187	1.226	1.057	0.902	1.172	11.15
25)		ethyl ether	0.758	0.794	0.812	0.781	0.784	0.838	0.789	0.784	0.793	3.00
26)	C	1,1-dichloroethene	0.694	0.739	0.740	0.723	0.718	0.754	0.652	0.586	0.701	8.01
27)		tertiary butyl alcohol		0.684	0.723	0.731	0.748	0.808	0.735	0.683	0.730	5.81
28)	C	methylene chloride		0.724	0.730	0.663	0.664	0.710	0.681	0.636	0.687	5.14
29)	C	3-chloropropene	0.757	0.773	0.787	0.761	0.772	0.814	0.718	0.628	0.751	7.58
30)	C	carbon disulfide	2.229	1.888	1.811	1.632	1.627	1.737	1.621	1.414	1.745	13.87
31)		Freon 113	1.033	1.067	1.074	1.037	1.023	1.079	0.958	0.833	1.013	8.13
32)		trans-1,2-dichloroethene	0.673	0.710	0.745	0.712	0.717	0.757	0.665	0.602	0.698	7.12
33)	C	1,1-dichloroethane	0.911	0.965	0.990	0.937	0.942	0.991	0.866	0.772	0.922	7.97
34)	C	MTBE	1.064	1.179	1.194	1.169	1.188	1.274	1.182	1.070	1.165	5.89
35)	C	vinyl acetate			1.223	1.011	1.041	1.244	1.145	1.021	1.114	9.36
36)	C	2-butanone		1.398	1.413	1.325	1.333	1.414	1.248	1.095	1.318	8.74

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Keystone Environmental Services**	**Lab Number**	**: L2500525**
Project Name	**: BINGHAMTON PLAZA**	**Project Number**	**: 0426.01214.10**
Instrument ID	**: AIRLAB16**	**Ical Ref**	**: ICAL21800**
Calibration dates	**: 12/19/24 21:40 12/20/24 02:28**		

Calibration Files
0.2 =r1647509.D 0.5 =r1647510.D 1.0 =r1647511.D 5.0 =r1647512.D 10 =r1647513.D 20 =r1647514.D
50 =r1647515.D 100 =r1647516.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
37)		cis-1,2-dichloroethene	0.657	0.694	0.709	0.699	0.690	0.735	0.647	0.582	0.677	7.02
38)		Ethyl Acetate	0.147	0.173	0.184	0.174	0.174	0.189	0.172	0.159	0.172	7.73
39)	C	chloroform	0.926	0.937	0.962	0.918	0.899	0.964	0.873	0.807	0.911	5.68
40)		Tetrahydrofuran	0.873	0.778	0.795	0.777	0.773	0.827	0.736	0.647	0.776	8.50
41)		2,2-dichloropropane	0.506	0.538	0.567	0.580	0.600	0.664	0.626	0.570	0.581	8.48
42)	C	1,2-dichloroethane	0.596	0.584	0.589	0.553	0.543	0.565	0.465	0.403	0.537	12.71
43)	I	1,4-difluorobenzene	----------ISTD----------									
44)	C	hexane	0.304	0.315	0.315	0.303	0.303	0.324	0.308	0.290	0.308	3.33
45)		diisopropyl ether	0.153	0.163	0.171	0.168	0.167	0.180	0.171	0.164	0.167	4.60
46)		tert-butyl ethyl ether	0.472	0.487	0.520	0.514	0.519	0.554	0.510	0.486	0.508	5.08
47)	s	1,2-dichloroethane-D4	0.230	0.228	0.233	0.220	0.219	0.226	0.191	0.168	0.214	10.62
48)	C	1,1,1-trichloroethane	0.278	0.294	0.306	0.293	0.298	0.319	0.281	0.248	0.290	7.32
49)		1,1-dichloropropene	0.292	0.299	0.312	0.303	0.301	0.329	0.318	0.295	0.306	4.14
50)	C	benzene	0.767	0.725	0.739	0.680	0.680	0.737	0.732	0.693	0.719	4.38
51)		thiophene	0.439	0.465	0.472	0.575	0.581	0.505	0.488	0.471	0.500	10.39
52)	C	carbon tetrachloride	0.246	0.262	0.266	0.264	0.269	0.293	0.272	0.246	0.265	5.60
53)		cyclohexane	0.306	0.326	0.335	0.320	0.323	0.347	0.336	0.330	0.328	3.76
54)		tert-amyl methyl ether	0.460	0.474	0.488	0.483	0.498	0.552	0.535	0.504	0.499	6.18
55)		dibromomethane	0.215	0.221	0.228	0.222	0.220	0.232	0.209	0.191	0.217	5.97
56)	C	1,2-dichloropropane	0.244	0.254	0.257	0.249	0.249	0.265	0.239	0.220	0.247	5.49
57)		bromodichloromethane	0.315	0.344	0.347	0.336	0.340	0.367	0.345	0.327	0.340	4.48
58)	C	1,4-dioxane	0.149	0.145	0.140	0.141	0.141	0.156	0.149	0.143	0.145	3.73
59)	C	trichloroethene	0.289	0.300	0.316	0.298	0.299	0.318	0.295	0.272	0.298	4.87
60)	C	2,2,4-trimethylpentane	0.992	1.028	1.052	1.013	1.012	1.050	0.985	0.932	1.008	3.87
61)		methyl methacrylate		0.253	0.275	0.267	0.276	0.308	0.274	0.244	0.271	7.57
62)		heptane	0.490	0.505	0.519	0.495	0.494	0.525	0.475	0.417	0.490	6.85
63)	C	cis-1,3-dichloropropene	0.289	0.300	0.319	0.319	0.334	0.376	0.372	0.351	0.333	9.62
64)	C	4-methyl-2-pentanone		0.591	0.608	0.592	0.604	0.654	0.587	0.516	0.593	6.91
65)		trans-1,3-dichloropropene	0.201	0.201	0.213	0.229	0.243	0.283	0.282	0.269	0.240	14.34
66)	C	1,1,2-trichloroethane	0.279	0.288	0.292	0.278	0.280	0.300	0.274	0.251	0.280	5.18
67)	I	chlorobenzene-D5	----------ISTD----------									
68)	C	toluene	6.509	6.327	6.415	5.991	5.939	6.475	6.107	5.638	6.175	4.99
69)	s	toluene-D8	6.309	6.372	6.485	6.056	6.136	6.743	6.535	6.307	6.368	3.46
70)		2-methylthiophene	5.153	5.706	5.695	6.937	6.839	5.947	5.610	5.098	5.873	11.73
71)		1,3-dichloropropane	2.546	2.794	2.859	2.746	2.765	3.073	3.101	2.873	2.845	6.33
72)		2-hexanone	3.588	3.787	3.928	3.912	3.978	4.498	4.169	3.607	3.933	7.59

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Keystone Environmental Services**	**Lab Number**	**: L2500525**
Project Name	**: BINGHAMTON PLAZA**	**Project Number**	**: 0426.01214.10**
Instrument ID	**: AIRLAB16**	**Ical Ref**	**: ICAL21800**
Calibration dates	**: 12/19/24 21:40 12/20/24 02:28**		

Calibration Files
0.2 =r1647509.D 0.5 =r1647510.D 1.0 =r1647511.D 5.0 =r1647512.D 10 =r1647513.D 20 =r1647514.D
50 =r1647515.D 100 =r1647516.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
73)		3-methylthiophene	6.306	5.903	6.003	7.399	7.336	6.309	5.807	5.190	6.282	12.03
74)		dibromochloromethane	2.405	2.625	2.639	2.656	2.693	2.954	2.832	2.633	2.680	6.00
75)	C	1,2-dibromoethane	2.736	2.904	3.006	2.972	2.988	3.356	3.264	2.982	3.026	6.51
76)		butyl acetate		0.573	0.609	0.619	0.646	0.802	0.825	0.762	0.691	14.84
77)		octane	1.915	2.046	2.106	2.040	2.031	2.205	2.195	2.132	2.084	4.62
78)	C	tetrachloroethene	2.479	2.681	2.664	2.518	2.520	2.744	2.647	2.442	2.587	4.26
79)		1,1,1,2-tetrachloroethane	1.873	2.054	2.090	2.073	2.077	2.288	2.142	1.914	2.064	6.25
80)	C	chlorobenzene	4.647	4.941	5.079	4.759	4.829	5.309	5.211	4.611	4.923	5.24
81)	C	ethylbenzene	7.252	7.855	8.173	7.763	7.708	8.312	7.776	6.995	7.729	5.62
82)		2-ethylthiophene	5.681	6.258	6.588	8.163	8.130	6.907	6.454	5.620	6.725	14.55
83)	C	m+p-xylene	5.995	6.425	6.602	6.141	6.046	6.407	6.039	5.277	6.117	6.62
84)	C	bromoform	1.890	2.117	2.209	2.162	2.201	2.467	2.473	2.302	2.228	8.57
85)	C	styrene	4.336	4.683	4.958	5.015	5.058	5.710	5.669	5.041	5.059	9.06
86)	C	1,1,2,2-tetrachloroethane	4.087	4.629	4.892	4.573	4.459	4.850	4.740	4.148	4.547	6.62
87)	C	o-xylene	6.222	6.640	6.904	6.322	6.174	6.468	5.991	5.145	6.233	8.41
88)		1,2,3-trichloropropane	2.868	3.395	3.597	3.459	3.453	3.808	3.876	3.586	3.505	8.81
89)		nonane	5.399	6.013	6.290	6.065	5.974	6.351	5.912	4.992	5.874	7.81
90)	s	bromofluorobenzene	4.335	4.406	4.460	4.245	4.183	4.492	4.439	4.328	4.361	2.48
91)	C	isopropylbenzene	7.409	8.288	8.510	8.294	8.258	8.890	8.603	7.462	8.214	6.38
92)		bromobenzene	3.919	4.413	4.536	4.367	4.371	4.792	4.892	4.506	4.474	6.62
93)		2-chlorotoluene	2.086	2.520	2.616	2.478	2.506	2.653	2.584	2.391	2.479	7.22
94)		n-propylbenzene	2.191	2.641	2.814	2.717	2.704	2.875	2.863	2.641	2.681	8.14
95)		4-chlorotoluene	1.975	2.395	2.471	2.452	2.418	2.611	2.546	2.402	2.409	7.90
96)		4-ethyl toluene	6.526	8.192	8.789	8.453	8.484	9.241	8.980	7.863	8.316	10.16
97)		1,3,5-trimethylbenzene	6.121	7.292	7.573	7.271	7.147	7.912	7.609	6.590	7.189	8.09
98)		tert-butylbenzene	6.746	7.824	8.321	7.775	7.570	7.995	7.321	6.125	7.460	9.59
99)		1,2,4-trimethylbenzene	6.462	7.126	7.652	7.381	7.309	7.856	7.054	5.779	7.077	9.48
100)		decane	4.910	5.711	6.212	5.737	5.603	5.894	5.728	5.314	5.639	6.88
101)	C	Benzyl Chloride	1.158	1.658	2.314	2.931	3.390	4.144	4.534	4.377	3.063	41.57#
102)		1,3-dichlorobenzene	3.310	5.093	5.483	5.411	5.409	6.054	5.717	5.048	5.191	15.91
103)	C	1,4-dichlorobenzene	3.537	5.024	5.410	5.285	5.446	5.778	5.757	5.084	5.165	13.80
104)		sec-butylbenzene	0.882	1.061	1.119	1.068	1.076	1.156	1.086	0.927	1.047	8.97
105)		1,2,3-trimethylbenzene	5.628	6.820	7.176	6.711	6.695	7.343	6.611	5.483	6.558	10.20
106)		p-isopropyltoluene	7.604	9.264	9.963	9.323	9.086	9.557	8.958	7.265	8.878	10.65
107)		1,2-dichlorobenzene	3.431	4.790	5.387	5.193	5.234	5.658	5.607	5.081	5.048	14.08
108)		n-butylbenzene	5.497	7.290	8.075	8.314	8.192	8.546	8.135	7.398	7.681	12.81

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Keystone Environmental Services**	**Lab Number**	**: L2500525**
Project Name	**: BINGHAMTON PLAZA**	**Project Number**	**: 0426.01214.10**
Instrument ID	**: AIRLAB16**	**Ical Ref**	**: ICAL21800**
Calibration dates	**: 12/19/24 21:40 12/20/24 02:28**		

Calibration Files
0.2 =r1647509.D 0.5 =r1647510.D 1.0 =r1647511.D 5.0 =r1647512.D 10 =r1647513.D 20 =r1647514.D
50 =r1647515.D 100 =r1647516.D

	Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
109)	indan	5.324	7.135	7.724	7.131	7.076	7.778	7.592	6.879	7.080	11.06
110)	indene	2.873	3.945	4.648	4.434	4.483	5.179	5.315	5.075	4.494	17.72
111) C	1,2-dibromo-3-chloropr...	0.964	1.371	1.487	1.705	1.809	1.980	2.053	1.939	1.664	22.23
112)	undecane	3.928	5.704	6.274	6.072	5.999	6.278	6.182	5.743	5.772	13.45
113)	1,2,4,5-tetramethylben...	2.295	3.083	3.428	3.917	3.925	3.735	3.883	3.808	3.509	16.27
114)	dodecane	2.474	4.009	5.253	5.617	5.701	5.390	5.802	5.417	4.958	23.19
115) C	1,2,4-trichlorobenzene	0.690	1.361	1.940	2.702	3.113	3.220	3.567	3.379	2.497	42.11#
116)	naphthalene	3.281	5.564	6.934	8.351	9.289	9.024	9.783	9.132	7.670	29.47
117)	1,2,3-trichlorobenzene	0.901	1.587	2.169	2.511	2.873	2.818	3.222	3.086	2.396	33.54#
118)	benzothiophene	0.861	1.669	2.317	4.158	5.113	4.055	4.745	4.779	3.462	46.61#
119) C	hexachlorobutadiene	1.541	2.147	2.605	2.553	2.642	2.646	2.671	2.308	2.389	16.35
120)	2-methylnaphthalene			0.224	0.539	0.786	0.586	0.932	1.046	0.685	43.56#
121)	1-methylnaphthalene			0.750	1.527	1.982	1.320	1.916	2.006	1.584	31.14#

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Method File : TFS16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 12:17:48 2024
Response Via : Initial Calibration

Calibration Files
0.2 =r1647509.D 0.5 =r1647510.D 1.0 =r1647511.D 5.0 =r1647512.D 10 =r1647513.D 20 =r1647514.D
50 =r1647515.D 100 =r1647516.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1)	I	bromochloromethane	----------ISTD----------									
2)		chlorodifluoro...	0.805	0.836	0.843	0.778	0.787	0.784	0.736	0.679	0.781	6.86
3)		propylene		0.503	0.463	0.424	0.429	0.403	0.382		0.434	9.98
4)		propane		0.636	0.586	0.514	0.502	0.511	0.502		0.542	10.38
5)		dichlorodifluo...	0.930	0.990	1.008	0.943	0.882	0.865	0.805	0.773	0.900	9.30
6)	C	chloromethane	0.541	0.533	0.535	0.493	0.474	0.463	0.436	0.412	0.486	9.90
7)		Freon-114	1.020	1.037	1.073	1.005	0.977	0.962	0.875	0.774	0.965	10.08
8)	C	methanol			0.270	0.228	0.220	0.193	0.185	0.179	0.212	16.19
9)	C	vinyl chloride	0.414	0.449	0.447	0.426	0.420	0.418	0.399	0.381	0.419	5.45
10)	C	1,3-butadiene	0.393	0.376	0.387	0.367	0.366	0.362	0.339	0.320	0.364	6.69
11)		butane	0.784	0.812	0.788	0.728	0.710	0.677	0.613	0.561	0.709	12.51
12)	C	acetaldehyde		0.366	0.339	0.259	0.251	0.248	0.233	0.211	0.273	21.07
13)	C	bromomethane	0.373	0.378	0.387	0.363	0.357	0.361	0.334	0.314	0.358	6.70
14)	C	chloroethane	0.234	0.206	0.208	0.193	0.192	0.197	0.182	0.172	0.198	9.46
15)		ethanol			0.404	0.351	0.341	0.338	0.297	0.278	0.335	13.21
16)		dichlorofluoro...	0.720	0.758	0.794	0.747	0.735	0.739	0.663	0.611	0.721	8.04
17)	C	vinyl bromide	0.359	0.371	0.392	0.370	0.369	0.382	0.342	0.307	0.361	7.37
18)	C	acrolein		0.259	0.231	0.192	0.188	0.202	0.189	0.222	0.212	12.63
19)		acetone	0.612	0.873	0.575	0.498	0.491	0.503	0.433	0.518	0.563	24.23
20)	C	acetonitrile	0.498	0.427	0.468	0.410	0.408	0.433	0.393	0.313	0.419	13.10
21)		trichlorofluor...	0.591	0.900	0.613	0.876	0.578	0.890	0.534	0.648	0.703	22.23
22)		isopropyl alcohol	0.970	1.142	1.066	0.986	0.969	1.038	0.867	0.801	0.980	11.07
23)	C	acrylonitrile	0.396	0.409	0.428	0.402	0.410	0.445	0.448	0.443	0.423	4.99
24)		pentane	1.258	1.279	1.274	1.195	1.187	1.226	1.057	0.902	1.172	11.15
25)		ethyl ether	0.758	0.794	0.812	0.781	0.784	0.838	0.789	0.784	0.793	3.00
26)	C	1,1-dichloroet...	0.694	0.739	0.740	0.723	0.718	0.754	0.652	0.586	0.701	8.01
27)		tertiary butyl...		0.684	0.723	0.731	0.748	0.808	0.735	0.683	0.730	5.81
28)	C	methylene chlo...		0.724	0.730	0.663	0.664	0.710	0.681	0.636	0.687	5.14
29)	C	3-chloropropene	0.757	0.773	0.787	0.761	0.772	0.814	0.718	0.628	0.751	7.58
30)	C	carbon disulfide	2.229	1.888	1.811	1.632	1.627	1.737	1.621	1.414	1.745	13.87
31)		Freon 113	1.033	1.067	1.074	1.037	1.023	1.079	0.958	0.833	1.013	8.13

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Method File : TFS16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 12:17:48 2024
Response Via : Initial Calibration

Calibration Files
0.2 =r1647509.D 0.5 =r1647510.D 1.0 =r1647511.D 5.0 =r1647512.D 10 =r1647513.D 20 =r1647514.D
50 =r1647515.D 100 =r1647516.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
32)		trans-1,2-dich...	0.673	0.710	0.745	0.712	0.717	0.757	0.665	0.602	0.698	7.12
33)	C	1,1-dichloroet...	0.911	0.965	0.990	0.937	0.942	0.991	0.866	0.772	0.922	7.97
34)	C	MTBE	1.064	1.179	1.194	1.169	1.188	1.274	1.182	1.070	1.165	5.89
35)	C	vinyl acetate			1.223	1.011	1.041	1.244	1.145	1.021	1.114	9.36
36)	C	2-butanone			1.398	1.413	1.325	1.333	1.414	1.248	1.095	1.318	8.74
37)		cis-1,2-dichlo...	0.657	0.694	0.709	0.699	0.690	0.735	0.647	0.582	0.677	7.02
38)		Ethyl Acetate	0.147	0.173	0.184	0.174	0.174	0.189	0.172	0.159	0.172	7.73
39)	C	chloroform	0.926	0.937	0.962	0.918	0.899	0.964	0.873	0.807	0.911	5.68
40)		Tetrahydrofuran	0.873	0.778	0.795	0.777	0.773	0.827	0.736	0.647	0.776	8.50
41)		2,2-dichloropr...	0.506	0.538	0.567	0.580	0.600	0.664	0.626	0.570	0.581	8.48
42)	C	1,2-dichloroet...	0.596	0.584	0.589	0.553	0.543	0.565	0.465	0.403	0.537	12.71
43)	I	1,4-difluorobenzene	----------ISTD----------									
44)	C	hexane	0.304	0.315	0.315	0.303	0.303	0.324	0.308	0.290	0.308	3.33
45)		diisopropyl ether	0.153	0.163	0.171	0.168	0.167	0.180	0.171	0.164	0.167	4.60
46)		tert-butyl eth...	0.472	0.487	0.520	0.514	0.519	0.554	0.510	0.486	0.508	5.08
47)	s	1,2-dichloroet...	0.230	0.228	0.233	0.220	0.219	0.226	0.191	0.168	0.214	10.62
48)	C	1,1,1-trichlor...	0.278	0.294	0.306	0.293	0.298	0.319	0.281	0.248	0.290	7.32
49)		1,1-dichloropr...	0.292	0.299	0.312	0.303	0.301	0.329	0.318	0.295	0.306	4.14
50)	C	benzene	0.767	0.725	0.739	0.680	0.680	0.737	0.732	0.693	0.719	4.38
51)		thiophene	0.439	0.465	0.472	0.575	0.581	0.505	0.488	0.471	0.500	10.39
52)	C	carbon tetrach...	0.246	0.262	0.266	0.264	0.269	0.293	0.272	0.246	0.265	5.60
53)		cyclohexane	0.306	0.326	0.335	0.320	0.323	0.347	0.336	0.330	0.328	3.76
54)		tert-amyl meth...	0.460	0.474	0.488	0.483	0.498	0.552	0.535	0.504	0.499	6.18
55)		dibromomethane	0.215	0.221	0.228	0.222	0.220	0.232	0.209	0.191	0.217	5.97
56)	C	1,2-dichloropr...	0.244	0.254	0.257	0.249	0.249	0.265	0.239	0.220	0.247	5.49
57)		bromodichlorom...	0.315	0.344	0.347	0.336	0.340	0.367	0.345	0.327	0.340	4.48
58)	C	1,4-dioxane	0.149	0.145	0.140	0.141	0.141	0.156	0.149	0.143	0.145	3.73
59)	C	trichloroethene	0.289	0.300	0.316	0.298	0.299	0.318	0.295	0.272	0.298	4.87
60)	C	2,2,4-trimethy...	0.992	1.028	1.052	1.013	1.012	1.050	0.985	0.932	1.008	3.87
61)		methyl methacr...			0.253	0.275	0.267	0.276	0.308	0.274	0.244	0.271	7.57
62)		heptane	0.490	0.505	0.519	0.495	0.494	0.525	0.475	0.417	0.490	6.85

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Method File : TFS16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 12:17:48 2024
Response Via : Initial Calibration

Calibration Files
0.2 =r1647509.D 0.5 =r1647510.D 1.0 =r1647511.D 5.0 =r1647512.D 10 =r1647513.D 20 =r1647514.D
50 =r1647515.D 100 =r1647516.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
63)	C	cis-1,3-dichlo...	0.289	0.300	0.319	0.319	0.334	0.376	0.372	0.351	0.333	9.62
64)	C	4-methyl-2-pen...		0.591	0.608	0.592	0.604	0.654	0.587	0.516	0.593	6.91
65)		trans-1,3-dich...	0.201	0.201	0.213	0.229	0.243	0.283	0.282	0.269	0.240	14.34
66)	C	1,1,2-trichlor...	0.279	0.288	0.292	0.278	0.280	0.300	0.274	0.251	0.280	5.18
67)	I	chlorobenzene-D5	----------ISTD----------									
68)	C	toluene	6.509	6.327	6.415	5.991	5.939	6.475	6.107	5.638	6.175	4.99
69)	s	toluene-D8	6.309	6.372	6.485	6.056	6.136	6.743	6.535	6.307	6.368	3.46
70)		2-methylthiophene	5.153	5.706	5.695	6.937	6.839	5.947	5.610	5.098	5.873	11.73
71)		1,3-dichloropr...	2.546	2.794	2.859	2.746	2.765	3.073	3.101	2.873	2.845	6.33
72)		2-hexanone	3.588	3.787	3.928	3.912	3.978	4.498	4.169	3.607	3.933	7.59
73)		3-methylthiophene	6.306	5.903	6.003	7.399	7.336	6.309	5.807	5.190	6.282	12.03
74)		dibromochlorom...	2.405	2.625	2.639	2.656	2.693	2.954	2.832	2.633	2.680	6.00
75)	C	1,2-dibromoethane	2.736	2.904	3.006	2.972	2.988	3.356	3.264	2.982	3.026	6.51
76)		butyl acetate		0.573	0.609	0.619	0.646	0.802	0.825	0.762	0.691	14.84
77)		octane	1.915	2.046	2.106	2.040	2.031	2.205	2.195	2.132	2.084	4.62
78)	C	tetrachloroethene	2.479	2.681	2.664	2.518	2.520	2.744	2.647	2.442	2.587	4.26
79)		1,1,1,2-tetrac...	1.873	2.054	2.090	2.073	2.077	2.288	2.142	1.914	2.064	6.25
80)	C	chlorobenzene	4.647	4.941	5.079	4.759	4.829	5.309	5.211	4.611	4.923	5.24
81)	C	ethylbenzene	7.252	7.855	8.173	7.763	7.708	8.312	7.776	6.995	7.729	5.62
82)		2-ethylthiophene	5.681	6.258	6.588	8.163	8.130	6.907	6.454	5.620	6.725	14.55
83)	C	m+p-xylene	5.995	6.425	6.602	6.141	6.046	6.407	6.039	5.277	6.117	6.62
84)	C	bromoform	1.890	2.117	2.209	2.162	2.201	2.467	2.473	2.302	2.228	8.57
85)	C	styrene	4.336	4.683	4.958	5.015	5.058	5.710	5.669	5.041	5.059	9.06
86)	C	1,1,2,2-tetrac...	4.087	4.629	4.892	4.573	4.459	4.850	4.740	4.148	4.547	6.62
87)	C	o-xylene	6.222	6.640	6.904	6.322	6.174	6.468	5.991	5.145	6.233	8.41
88)		1,2,3-trichlor...	2.868	3.395	3.597	3.459	3.453	3.808	3.876	3.586	3.505	8.81
89)		nonane	5.399	6.013	6.290	6.065	5.974	6.351	5.912	4.992	5.874	7.81
90)	s	bromofluoroben...	4.335	4.406	4.460	4.245	4.183	4.492	4.439	4.328	4.361	2.48
91)	C	isopropylbenzene	7.409	8.288	8.510	8.294	8.258	8.890	8.603	7.462	8.214	6.38
92)		bromobenzene	3.919	4.413	4.536	4.367	4.371	4.792	4.892	4.506	4.474	6.62
93)		2-chlorotoluene	2.086	2.520	2.616	2.478	2.506	2.653	2.584	2.391	2.479	7.22

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Method File : TFS16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 12:17:48 2024
Response Via : Initial Calibration

Calibration Files
0.2 =r1647509.D 0.5 =r1647510.D 1.0 =r1647511.D 5.0 =r1647512.D 10 =r1647513.D 20 =r1647514.D
50 =r1647515.D 100 =r1647516.D

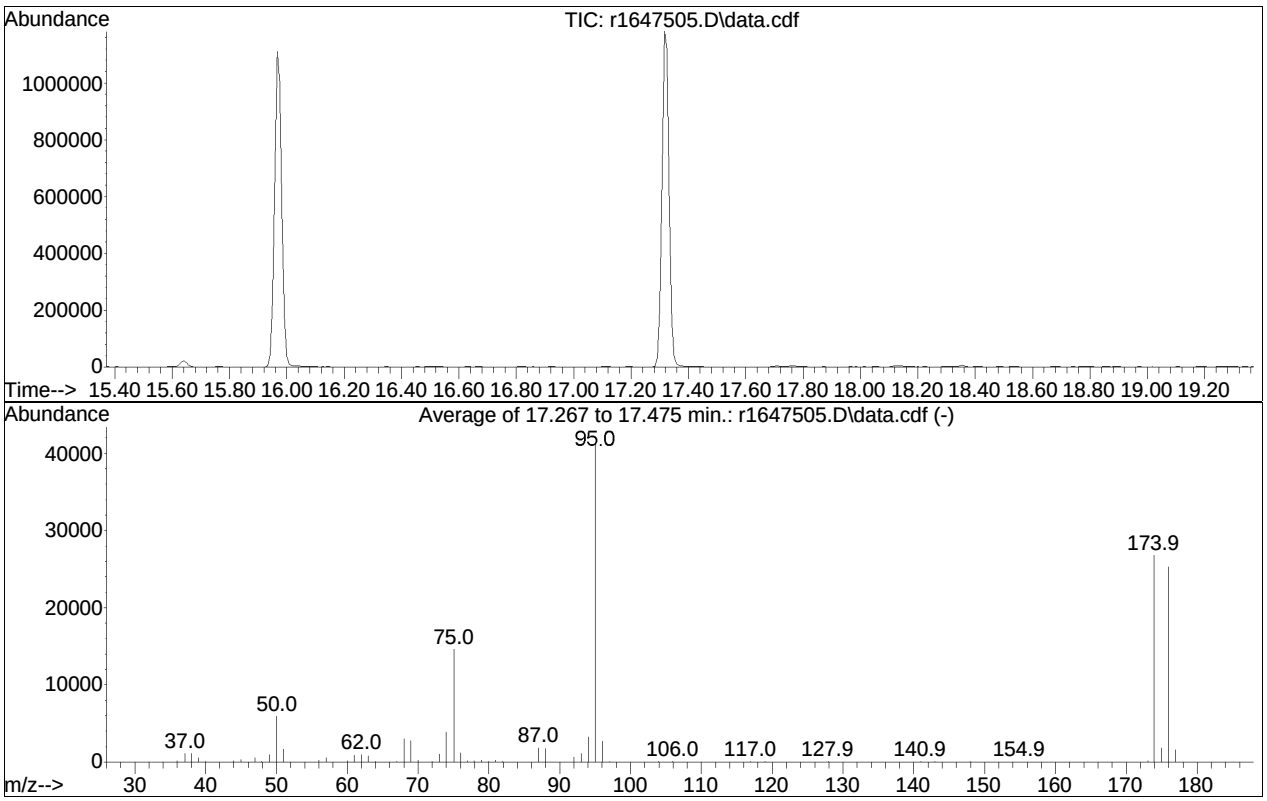
		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
94)		n-propylbenzene	2.191	2.641	2.814	2.717	2.704	2.875	2.863	2.641	2.681	8.14
95)		4-chlorotoluene	1.975	2.395	2.471	2.452	2.418	2.611	2.546	2.402	2.409	7.90
96)		4-ethyl toluene	6.526	8.192	8.789	8.453	8.484	9.241	8.980	7.863	8.316	10.16
97)		1,3,5-trimethy...	6.121	7.292	7.573	7.271	7.147	7.912	7.609	6.590	7.189	8.09
98)		tert-butylbenzene	6.746	7.824	8.321	7.775	7.570	7.995	7.321	6.125	7.460	9.59
99)		1,2,4-trimethy...	6.462	7.126	7.652	7.381	7.309	7.856	7.054	5.779	7.077	9.48
100)		decane	4.910	5.711	6.212	5.737	5.603	5.894	5.728	5.314	5.639	6.88
101)	C	Benzyl Chloride	1.158	1.658	2.314	2.931	3.390	4.144	4.534	4.377	3.063	41.57#
102)		1,3-dichlorobe...	3.310	5.093	5.483	5.411	5.409	6.054	5.717	5.048	5.191	15.91
103)	C	1,4-dichlorobe...	3.537	5.024	5.410	5.285	5.446	5.778	5.757	5.084	5.165	13.80
104)		sec-butylbenzene	0.882	1.061	1.119	1.068	1.076	1.156	1.086	0.927	1.047	8.97
105)		1,2,3-trimethy...	5.628	6.820	7.176	6.711	6.695	7.343	6.611	5.483	6.558	10.20
106)		p-isopropyltol...	7.604	9.264	9.963	9.323	9.086	9.557	8.958	7.265	8.878	10.65
107)		1,2-dichlorobe...	3.431	4.790	5.387	5.193	5.234	5.658	5.607	5.081	5.048	14.08
108)		n-butylbenzene	5.497	7.290	8.075	8.314	8.192	8.546	8.135	7.398	7.681	12.81
109)		indan	5.324	7.135	7.724	7.131	7.076	7.778	7.592	6.879	7.080	11.06
110)		indene	2.873	3.945	4.648	4.434	4.483	5.179	5.315	5.075	4.494	17.72
111)	C	1,2-dibromo-3-...	0.964	1.371	1.487	1.705	1.809	1.980	2.053	1.939	1.664	22.23
112)		undecane	3.928	5.704	6.274	6.072	5.999	6.278	6.182	5.743	5.772	13.45
113)		1,2,4,5-tetram...	2.295	3.083	3.428	3.917	3.925	3.735	3.883	3.808	3.509	16.27
114)		dodecane	2.474	4.009	5.253	5.617	5.701	5.390	5.802	5.417	4.958	23.19
115)	C	1,2,4-trichlor...	0.690	1.361	1.940	2.702	3.113	3.220	3.567	3.379	2.497	42.11#
116)		naphthalene	3.281	5.564	6.934	8.351	9.289	9.024	9.783	9.132	7.670	29.47
117)		1,2,3-trichlor...	0.901	1.587	2.169	2.511	2.873	2.818	3.222	3.086	2.396	33.54#
118)		benzothiophene	0.861	1.669	2.317	4.158	5.113	4.055	4.745	4.779	3.462	46.61#
119)	C	hexachlorobuta...	1.541	2.147	2.605	2.553	2.642	2.646	2.671	2.308	2.389	16.35
120)		2-methylnaphth...			0.224	0.539	0.786	0.586	0.932	1.046	0.685	43.56#
121)		1-methylnaphth...			0.750	1.527	1.982	1.320	1.916	2.006	1.584	31.14#

(#) = Out of Range

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647505.D
Acq On : 19 Dec 2024 7:08 PM
Operator : AIRLAB16:JMB
Sample : WG2011935-1,3,250,250
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 12:17:48 2024



AutoFind: Averaged scan 2046 to 2071; Bkg corrected with scan 2045

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.5	5985	PASS
75	95	30	66	35.3	14601	PASS
95	95	100	100	100.0	41383	PASS
96	95	5	9	6.5	2706	PASS
173	174	0.00	2	0.6	152	PASS
174	95	50	120	64.8	26829	PASS
175	174	4	9	6.9	1843	PASS
176	174	93	101	94.2	25277	PASS
177	176	5	9	6.5	1631	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647509.D
Acq On : 19 Dec 2024 9:40 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.2
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:21 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.058	49	331491	10.000	ppbV	0.00
Standard Area = 329728			Recovery = 100.53%			
43) 1,4-difluorobenzene	11.273	114	871534	10.000	ppbV	0.00
Standard Area = 875855			Recovery = 99.51%			
67) chlorobenzene-D5	15.967	54	118410	10.000	ppbV	0.00
Standard Area = 117599			Recovery = 100.69%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.917	65	200222	10.471	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.71%			
69) toluene-D8	14.108	98	747075	10.283	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.83%			
90) bromofluorobenzene	17.317	95	513350	10.365	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.65%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.880	51	5338	0.205	ppbV #	95
3) propylene	3.910	41	2895M6	0.204	ppbV	
4) propane	3.934	29	3801	0.229	ppbV #	93
5) dichlorodifluoromethane	3.982	85	6166	0.211	ppbV	98
6) chloromethane	4.144	50	3584	0.228	ppbV	93
7) Freon-114	4.252	85	6764	0.209	ppbV	98
8) methanol	4.312	31	12195	1.673	ppbV #	31
9) vinyl chloride	4.372	62	2744	0.197	ppbV #	78
10) 1,3-butadiene	4.516	54	2606	0.215	ppbV	89
11) butane	4.576	43	5200	0.221	ppbV	95
12) acetaldehyde	4.270	29	17051	2.046	ppbV #	72
13) bromomethane	4.798	94	2476	0.209	ppbV	93
14) chloroethane	4.984	64	1550	0.244	ppbV #	87
15) ethanol	5.116	31	14579	1.289	ppbV	99
16) dichlorofluoromethane	5.092	67	4774	0.196	ppbV	97
17) vinyl bromide	5.360	106	2378	0.195	ppbV	87
18) acrolein	5.490	56	2330	0.373	ppbV #	52
19) acetone	5.637	43	20295	1.247	ppbV #	96
20) acetonitrile	5.353	41	3303	0.244	ppbV #	76
21) trichlorofluoromethane	5.817	101	3916	0.205	ppbV	96
22) isopropyl alcohol	5.917	45	16077	0.500	ppbV #	98
23) acrylonitrile	6.140	53	2625	0.193	ppbV #	93
24) pentane	6.217	43	8343	0.212	ppbV	97

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647509.D
Acq On : 19 Dec 2024 9:40 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.2
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:21 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.250	31	5026	0.193	ppbV		94
26) 1,1-dichloroethene	6.516	61	4600	0.193	ppbV		95
27) tertiary butyl alcohol	6.576	59	4530	0.183	ppbV	#	92
28) methylene chloride	6.654	49	5252	0.239	ppbV		98
29) 3-chloropropene	6.786	41	5018	0.196	ppbV		92
30) carbon disulfide	6.960	76	14776	0.274	ppbV	#	47
31) Freon 113	6.954	101	6850	0.202	ppbV		95
32) trans-1,2-dichloroethene	7.700	61	4465	0.188	ppbV		98
33) 1,1-dichloroethane	7.925	63	6039	0.193	ppbV		96
34) MTBE	8.008	73	7053	0.179	ppbV	#	94
35) vinyl acetate	8.108	43	8626	0.250	ppbV	#	95
36) 2-butanone	8.375	43	9497	0.215	ppbV	#	94
37) cis-1,2-dichloroethene	8.867	61	4355	0.190	ppbV		97
38) Ethyl Acetate	9.150	61	976	0.169	ppbV		69
39) chloroform	9.208	83	6138	0.206	ppbV		99
40) Tetrahydrofuran	9.667	42	5785	0.226	ppbV	#	88
41) 2,2-dichloropropane	9.233	77	3358	0.169	ppbV	#	84
42) 1,2-dichloroethane	10.042	62	3951	0.220	ppbV		98
44) hexane	9.117	57	5305	0.201	ppbV	#	45
45) diisopropyl ether	9.125	87	2670	0.183	ppbV		99
46) tert-butyl ethyl ether	9.733	59	8219	0.182	ppbV		97
48) 1,1,1-trichloroethane	10.325	97	4852	0.187	ppbV		97
49) 1,1-dichloropropene	10.693	75	5090	0.194	ppbV		96
50) benzene	10.853	78	13366	0.226	ppbV		97
51) thiophene	11.000	84	7660	0.151	ppbV		95
52) carbon tetrachloride	11.020	117	4295	0.183	ppbV	#	91
53) cyclohexane	11.173	56	5337	0.190	ppbV		97
54) tert-amyl methyl ether	11.553	73	8020	0.185	ppbV		95
55) dibromomethane	11.767	93	3752	0.195	ppbV		98
56) 1,2-dichloropropane	11.793	63	4249	0.196	ppbV		95
57) bromodichloromethane	12.027	83	5488	0.185	ppbV		99
58) 1,4-dioxane	12.080	88	2605	0.212	ppbV		95
59) trichloroethene	12.073	130	5034	0.193	ppbV		97
60) 2,2,4-trimethylpentane	12.120	57	17284	0.196	ppbV		99
61) methyl methacrylate	12.320	41	4336	0.181	ppbV		96
62) heptane	12.433	43	8533	0.198	ppbV	#	97
63) cis-1,3-dichloropropene	13.083	75	5035	0.173	ppbV	#	88
64) 4-methyl-2-pentanone	13.133	43	9456	0.180	ppbV		94
65) trans-1,3-dichloropropene	13.717	75	3495	0.165	ppbV	#	88
66) 1,1,2-trichloroethane	13.908	97	4870	0.200	ppbV		95

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647509.D
Acq On : 19 Dec 2024 9:40 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.2
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:21 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	14.225	91	15415	0.219	ppbV		99
70) 2-methylthiophene	14.292	97	12203	0.151	ppbV		98
71) 1,3-dichloropropane	14.250	76	6029	0.184	ppbV	#	97
72) 2-hexanone	14.517	43	8496	0.180	ppbV		98
73) 3-methylthiophene	14.483	97	14933	0.172	ppbV		97
74) dibromochloromethane	14.675	129	5696	0.179	ppbV		98
75) 1,2-dibromoethane	14.917	107	6479	0.183	ppbV		93
76) butyl acetate	15.158	73	1367	0.179	ppbV		83
77) octane	15.250	85	4534	0.189	ppbV		93
78) tetrachloroethene	15.375	166	5871	0.197	ppbV		91
79) 1,1,1,2-tetrachloroethane	15.992	131	4435	0.180	ppbV	#	92
80) chlorobenzene	16.008	112	11005	0.192	ppbV		97
81) ethylbenzene	16.342	91	17174	0.188	ppbV		98
82) 2-ethylthiophene	16.383	97	13453	0.140	ppbV		97
83) m+p-xylene	16.500	91	28397	0.397	ppbV		94
84) bromoform	16.567	173	4475	0.172	ppbV		98
85) styrene	16.817	104	10269	0.171	ppbV		100
86) 1,1,2,2-tetrachloroethane	16.917	83	9679	0.183	ppbV		98
87) o-xylene	16.917	91	14736	0.202	ppbV		96
88) 1,2,3-trichloropropane	17.025	75	6791	0.166	ppbV	#	91
89) nonane	17.108	43	12786	0.181	ppbV		97
91) isopropylbenzene	17.425	105	17545	0.179	ppbV		98
92) bromobenzene	17.508	77	9280	0.179	ppbV		98
93) 2-chlorotoluene	17.842	126	4941	0.167	ppbV		77
94) n-propylbenzene	17.867	120	5189	0.162	ppbV		99
95) 4-chlorotoluene	17.900	126	4678	0.163	ppbV		96
96) 4-ethyl toluene	17.992	105	15454	0.154	ppbV		99
97) 1,3,5-trimethylbenzene	18.050	105	14495	0.171	ppbV	#	98
98) tert-butylbenzene	18.400	119	15975	0.178	ppbV		94
99) 1,2,4-trimethylbenzene	18.400	105	15303	0.177	ppbV		96
100) decane	18.483	57	11627	0.175	ppbV		88
101) Benzyl Chloride	18.525	91	2742	0.068	ppbV		95
102) 1,3-dichlorobenzene	18.542	146	7839	0.122	ppbV		92
103) 1,4-dichlorobenzene	18.600	146	8377	0.130	ppbV		97
104) sec-butylbenzene	18.625	105	20880	0.164	ppbV		98
105) 1,2,3-trimethylbenzene	18.767	105	13329	0.168	ppbV		95
106) p-isopropyltoluene	18.758	119	18008	0.167	ppbV		94
107) 1,2-dichlorobenzene	18.892	146	8126	0.131	ppbV		95
108) n-butylbenzene	19.125	91	13019	0.134	ppbV		91
109) indan	18.942	117	12609	0.150	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647509.D
Acq On : 19 Dec 2024 9:40 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.2
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:21 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

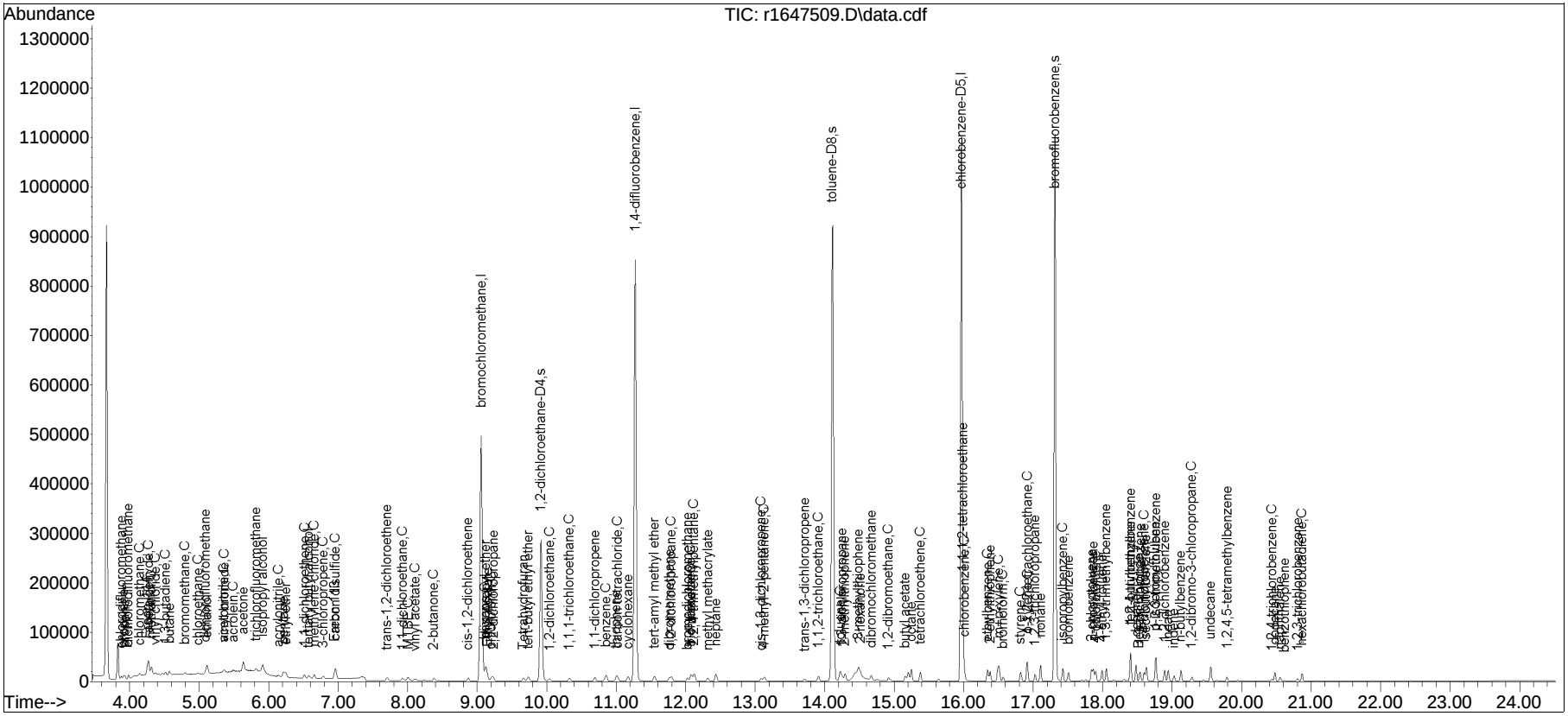
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	19.025	115	6804	0.128	ppbV	99
111) 1,2-dibromo-3-chloropr...	19.283	75	2283	0.107	ppbV	93
112) undecane	19.550	57	9303	0.131	ppbV #	93
113) 1,2,4,5-tetramethylben...	19.792	119	5436	0.117	ppbV	96
114) dodecane	20.475	57	5858	0.087	ppbV	100
115) 1,2,4-trichlorobenzene	20.433	180	1633	0.044	ppbV #	90
116) naphthalene	20.550	128	7769	0.071	ppbV	98
117) 1,2,3-trichlorobenzene	20.808	180	2133	0.063	ppbV	97
118) benzothiophene	20.617	134	2040	0.034	ppbV #	76
119) hexachlorobutadiene	20.867	225	3649	0.117	ppbV	98
120) 2-methylnaphthalene	0.000		0	N.D.		
121) 1-methylnaphthalene	21.875		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219T_I\r1647513.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647509.D
Acq On : 19 Dec 2024 9:40 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.2
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

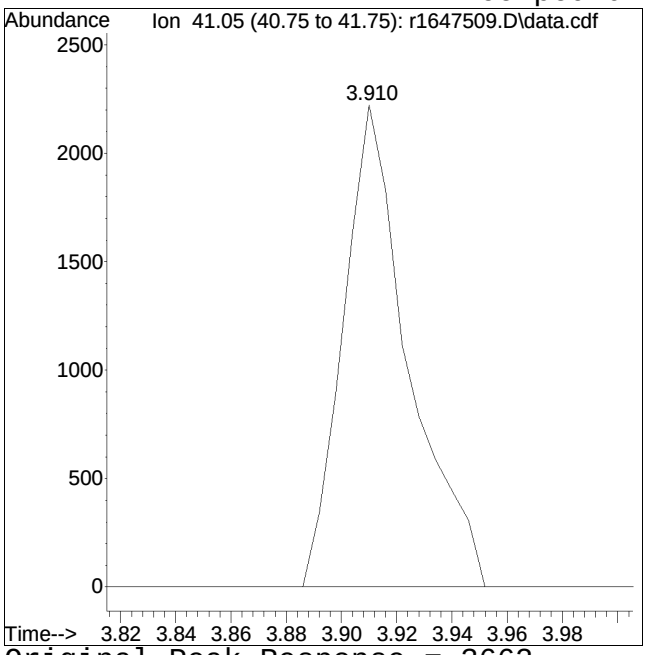
Quant Time: Dec 20 05:29:21 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration



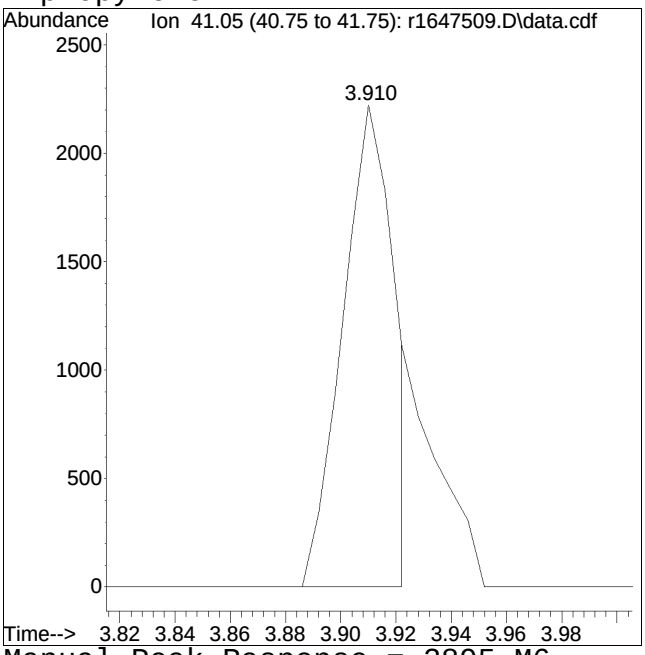
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647509.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 9:40 PM Instrument :
Sample : ITO15-LLSTD0.2 Quant Date : 12/20/2024 5:29 am

Compound #3: propylene



Original Peak Response = 3662



Manual Peak Response = 2895 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647510.D
Acq On : 19 Dec 2024 10:20 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.5
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:33 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.058	49	329043	10.000	ppbV	0.00
Standard Area = 329728			Recovery = 99.79%			
43) 1,4-difluorobenzene	11.273	114	871841	10.000	ppbV	0.00
Standard Area = 875855			Recovery = 99.54%			
67) chlorobenzene-D5	15.967	54	118415	10.000	ppbV	0.00
Standard Area = 117599			Recovery = 100.69%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.925	65	199150	10.411	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.11%			
69) toluene-D8	14.117	98	754526	10.385	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.85%			
90) bromofluorobenzene	17.325	95	521789	10.535	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.35%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.886	51	13762	0.531	ppbV	96
3) propylene	3.916	41	8275M6	0.586	ppbV	
4) propane	3.940	29	10466	0.634	ppbV	97
5) dichlorodifluoromethane	3.988	85	16291	0.561	ppbV	99
6) chloromethane	4.150	50	8769	0.563	ppbV	98
7) Freon-114	4.258	85	17058	0.531	ppbV	99
8) methanol	4.318	31	25607	3.540	ppbV #	63
9) vinyl chloride	4.378	62	7385	0.534	ppbV	97
10) 1,3-butadiene	4.522	54	6189	0.514	ppbV	93
11) butane	4.576	43	13362	0.572	ppbV	98
12) acetaldehyde	4.282	29	30113	3.640	ppbV #	86
13) bromomethane	4.804	94	6223	0.529	ppbV	100
14) chloroethane	4.990	64	3394	0.538	ppbV	95
15) ethanol	5.122	31	36054	3.212	ppbV	100
16) dichlorofluoromethane	5.098	67	12464	0.515	ppbV	97
17) vinyl bromide	5.367	106	6111	0.504	ppbV	100
18) acrolein	5.497	56	4268	0.689	ppbV #	82
19) acetone	5.640	43	71775	4.442	ppbV #	84
20) acetonitrile	5.357	41	7017	0.522	ppbV	94
21) trichlorofluoromethane	5.827	101	14799	0.779	ppbV	99
22) isopropyl alcohol	5.920	45	46986	1.473	ppbV	99
23) acrylonitrile	6.150	53	6729	0.499	ppbV	95
24) pentane	6.223	43	21050	0.539	ppbV	97

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647510.D
Acq On : 19 Dec 2024 10:20 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.5
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:33 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.253	31	13065	0.507	ppbV		99
26) 1,1-dichloroethene	6.522	61	12155	0.515	ppbV		94
27) tertiary butyl alcohol	6.582	59	11255	0.457	ppbV		96
28) methylene chloride	6.660	49	11915	0.545	ppbV		94
29) 3-chloropropene	6.792	41	12721	0.501	ppbV		98
30) carbon disulfide	6.966	76	31055	0.580	ppbV	#	80
31) Freon 113	6.960	101	17556	0.521	ppbV		97
32) trans-1,2-dichloroethene	7.708	61	11675	0.495	ppbV		96
33) 1,1-dichloroethane	7.933	63	15875	0.512	ppbV		95
34) MTBE	8.008	73	19402	0.496	ppbV		100
35) vinyl acetate	8.117	43	20097	0.587	ppbV		100
36) 2-butanone	8.383	43	23004	0.525	ppbV		99
37) cis-1,2-dichloroethene	8.875	61	11424	0.503	ppbV		98
38) Ethyl Acetate	9.150	61	2844	0.496	ppbV		58
39) chloroform	9.217	83	15410	0.521	ppbV		97
40) Tetrahydrofuran	9.667	42	12804	0.503	ppbV		99
41) 2,2-dichloropropane	9.233	77	8856	0.448	ppbV	#	83
42) 1,2-dichloroethane	10.042	62	9611	0.538	ppbV		98
44) hexane	9.125	57	13720	0.519	ppbV	#	68
45) diisopropyl ether	9.125	87	7084	0.485	ppbV		96
46) tert-butyl ethyl ether	9.733	59	21240	0.470	ppbV		98
48) 1,1,1-trichloroethane	10.333	97	12829	0.494	ppbV		99
49) 1,1-dichloropropene	10.700	75	13043	0.496	ppbV		99
50) benzene	10.860	78	31622	0.534	ppbV		99
51) thiophene	11.007	84	20264	0.400	ppbV		98
52) carbon tetrachloride	11.027	117	11429	0.488	ppbV		97
53) cyclohexane	11.173	56	14203	0.505	ppbV		100
54) tert-amyl methyl ether	11.553	73	20657	0.476	ppbV		99
55) dibromomethane	11.767	93	9651	0.503	ppbV		97
56) 1,2-dichloropropane	11.800	63	11085	0.511	ppbV		98
57) bromodichloromethane	12.027	83	15006	0.507	ppbV		93
58) 1,4-dioxane	12.080	88	6327	0.514	ppbV		92
59) trichloroethene	12.080	130	13093	0.503	ppbV		99
60) 2,2,4-trimethylpentane	12.127	57	44795	0.508	ppbV		96
61) methyl methacrylate	12.320	41	11025	0.459	ppbV		99
62) heptane	12.440	43	22014	0.511	ppbV		97
63) cis-1,3-dichloropropene	13.092	75	13069	0.449	ppbV		98
64) 4-methyl-2-pentanone	13.133	43	25747	0.489	ppbV		99
65) trans-1,3-dichloropropene	13.708	75	8780	0.414	ppbV		95
66) 1,1,2-trichloroethane	13.917	97	12543	0.515	ppbV		95

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647510.D
Acq On : 19 Dec 2024 10:20 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.5
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:33 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	14.225	91	37458	0.533	ppbV	99
70) 2-methylthiophene	14.292	97	33784	0.417	ppbV	98
71) 1,3-dichloropropane	14.250	76	16543	0.505	ppbV	99
72) 2-hexanone	14.508	43	22424	0.476	ppbV	94
73) 3-methylthiophene	14.483	97	34952	0.402	ppbV	99
74) dibromochloromethane	14.675	129	15541	0.487	ppbV	95
75) 1,2-dibromoethane	14.925	107	17192	0.486	ppbV	96
76) butyl acetate	15.158	73	3395	0.444	ppbV	98
77) octane	15.250	85	12112	0.504	ppbV	98
78) tetrachloroethene	15.375	166	15872	0.532	ppbV	97
79) 1,1,1,2-tetrachloroethane	15.992	131	12162	0.494	ppbV	95
80) chlorobenzene	16.008	112	29255	0.512	ppbV	98
81) ethylbenzene	16.350	91	46507	0.510	ppbV	98
82) 2-ethylthiophene	16.383	97	37050	0.385	ppbV	99
83) m+p-xylene	16.508	91	76083	1.063	ppbV	97
84) bromoform	16.575	173	12534	0.481	ppbV	98
85) styrene	16.833	104	27728	0.463	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.925	83	27409	0.519	ppbV	98
87) o-xylene	16.925	91	39316	0.538	ppbV	95
88) 1,2,3-trichloropropane	17.042	75	20100	0.492	ppbV	98
89) nonane	17.125	43	35599	0.503	ppbV	99
91) isopropylbenzene	17.442	105	49069	0.502	ppbV	98
92) bromobenzene	17.525	77	26128	0.505	ppbV	96
93) 2-chlorotoluene	17.850	126	14921	0.503	ppbV	99
94) n-propylbenzene	17.883	120	15639	0.488	ppbV	92
95) 4-chlorotoluene	17.917	126	14183	0.495	ppbV	96
96) 4-ethyl toluene	18.000	105	48501	0.483	ppbV	98
97) 1,3,5-trimethylbenzene	18.067	105	43177	0.510	ppbV	97
98) tert-butylbenzene	18.408	119	46324	0.517	ppbV	99
99) 1,2,4-trimethylbenzene	18.417	105	42193	0.487	ppbV	93
100) decane	18.492	57	33815	0.510	ppbV	96
101) Benzyl Chloride	18.533	91	9814	0.245	ppbV	99
102) 1,3-dichlorobenzene	18.550	146	30153	0.471	ppbV	98
103) 1,4-dichlorobenzene	18.608	146	29746	0.461	ppbV	97
104) sec-butylbenzene	18.642	105	62812	0.493	ppbV	98
105) 1,2,3-trimethylbenzene	18.775	105	40378	0.509	ppbV	96
106) p-isopropyltoluene	18.775	119	54852	0.510	ppbV	98
107) 1,2-dichlorobenzene	18.900	146	28360	0.458	ppbV	99
108) n-butylbenzene	19.133	91	43160	0.445	ppbV	94
109) indan	18.958	117	42246	0.504	ppbV	96

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647510.D
Acq On : 19 Dec 2024 10:20 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.5
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:33 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

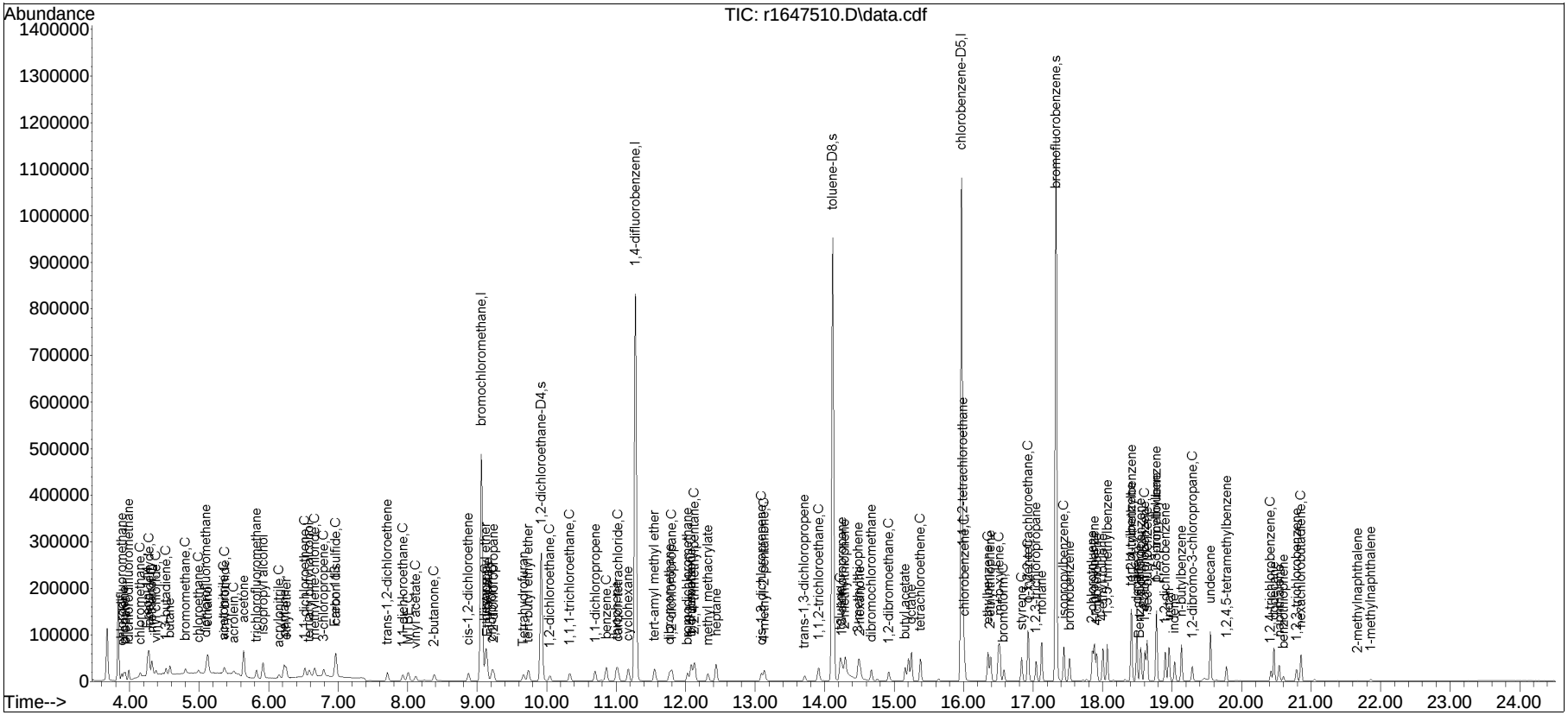
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	19.033	115	23359	0.440	ppbV	98
111) 1,2-dibromo-3-chloropr...	19.292	75	8116	0.379	ppbV #	89
112) undecane	19.550	57	33769	0.475	ppbV	90
113) 1,2,4,5-tetramethylben...	19.783	119	18251	0.393	ppbV	95
114) dodecane	20.467	57	23738	0.352	ppbV	96
115) 1,2,4-trichlorobenzene	20.417	180	8058	0.219	ppbV	95
116) naphthalene	20.542	128	32942	0.299	ppbV	99
117) 1,2,3-trichlorobenzene	20.792	180	9399	0.276	ppbV	96
118) benzothiophene	20.600	134	9882	0.163	ppbV #	98
119) hexachlorobutadiene	20.850	225	12713	0.406	ppbV	96
120) 2-methylnaphthalene	21.667	142	610	0.066	ppbV #	88
121) 1-methylnaphthalene	21.858	142	2732	0.116	ppbV #	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219T_I\r1647513.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647510.D
Acq On : 19 Dec 2024 10:20 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.5
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

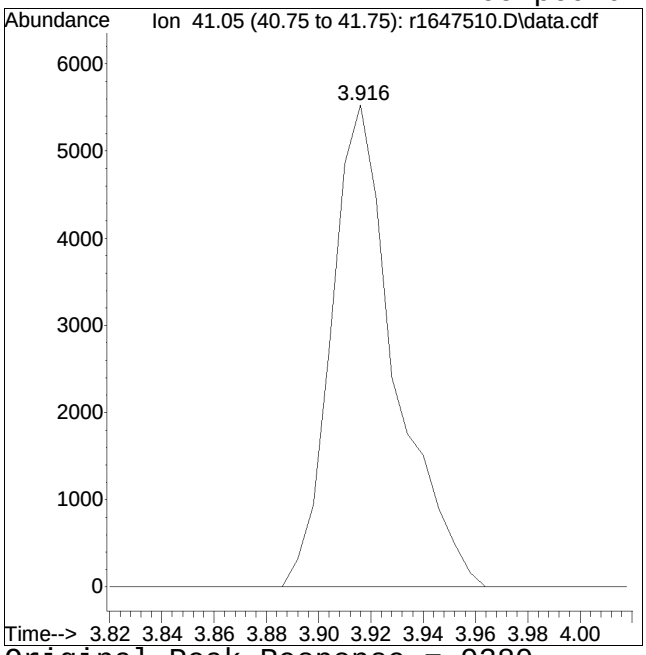
Quant Time: Dec 20 05:29:33 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration



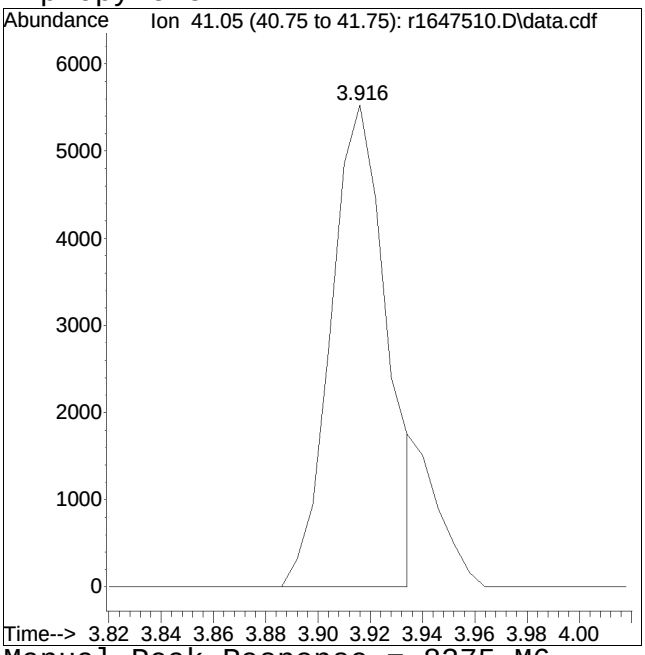
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647510.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 10:20 PM Instrument :
Sample : ITO15-LLSTD0.5 Quant Date : 12/20/2024 5:29 am

Compound #3: propylene



Original Peak Response = 9380



Manual Peak Response = 8275 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647511.D
Acq On : 19 Dec 2024 11:02 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD1.0
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:45 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.050	49	327302	10.000	ppbV	0.00
Standard Area = 329728			Recovery = 99.26%			
43) 1,4-difluorobenzene	11.273	114	865723	10.000	ppbV	0.00
Standard Area = 875855			Recovery = 98.84%			
67) chlorobenzene-D5	15.967	54	116910	10.000	ppbV	0.00
Standard Area = 117599			Recovery = 99.41%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.917	65	201766	10.622	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.22%			
69) toluene-D8	14.117	98	758147	10.569	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.69%			
90) bromofluorobenzene	17.325	95	521390	10.662	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.62%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.868	51	27606	1.071	ppbV	96
3) propylene	3.904	41	15146M6	1.079	ppbV	
4) propane	3.928	29	19194	1.169	ppbV	97
5) dichlorodifluoromethane	3.976	85	32982	1.143	ppbV	100
6) chloromethane	4.138	50	17502	1.129	ppbV	99
7) Freon-114	4.246	85	35114	1.098	ppbV	98
8) methanol	4.306	31	44234	6.147	ppbV #	76
9) vinyl chloride	4.366	62	14645	1.065	ppbV	96
10) 1,3-butadiene	4.510	54	12682	1.059	ppbV	96
11) butane	4.564	43	25780	1.109	ppbV	97
12) acetaldehyde	4.264	29	55544	6.750	ppbV	91
13) bromomethane	4.792	94	12654	1.082	ppbV	98
14) chloroethane	4.978	64	6821	1.086	ppbV	97
15) ethanol	5.104	31	66153	5.924	ppbV	97
16) dichlorofluoromethane	5.086	67	25998	1.080	ppbV	98
17) vinyl bromide	5.353	106	12835	1.064	ppbV	96
18) acrolein	5.483	56	7567	1.228	ppbV #	88
19) acetone	5.623	43	94102	5.855	ppbV	99
20) acetonitrile	5.340	41	15307	1.145	ppbV	99
21) trichlorofluoromethane	5.810	101	20060	1.061	ppbV	96
22) isopropyl alcohol	5.900	45	87233	2.750	ppbV	100
23) acrylonitrile	6.133	53	14016	1.044	ppbV	93
24) pentane	6.207	43	41701	1.074	ppbV	97

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647511.D
Acq On : 19 Dec 2024 11:02 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD1.0
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:45 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.237	31	26585	1.036	ppbV		99
26) 1,1-dichloroethene	6.510	61	24217	1.031	ppbV		99
27) tertiary butyl alcohol	6.564	59	23669	0.967	ppbV		96
28) methylene chloride	6.654	49	23887	1.099	ppbV		96
29) 3-chloropropene	6.780	41	25772	1.020	ppbV		96
30) carbon disulfide	6.954	76	59290	1.113	ppbV	#	90
31) Freon 113	6.948	101	35142	1.049	ppbV		98
32) trans-1,2-dichloroethene	7.700	61	24371	1.039	ppbV		99
33) 1,1-dichloroethane	7.917	63	32417	1.052	ppbV		100
34) MTBE	7.992	73	39068	1.005	ppbV		98
35) vinyl acetate	8.108	43	40028	1.175	ppbV		97
36) 2-butanone	8.367	43	46237	1.060	ppbV		99
37) cis-1,2-dichloroethene	8.867	61	23220	1.028	ppbV		99
38) Ethyl Acetate	9.133	61	6023	1.056	ppbV		68
39) chloroform	9.208	83	31475	1.069	ppbV		99
40) Tetrahydrofuran	9.650	42	26025	1.029	ppbV		100
41) 2,2-dichloropropane	9.225	77	18544	0.944	ppbV		93
42) 1,2-dichloroethane	10.042	62	19265	1.085	ppbV		99
44) hexane	9.117	57	27311	1.040	ppbV		78
45) diisopropyl ether	9.117	87	14768	1.019	ppbV		97
46) tert-butyl ethyl ether	9.725	59	44976	1.001	ppbV		97
48) 1,1,1-trichloroethane	10.325	97	26493	1.028	ppbV		97
49) 1,1-dichloropropene	10.693	75	27026	1.036	ppbV		99
50) benzene	10.853	78	63950	1.087	ppbV		100
51) thiophene	11.000	84	40877	0.813	ppbV		98
52) carbon tetrachloride	11.027	117	22998	0.988	ppbV		97
53) cyclohexane	11.173	56	29044	1.039	ppbV		96
54) tert-amyl methyl ether	11.540	73	42231	0.980	ppbV		98
55) dibromomethane	11.767	93	19735	1.035	ppbV		95
56) 1,2-dichloropropane	11.793	63	22291	1.034	ppbV		98
57) bromodichloromethane	12.027	83	30050	1.022	ppbV		100
58) 1,4-dioxane	12.067	88	12102	0.990	ppbV		89
59) trichloroethene	12.073	130	27314	1.057	ppbV		98
60) 2,2,4-trimethylpentane	12.120	57	91092	1.040	ppbV		97
61) methyl methacrylate	12.313	41	23775	0.997	ppbV		98
62) heptane	12.433	43	44889	1.050	ppbV		99
63) cis-1,3-dichloropropene	13.083	75	27636	0.956	ppbV		99
64) 4-methyl-2-pentanone	13.125	43	52633	1.007	ppbV		99
65) trans-1,3-dichloropropene	13.708	75	18469	0.876	ppbV		97
66) 1,1,2-trichloroethane	13.908	97	25284	1.045	ppbV		98

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647511.D
Acq On : 19 Dec 2024 11:02 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD1.0
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:45 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	14.225	91	74993	1.080	ppbV	100
70) 2-methylthiophene	14.292	97	66576	0.833	ppbV	100
71) 1,3-dichloropropane	14.250	76	33424	1.034	ppbV	97
72) 2-hexanone	14.508	43	45918	0.987	ppbV	93
73) 3-methylthiophene	14.483	97	70179	0.818	ppbV	99
74) dibromochloromethane	14.667	129	30857	0.980	ppbV	97
75) 1,2-dibromoethane	14.917	107	35139	1.006	ppbV	98
76) butyl acetate	15.158	73	7124	0.943	ppbV	94
77) octane	15.250	85	24619	1.037	ppbV	95
78) tetrachloroethene	15.375	166	31150	1.057	ppbV	97
79) 1,1,1,2-tetrachloroethane	15.992	131	24434	1.006	ppbV	99
80) chlorobenzene	16.008	112	59382	1.052	ppbV	99
81) ethylbenzene	16.350	91	95545	1.060	ppbV	98
82) 2-ethylthiophene	16.383	97	77022	0.810	ppbV	98
83) m+p-xylene	16.508	91	154370	2.184	ppbV	96
84) bromoform	16.575	173	25824	1.004	ppbV	97
85) styrene	16.833	104	57963	0.980	ppbV	98
86) 1,1,2,2-tetrachloroethane	16.925	83	57188	1.097	ppbV	99
87) o-xylene	16.925	91	80712	1.118	ppbV	95
88) 1,2,3-trichloropropane	17.042	75	42047	1.042	ppbV	99
89) nonane	17.117	43	73538	1.053	ppbV	97
91) isopropylbenzene	17.442	105	99485	1.030	ppbV	98
92) bromobenzene	17.517	77	53029	1.038	ppbV	97
93) 2-chlorotoluene	17.850	126	30579	1.044	ppbV	100
94) n-propylbenzene	17.875	120	32902	1.041	ppbV	95
95) 4-chlorotoluene	17.908	126	28890	1.022	ppbV	90
96) 4-ethyl toluene	18.000	105	102748	1.036	ppbV	99
97) 1,3,5-trimethylbenzene	18.067	105	88539	1.060	ppbV	99
98) tert-butylbenzene	18.408	119	97281	1.099	ppbV	97
99) 1,2,4-trimethylbenzene	18.408	105	89455	1.047	ppbV	90
100) decane	18.492	57	72622	1.109	ppbV	95
101) Benzyl Chloride	18.533	91	27053	0.683	ppbV	98
102) 1,3-dichlorobenzene	18.550	146	64105	1.014	ppbV	97
103) 1,4-dichlorobenzene	18.600	146	63250	0.993	ppbV	98
104) sec-butylbenzene	18.642	105	130795	1.040	ppbV	97
105) 1,2,3-trimethylbenzene	18.775	105	83894	1.072	ppbV	98
106) p-isopropyltoluene	18.767	119	116479	1.097	ppbV	97
107) 1,2-dichlorobenzene	18.900	146	62985	1.029	ppbV	98
108) n-butylbenzene	19.133	91	94405	0.986	ppbV	94
109) indan	18.950	117	90298	1.091	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647511.D
Acq On : 19 Dec 2024 11:02 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD1.0
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:45 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

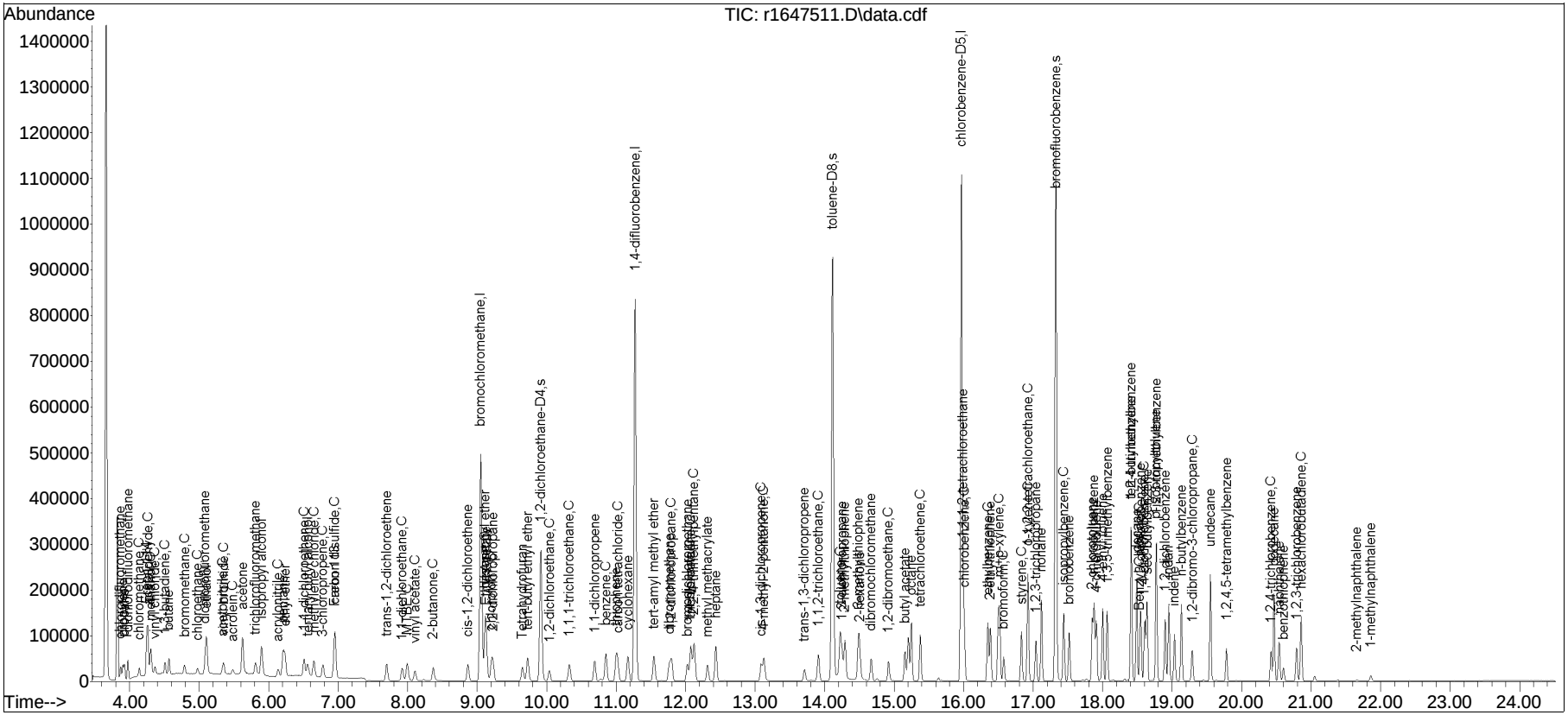
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110) indene	19.033	115	54344	1.037	ppbV		99
111) 1,2-dibromo-3-chloropr...	19.292	75	17383	0.822	ppbV		91
112) undecane	19.550	57	73344	1.046	ppbV		96
113) 1,2,4,5-tetramethylben...	19.783	119	40075	0.873	ppbV		100
114) dodecane	20.467	57	61413	0.921	ppbV		96
115) 1,2,4-trichlorobenzene	20.425	180	22676	0.623	ppbV		95
116) naphthalene	20.542	128	81063	0.746	ppbV		100
117) 1,2,3-trichlorobenzene	20.792	180	25360	0.755	ppbV		98
118) benzothiophene	20.600	134	27088	0.453	ppbV		100
119) hexachlorobutadiene	20.858	225	30460	0.986	ppbV		96
120) 2-methylnaphthalene	21.658	142	2613	0.285	ppbV	#	92
121) 1-methylnaphthalene	21.858	142	8769	0.378	ppbV		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219T_I\r1647513.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647511.D
Acq On : 19 Dec 2024 11:02 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD1.0
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

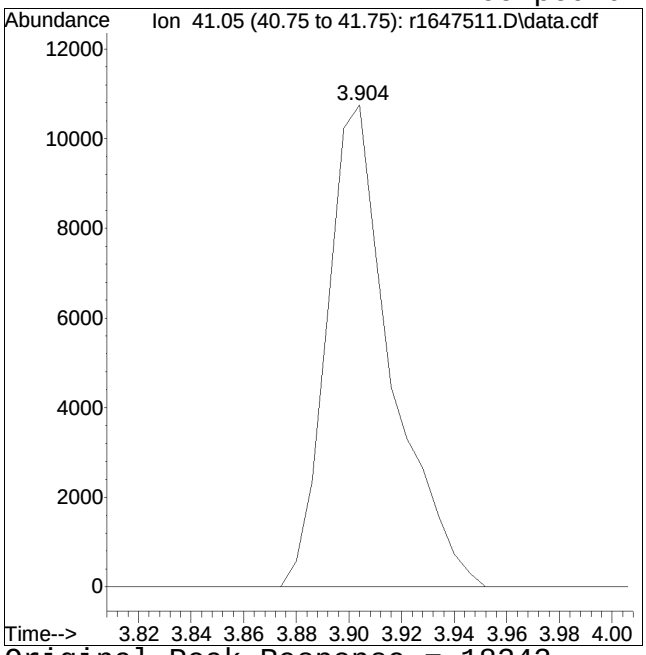
Quant Time: Dec 20 05:29:45 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration



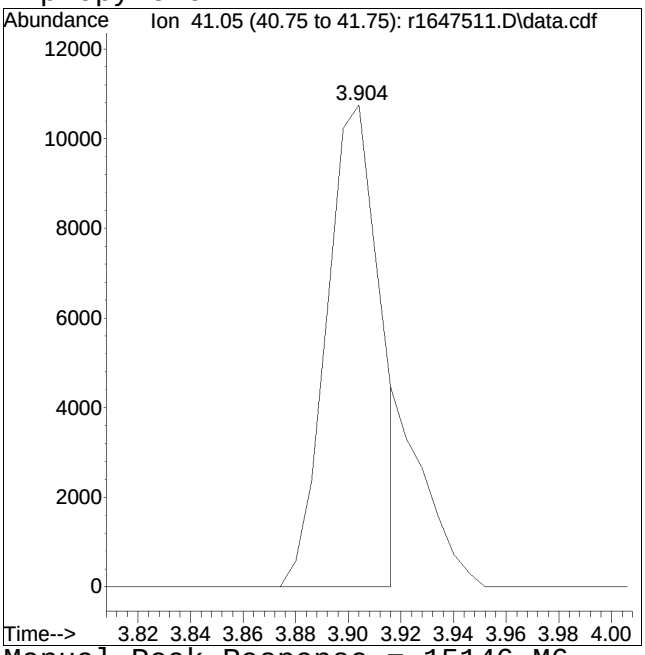
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647511.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 11:02 PM Instrument :
Sample : ITO15-LLSTD1.0 Quant Date : 12/20/2024 5:29 am

Compound #3: propylene



Original Peak Response = 18242



Manual Peak Response = 15146 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647512.D
Acq On : 19 Dec 2024 11:44 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD5.0
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:57 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.058	49	324681	10.000	ppbV	0.00
Standard Area = 329728			Recovery = 98.47%			
43) 1,4-difluorobenzene	11.273	114	870219	10.000	ppbV	0.00
Standard Area = 875855			Recovery = 99.36%			
67) chlorobenzene-D5	15.967	54	116543	10.000	ppbV	0.00
Standard Area = 117599			Recovery = 99.10%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.925	65	191048	10.006	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.06%			
69) toluene-D8	14.117	98	705808	9.871	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.71%			
90) bromofluorobenzene	17.317	95	494770	10.150	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.50%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.880	51	126319	4.942	ppbV	98
3) propylene	3.910	41	68774M6	4.940	ppbV	
4) propane	3.934	29	83396	5.121	ppbV	99
5) dichlorodifluoromethane	3.982	85	153051	5.345	ppbV	100
6) chloromethane	4.144	50	80093	5.210	ppbV	99
7) Freon-114	4.252	85	163129	5.142	ppbV	99
8) methanol	4.312	31	184998	25.915	ppbV	97
9) vinyl chloride	4.372	62	69150	5.070	ppbV	100
10) 1,3-butadiene	4.516	54	59579	5.015	ppbV	99
11) butane	4.576	43	118193	5.124	ppbV	99
12) acetaldehyde	4.270	29	210418	25.777	ppbV	97
13) bromomethane	4.798	94	58888	5.074	ppbV	99
14) chloroethane	4.984	64	31322	5.028	ppbV	99
15) ethanol	5.116	31	285299	25.756	ppbV	99
16) dichlorofluoromethane	5.098	67	121336	5.082	ppbV	99
17) vinyl bromide	5.363	106	60108	5.023	ppbV	95
18) acrolein	5.490	56	31245	5.112	ppbV	98
19) acetone	5.627	43	404248	25.356	ppbV	98
20) acetonitrile	5.347	41	66570	5.020	ppbV	96
21) trichlorofluoromethane	5.820	101	142154	7.581	ppbV	97
22) isopropyl alcohol	5.903	45	400250	12.720	ppbV	100
23) acrylonitrile	6.143	53	65293	4.904	ppbV	98
24) pentane	6.217	43	193953	5.034	ppbV	99

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647512.D
Acq On : 19 Dec 2024 11:44 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD5.0
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:57 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.240	31	126767	4.981	ppbV	100
26) 1,1-dichloroethene	6.516	61	117346	5.036	ppbV	97
27) tertiary butyl alcohol	6.564	59	118683	4.889	ppbV	97
28) methylene chloride	6.660	49	107584	4.991	ppbV	98
29) 3-chloropropene	6.792	41	123558	4.932	ppbV	97
30) carbon disulfide	6.966	76	264974	5.015	ppbV	100
31) Freon 113	6.960	101	168408	5.069	ppbV	99
32) trans-1,2-dichloroethene	7.708	61	115617	4.966	ppbV	99
33) 1,1-dichloroethane	7.933	63	152101	4.974	ppbV	98
34) MTBE	7.992	73	189798	4.922	ppbV	99
35) vinyl acetate	8.108	43	164114	4.856	ppbV	100
36) 2-butanone	8.367	43	215127	4.972	ppbV	99
37) cis-1,2-dichloroethene	8.875	61	113555	5.066	ppbV	97
38) Ethyl Acetate	9.142	61	28327	5.004	ppbV	90
39) chloroform	9.217	83	149067	5.105	ppbV	99
40) Tetrahydrofuran	9.650	42	126069	5.023	ppbV	99
41) 2,2-dichloropropane	9.233	77	94083	4.828	ppbV	95
42) 1,2-dichloroethane	10.042	62	89836	5.100	ppbV	99
44) hexane	9.125	57	131988	5.002	ppbV	94
45) diisopropyl ether	9.117	87	73179	5.024	ppbV	99
46) tert-butyl ethyl ether	9.725	59	223760	4.956	ppbV	98
48) 1,1,1-trichloroethane	10.333	97	127528	4.924	ppbV	98
49) 1,1-dichloropropene	10.693	75	131665	5.020	ppbV	99
50) benzene	10.860	78	296081	5.007	ppbV	99
51) thiophene	11.007	84	250205	4.948	ppbV	100
52) carbon tetrachloride	11.027	117	114892	4.911	ppbV	99
53) cyclohexane	11.173	56	139136	4.954	ppbV	98
54) tert-amyl methyl ether	11.547	73	210080	4.850	ppbV	98
55) dibromomethane	11.767	93	96408	5.031	ppbV	99
56) 1,2-dichloropropane	11.800	63	108397	5.004	ppbV	99
57) bromodichloromethane	12.027	83	146010	4.940	ppbV	100
58) 1,4-dioxane	12.067	88	61364	4.996	ppbV	97
59) trichloroethene	12.080	130	129743	4.993	ppbV	97
60) 2,2,4-trimethylpentane	12.127	57	440758	5.006	ppbV	100
61) methyl methacrylate	12.320	41	116089	4.842	ppbV	99
62) heptane	12.440	43	215341	5.009	ppbV	99
63) cis-1,3-dichloropropene	13.092	75	138932	4.783	ppbV	99
64) 4-methyl-2-pentanone	13.125	43	257753	4.904	ppbV	99
65) trans-1,3-dichloropropene	13.708	75	99849	4.712	ppbV	97
66) 1,1,2-trichloroethane	13.908	97	121082	4.977	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647512.D
Acq On : 19 Dec 2024 11:44 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD5.0
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:57 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	toluene	14.225	91	349124	5.044	ppbV	98
70)	2-methylthiophene	14.292	97	404245	5.072	ppbV	100
71)	1,3-dichloropropane	14.250	76	160042	4.966	ppbV	100
72)	2-hexanone	14.500	43	227965	4.917	ppbV	99
73)	3-methylthiophene	14.492	97	431131	5.043	ppbV	99
74)	dibromochloromethane	14.675	129	154782	4.932	ppbV	99
75)	1,2-dibromoethane	14.925	107	173154	4.973	ppbV	99
76)	butyl acetate	15.150	73	36047	4.787	ppbV	99
77)	octane	15.250	85	118845	5.022	ppbV	96
78)	tetrachloroethene	15.375	166	146720	4.995	ppbV	99
79)	1,1,1,2-tetrachloroethane	15.992	131	120783	4.989	ppbV	99
80)	chlorobenzene	16.008	112	277291	4.927	ppbV	98
81)	ethylbenzene	16.342	91	452345	5.036	ppbV	99
82)	2-ethylthiophene	16.383	97	475684	5.020	ppbV	99
83)	m+p-xylene	16.508	91	715648	10.156	ppbV	99
84)	bromoform	16.567	173	126003	4.912	ppbV	99
85)	styrene	16.825	104	292205	4.957	ppbV	99
86)	1,1,2,2-tetrachloroethane	16.917	83	266474	5.128	ppbV	100
87)	o-xylene	16.917	91	368393	5.120	ppbV	99
88)	1,2,3-trichloropropane	17.025	75	201582	5.009	ppbV	100
89)	nonane	17.108	43	353444	5.077	ppbV	99
91)	isopropylbenzene	17.425	105	483325	5.022	ppbV	100
92)	bromobenzene	17.508	77	254449	4.995	ppbV	97
93)	2-chlorotoluene	17.842	126	144415	4.945	ppbV	91
94)	n-propylbenzene	17.867	120	158313	5.024	ppbV	98
95)	4-chlorotoluene	17.900	126	142900	5.071	ppbV	96
96)	4-ethyl toluene	17.992	105	492548	4.982	ppbV	99
97)	1,3,5-trimethylbenzene	18.050	105	423701	5.087	ppbV	98
98)	tert-butylbenzene	18.400	119	453050	5.135	ppbV	100
99)	1,2,4-trimethylbenzene	18.400	105	430104	5.049	ppbV	91
100)	decane	18.483	57	334284	5.119	ppbV	98
101)	Benzyl Chloride	18.525	91	170821	4.324	ppbV	100
102)	1,3-dichlorobenzene	18.542	146	315313	5.002	ppbV	100
103)	1,4-dichlorobenzene	18.592	146	307961	4.852	ppbV	98
104)	sec-butylbenzene	18.633	105	622158	4.961	ppbV	99
105)	1,2,3-trimethylbenzene	18.767	105	391072	5.012	ppbV	99
106)	p-isopropyltoluene	18.758	119	543273	5.130	ppbV	99
107)	1,2-dichlorobenzene	18.892	146	302593	4.961	ppbV	100
108)	n-butylbenzene	19.125	91	484456	5.074	ppbV	97
109)	indan	18.942	117	415547	5.039	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647512.D
Acq On : 19 Dec 2024 11:44 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD5.0
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:29:57 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

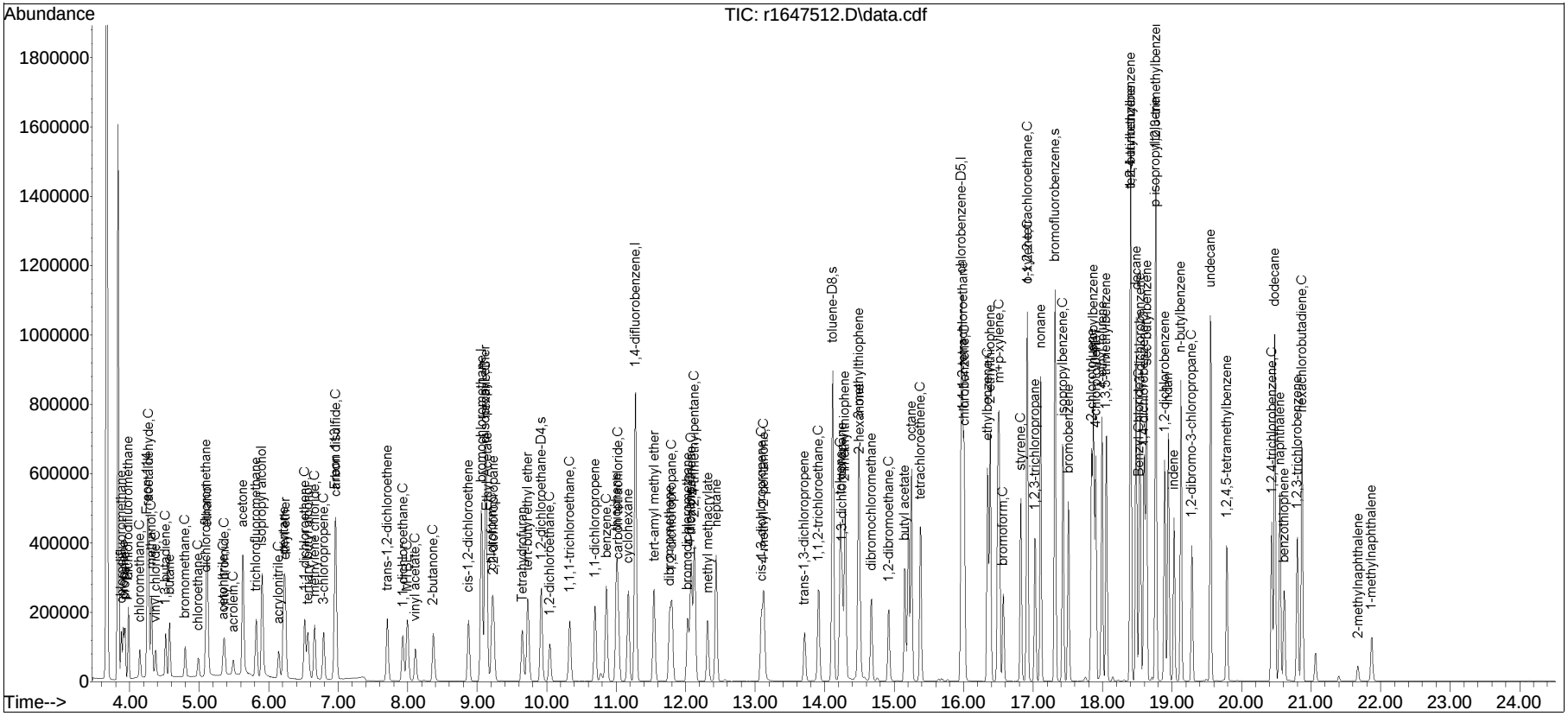
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	19.025	115	258371	4.945	ppbV	97
111) 1,2-dibromo-3-chloropr...	19.283	75	99366	4.712	ppbV	97
112) undecane	19.550	57	353827	5.061	ppbV	97
113) 1,2,4,5-tetramethylben...	19.783	119	228264	4.990	ppbV	100
114) dodecane	20.475	57	327319	4.927	ppbV	99
115) 1,2,4-trichlorobenzene	20.433	180	157471	4.341	ppbV	97
116) naphthalene	20.550	128	486617	4.495	ppbV	100
117) 1,2,3-trichlorobenzene	20.800	180	146292	4.368	ppbV	98
118) benzothiophene	20.608	134	242277	4.066	ppbV	99
119) hexachlorobutadiene	20.867	225	148790	4.832	ppbV	98
120) 2-methylnaphthalene	21.675	142	31384	3.428	ppbV	98
121) 1-methylnaphthalene	21.867	142	88977	3.852	ppbV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219T_I\r1647513.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647512.D
Acq On : 19 Dec 2024 11:44 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD5.0
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

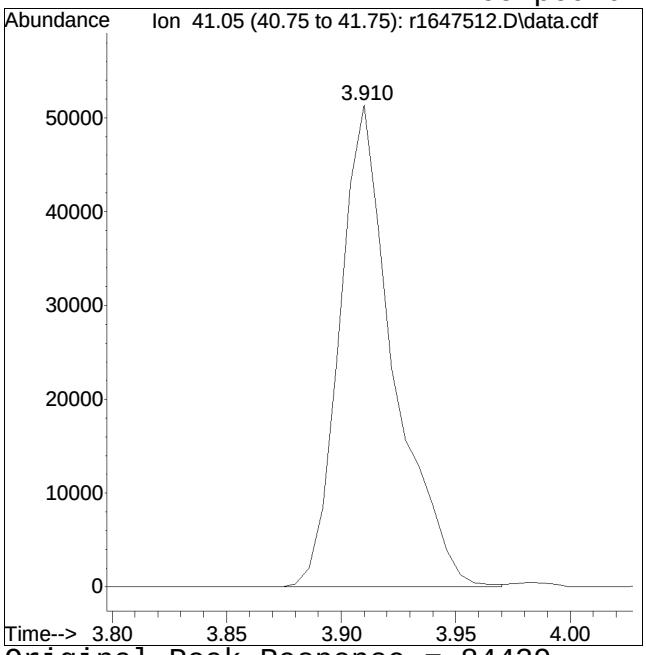
Quant Time: Dec 20 05:29:57 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration



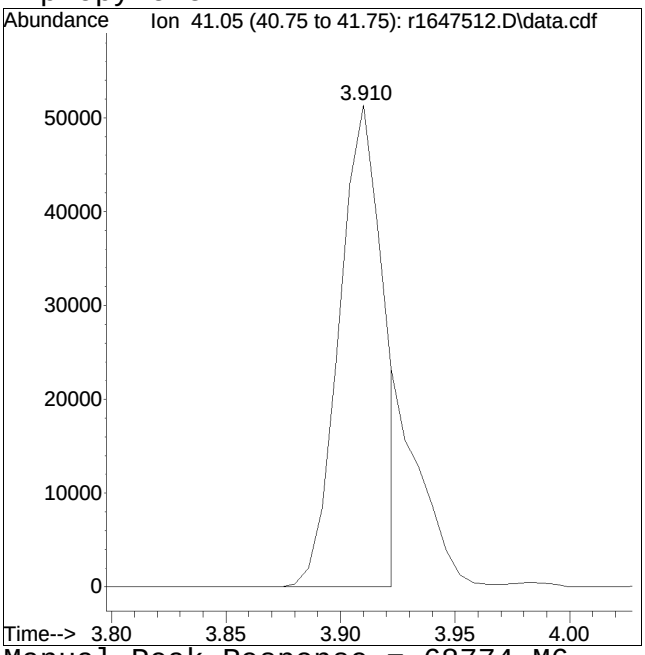
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647512.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 11:44 PM Instrument :
Sample : ITO15-LLSTD5.0 Quant Date : 12/20/2024 5:29 am

Compound #3: propylene



Original Peak Response = 84439



Manual Peak Response = 68774 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647513.D
Acq On : 20 Dec 2024 12:27 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:24:17 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Dec 03 12:17:41 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.058	49	329728	10.000	ppbV	#-0.02
Standard Area = 329728			Recovery = 100.00%			
43) 1,4-difluorobenzene	11.280	114	875855	10.000	ppbV	-0.02
Standard Area = 875855			Recovery = 100.00%			
67) chlorobenzene-D5	15.975	54	117599	10.000	ppbV	0.00
Standard Area = 117599			Recovery = 100.00%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.925	65	192168	10.194	ppbV	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.94%			
69) toluene-D8	14.117	98	721531	9.479	ppbV	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.79%			
90) bromofluorobenzene	17.317	95	491887	13.673	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 136.73%#			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.874	51	259570	9.007	ppbV #	87
3) propylene	3.904	41	141393M6	6.940	ppbV	
4) propane	3.928	29	165372	7.922	ppbV #	92
5) dichlorodifluoromethane	3.982	85	290813	7.048	ppbV	99
6) chloromethane	4.144	50	156128	7.902	ppbV	99
7) Freon-114	4.252	85	322161	6.771	ppbV	93
8) methanol	4.312	31	362476	35.501	ppbV	93
9) vinyl chloride	4.372	62	138521	5.564	ppbV	97
10) 1,3-butadiene	4.516	54	120646	7.526	ppbV #	48
11) butane	4.570	43	234241	6.208	ppbV #	90
12) acetaldehyde	4.270	29	414501	34.765	ppbV	89
13) bromomethane	4.798	94	117861	6.160	ppbV	96
14) chloroethane	4.984	64	63263	4.253	ppbV	100
15) ethanol	5.116	31	562466	27.824	ppbV #	74
16) dichlorofluoromethane	5.098	67	242464	4.356	ppbV #	95
17) vinyl bromide	5.367	106	121529	5.230	ppbV	99
18) acrolein	5.490	56	62067	5.867	ppbV	96
19) acetone	5.627	43	809527	23.344	ppbV #	93
20) acetonitrile	5.350	41	134673	5.133	ppbV	94
21) trichlorofluoromethane	5.820	101	190427	4.218	ppbV	99
22) isopropyl alcohol	5.907	45	798854	20.296	ppbV #	96
23) acrylonitrile	6.143	53	135223	7.891	ppbV	97
24) pentane	6.213	43	391267	7.979	ppbV	95

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647513.D
Acq On : 20 Dec 2024 12:27 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:24:17 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Dec 03 12:17:41 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.237	31	258463	6.589	ppbV	#	87
26) 1,1-dichloroethene	6.516	61	236634	6.092	ppbV		90
27) tertiary butyl alcohol	6.564	59	246527	5.085	ppbV	#	71
28) methylene chloride	6.660	49	218928	8.858	ppbV	#	81
29) 3-chloropropene	6.792	41	254435	7.147	ppbV	#	88
30) carbon disulfide	6.966	76	536547	7.201	ppbV		96
31) Freon 113	6.960	101	337413	6.756	ppbV		98
32) trans-1,2-dichloroethene	7.708	61	236413	6.107	ppbV		89
33) 1,1-dichloroethane	7.933	63	310555	6.139	ppbV		99
34) MTBE	7.992	73	391625	6.693	ppbV		95
35) vinyl acetate	8.108	43	343234	6.724	ppbV		96
36) 2-butanone	8.367	43	439388	8.436	ppbV	#	93
37) cis-1,2-dichloroethene	8.875	61	227642	6.061	ppbV		89
38) Ethyl Acetate	9.142	61	57485	5.453	ppbV	#	53
39) chloroform	9.217	83	296549	7.467	ppbV	#	96
40) Tetrahydrofuran	9.642	42	254888	7.881	ppbV		92
41) 2,2-dichloropropane	9.233	77	197881	6.393	ppbV		90
42) 1,2-dichloroethane	10.042	62	178882	5.854	ppbV	#	89
44) hexane	9.125	57	265581	8.752	ppbV	#	66
45) diisopropyl ether	9.117	87	146597	9.651	ppbV	#	52
46) tert-butyl ethyl ether	9.725	59	454418	7.586	ppbV		93
48) 1,1,1-trichloroethane	10.333	97	260673	8.925	ppbV		95
49) 1,1-dichloropropene	10.693	75	264004	10.138	ppbV		89
50) benzene	10.860	78	595166	10.001	ppbV		98
51) thiophene	11.007	84	508905	11.782	ppbV	#	87
52) carbon tetrachloride	11.033	117	235472	9.272	ppbV		98
53) cyclohexane	11.173	56	282681	9.096	ppbV		90
54) tert-amyl methyl ether	11.540	73	435963	8.321	ppbV		93
55) dibromomethane	11.767	93	192885	9.969	ppbV		97
56) 1,2-dichloropropane	11.800	63	218003	8.639	ppbV		99
57) bromodichloromethane	12.033	83	297495	10.418	ppbV		99
58) 1,4-dioxane	12.060	88	123623	9.810	ppbV		88
59) trichloroethene	12.080	130	261515	9.675	ppbV		99
60) 2,2,4-trimethylpentane	12.127	57	886150	8.931	ppbV		93
61) methyl methacrylate	12.313	41	241320	9.913	ppbV		92
62) heptane	12.440	43	432700	12.168	ppbV	#	82
63) cis-1,3-dichloropropene	13.092	75	292370	10.050	ppbV		90
64) 4-methyl-2-pentanone	13.125	43	528953	12.662	ppbV	#	82
65) trans-1,3-dichloropropene	13.708	75	213255	9.948	ppbV	#	89
66) 1,1,2-trichloroethane	13.908	97	244857	10.104	ppbV		90

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647513.D
Acq On : 20 Dec 2024 12:27 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:24:17 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Dec 03 12:17:41 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	14.225	91	698388	8.014	ppbV		98
70) 2-methylthiophene	14.300	97	804251	9.437	ppbV	#	98
71) 1,3-dichloropropane	14.250	76	325170	8.970	ppbV		99
72) 2-hexanone	14.500	43	467820	9.738	ppbV	#	79
73) 3-methylthiophene	14.483	97	862687	9.637	ppbV	#	98
74) dibromochloromethane	14.675	129	316674	8.590	ppbV		99
75) 1,2-dibromoethane	14.925	107	351369	8.332	ppbV		99
76) butyl acetate	15.150	73	75991	8.135	ppbV		69
77) octane	15.250	85	238792	9.163	ppbV	#	75
78) tetrachloroethene	15.375	166	296388	8.310	ppbV		95
79) 1,1,1,2-tetrachloroethane	15.992	131	244285	9.357	ppbV		99
80) chlorobenzene	16.008	112	567925	9.133	ppbV		97
81) ethylbenzene	16.342	91	906425	10.586	ppbV		99
82) 2-ethylthiophene	16.383	97	956124	12.076	ppbV	#	95
83) m+p-xylene	16.508	91	1422051	21.439	ppbV		100
84) bromoform	16.575	173	258838	10.950	ppbV		96
85) styrene	16.825	104	594796	10.826	ppbV		95
86) 1,1,2,2-tetrachloroethane	16.917	83	524369	12.287	ppbV		98
87) o-xylene	16.917	91	726097	11.612	ppbV		99
88) 1,2,3-trichloropropane	17.033	75	406058	13.550	ppbV		95
89) nonane	17.108	43	702519	13.543	ppbV	#	73
91) isopropylbenzene	17.433	105	971171	11.500	ppbV		97
92) bromobenzene	17.508	77	514048	13.224	ppbV		94
93) 2-chlorotoluene	17.842	126	294681	14.333	ppbV		88
94) n-propylbenzene	17.867	120	317943	14.567	ppbV		91
95) 4-chlorotoluene	17.900	126	284368M3	13.341	ppbV		
96) 4-ethyl toluene	17.992	105	997678	13.625	ppbV		97
97) 1,3,5-trimethylbenzene	18.058	105	840494	11.747	ppbV		95
98) tert-butylbenzene	18.400	119	890277	9.070	ppbV		95
99) 1,2,4-trimethylbenzene	18.408	105	859560	13.517	ppbV	#	65
100) decane	18.483	57	658935M3	10.932	ppbV		
101) Benzyl Chloride	18.525	91	398616	10.248	ppbV		99
102) 1,3-dichlorobenzene	18.542	146	636145	13.600	ppbV		96
103) 1,4-dichlorobenzene	18.600	146	640453M3	13.978	ppbV		
104) sec-butylbenzene	18.633	105	1265492	11.038	ppbV		99
105) 1,2,3-trimethylbenzene	18.767	105	787356	12.500	ppbV		97
106) p-isopropyltoluene	18.767	119	1068513	12.432	ppbV		98
107) 1,2-dichlorobenzene	18.892	146	615504	15.277	ppbV		95
108) n-butylbenzene	19.125	91	963408	15.006	ppbV		98
109) indan	18.950	117	832184	16.127	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647513.D
Acq On : 20 Dec 2024 12:27 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:24:17 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Dec 03 12:17:41 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

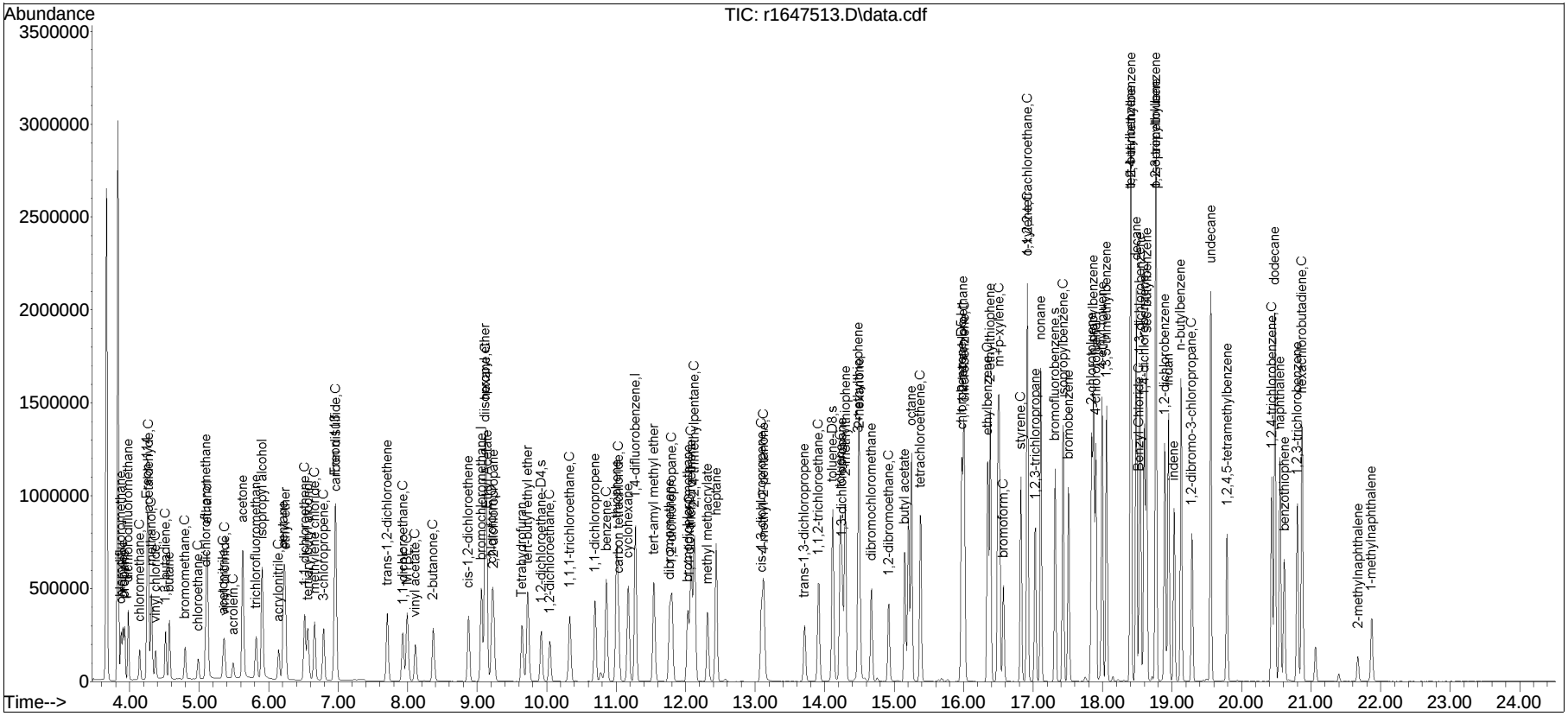
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	19.025	115	527242	15.567	ppbV	99
111) 1,2-dibromo-3-chloropr...	19.283	75	212785	15.718	ppbV #	92
112) undecane	19.558	57	705447	10.610	ppbV #	70
113) 1,2,4,5-tetramethylben...	19.792	119	461561	11.054	ppbV	96
114) dodecane	20.475	57	670419	10.046	ppbV #	63
115) 1,2,4-trichlorobenzene	20.433	180	366068	15.128	ppbV	97
116) naphthalene	20.550	128	1092396	16.109	ppbV	99
117) 1,2,3-trichlorobenzene	20.800	180	337920	13.695	ppbV	98
118) benzothiophene	20.617	134	601264	14.093	ppbV	98
119) hexachlorobutadiene	20.867	225	310727	8.514	ppbV	98
120) 2-methylnaphthalene	21.675	142	92376	7.428	ppbV	99
121) 1-methylnaphthalene	21.867	142	233110	9.014	ppbV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219T_I\r1647513.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647513.D
Acq On : 20 Dec 2024 12:27 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

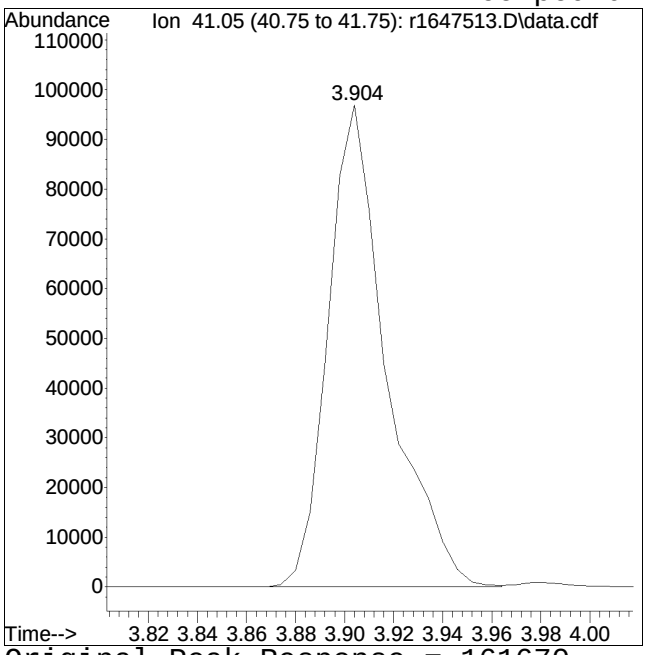
Quant Time: Dec 20 05:24:17 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Dec 03 12:17:41 2024
Response via : Initial Calibration



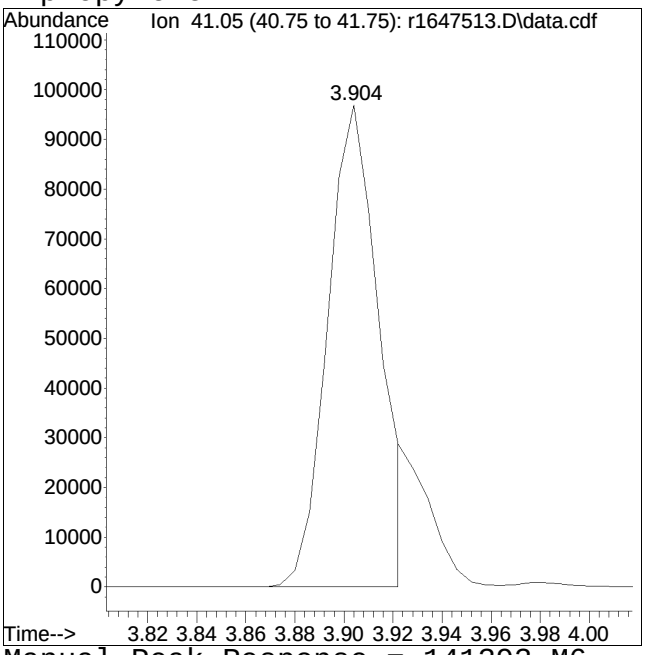
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647513.D Operator : AIRLAB16:JMB
Date Inj'd : 12/20/2024 12:27 AM Instrument :
Sample : ITO15-LLSTD010 Quant Date : 12/20/2024 5:24 am

Compound #3: propylene



Original Peak Response = 161670



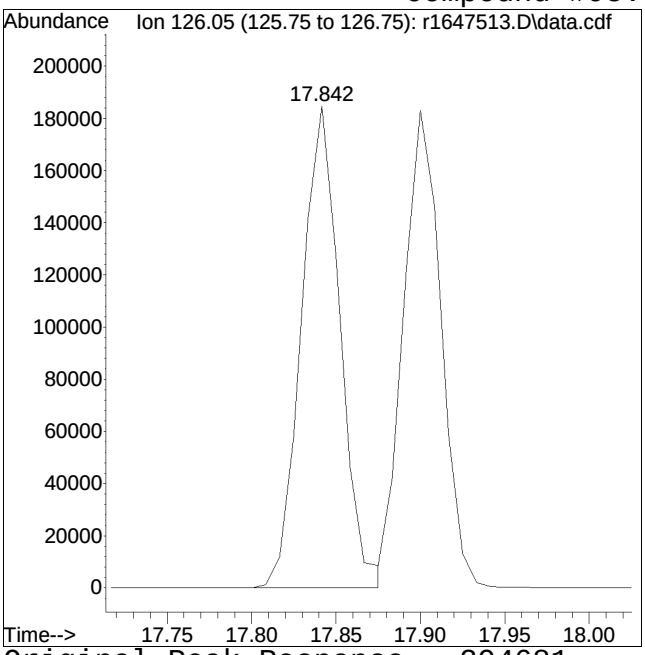
Manual Peak Response = 141393 M6

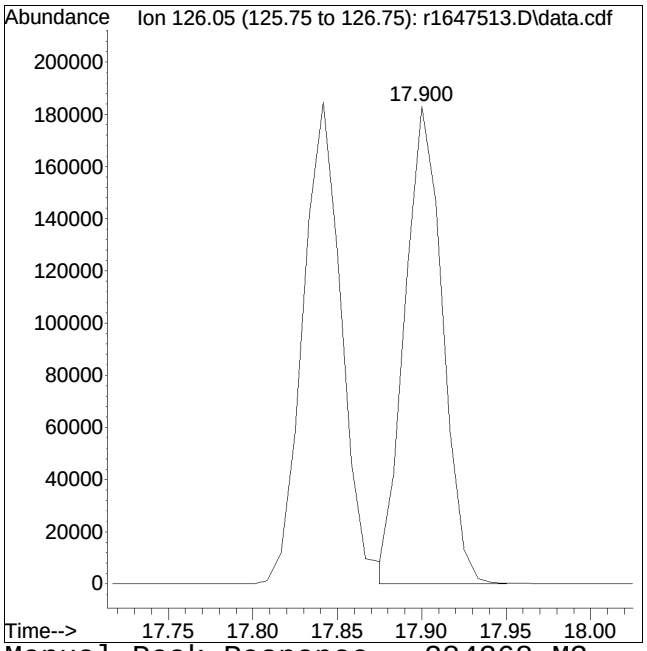
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647513.D Operator : AIRLAB16:JMB
Date Inj'd : 12/20/2024 12:27 AM Instrument :
Sample : ITO15-LLSTD010 Quant Date : 12/20/2024 5:24 am

Compound #95: 4-chlorotoluene





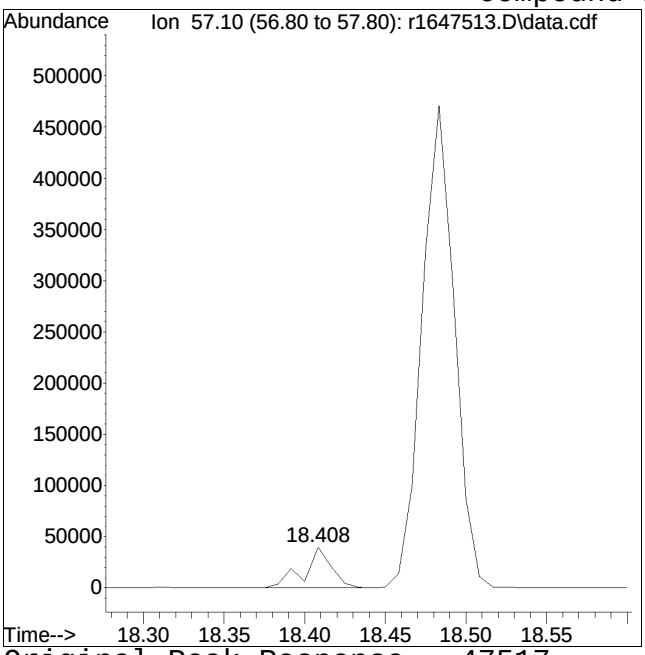
Original Peak Response = 294681 Manual Peak Response = 284368 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

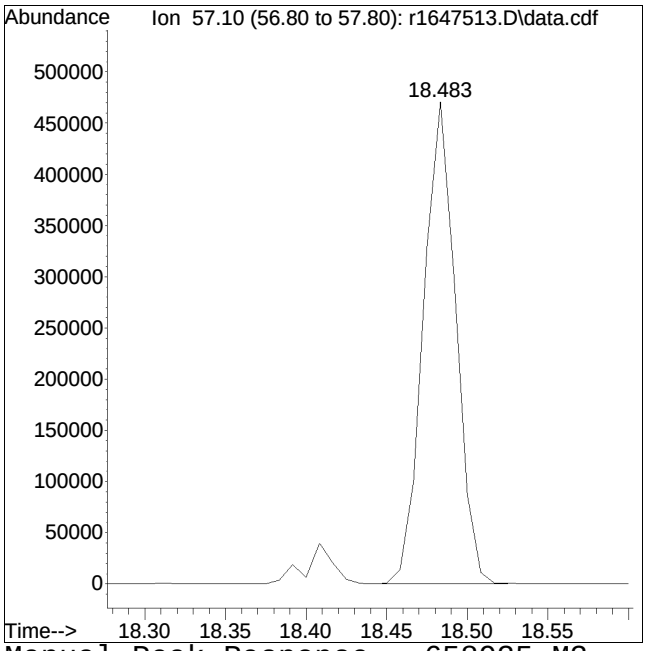
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647513.D Operator : AIRLAB16:JMB
Date Inj'd : 12/20/2024 12:27 AM Instrument :
Sample : ITO15-LLSTD010 Quant Date : 12/20/2024 5:24 am

Compound #100: decane



Original Peak Response = 47517



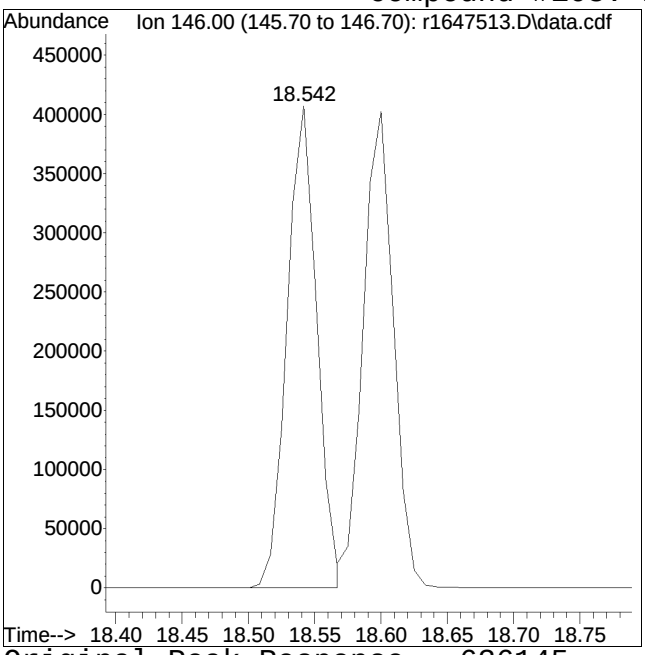
Manual Peak Response = 658935 M3

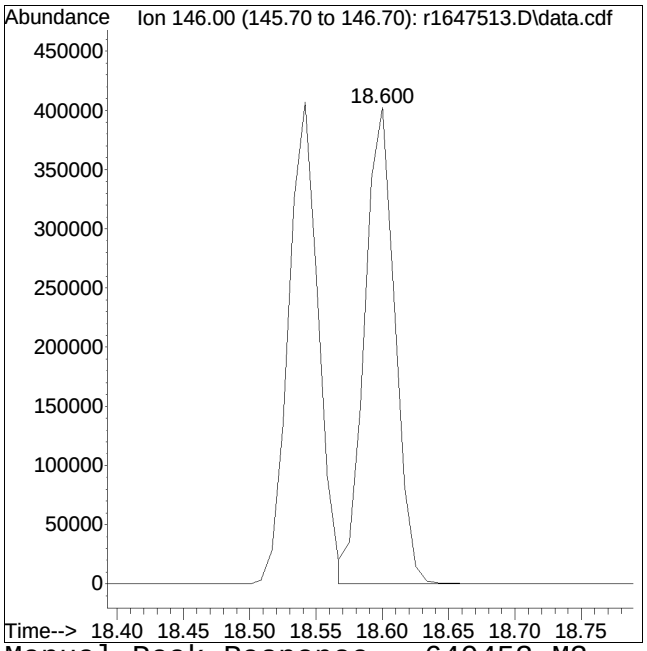
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647513.D Operator : AIRLAB16:JMB
Date Inj'd : 12/20/2024 12:27 AM Instrument :
Sample : ITO15-LLSTD010 Quant Date : 12/20/2024 5:24 am

Compound #103: 1,4-dichlorobenzene





Original Peak Response = 636145 Manual Peak Response = 640453 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647514.D
Acq On : 20 Dec 2024 1:06 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD020
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:30:09 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.058	49	333252	10.000	ppbV	0.00
Standard Area = 329728			Recovery = 101.07%			
43) 1,4-difluorobenzene	11.280	114	875972	10.000	ppbV	0.00
Standard Area = 875855			Recovery = 100.01%			
67) chlorobenzene-D5	15.975	54	114323	10.000	ppbV	0.00
Standard Area = 117599			Recovery = 97.21%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.925	65	197703	10.287	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.87%			
69) toluene-D8	14.117	98	770839	10.990	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.90%			
90) bromofluorobenzene	17.317	95	513496	10.738	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.38%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.874	51	522400	19.913	ppbV	98
3) propylene	3.898	41	268561M6	18.793	ppbV	
4) propane	3.928	29	340440	20.369	ppbV	96
5) dichlorodifluoromethane	3.976	85	576577	19.617	ppbV	100
6) chloromethane	4.144	50	308820	19.571	ppbV	100
7) Freon-114	4.252	85	641113	19.690	ppbV	99
8) methanol	4.312	31	642299	87.662	ppbV	99
9) vinyl chloride	4.372	62	278877	19.920	ppbV	99
10) 1,3-butadiene	4.516	54	241316	19.790	ppbV	99
11) butane	4.570	43	451229	19.060	ppbV	99
12) acetaldehyde	4.270	29	825763	98.556	ppbV	96
13) bromomethane	4.798	94	240300	20.173	ppbV	99
14) chloroethane	4.984	64	131100	20.504	ppbV	99
15) ethanol	5.116	31	1128047	99.217	ppbV	99
16) dichlorofluoromethane	5.098	67	492560	20.100	ppbV	99
17) vinyl bromide	5.363	106	254700	20.736	ppbV	97
18) acrolein	5.490	56	134359	21.419	ppbV	99
19) acetone	5.627	43	1674834	102.351	ppbV	99
20) acetonitrile	5.347	41	288304	21.181	ppbV	99
21) trichlorofluoromethane	5.820	101	592876	30.805	ppbV	98
22) isopropyl alcohol	5.907	45	1729705	53.558	ppbV	99
23) acrylonitrile	6.143	53	296838	21.720	ppbV	99
24) pentane	6.213	43	817381	20.670	ppbV	99

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647514.D
Acq On : 20 Dec 2024 1:06 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD020
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:30:09 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.237	31	558659	21.386	ppbV	100
26) 1,1-dichloroethene	6.516	61	502397	21.006	ppbV	98
27) tertiary butyl alcohol	6.564	59	538781	21.624	ppbV	99
28) methylene chloride	6.660	49	473138	21.383	ppbV	99
29) 3-chloropropene	6.792	41	542836	21.109	ppbV	97
30) carbon disulfide	6.966	76	1157476	21.345	ppbV	98
31) Freon 113	6.960	101	719447	21.097	ppbV	98
32) trans-1,2-dichloroethene	7.708	61	504758	21.125	ppbV	99
33) 1,1-dichloroethane	7.933	63	660418	21.041	ppbV	100
34) MTBE	7.992	73	848988	21.449	ppbV	100
35) vinyl acetate	8.108	43	829289	23.906	ppbV	100
36) 2-butanone	8.367	43	942301	21.219	ppbV	99
37) cis-1,2-dichloroethene	8.875	61	490023	21.298	ppbV	100
38) Ethyl Acetate	9.133	61	126139	21.711	ppbV	59
39) chloroform	9.217	83	642687	21.443	ppbV	98
40) Tetrahydrofuran	9.642	42	551124	21.394	ppbV	99
41) 2,2-dichloropropane	9.233	77	442745	22.138	ppbV	94
42) 1,2-dichloroethane	10.050	62	376624	20.832	ppbV	99
44) hexane	9.125	57	568129	21.389	ppbV	99
45) diisopropyl ether	9.117	87	314687	21.463	ppbV	99
46) tert-butyl ethyl ether	9.725	59	970778	21.360	ppbV	100
48) 1,1,1-trichloroethane	10.333	97	559286	21.453	ppbV	99
49) 1,1-dichloropropene	10.700	75	576859	21.847	ppbV	99
50) benzene	10.860	78	1290318	21.677	ppbV	100
51) thiophene	11.007	84	885354	17.395	ppbV	99
52) carbon tetrachloride	11.027	117	512664	21.769	ppbV	100
53) cyclohexane	11.173	56	608209	21.513	ppbV	98
54) tert-amyl methyl ether	11.540	73	966421	22.165	ppbV	99
55) dibromomethane	11.767	93	407289	21.113	ppbV	99
56) 1,2-dichloropropane	11.800	63	464375	21.298	ppbV	99
57) bromodichloromethane	12.033	83	642465	21.593	ppbV	99
58) 1,4-dioxane	12.060	88	272650	22.052	ppbV	97
59) trichloroethene	12.080	130	557899	21.330	ppbV	98
60) 2,2,4-trimethylpentane	12.127	57	1839420	20.755	ppbV	99
61) methyl methacrylate	12.313	41	539899	22.370	ppbV	98
62) heptane	12.440	43	920178	21.263	ppbV	99
63) cis-1,3-dichloropropene	13.092	75	659529	22.555	ppbV	98
64) 4-methyl-2-pentanone	13.125	43	1145956	21.662	ppbV	100
65) trans-1,3-dichloropropene	13.708	75	495641	23.239	ppbV	98
66) 1,1,2-trichloroethane	13.917	97	526008	21.479	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647514.D
Acq On : 20 Dec 2024 1:06 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD020
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:30:09 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	toluene	14.225	91	1480413	21.805	ppbV	100
70)	2-methylthiophene	14.300	97	1359668	17.390	ppbV	99
71)	1,3-dichloropropane	14.250	76	702724	22.230	ppbV	97
72)	2-hexanone	14.500	43	1028413	22.613	ppbV	100
73)	3-methylthiophene	14.492	97	1442422	17.199	ppbV	98
74)	dibromochloromethane	14.675	129	675335	21.937	ppbV	100
75)	1,2-dibromoethane	14.925	107	767347	22.465	ppbV	99
76)	butyl acetate	15.150	73	183268	24.808	ppbV	94
77)	octane	15.250	85	504213	21.720	ppbV	99
78)	tetrachloroethene	15.383	166	627478	21.777	ppbV	99
79)	1,1,1,2-tetrachloroethane	15.992	131	523117	22.028	ppbV	99
80)	chlorobenzene	16.008	112	1213954	21.988	ppbV	99
81)	ethylbenzene	16.350	91	1900603	21.569	ppbV	98
82)	2-ethylthiophene	16.383	97	1579372	16.992	ppbV	99
83)	m+p-xylene	16.508	91	2930000	42.389	ppbV	96
84)	bromoform	16.575	173	564171	22.421	ppbV	100
85)	styrene	16.825	104	1305640	22.580	ppbV	99
86)	1,1,2,2-tetrachloroethane	16.917	83	1108966	21.755	ppbV	98
87)	o-xylene	16.917	91	1478925	20.952	ppbV	96
88)	1,2,3-trichloropropane	17.033	75	870640	22.056	ppbV	98
89)	nonane	17.117	43	1452204	21.264	ppbV	99
91)	isopropylbenzene	17.433	105	2032662	21.530	ppbV	100
92)	bromobenzene	17.508	77	1095677	21.925	ppbV	98
93)	2-chlorotoluene	17.842	126	606690	21.178	ppbV	97
94)	n-propylbenzene	17.867	120	657394	21.269	ppbV	97
95)	4-chlorotoluene	17.900	126	597094	21.599	ppbV	99
96)	4-ethyl toluene	17.992	105	2112919	21.785	ppbV	99
97)	1,3,5-trimethylbenzene	18.058	105	1809008	22.140	ppbV	97
98)	tert-butylbenzene	18.408	119	1827973	21.121	ppbV	100
99)	1,2,4-trimethylbenzene	18.408	105	1796173	21.495	ppbV	99
100)	decane	18.483	57	1347752	21.040	ppbV	99
101)	Benzyl Chloride	18.533	91	947496	24.451	ppbV	98
102)	1,3-dichlorobenzene	18.542	146	1384319	22.385	ppbV	100
103)	1,4-dichlorobenzene	18.600	146	1321028	21.218	ppbV	99
104)	sec-butylbenzene	18.633	105	2643318	21.486	ppbV	99
105)	1,2,3-trimethylbenzene	18.767	105	1678879	21.934	ppbV	99
106)	p-isopropyltoluene	18.767	119	2185088	21.036	ppbV	99
107)	1,2-dichlorobenzene	18.892	146	1293569	21.619	ppbV	99
108)	n-butylbenzene	19.133	91	1954044	20.864	ppbV	99
109)	indan	18.950	117	1778374	21.982	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647514.D
Acq On : 20 Dec 2024 1:06 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD020
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:30:09 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

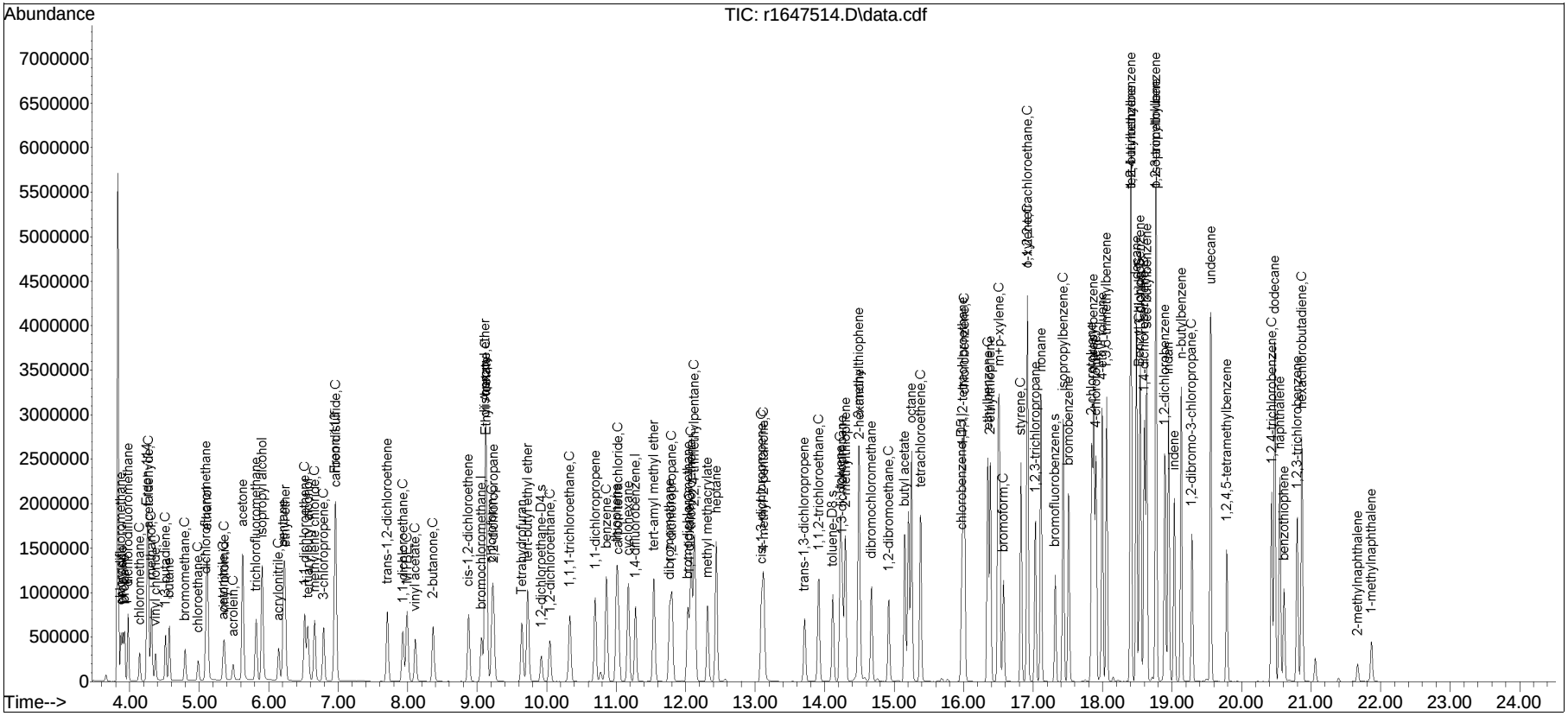
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	19.033	115	1184090	23.102	ppbV	97
111) 1,2-dibromo-3-chloropr...	19.283	75	452679	21.884	ppbV	98
112) undecane	19.558	57	1435533	20.932	ppbV	99
113) 1,2,4,5-tetramethylben...	19.783	119	853947	19.031	ppbV	99
114) dodecane	20.475	57	1232371	18.909	ppbV	98
115) 1,2,4-trichlorobenzene	20.433	180	736348	20.691	ppbV	99
116) naphthalene	20.550	128	2063256	19.429	ppbV	99
117) 1,2,3-trichlorobenzene	20.800	180	644306	19.613	ppbV	97
118) benzothiophene	20.608	134	927134	15.862	ppbV	99
119) hexachlorobutadiene	20.867	225	604961	20.027	ppbV	98
120) 2-methylnaphthalene	21.667	142	134015	14.923	ppbV	99
121) 1-methylnaphthalene	21.867	142	301730	13.315	ppbV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219T_I\r1647513.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647514.D
Acq On : 20 Dec 2024 1:06 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD020
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

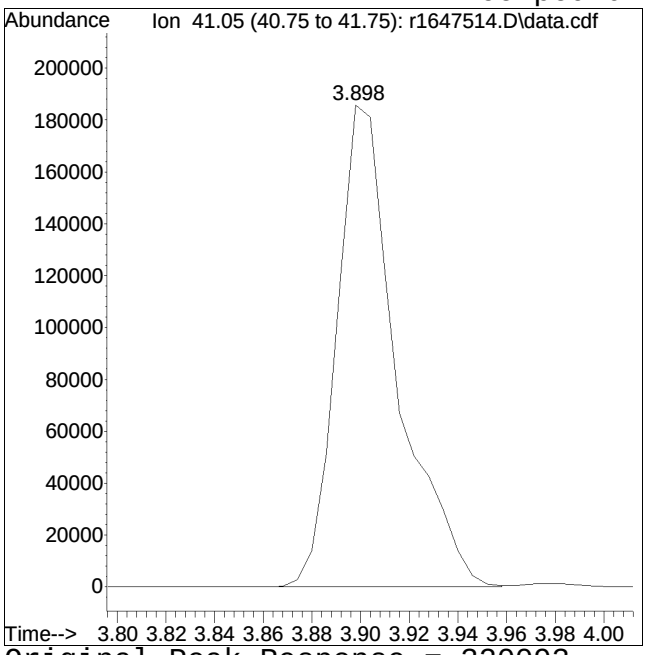
Quant Time: Dec 20 05:30:09 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration



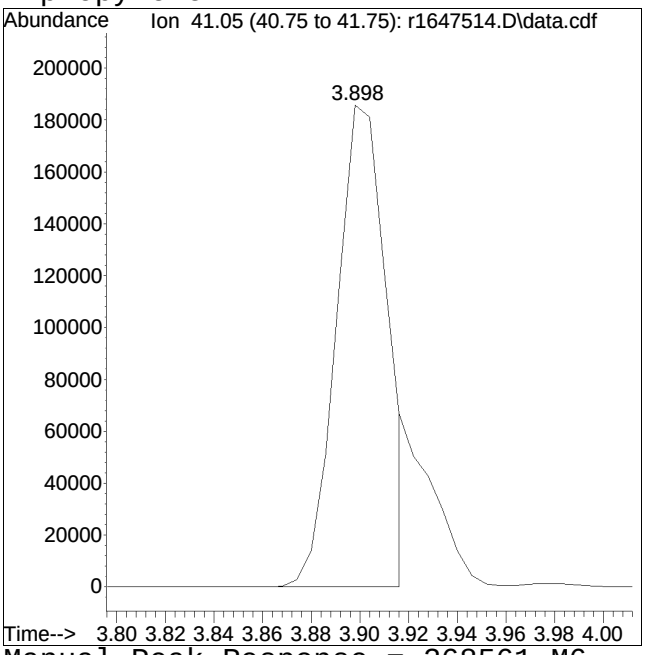
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647514.D Operator : AIRLAB16:JMB
Date Inj'd : 12/20/2024 1:06 AM Instrument :
Sample : ITO15-LLSTD020 Quant Date : 12/20/2024 5:30 am

Compound #3: propylene



Original Peak Response = 320093



Manual Peak Response = 268561 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647515.D
Acq On : 20 Dec 2024 1:46 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD050
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:30:22 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.058	49	333212	10.000	ppbV	0.00
Standard Area = 329728			Recovery = 101.06%			
43) 1,4-difluorobenzene	11.280	114	854207	10.000	ppbV	0.00
Standard Area = 875855			Recovery = 97.53%			
67) chlorobenzene-D5	15.975	54	107390	10.000	ppbV	# 0.00
Standard Area = 117599			Recovery = 91.32%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.925	65	163104	8.703	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.03%			
69) toluene-D8	14.117	98	701844	10.652	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.52%			
90) bromofluorobenzene	17.325	95	476709	10.613	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.13%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.874	51	1225648	46.725	ppbV	97
3) propylene	3.898	41	636742M6	44.563	ppbV	
4) propane	3.928	29	837057	50.087	ppbV	93
5) dichlorodifluoromethane	3.976	85	1341898	45.661	ppbV	100
6) chloromethane	4.144	50	727133	46.086	ppbV	99
7) Freon-114	4.246	85	1457651	44.773	ppbV	98
8) methanol	4.312	31	1538532	210.006	ppbV	98
9) vinyl chloride	4.372	62	664104	47.441	ppbV	100
10) 1,3-butadiene	4.516	54	565076	46.348	ppbV	100
11) butane	4.570	43	1020518	43.111	ppbV	99
12) acetaldehyde	4.264	29	1943025	231.931	ppbV	93
13) bromomethane	4.792	94	556893	46.756	ppbV	100
14) chloroethane	4.984	64	302834	47.369	ppbV	99
15) ethanol	5.122	31	2474153	217.638	ppbV	94
16) dichlorofluoromethane	5.098	67	1104833	45.090	ppbV	99
17) vinyl bromide	5.363	106	569314	46.356	ppbV	99
18) acrolein	5.487	56	315141	50.243	ppbV	97
19) acetone	5.623	43	3610153	220.648	ppbV	94
20) acetonitrile	5.347	41	654862	48.118	ppbV	99
21) trichlorofluoromethane	5.820	101	890029	46.250	ppbV	97
22) isopropyl alcohol	5.910	45	3609210	111.769	ppbV	99
23) acrylonitrile	6.143	53	747118	54.673	ppbV	98
24) pentane	6.213	43	1760463	44.523	ppbV	97

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647515.D
Acq On : 20 Dec 2024 1:46 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD050
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:30:22 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.233	31	1314785	50.337	ppbV		97
26) 1,1-dichloroethene	6.516	61	1085943	45.411	ppbV		99
27) tertiary butyl alcohol	6.564	59	1225209	49.179	ppbV		94
28) methylene chloride	6.660	49	1135057	51.304	ppbV		100
29) 3-chloropropene	6.792	41	1196156	46.521	ppbV		94
30) carbon disulfide	6.960	76	2701475	49.823	ppbV		94
31) Freon 113	6.954	101	1596301	46.815	ppbV		95
32) trans-1,2-dichloroethene	7.708	61	1107168	46.342	ppbV		98
33) 1,1-dichloroethane	7.925	63	1442299	45.957	ppbV		100
34) MTBE	7.992	73	1969816	49.773	ppbV		97
35) vinyl acetate	8.108	43	1907544	54.995	ppbV		98
36) 2-butanone	8.367	43	2079615	46.835	ppbV		97
37) cis-1,2-dichloroethene	8.875	61	1077601	46.843	ppbV		97
38) Ethyl Acetate	9.133	61	286853	49.379	ppbV		87
39) chloroform	9.217	83	1454876	48.547	ppbV		98
40) Tetrahydrofuran	9.642	42	1226228	47.605	ppbV		95
41) 2,2-dichloropropane	9.233	77	1042955	52.155	ppbV	#	84
42) 1,2-dichloroethane	10.042	62	775307	42.889	ppbV		94
44) hexane	9.125	57	1314949	50.767	ppbV		83
45) diisopropyl ether	9.117	87	732029	51.200	ppbV		86
46) tert-butyl ethyl ether	9.725	59	2178678	49.159	ppbV		97
48) 1,1,1-trichloroethane	10.333	97	1199228	47.171	ppbV		97
49) 1,1-dichloropropene	10.693	75	1357917	52.739	ppbV		92
50) benzene	10.860	78	3127704	53.884	ppbV		100
51) thiophene	11.007	84	2085856	42.026	ppbV		96
52) carbon tetrachloride	11.027	117	1160458	50.531	ppbV		100
53) cyclohexane	11.173	56	1435248	52.059	ppbV		94
54) tert-amyl methyl ether	11.540	73	2286965	53.787	ppbV		96
55) dibromomethane	11.767	93	890860	47.357	ppbV		98
56) 1,2-dichloropropane	11.800	63	1020520	47.999	ppbV		98
57) bromodichloromethane	12.027	83	1475320	50.848	ppbV		98
58) 1,4-dioxane	12.060	88	634541	52.630	ppbV		99
59) trichloroethene	12.080	130	1259409	49.379	ppbV		99
60) 2,2,4-trimethylpentane	12.127	57	4207507	48.684	ppbV		95
61) methyl methacrylate	12.313	41	1169550	49.693	ppbV		93
62) heptane	12.440	43	2028734	48.074	ppbV		96
63) cis-1,3-dichloropropene	13.092	75	1589158	55.732	ppbV		93
64) 4-methyl-2-pentanone	13.117	43	2507258	48.602	ppbV		96
65) trans-1,3-dichloropropene	13.708	75	1202696	57.826	ppbV		93
66) 1,1,2-trichloroethane	13.917	97	1170826	49.029	ppbV		94

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647515.D
Acq On : 20 Dec 2024 1:46 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD050
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:30:22 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	14.225	91	3279285	51.419	ppbV	99
70) 2-methylthiophene	14.300	97	3012067	41.012	ppbV	100
71) 1,3-dichloropropane	14.258	76	1664847	56.067	ppbV	90
72) 2-hexanone	14.500	43	2238444	52.397	ppbV	96
73) 3-methylthiophene	14.492	97	3118171	39.581	ppbV	99
74) dibromochloromethane	14.675	129	1520627	52.584	ppbV	98
75) 1,2-dibromoethane	14.925	107	1752746	54.625	ppbV	100
76) butyl acetate	15.150	73	443182	63.865	ppbV	79
77) octane	15.250	85	1178698	54.053	ppbV	88
78) tetrachloroethene	15.375	166	1421381	52.516	ppbV	94
79) 1,1,1,2-tetrachloroethane	15.992	131	1150169	51.559	ppbV	98
80) chlorobenzene	16.008	112	2798021	53.951	ppbV	100
81) ethylbenzene	16.350	91	4175476	50.445	ppbV	94
82) 2-ethylthiophene	16.392	97	3465479	39.691	ppbV	93
83) m+p-xylene	16.517	91	6485350	99.882	ppbV	96
84) bromoform	16.583	173	1327640	56.168	ppbV	99
85) styrene	16.833	104	3043736	56.037	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.925	83	2544901	53.146	ppbV	99
87) o-xylene	16.925	91	3216641	48.512	ppbV	94
88) 1,2,3-trichloropropane	17.042	75	2081423	56.132	ppbV	96
89) nonane	17.125	43	3174390	49.481	ppbV	95
91) isopropylbenzene	17.442	105	4619647	52.090	ppbV	98
92) bromobenzene	17.525	77	2626544	55.953	ppbV	96
93) 2-chlorotoluene	17.850	126	1387399	51.557	ppbV	89
94) n-propylbenzene	17.883	120	1537277	52.947	ppbV	86
95) 4-chlorotoluene	17.908	126	1366894	52.637	ppbV	91
96) 4-ethyl toluene	18.000	105	4821740	52.924	ppbV	99
97) 1,3,5-trimethylbenzene	18.067	105	4085569	53.230	ppbV	99
98) tert-butylbenzene	18.417	119	3930918	48.351	ppbV	99
99) 1,2,4-trimethylbenzene	18.417	105	3787377	48.251	ppbV	98
100) decane	18.492	57	3075798	51.116	ppbV	91
101) Benzyl Chloride	18.533	91	2434447	66.878	ppbV	97
102) 1,3-dichlorobenzene	18.550	146	3069632	52.841	ppbV	98
103) 1,4-dichlorobenzene	18.608	146	3091056	52.852	ppbV	97
104) sec-butylbenzene	18.642	105	5830724	50.455	ppbV	97
105) 1,2,3-trimethylbenzene	18.775	105	3549670	49.369	ppbV	95
106) p-isopropyltoluene	18.775	119	4809873	49.294	ppbV	99
107) 1,2-dichlorobenzene	18.900	146	3010653	53.564	ppbV	97
108) n-butylbenzene	19.133	91	4368176	49.651	ppbV	98
109) indan	18.958	117	4076669	53.645	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647515.D
Acq On : 20 Dec 2024 1:46 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD050
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:30:22 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

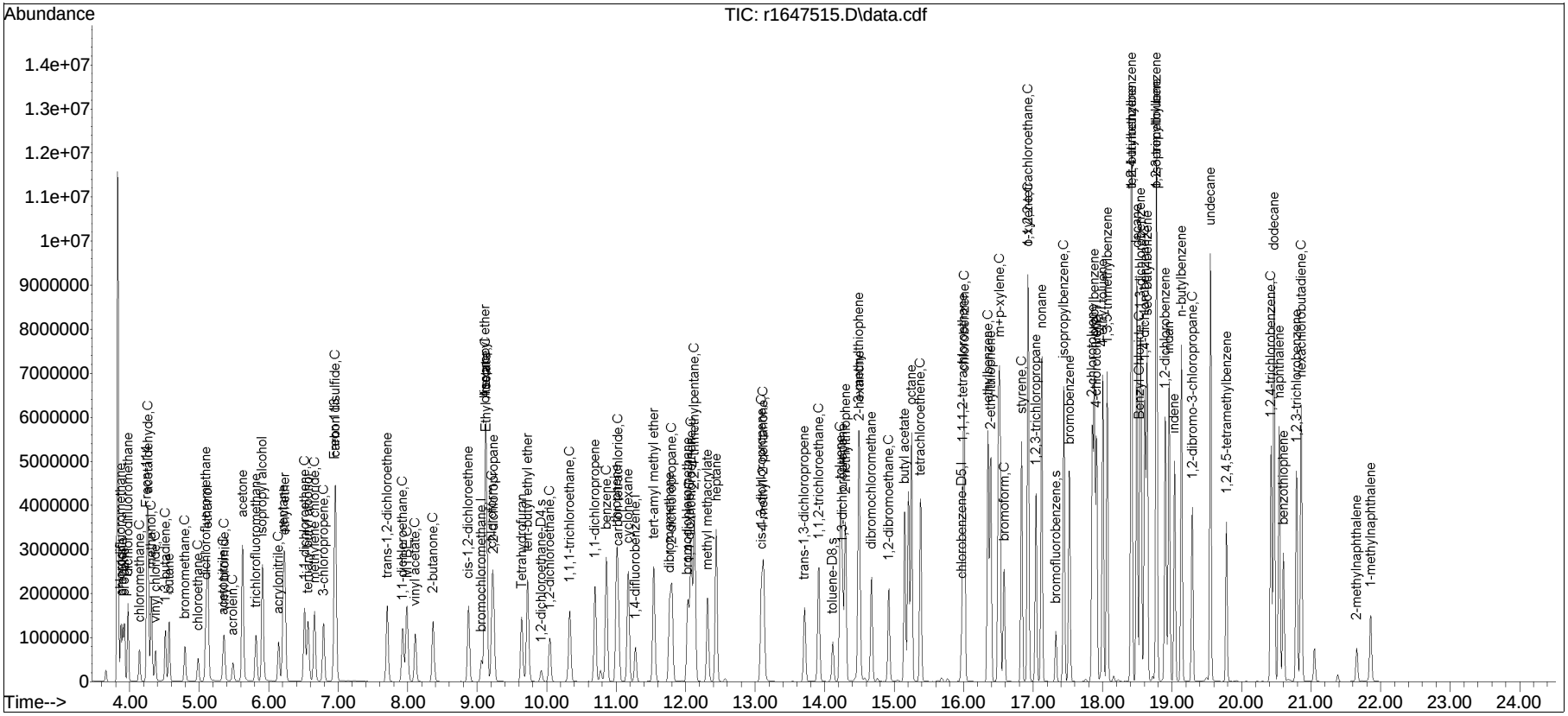
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110) indene	19.033	115	2854108	59.279	ppbV		98
111) 1,2-dibromo-3-chloropr...	19.292	75	1102438	56.735	ppbV		94
112) undecane	19.550	57	3319181	51.524	ppbV	#	92
113) 1,2,4,5-tetramethylben...	19.783	119	2085033	49.468	ppbV		97
114) dodecane	20.467	57	3115284	50.885	ppbV		90
115) 1,2,4-trichlorobenzene	20.425	180	1915517	57.301	ppbV		100
116) naphthalene	20.542	128	5252944	52.658	ppbV		99
117) 1,2,3-trichlorobenzene	20.792	180	1730259	56.071	ppbV		98
118) benzothiophene	20.600	134	2547725	46.401	ppbV		100
119) hexachlorobutadiene	20.858	225	1434410	50.552	ppbV		99
120) 2-methylnaphthalene	21.658	142	500671	59.352	ppbV		99
121) 1-methylnaphthalene	21.858	142	1029030	48.340	ppbV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219T_I\r1647513.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647515.D
Acq On : 20 Dec 2024 1:46 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD050
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

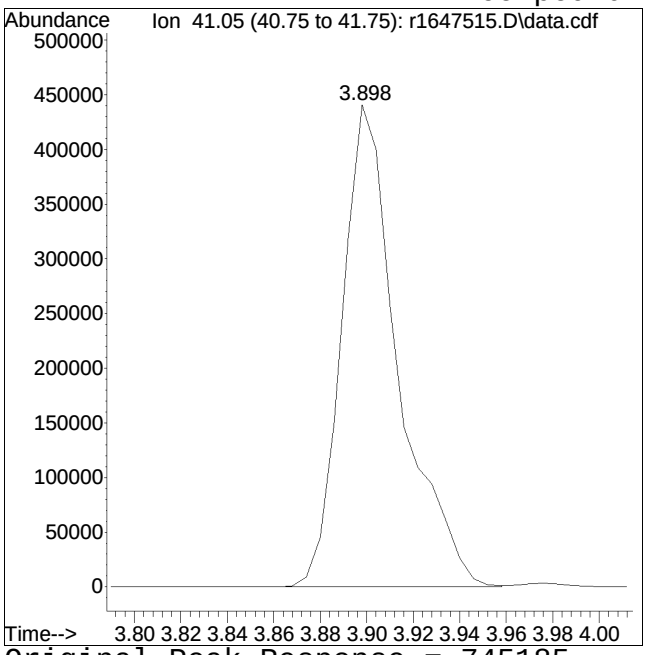
Quant Time: Dec 20 05:30:22 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration



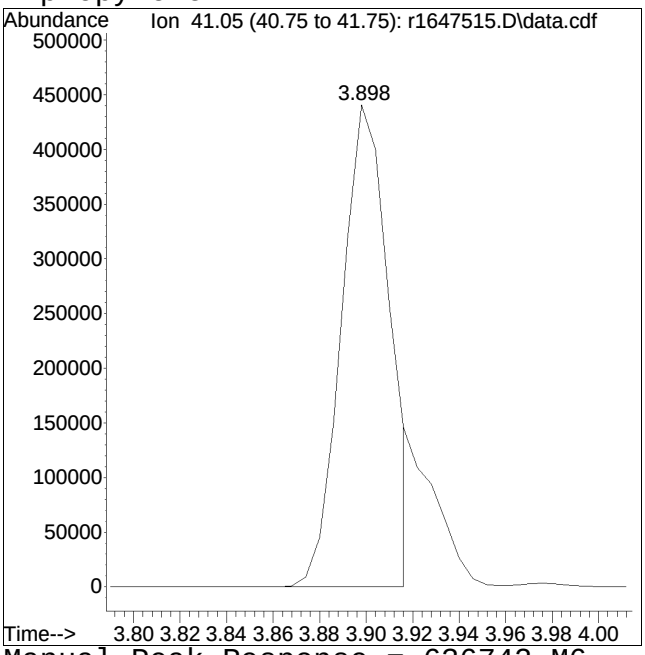
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647515.D Operator : AIRLAB16:JMB
Date Inj'd : 12/20/2024 1:46 AM Instrument :
Sample : ITO15-LLSTD050 Quant Date : 12/20/2024 5:30 am

Compound #3: propylene



Original Peak Response = 745185



Manual Peak Response = 636742 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647516.D
Acq On : 20 Dec 2024 2:28 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD100
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:30:36 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	9.075	49	329473	10.000	ppbV		0.02
Standard Area = 329728			Recovery = 99.92%				
43) 1,4-difluorobenzene	11.287	114	828502	10.000	ppbV		0.00
Standard Area = 875855			Recovery = 94.59%				
67) chlorobenzene-D5	15.975	54	104049	10.000	ppbV	#	0.00
Standard Area = 117599			Recovery = 88.48%				
System Monitoring Compounds							
47) 1,2-dichloroethane-D4	9.933	65	139514	7.675	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 76.75%				
69) toluene-D8	14.125	98	656219	10.279	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.79%				
90) bromofluorobenzene	17.325	95	450290	10.346	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.46%				
Target Compounds							Qvalue
2) chlorodifluoromethane	3.886	51	2236492	86.228	ppbV		96
3) propylene	3.904	41	13005M6	0.920	ppbV		
4) propane	3.922	29	62194	3.764	ppbV		95
5) dichlorodifluoromethane	3.982	85	2547474	87.666	ppbV		98
6) chloromethane	4.156	50	1358095	87.053	ppbV		99
7) Freon-114	4.258	85	2549327	79.193	ppbV		98
8) methanol	4.330	31	2949332	407.146	ppbV		99
9) vinyl chloride	4.384	62	1254303	90.620	ppbV		99
10) 1,3-butadiene	4.528	54	1053276	87.371	ppbV		99
11) butane	4.576	43	1848532	78.977	ppbV		98
12) acetaldehyde	4.276	29	3475817	419.602	ppbV		90
13) bromomethane	4.810	94	1033237	87.734	ppbV		99
14) chloroethane	4.996	64	567062	89.705	ppbV		98
15) ethanol	5.152	31	4581318	407.568	ppbV		91
16) dichlorofluoromethane	5.110	67	2011440	83.023	ppbV		100
17) vinyl bromide	5.373	106	1011442	83.291	ppbV		100
18) acrolein	5.500	56	732648	118.133	ppbV		97
19) acetone	5.640	43	8539188	527.827	ppbV		96
20) acetonitrile	5.367	41	1030199	76.556	ppbV		97
21) trichlorofluoromethane	5.830	101	2133860	112.143	ppbV		100
22) isopropyl alcohol	5.937	45	6597844	206.638	ppbV	#	97
23) acrylonitrile	6.163	53	1460748	108.109	ppbV		97
24) pentane	6.227	43	2970801	75.986	ppbV	#	94

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647516.D
Acq On : 20 Dec 2024 2:28 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD100
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:30:36 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.247	31	2581424	99.953	ppbV	#	91
26) 1,1-dichloroethene	6.528	61	1932287	81.720	ppbV		98
27) tertiary butyl alcohol	6.588	59	2251164	91.386	ppbV		89
28) methylene chloride	6.672	49	2095845	95.806	ppbV		96
29) 3-chloropropene	6.804	41	2067781	81.332	ppbV	#	92
30) carbon disulfide	6.972	76	4658940	86.899	ppbV	#	93
31) Freon 113	6.966	101	2744536	81.404	ppbV		91
32) trans-1,2-dichloroethene	7.717	61	1984091	83.990	ppbV		98
33) 1,1-dichloroethane	7.942	63	2542301	81.927	ppbV		100
34) MTBE	8.000	73	3525462	90.091	ppbV		94
35) vinyl acetate	8.125	43	3363390	98.067	ppbV	#	96
36) 2-butanone	8.375	43	3606830	82.151	ppbV		94
37) cis-1,2-dichloroethene	8.892	61	1917182	84.284	ppbV		98
38) Ethyl Acetate	9.150	61	524505	91.313	ppbV		66
39) chloroform	9.233	83	2658012	89.701	ppbV		98
40) Tetrahydrofuran	9.650	42	2133129	83.754	ppbV		92
41) 2,2-dichloropropane	9.250	77	1879281	95.044	ppbV	#	79
42) 1,2-dichloroethane	10.058	62	1326494	74.212	ppbV	#	90
44) hexane	9.133	57	2405664	95.758	ppbV	#	52
45) diisopropyl ether	9.125	87	1358996	98.001	ppbV	#	62
46) tert-butyl ethyl ether	9.733	59	4026647	93.676	ppbV		94
48) 1,1,1-trichloroethane	10.342	97	2057546	83.443	ppbV	#	96
49) 1,1-dichloropropene	10.707	75	2440583	97.729	ppbV	#	89
50) benzene	10.867	78	5738119	101.923	ppbV		98
51) thiophene	11.020	84	3904245	81.103	ppbV		92
52) carbon tetrachloride	11.040	117	2038760	91.530	ppbV		98
53) cyclohexane	11.180	56	2731172	102.139	ppbV		90
54) tert-amyl methyl ether	11.547	73	4172022	101.166	ppbV		94
55) dibromomethane	11.780	93	1579571	86.572	ppbV		97
56) 1,2-dichloropropane	11.813	63	1824328	88.467	ppbV		95
57) bromodichloromethane	12.040	83	2711432	96.351	ppbV		99
58) 1,4-dioxane	12.067	88	1183008	101.164	ppbV		100
59) trichloroethene	12.093	130	2257315	91.250	ppbV		99
60) 2,2,4-trimethylpentane	12.133	57	7724898	92.156	ppbV		92
61) methyl methacrylate	12.327	41	2017433	88.378	ppbV		90
62) heptane	12.447	43	3453918	84.385	ppbV	#	88
63) cis-1,3-dichloropropene	13.100	75	2909071	105.187	ppbV	#	90
64) 4-methyl-2-pentanone	13.133	43	4274096	85.421	ppbV		91
65) trans-1,3-dichloropropene	13.717	75	2230629	110.578	ppbV	#	90
66) 1,1,2-trichloroethane	13.925	97	2081591	89.871	ppbV		90

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647516.D
Acq On : 20 Dec 2024 2:28 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD100
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:30:36 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	toluene	14.233	91	5866799	94.945	ppbV		99
70)	2-methylthiophene	14.308	97	5304477	74.545	ppbV		99
71)	1,3-dichloropropane	14.267	76	2989609	103.913	ppbV		86
72)	2-hexanone	14.508	43	3753116	90.673	ppbV	#	87
73)	3-methylthiophene	14.492	97	5400223	70.750	ppbV		99
74)	dibromochloromethane	14.683	129	2739947	97.790	ppbV		97
75)	1,2-dibromoethane	14.933	107	3102929	99.810	ppbV		99
76)	butyl acetate	15.158	73	792749	117.907	ppbV		73
77)	octane	15.258	85	2217986	104.980	ppbV	#	77
78)	tetrachloroethene	15.383	166	2540898	96.893	ppbV		97
79)	1,1,1,2-tetrachloroethane	16.000	131	1991511	92.141	ppbV		98
80)	chlorobenzene	16.017	112	4798006	95.485	ppbV		98
81)	ethylbenzene	16.350	91	7278273	90.753	ppbV		95
82)	2-ethylthiophene	16.392	97	5847520	69.123	ppbV		92
83)	m+p-xylene	16.517	91	10981358	174.557	ppbV		100
84)	bromoform	16.583	173	2395590	104.604	ppbV		99
85)	styrene	16.833	104	5245142	99.668	ppbV		97
86)	1,1,2,2-tetrachloroethane	16.925	83	4315697	93.021	ppbV		98
87)	o-xylene	16.925	91	5353242	83.327	ppbV		95
88)	1,2,3-trichloropropane	17.033	75	3731414	103.861	ppbV	#	94
89)	nonane	17.117	43	5193789	83.559	ppbV	#	83
91)	isopropylbenzene	17.442	105	7764496	90.361	ppbV		92
92)	bromobenzene	17.517	77	4688860	103.093	ppbV		99
93)	2-chlorotoluene	17.850	126	2487499	95.406	ppbV		91
94)	n-propylbenzene	17.875	120	2748278	97.696	ppbV		74
95)	4-chlorotoluene	17.908	126	2499618	99.348	ppbV		86
96)	4-ethyl toluene	18.000	105	8181457	92.684	ppbV		95
97)	1,3,5-trimethylbenzene	18.058	105	6856722	92.204	ppbV		95
98)	tert-butylbenzene	18.408	119	6373485	80.913	ppbV		96
99)	1,2,4-trimethylbenzene	18.417	105	6013336	79.069	ppbV		97
100)	decane	18.492	57	5529497	94.844	ppbV		81
101)	Benzyl Chloride	18.533	91	4553868	129.119	ppbV		95
102)	1,3-dichlorobenzene	18.550	146	5252433	93.319	ppbV		98
103)	1,4-dichlorobenzene	18.608	146	5289451	93.345	ppbV		95
104)	sec-butylbenzene	18.642	105	9645344	86.144	ppbV		93
105)	1,2,3-trimethylbenzene	18.775	105	5705120	81.895	ppbV		98
106)	p-isopropyltoluene	18.775	119	7559144	79.957	ppbV		95
107)	1,2-dichlorobenzene	18.900	146	5286424	97.073	ppbV		96
108)	n-butylbenzene	19.133	91	7697501	90.304	ppbV		97
109)	indan	18.958	117	7157053	97.203	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647516.D
Acq On : 20 Dec 2024 2:28 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD100
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:30:36 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default - All compounds listed

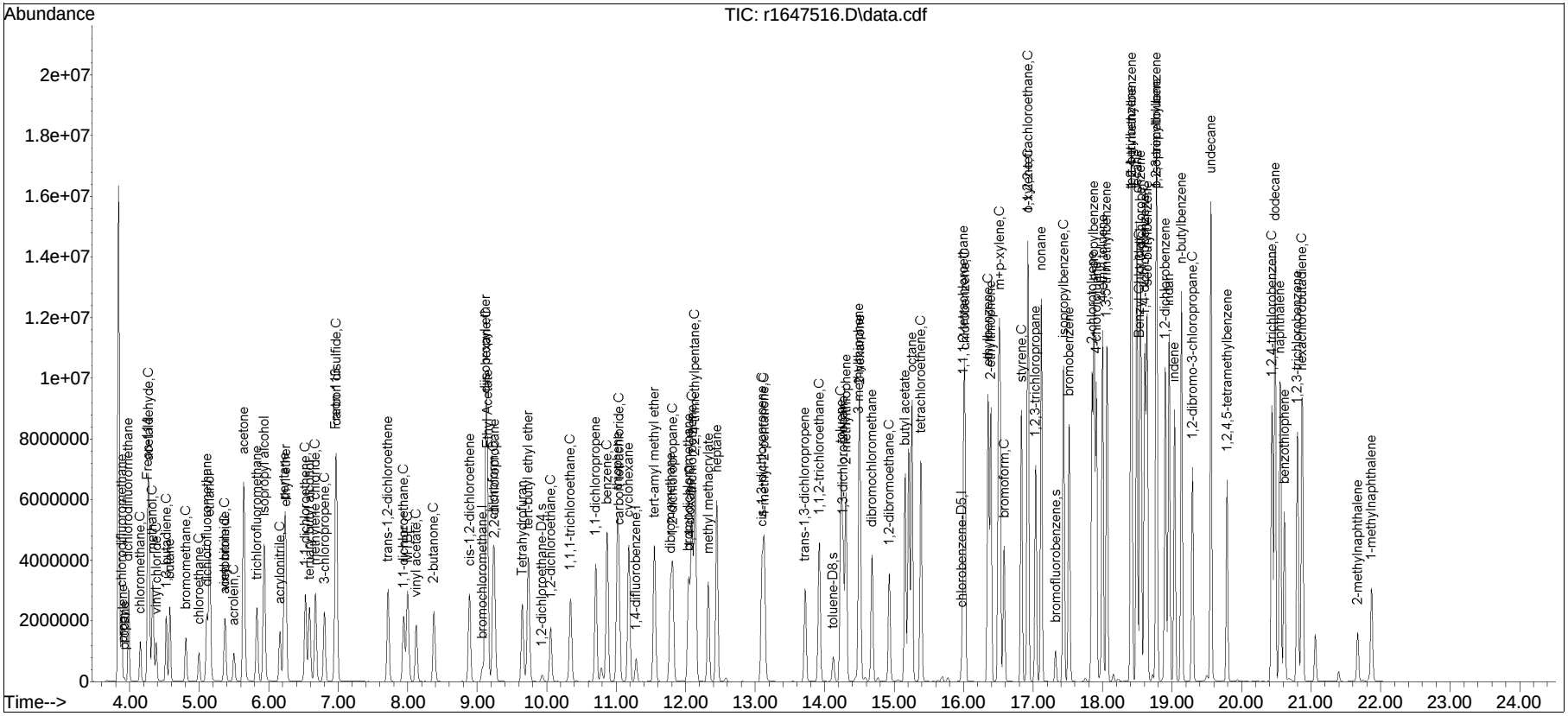
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	19.033	115	5280139	113.188	ppbV	97
111) 1,2-dibromo-3-chloropr...	19.292	75	2017226	107.147	ppbV	95
112) undecane	19.558	57	5975938	95.743	ppbV #	84
113) 1,2,4,5-tetramethylben...	19.792	119	3962016	97.018	ppbV	97
114) dodecane	20.483	57	5636362	95.021	ppbV	81
115) 1,2,4-trichlorobenzene	20.433	180	3516032	108.557	ppbV	96
116) naphthalene	20.550	128	9501556	98.306	ppbV	99
117) 1,2,3-trichlorobenzene	20.800	180	3211058	107.399	ppbV	99
118) benzothiophene	20.617	134	4972857	93.477	ppbV	99
119) hexachlorobutadiene	20.867	225	2401584	87.354	ppbV	99
120) 2-methylnaphthalene	21.667	142	1087843	133.098	ppbV	99
121) 1-methylnaphthalene	21.867	142	2087417	101.208	ppbV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219T_I\r1647513.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647516.D
Acq On : 20 Dec 2024 2:28 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD100
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

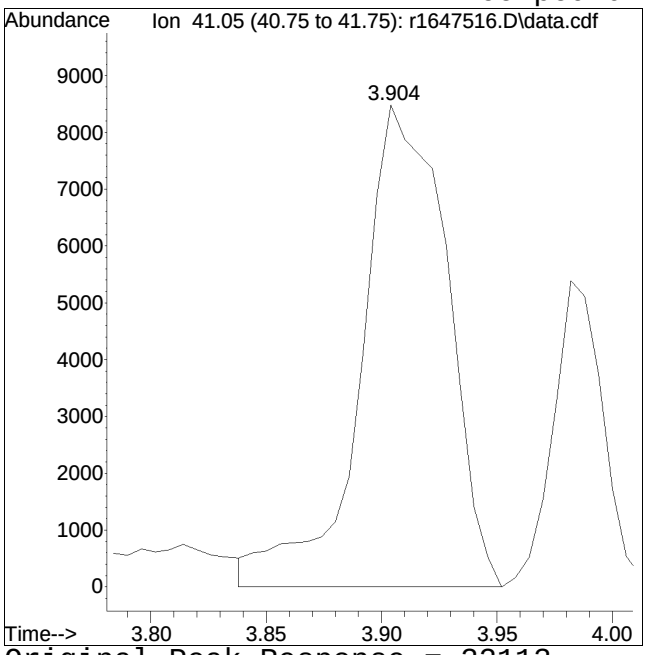
Quant Time: Dec 20 05:30:36 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:27:14 2024
Response via : Initial Calibration



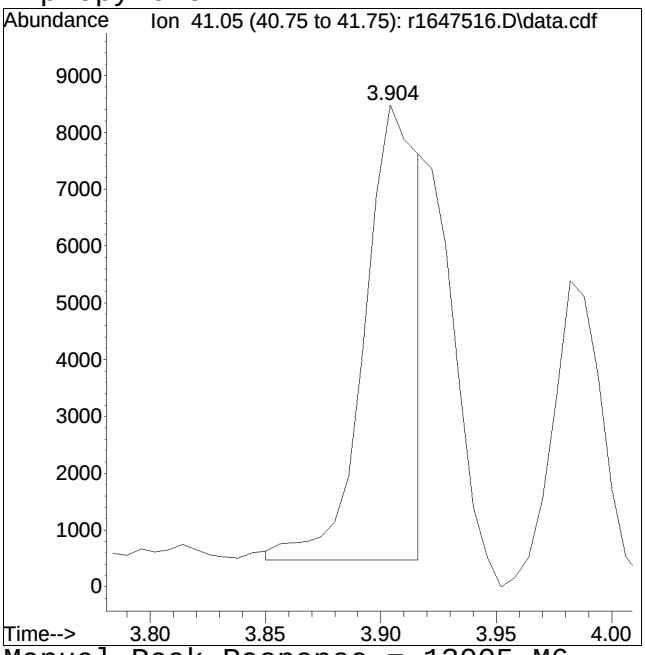
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647516.D Operator : AIRLAB16:JMB
Date Inj'd : 12/20/2024 2:28 AM Instrument :
Sample : ITO15-LLSTD100 Quant Date : 12/20/2024 5:30 am

Compound #3: propylene



Original Peak Response = 22113



Manual Peak Response = 13005 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647519.D
Acq On : 20 Dec 2024 9:08 AM
Operator : AIRLAB16:JMB
Sample : CTO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 12:19:16 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	93	0.00
2		chlorodifluoromethane	0.781	0.781	0.0	93	0.00
3		propylene	0.434	0.441	-1.6	96	0.00
4		propane	0.542	0.541	0.2	101	0.00
5		dichlorodifluoromethane	0.900	0.898	0.2	95	0.00
6	C	chloromethane	0.486	0.420	13.6	83	0.00
7		Freon-114	0.965	1.039	-7.7	99	0.00
8	C	methanol	0.212	0.199	6.1	85	0.00
9	C	vinyl chloride	0.419	0.420	-0.2	93	0.00
10	C	1,3-butadiene	0.364	0.390	-7.1	99	0.00
11		butane	0.709	0.613	13.5	81	0.00
13	C	bromomethane	0.358	0.374	-4.5	98	0.00
14	C	chloroethane	0.198	0.197	0.5	96	0.00
15		ethanol	0.335	0.329	1.8	90	0.00
16		dichlorofluoromethane	0.721	0.657	8.9	83	0.00
17	C	vinyl bromide	0.361	0.357	1.1	90	0.00
18	C	acrolein	0.212	0.190	10.4	94	0.00
19		acetone	0.563	0.487	13.5	92	0.00
20	C	acetonitrile	0.419	0.378	9.8	86	0.00
21		trichlorofluoromethane	0.703	0.574	18.3	93	0.00
22		isopropyl alcohol	0.980	0.875	10.7	84	0.00
23	C	acrylonitrile	0.423	0.474	-12.1	108	0.00
24		pentane	1.172	1.025	12.5	81	0.00
25		ethyl ether	0.793	0.845	-6.6	101	0.00
26	C	1,1-dichloroethene	0.701	0.690	1.6	90	0.00
27		tertiary butyl alcohol	0.730	0.748	-2.5	93	0.00
28	C	methylene chloride	0.687	0.739	-7.6	104	0.00
29	C	3-chloropropene	0.751	0.764	-1.7	92	0.00
30	C	carbon disulfide	1.745	1.760	-0.9	101	0.00
31		Freon 113	1.013	1.025	-1.2	93	0.00
32		trans-1,2-dichloroethene	0.698	0.706	-1.1	92	0.00
33	C	1,1-dichloroethane	0.922	0.876	5.0	87	0.00
34	C	MTBE	1.165	1.257	-7.9	99	0.00
35	C	vinyl acetate	1.114	1.058	5.0	95	0.00
36	C	2-butanone	1.318	1.263	4.2	88	0.00
37		cis-1,2-dichloroethene	0.677	0.674	0.4	91	0.00
38		Ethyl Acetate	0.172	0.192	-11.6	103	0.00
39	C	chloroform	0.911	0.954	-4.7	99	0.00
40		Tetrahydrofuran	0.776	0.733	5.5	89	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647519.D
Acq On : 20 Dec 2024 9:08 AM
Operator : AIRLAB16:JMB
Sample : CTO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 12:19:16 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	0.581	0.593	-2.1	92	0.00
42	C	1,2-dichloroethane	0.537	0.457	14.9	79	0.00
43	I	1,4-difluorobenzene	1.000	1.000	0.0	95	0.00
44	C	hexane	0.308	0.338	-9.7	105	0.00
45		diisopropyl ether	0.167	0.172	-3.0	97	0.00
46		tert-butyl ethyl ether	0.508	0.493	3.0	90	0.00
47	s	1,2-dichloroethane-D4	0.214	0.176	17.8	76	0.00
48	C	1,1,1-trichloroethane	0.290	0.264	9.0	84	0.00
49		1,1-dichloropropene	0.306	0.321	-4.9	101	0.01
50	C	benzene	0.719	0.734	-2.1	102	0.00
52	C	carbon tetrachloride	0.265	0.264	0.4	93	0.00
53		cyclohexane	0.328	0.377	-14.9	110	0.00
54		tert-amyl methyl ether	0.499	0.507	-1.6	96	0.00
55		dibromomethane	0.217	0.208	4.1	89	0.00
56	C	1,2-dichloropropane	0.247	0.233	5.7	89	0.01
57		bromodichloromethane	0.340	0.375	-10.3	104	0.00
58	C	1,4-dioxane	0.145	0.156	-7.6	104	0.00
59	C	trichloroethene	0.298	0.300	-0.7	95	0.00
60	C	2,2,4-trimethylpentane	1.008	1.139	-13.0	106	0.00
61		methyl methacrylate	0.271	0.275	-1.5	94	0.01
62		heptane	0.490	0.491	-0.2	94	0.00
63	C	cis-1,3-dichloropropene	0.333	0.372	-11.7	105	0.00
64	C	4-methyl-2-pentanone	0.593	0.596	-0.5	93	0.00
65		trans-1,3-dichloropropene	0.240	0.279	-16.3	108	0.00
66	C	1,1,2-trichloroethane	0.280	0.274	2.1	93	0.00
67	I	chlorobenzene-D5	1.000	1.000	0.0	89	0.00
68	C	toluene	6.175	6.246	-1.1	94	0.00
69	s	toluene-D8	6.368	6.290	1.2	91	0.00
71		1,3-dichloropropane	2.845	3.070	-7.9	99	0.00
72		2-hexanone	3.933	4.278	-8.8	96	0.00
74		dibromochloromethane	2.680	3.137	-17.1	104	0.00
75	C	1,2-dibromoethane	3.026	3.445	-13.8	103	0.00
76		butyl acetate	0.691	0.774	-12.0	107	0.00
77		octane	2.084	2.213	-6.2	97	0.00
78	C	tetrachloroethene	2.587	2.770	-7.1	98	0.00
79		1,1,1,2-tetrachloroethane	2.064	2.189	-6.1	94	0.00
80	C	chlorobenzene	4.923	5.624	-14.2	104	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647519.D
Acq On : 20 Dec 2024 9:08 AM
Operator : AIRLAB16:JMB
Sample : CTO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 12:19:16 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	C	ethylbenzene	7.729	8.060	-4.3	93	0.00
83	C	m+p-xylene	6.117	6.445	-5.4	95	0.00
84	C	bromoform	2.228	2.664	-19.6	108	0.00
85	C	styrene	5.059	5.930	-17.2	105	0.00
86	C	1,1,2,2-tetrachloroethane	4.547	5.302	-16.6	106	0.00
87	C	o-xylene	6.233	6.718	-7.8	97	0.00
88		1,2,3-trichloropropane	3.505	4.004	-14.2	103	0.00
89		nonane	5.874	6.096	-3.8	91	0.02
90	s	bromofluorobenzene	4.361	4.419	-1.3	94	0.00
91	C	isopropylbenzene	8.214	9.750	-18.7	105	0.00
92		bromobenzene	4.474	5.184	-15.9	106	0.02
93		2-chlorotoluene	2.479	2.625	-5.9	93	0.00
94		n-propylbenzene	2.681	2.986	-11.4	98	0.02
95		4-chlorotoluene	2.409	2.599	-7.9	96	0.00
96		4-ethyl toluene	8.316	10.307	-23.9	108	0.00
97		1,3,5-trimethylbenzene	7.189	8.763	-21.9	109	0.00
98		tert-butylbenzene	7.460	8.531	-14.4	100	0.02
99		1,2,4-trimethylbenzene	7.077	8.575	-21.2	105	0.00
100		decane	5.639	5.958	-5.7	95	0.00
101	C	Benzyl Chloride	3.063	4.052	-32.3#	107	0.02
102		1,3-dichlorobenzene	5.191	6.332	-22.0	104	0.00
103	C	1,4-dichlorobenzene	5.165	6.308	-22.1	103	0.00
104		sec-butylbenzene	10.468	12.363	-18.1	102	0.00
106		p-isopropyltoluene	8.878	9.679	-9.0	95	0.00
107		1,2-dichlorobenzene	5.048	6.094	-20.7	104	0.00
108		n-butylbenzene	7.681	8.975	-16.8	98	0.00
111	C	1,2-dibromo-3-chloropropane	1.664	2.031	-22.1	100	0.00
112		undecane	5.772	6.370	-10.4	95	0.00
114		dodecane	4.958	5.751	-16.0	90	0.00
115	C	1,2,4-trichlorobenzene	2.497	3.093	-23.9	89	0.00
116		naphthalene	7.670	9.184	-19.7	88	0.00
117		1,2,3-trichlorobenzene	2.396	2.786	-16.3	86	0.00
119	C	hexachlorobutadiene	2.389	2.635	-10.3	89	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647519.D
Acq On : 20 Dec 2024 9:08 AM
Operator : AIRLAB16:JMB
Sample : CTO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 12:19:16 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.067	49	307749	10.000	ppbV	0.00
Standard Area = 329728			Recovery = 93.33%			
43) 1,4-difluorobenzene	11.287	114	828047	10.000	ppbV	0.00
Standard Area = 875855			Recovery = 94.54%			
67) chlorobenzene-D5	15.975	54	104876	10.000	ppbV	0.00
Standard Area = 117599			Recovery = 89.18%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.933	65	146148	8.232	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 82.32%			
69) toluene-D8	14.125	98	659694	9.878	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.78%			
90) bromofluorobenzene	17.325	95	463466	10.133	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.33%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.874	51	240257	9.995	ppbV	97
3) propylene	3.904	41	135779M6	10.169	ppbV	
4) propane	3.928	29	166623	9.992	ppbV	92
5) dichlorodifluoromethane	3.982	85	276229	9.978	ppbV	99
6) chloromethane	4.144	50	129289	8.646	ppbV	97
7) Freon-114	4.252	85	319803	10.765	ppbV	99
8) methanol	4.318	31	306739	46.922	ppbV	99
9) vinyl chloride	4.372	62	129240	10.017	ppbV	98
10) 1,3-butadiene	4.516	54	120040	10.721	ppbV	96
11) butane	4.576	43	188758	8.649	ppbV	98
13) bromomethane	4.798	94	115114	10.438	ppbV	98
14) chloroethane	4.990	64	60754	9.971	ppbV	99
15) ethanol	5.122	31	505971	49.066	ppbV	88
16) dichlorofluoromethane	5.098	67	202284	9.117	ppbV	99
17) vinyl bromide	5.367	106	109746	9.865	ppbV	95
18) acrolein	5.493	56	58465	8.959	ppbV	96
19) acetone	5.630	43	748750	43.223	ppbV	93
20) acetonitrile	5.350	41	116217	9.020	ppbV	99
21) trichlorofluoromethane	5.823	101	176626	8.159	ppbV	99
22) isopropyl alcohol	5.910	45	672913	22.314	ppbV	99
23) acrylonitrile	6.150	53	145833	11.207	ppbV	95
24) pentane	6.220	43	315472	8.745	ppbV #	94
25) ethyl ether	6.243	31	260094	10.664	ppbV	90

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647519.D
Acq On : 20 Dec 2024 9:08 AM
Operator : AIRLAB16:JMB
Sample : CTO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 12:19:16 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 1,1-dichloroethene	6.522	61	212300	9.846	ppbV		98
27) tertiary butyl alcohol	6.570	59	230181	10.240	ppbV		92
28) methylene chloride	6.666	49	227506	10.763	ppbV		99
29) 3-chloropropene	6.798	41	235069	10.167	ppbV	#	93
30) carbon disulfide	6.966	76	541706	10.088	ppbV	#	93
31) Freon 113	6.960	101	315401	10.116	ppbV		90
32) trans-1,2-dichloroethene	7.717	61	217208	10.117	ppbV		99
33) 1,1-dichloroethane	7.933	63	269548	9.503	ppbV		99
34) MTBE	8.000	73	386716	10.786	ppbV		95
35) vinyl acetate	8.117	43	325678	9.498	ppbV	#	96
36) 2-butanone	8.375	43	388711	9.584	ppbV		95
37) cis-1,2-dichloroethene	8.883	61	207380	9.956	ppbV		99
38) Ethyl Acetate	9.142	61	59070	11.179	ppbV		87
39) chloroform	9.225	83	293485	10.471	ppbV		97
40) Tetrahydrofuran	9.650	42	225680	9.453	ppbV		92
41) 2,2-dichloropropane	9.242	77	182534	10.201	ppbV		87
42) 1,2-dichloroethane	10.050	62	140534	8.500	ppbV	#	91
44) hexane	9.133	57	279751	10.971	ppbV		81
45) diisopropyl ether	9.125	87	142758	10.317	ppbV		84
46) tert-butyl ethyl ether	9.733	59	408103	9.707	ppbV		96
48) 1,1,1-trichloroethane	10.342	97	218608	9.112	ppbV		97
49) 1,1-dichloropropene	10.707	75	266061	10.495	ppbV	#	91
50) benzene	10.867	78	607439	10.202	ppbV		99
52) carbon tetrachloride	11.033	117	218963	9.990	ppbV		99
53) cyclohexane	11.180	56	312290	11.503	ppbV		92
54) tert-amyl methyl ether	11.547	73	419740	10.156	ppbV		95
55) dibromomethane	11.773	93	172198	9.572	ppbV		97
56) 1,2-dichloropropane	11.813	63	192947	9.425	ppbV		97
57) bromodichloromethane	12.040	83	310850	11.038	ppbV		99
58) 1,4-dioxane	12.067	88	128960	10.708	ppbV		100
59) trichloroethene	12.087	130	248737	10.067	ppbV		98
60) 2,2,4-trimethylpentane	12.133	57	942886	11.297	ppbV		91
61) methyl methacrylate	12.327	41	227717	10.156	ppbV		91
62) heptane	12.447	43	406980	10.033	ppbV		92
63) cis-1,3-dichloropropene	13.100	75	307948	11.182	ppbV	#	91
64) 4-methyl-2-pentanone	13.133	43	493345	10.045	ppbV		95
65) trans-1,3-dichloropropene	13.717	75	231216	11.623	ppbV		91
66) 1,1,2-trichloroethane	13.917	97	227227	9.789	ppbV		92
68) toluene	14.233	91	655029	10.114	ppbV		100
71) 1,3-dichloropropane	14.258	76	321976	10.792	ppbV		86

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647519.D
Acq On : 20 Dec 2024 9:08 AM
Operator : AIRLAB16:JMB
Sample : CTO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 12:19:16 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 2-hexanone	14.508	43	448665	10.876	ppbV	97
74) dibromochloromethane	14.683	129	328965	11.706	ppbV	97
75) 1,2-dibromoethane	14.925	107	361296	11.385	ppbV	98
76) butyl acetate	15.158	73	81133	11.197	ppbV	82
77) octane	15.258	85	232083	10.621	ppbV	89
78) tetrachloroethene	15.383	166	290478	10.706	ppbV	96
79) 1,1,1,2-tetrachloroethane	16.000	131	229537	10.605	ppbV	97
80) chlorobenzene	16.017	112	589854	11.424	ppbV	99
81) ethylbenzene	16.350	91	845293	10.428	ppbV	95
83) m+p-xylene	16.517	91	1351862	21.074	ppbV	95
84) bromoform	16.583	173	279389	11.959	ppbV	99
85) styrene	16.833	104	621897	11.722	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.925	83	556070	11.660	ppbV	98
87) o-xylene	16.925	91	704574	10.778	ppbV	95
88) 1,2,3-trichloropropane	17.042	75	419951	11.424	ppbV	96
89) nonane	17.125	43	639278	10.376	ppbV	96
91) isopropylbenzene	17.442	105	1022589	11.870	ppbV	100
92) bromobenzene	17.525	77	543664	11.586	ppbV	94
93) 2-chlorotoluene	17.850	126	275248	10.586	ppbV	93
94) n-propylbenzene	17.883	120	313119	11.137	ppbV	95
95) 4-chlorotoluene	17.908	126	272575	10.789	ppbV	97
96) 4-ethyl toluene	18.000	105	1080962	12.395	ppbV	97
97) 1,3,5-trimethylbenzene	18.067	105	918994	12.188	ppbV	96
98) tert-butylbenzene	18.417	119	894712	11.436	ppbV	98
99) 1,2,4-trimethylbenzene	18.417	105	899277	12.116	ppbV	94
100) decane	18.492	57	624879	10.567	ppbV	96
101) Benzyl Chloride	18.542	91	424974	13.229	ppbV	100
102) 1,3-dichlorobenzene	18.550	146	664056	12.198	ppbV	99
103) 1,4-dichlorobenzene	18.608	146	661513	12.212	ppbV	98
104) sec-butylbenzene	18.642	105	1296569	11.811	ppbV	98
106) p-isopropyltoluene	18.775	119	1015147	10.903	ppbV	100
107) 1,2-dichlorobenzene	18.900	146	639083	12.073	ppbV	99
108) n-butylbenzene	19.133	91	941260	11.685	ppbV	99
111) 1,2-dibromo-3-chloropr...	19.292	75	212996	12.209	ppbV	96
112) undecane	19.558	57	668055	11.035	ppbV	96
114) dodecane	20.475	57	603190	11.601	ppbV	95
115) 1,2,4-trichlorobenzene	20.433	180	324386	12.389	ppbV	99
116) naphthalene	20.550	128	963218	11.975	ppbV	100
117) 1,2,3-trichlorobenzene	20.800	180	292162	11.627	ppbV	99
119) hexachlorobutadiene	20.867	225	276377	11.029	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647519.D
Acq On : 20 Dec 2024 9:08 AM
Operator : AIRLAB16:JMB
Sample : CTO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 12:19:16 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219T_I\r1647513.D
Sub List : Default-ICV-AP2 - All compounds listed

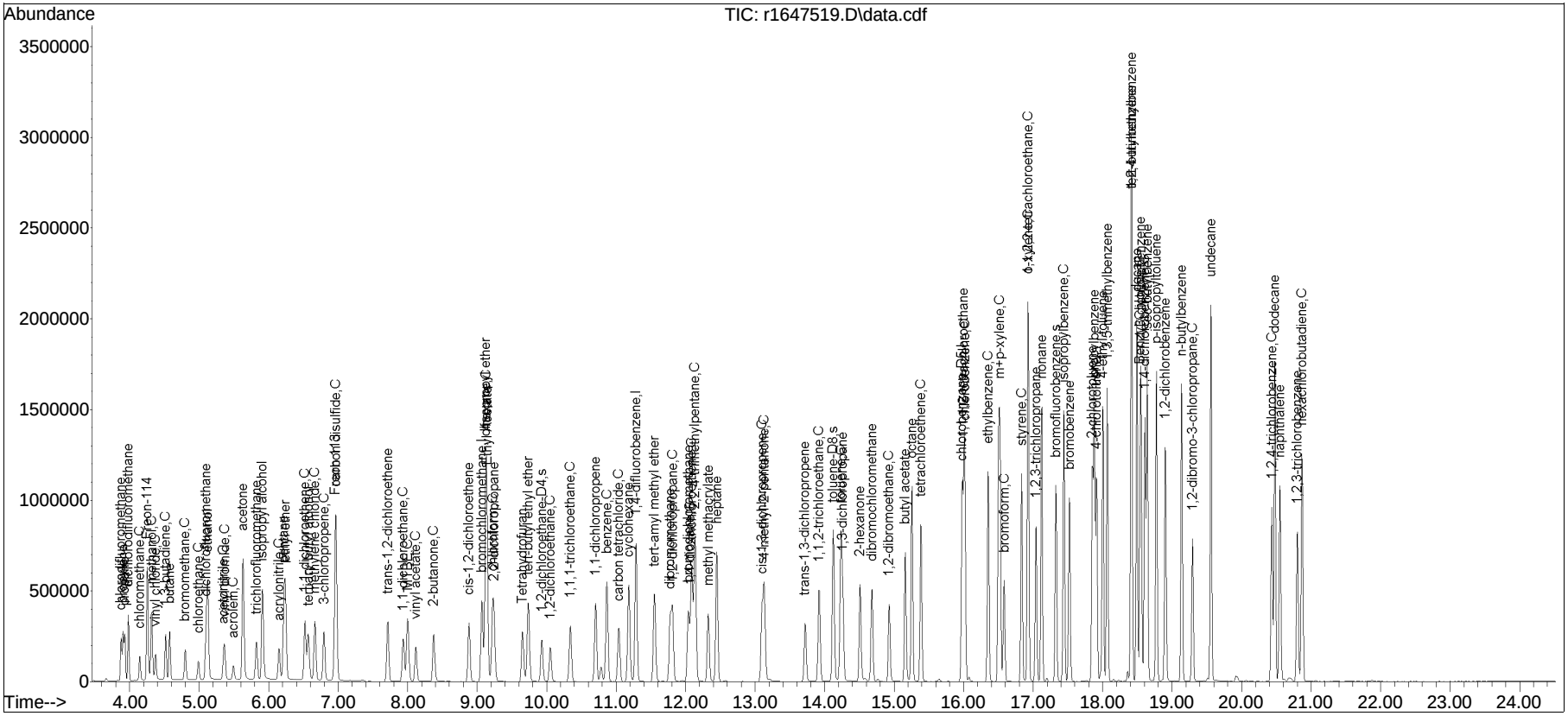
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-ICV-AP2 - All compounds listedI\r1647513.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219T_I\
Data File : r1647519.D
Acq On : 20 Dec 2024 9:08 AM
Operator : AIRLAB16:JMB
Sample : CTO15-LLSTD010
Misc : WG2011935
ALS Vial : 0 Sample Multiplier: 1

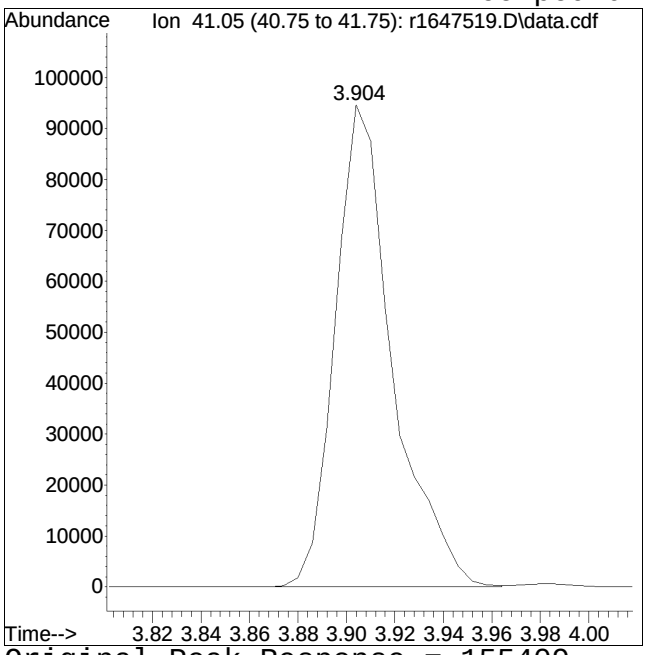
Quant Time: Dec 20 12:19:16 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219T_I\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration



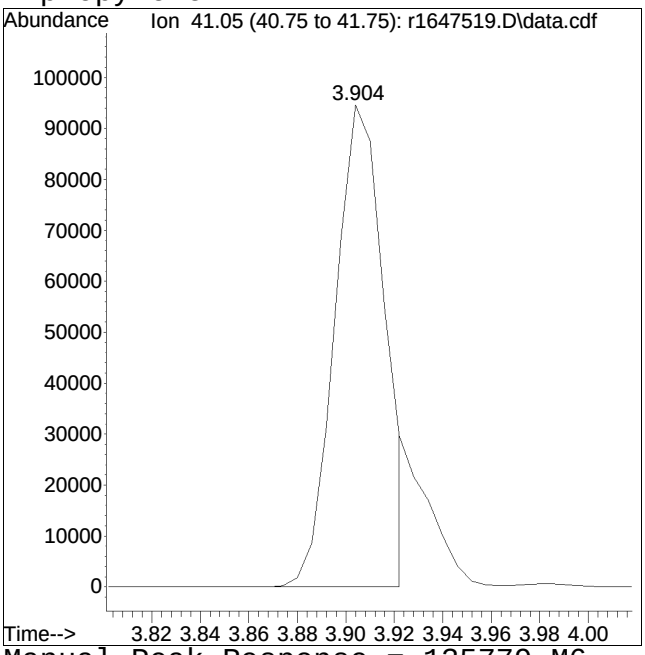
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647519.D Operator : AIRLAB16:JMB
Date Inj'd : 12/20/2024 9:08 AM Instrument :
Sample : CTO15-LLSTD010 Quant Date : 12/20/2024 12:19 pm

Compound #3: propylene



Original Peak Response = 155409



Manual Peak Response = 135779 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Continuing Calibration

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525		
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10		
Instrument ID	: AIRLAB16	**Calibration Date**	: 01/18/25 10:58		
Lab File ID	: R1647982	**Init. Calib. Date(s)**	: 12/19/24	12/20/24	
Sample No	: WG2021062-2	**Init. Calib. Times**	: 21:40	02:28	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	78	.03
chlorodifluoromethane	0.781	0.902	-	-15.5	30	90	0
propylene	0.434	0.583	-	-34.3*	30	106	0
propane	0.542	0.615	-	-13.5	30	96	0
dichlorodifluoromethane	0.9	1.155	-	-28.3	30	103	0
chloromethane	0.486	0.516	-	-6.2	30	85	0
Freon-114	0.965	1.292	-	-33.9*	30	104	0
methanol	0.212	0.259	-	-22.2	30	92	0
vinyl chloride	0.419	0.491	-	-17.2	30	92	0
1,3-butadiene	0.364	0.452	-	-24.2	30	97	0
butane	0.709	0.85	-	-19.9	30	94	0
bromomethane	0.358	0.432	-	-20.7	30	95	0
chloroethane	0.198	0.229	-	-15.7	30	94	0
ethanol	0.335	0.444	-	-32.5*	30	102	0
dichlorofluoromethane	0.721	0.973	-	-35*	30	104	0
vinyl bromide	0.361	0.433	-	-19.9	30	92	0
acrolein	0.212	0.243	-	-14.6	30	101	0
acetone	0.563	0.753	-	-33.7*	30	120	0
acetonitrile	0.419	0.472	-	-12.6	30	91	0
trichlorofluoromethane	0.703	0.848	-	-20.6	30	115	0
isopropyl alcohol	0.98	0.856	-	12.7	30	69	0
acrylonitrile	0.423	0.454	-	-7.3	30	87	0
pentane	1.172	1.02	-	13	30	67	.01
ethyl ether	0.793	0.812	-	-2.4	30	81	.01
1,1-dichloroethene	0.701	0.842	-	-20.1	30	92	.01
tertiary butyl alcohol	0.73	0.912	-	-24.9	30	96	.01
methylene chloride	0.687	0.764	-	-11.2	30	90	.01
3-chloropropene	0.751	0.911	-	-21.3	30	92	.01
carbon disulfide	1.745	1.864	-	-6.8	30	90	.01
Freon 113	1.013	1.219	-	-20.3	30	93	.01
trans-1,2-dichloroethene	0.698	0.855	-	-22.5	30	93	.02
1,1-dichloroethane	0.922	1.059	-	-14.9	30	88	.02
MTBE	1.165	1.386	-	-19	30	91	.02
vinyl acetate	1.114	1.115	-	-0.1	30	84	.03
2-butanone	1.318	1.546	-	-17.3	30	91	.03
cis-1,2-dichloroethene	0.677	0.801	-	-18.3	30	91	.02
Ethyl Acetate	0.172	0.224	-	-30.2*	30	101	.02
chloroform	0.911	1.084	-	-19	30	94	.02
Tetrahydrofuran	0.776	0.887	-	-14.3	30	90	.02
2,2-dichloropropane	0.581	0.755	-	-29.9	30	99	.03
1,2-dichloroethane	0.537	0.654	-	-21.8	30	94	.03
1,4-difluorobenzene	1	1	-	0	30	80	.02
hexane	0.308	0.368	-	-19.5	30	98	.02

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525		
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10		
Instrument ID	: AIRLAB16	**Calibration Date**	: 01/18/25 10:58		
Lab File ID	: R1647982	**Init. Calib. Date(s)**	: 12/19/24	12/20/24	
Sample No	: WG2021062-2	**Init. Calib. Times**	: 21:40	02:28	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
diisopropyl ether	0.167	0.19	-	-13.8	30	91	.03
tert-butyl ethyl ether	0.508	0.564	-	-11	30	87	.03
1,1,1-trichloroethane	0.29	0.339	-	-16.9	30	92	.02
1,1-dichloropropene	0.306	0.349	-	-14.1	30	93	.03
benzene	0.719	0.733	-	-1.9	30	87	.02
carbon tetrachloride	0.265	0.343	-	-29.4	30	102	.02
cyclohexane	0.328	0.384	-	-17.1	30	96	.03
tert-amyl methyl ether	0.499	0.539	-	-8	30	87	.03
dibromomethane	0.217	0.265	-	-22.1	30	97	.03
1,2-dichloropropane	0.247	0.269	-	-8.9	30	87	.03
bromodichloromethane	0.34	0.444	-	-30.6*	30	105	.02
1,4-dioxane	0.145	0.178	-	-22.8	30	102	.03
trichloroethene	0.298	0.342	-	-14.8	30	92	.02
2,2,4-trimethylpentane	1.008	1.242	-	-23.2	30	99	.02
methyl methacrylate	0.271	0.366	-	-35.1*	30	107	.03
heptane	0.49	0.579	-	-18.2	30	94	.02
cis-1,3-dichloropropene	0.333	0.38	-	-14.1	30	92	.03
4-methyl-2-pentanone	0.593	0.707	-	-19.2	30	94	.03
trans-1,3-dichloropropene	0.24	0.298	-	-24.2	30	98	.02
1,1,2-trichloroethane	0.28	0.313	-	-11.8	30	90	.03
chlorobenzene-D5	1	1	-	0	30	83	.02
toluene	6.175	6.185	-	-0.2	30	87	.03
1,3-dichloropropane	2.845	3.194	-	-12.3	30	96	.03
2-hexanone	3.933	4.478	-	-13.9	30	94	.03
dibromochloromethane	2.68	3.548	-	-32.4*	30	110	.02
1,2-dibromoethane	3.026	3.374	-	-11.5	30	94	.02
butyl acetate	0.691	0.781	-	-13	30	101	.03
octane	2.084	2.22	-	-6.5	30	91	.02
tetrachloroethene	2.587	2.82	-	-9	30	93	.03
1,1,1,2-tetrachloroethane	2.064	2.619	-	-26.9	30	105	.02
chlorobenzene	4.923	5.228	-	-6.2	30	90	.03
ethylbenzene	7.729	8.112	-	-5	30	88	.03
m+p-xylene	6.117	6.563	-	-7.3	30	90	.03
bromoform	2.228	3.101	-	-39.2*	30	117	.03
styrene	5.059	5.532	-	-9.3	30	91	.03
1,1,2,2-tetrachloroethane	4.547	5.039	-	-10.8	30	94	.02
o-xylene	6.233	6.795	-	-9	30	92	.03
1,2,3-trichloropropane	3.505	3.959	-	-13	30	95	.02
nonane	5.874	6.198	-	-5.5	30	86	.03
isopropylbenzene	8.214	9.63	-	-17.2	30	97	.02
bromobenzene	4.474	5.069	-	-13.3	30	97	.03
2-chlorotoluene	2.479	2.799	-	-12.9	30	93	.03
n-propylbenzene	2.681	3.086	-	-15.1	30	95	.03

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525		
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10		
Instrument ID	: AIRLAB16	**Calibration Date**	: 01/18/25 10:58		
Lab File ID	: R1647982	**Init. Calib. Date(s)**	: 12/19/24	12/20/24	
Sample No	: WG2021062-2	**Init. Calib. Times**	: 21:40	02:28	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4-chlorotoluene	2.409	2.888	-	-19.9	30	99	.03
4-ethyl toluene	8.316	9.912	-	-19.2	30	97	.03
1,3,5-trimethylbenzene	7.189	8.173	-	-13.7	30	95	.02
tert-butylbenzene	7.46	8.776	-	-17.6	30	97	.03
1,2,4-trimethylbenzene	7.077	8.118	-	-14.7	30	92	.02
decane	5.639	6.184	-	-9.7	30	92	.02
Benzyl Chloride	3.063	4.053	-	-32.3*	30	100	.03
1,3-dichlorobenzene	5.191	6.079	-	-17.1	30	94	.02
1,4-dichlorobenzene	5.165	6.076	-	-17.6	30	93	.02
sec-butylbenzene	10.468	12.476	-	-19.2	30	97	.03
p-isopropyltoluene	8.878	10.933	-	-23.1	30	100	.03
1,2-dichlorobenzene	5.048	5.784	-	-14.6	30	92	.03
n-butylbenzene	7.681	9.295	-	-21	30	94	.02
1,2-dibromo-3-chloropropan	1.664	2.265	-	-36.1*	30	104	.02
undecane	5.772	6.829	-	-18.3	30	95	0
dodecane	4.958	7.047	-	-42.1*	30	103	0
1,2,4-trichlorobenzene	2.497	3.115	-	-24.7	30	83	0
naphthalene	7.67	11.495	-	-49.9*	30	103	0
1,2,3-trichlorobenzene	2.396	3.505	-	-46.3*	30	102	0
hexachlorobutadiene	2.389	2.873	-	-20.3	30	91	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-2,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	78	0.03
2		chlorodifluoromethane	0.781	0.902	-15.5	90	0.00
3		propylene	0.434	0.583	-34.3#	106	0.00
4		propane	0.542	0.615	-13.5	96	0.00
5		dichlorodifluoromethane	0.900	1.155	-28.3	103	0.00
6	C	chloromethane	0.486	0.516	-6.2	85	0.00
7		Freon-114	0.965	1.292	-33.9#	104	0.00
8	C	methanol	0.212	0.259	-22.2	92	0.00
9	C	vinyl chloride	0.419	0.491	-17.2	92	0.00
10	C	1,3-butadiene	0.364	0.452	-24.2	97	0.00
11		butane	0.709	0.850	-19.9	94	0.00
13	C	bromomethane	0.358	0.432	-20.7	95	0.00
14	C	chloroethane	0.198	0.229	-15.7	94	0.00
15		ethanol	0.335	0.444	-32.5#	102	0.00
16		dichlorofluoromethane	0.721	0.973	-35.0#	104	0.00
17	C	vinyl bromide	0.361	0.433	-19.9	92	0.00
18	C	acrolein	0.212	0.243	-14.6	101	0.00
19		acetone	0.563	0.753	-33.7#	120	0.00
20	C	acetonitrile	0.419	0.472	-12.6	91	0.00
21		trichlorofluoromethane	0.703	0.848	-20.6	115	0.00
22		isopropyl alcohol	0.980	0.856	12.7	69	0.00
23	C	acrylonitrile	0.423	0.454	-7.3	87	0.00
24		pentane	1.172	1.020	13.0	67	0.01
25		ethyl ether	0.793	0.812	-2.4	81	0.01
26	C	1,1-dichloroethene	0.701	0.842	-20.1	92	0.01
27		tertiary butyl alcohol	0.730	0.912	-24.9	96	0.01
28	C	methylene chloride	0.687	0.764	-11.2	90	0.01
29	C	3-chloropropene	0.751	0.911	-21.3	92	0.01
30	C	carbon disulfide	1.745	1.864	-6.8	90	0.01
31		Freon 113	1.013	1.219	-20.3	93	0.01
32		trans-1,2-dichloroethene	0.698	0.855	-22.5	93	0.02
33	C	1,1-dichloroethane	0.922	1.059	-14.9	88	0.02
34	C	MTBE	1.165	1.386	-19.0	91	0.02
35	C	vinyl acetate	1.114	1.115	-0.1	84	0.03
36	C	2-butanone	1.318	1.546	-17.3	91	0.03
37		cis-1,2-dichloroethene	0.677	0.801	-18.3	91	0.02
38		Ethyl Acetate	0.172	0.224	-30.2#	101	0.02
39	C	chloroform	0.911	1.084	-19.0	94	0.02
40		Tetrahydrofuran	0.776	0.887	-14.3	90	0.02

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-2,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	0.581	0.755	-29.9	99	0.03
42	C	1,2-dichloroethane	0.537	0.654	-21.8	94	0.03
43	I	1,4-difluorobenzene	1.000	1.000	0.0	80	0.02
44	C	hexane	0.308	0.368	-19.5	98	0.02
45		diisopropyl ether	0.167	0.190	-13.8	91	0.03
46		tert-butyl ethyl ether	0.508	0.564	-11.0	87	0.03
48	C	1,1,1-trichloroethane	0.290	0.339	-16.9	92	0.02
49		1,1-dichloropropene	0.306	0.349	-14.1	93	0.03
50	C	benzene	0.719	0.733	-1.9	87	0.02
52	C	carbon tetrachloride	0.265	0.343	-29.4	102	0.02
53		cyclohexane	0.328	0.384	-17.1	96	0.03
54		tert-amyl methyl ether	0.499	0.539	-8.0	87	0.03
55		dibromomethane	0.217	0.265	-22.1	97	0.03
56	C	1,2-dichloropropane	0.247	0.269	-8.9	87	0.03
57		bromodichloromethane	0.340	0.444	-30.6#	105	0.02
58	C	1,4-dioxane	0.145	0.178	-22.8	102	0.03
59	C	trichloroethene	0.298	0.342	-14.8	92	0.02
60	C	2,2,4-trimethylpentane	1.008	1.242	-23.2	99	0.02
61		methyl methacrylate	0.271	0.366	-35.1#	107	0.03
62		heptane	0.490	0.579	-18.2	94	0.02
63	C	cis-1,3-dichloropropene	0.333	0.380	-14.1	92	0.03
64	C	4-methyl-2-pentanone	0.593	0.707	-19.2	94	0.03
65		trans-1,3-dichloropropene	0.240	0.298	-24.2	98	0.02
66	C	1,1,2-trichloroethane	0.280	0.313	-11.8	90	0.03
67	I	chlorobenzene-D5	1.000	1.000	0.0	83	0.02
68	C	toluene	6.175	6.185	-0.2	87	0.03
71		1,3-dichloropropane	2.845	3.194	-12.3	96	0.03
72		2-hexanone	3.933	4.478	-13.9	94	0.03
74		dibromochloromethane	2.680	3.548	-32.4#	110	0.02
75	C	1,2-dibromoethane	3.026	3.374	-11.5	94	0.02
76		butyl acetate	0.691	0.781	-13.0	101	0.03
77		octane	2.084	2.220	-6.5	91	0.02
78	C	tetrachloroethene	2.587	2.820	-9.0	93	0.03
79		1,1,1,2-tetrachloroethane	2.064	2.619	-26.9	105	0.02
80	C	chlorobenzene	4.923	5.228	-6.2	90	0.03
81	C	ethylbenzene	7.729	8.112	-5.0	88	0.03
83	C	m+p-xylene	6.117	6.563	-7.3	90	0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-2,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
84	C	bromoform	2.228	3.101	-39.2#	117	0.03
85	C	styrene	5.059	5.532	-9.3	91	0.03
86	C	1,1,2,2-tetrachloroethane	4.547	5.039	-10.8	94	0.02
87	C	o-xylene	6.233	6.795	-9.0	92	0.03
88		1,2,3-trichloropropane	3.505	3.959	-13.0	95	0.02
89		nonane	5.874	6.198	-5.5	86	0.03
91	C	isopropylbenzene	8.214	9.630	-17.2	97	0.02
92		bromobenzene	4.474	5.069	-13.3	97	0.03
93		2-chlorotoluene	2.479	2.799	-12.9	93	0.03
94		n-propylbenzene	2.681	3.086	-15.1	95	0.03
95		4-chlorotoluene	2.409	2.888	-19.9	99	0.03
96		4-ethyl toluene	8.316	9.912	-19.2	97	0.03
97		1,3,5-trimethylbenzene	7.189	8.173	-13.7	95	0.02
98		tert-butylbenzene	7.460	8.776	-17.6	97	0.03
99		1,2,4-trimethylbenzene	7.077	8.118	-14.7	92	0.02
100		decane	5.639	6.184	-9.7	92	0.02
101	C	Benzyl Chloride	3.063	4.053	-32.3#	100	0.03
102		1,3-dichlorobenzene	5.191	6.079	-17.1	94	0.02
103	C	1,4-dichlorobenzene	5.165	6.076	-17.6	93	0.02
104		sec-butylbenzene	10.468	12.476	-19.2	97	0.03
106		p-isopropyltoluene	8.878	10.933	-23.1	100	0.03
107		1,2-dichlorobenzene	5.048	5.784	-14.6	92	0.03
108		n-butylbenzene	7.681	9.295	-21.0	94	0.02
111	C	1,2-dibromo-3-chloropropane	1.664	2.265	-36.1#	104	0.02
112		undecane	5.772	6.829	-18.3	95	0.00
114		dodecane	4.958	7.047	-42.1#	103	0.00
115	C	1,2,4-trichlorobenzene	2.497	3.115	-24.7	83	0.00
116		naphthalene	7.670	11.495	-49.9#	103	0.00
117		1,2,3-trichlorobenzene	2.396	3.505	-46.3#	102	0.00
119	C	hexachlorobutadiene	2.389	2.873	-20.3	91	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 3

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-2,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.083	49	258084	10.000	ppbV	0.03
Standard Area = 258084			Recovery = 100.00%			
43) 1,4-difluorobenzene	11.300	114	704126	10.000	ppbV	0.02
Standard Area = 704126			Recovery = 100.00%			
67) chlorobenzene-D5	15.992	54	97914	10.000	ppbV	0.02
Standard Area = 97914			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
2) chlorodifluoromethane	3.880	51	232774	11.547	ppbV	96
3) propylene	3.904	41	150482M6	13.438	ppbV	
4) propane	3.928	29	158633	11.344	ppbV	96
5) dichlorodifluoromethane	3.982	85	298179	12.844	ppbV	99
6) chloromethane	4.144	50	133144	10.617	ppbV	99
7) Freon-114	4.252	85	333516	13.387	ppbV	98
8) methanol	4.318	31	334707	61.053	ppbV	94
9) vinyl chloride	4.378	62	126845	11.723	ppbV	100
10) 1,3-butadiene	4.522	54	116529	12.411	ppbV	87
11) butane	4.576	43	219491	11.993	ppbV	96
13) bromomethane	4.804	94	111597	12.066	ppbV	97
14) chloroethane	4.990	64	59214	11.589	ppbV	99
15) ethanol	5.122	31	572486	66.199	ppbV	93
16) dichlorofluoromethane	5.104	67	251017	13.491	ppbV	99
17) vinyl bromide	5.373	106	111819	11.985	ppbV	99
18) acrolein	5.500	56	62599	11.438	ppbV	94
19) acetone	5.637	43	971317	66.861	ppbV	91
20) acetonitrile	5.353	41	121883	11.281	ppbV	99
21) trichlorofluoromethane	5.830	101	218894	12.057	ppbV	99
22) isopropyl alcohol	5.913	45	552150	21.833	ppbV	99
23) acrylonitrile	6.153	53	117229	10.743	ppbV	93
24) pentane	6.227	43	263284	8.702	ppbV #	95
25) ethyl ether	6.250	31	209519	10.244	ppbV	93
26) 1,1-dichloroethene	6.528	61	217354	12.020	ppbV	95
27) tertiary butyl alcohol	6.576	59	235455	12.490	ppbV	93
28) methylene chloride	6.672	49	197049	11.116	ppbV	98
29) 3-chloropropene	6.804	41	235037	12.122	ppbV	93
30) carbon disulfide	6.978	76	481036	10.682	ppbV	99
31) Freon 113	6.972	101	314558	12.030	ppbV	96

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
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Sample : WG2021062-2,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) trans-1,2-dichloroethene	7.725	61	220751	12.261	ppbV	100
33) 1,1-dichloroethane	7.950	63	273405	11.494	ppbV	99
34) MTBE	8.008	73	357576	11.893	ppbV	99
35) vinyl acetate	8.133	43	287654	10.004	ppbV	99
36) 2-butanone	8.392	43	398940	11.729	ppbV	99
37) cis-1,2-dichloroethene	8.892	61	206660	11.831	ppbV	98
38) Ethyl Acetate	9.158	61	57791	13.042	ppbV	98
39) chloroform	9.233	83	279835	11.905	ppbV	98
40) Tetrahydrofuran	9.667	42	229038	11.440	ppbV	99
41) 2,2-dichloropropane	9.258	77	194955	12.991	ppbV	99
42) 1,2-dichloroethane	10.067	62	168789	12.174	ppbV	97
44) hexane	9.142	57	258970	11.943	ppbV	81
45) diisopropyl ether	9.142	87	133685	11.361	ppbV	94
46) tert-butyl ethyl ether	9.750	59	397358	11.115	ppbV	100
48) 1,1,1-trichloroethane	10.358	97	238818	11.707	ppbV	96
49) 1,1-dichloropropene	10.720	75	245872	11.406	ppbV	98
50) benzene	10.880	78	515955	10.191	ppbV	98
52) carbon tetrachloride	11.053	117	241236	12.943	ppbV	100
53) cyclohexane	11.200	56	270145	11.702	ppbV	98
54) tert-amyl methyl ether	11.567	73	379543	10.799	ppbV	99
55) dibromomethane	11.793	93	186706	12.204	ppbV	98
56) 1,2-dichloropropane	11.827	63	189206	10.869	ppbV	99
57) bromodichloromethane	12.053	83	312472	13.048	ppbV	99
58) 1,4-dioxane	12.087	88	125652	12.270	ppbV	99
59) trichloroethene	12.100	130	240852	11.463	ppbV	99
60) 2,2,4-trimethylpentane	12.147	57	874775	12.326	ppbV	99
61) methyl methacrylate	12.340	41	257626	13.513	ppbV	99
62) heptane	12.460	43	407731	11.820	ppbV	95
63) cis-1,3-dichloropropene	13.117	75	267811	11.436	ppbV	99
64) 4-methyl-2-pentanone	13.150	43	497551	11.913	ppbV	98
65) trans-1,3-dichloropropene	13.733	75	209703	12.397	ppbV	98
66) 1,1,2-trichloroethane	13.933	97	220210	11.156	ppbV	98
68) toluene	14.250	91	605607	10.016	ppbV	100
71) 1,3-dichloropropane	14.275	76	312744	11.228	ppbV	96
72) 2-hexanone	14.525	43	438452	11.385	ppbV	97
74) dibromochloromethane	14.692	129	347427	13.241	ppbV	99
75) 1,2-dibromoethane	14.942	107	330383	11.151	ppbV	99
76) butyl acetate	15.175	73	76504	11.309	ppbV	96
77) octane	15.267	85	217332	10.653	ppbV	92
78) tetrachloroethene	15.400	166	276107	10.900	ppbV	96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-2,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : Default-LCS-AP2 - All compounds listed

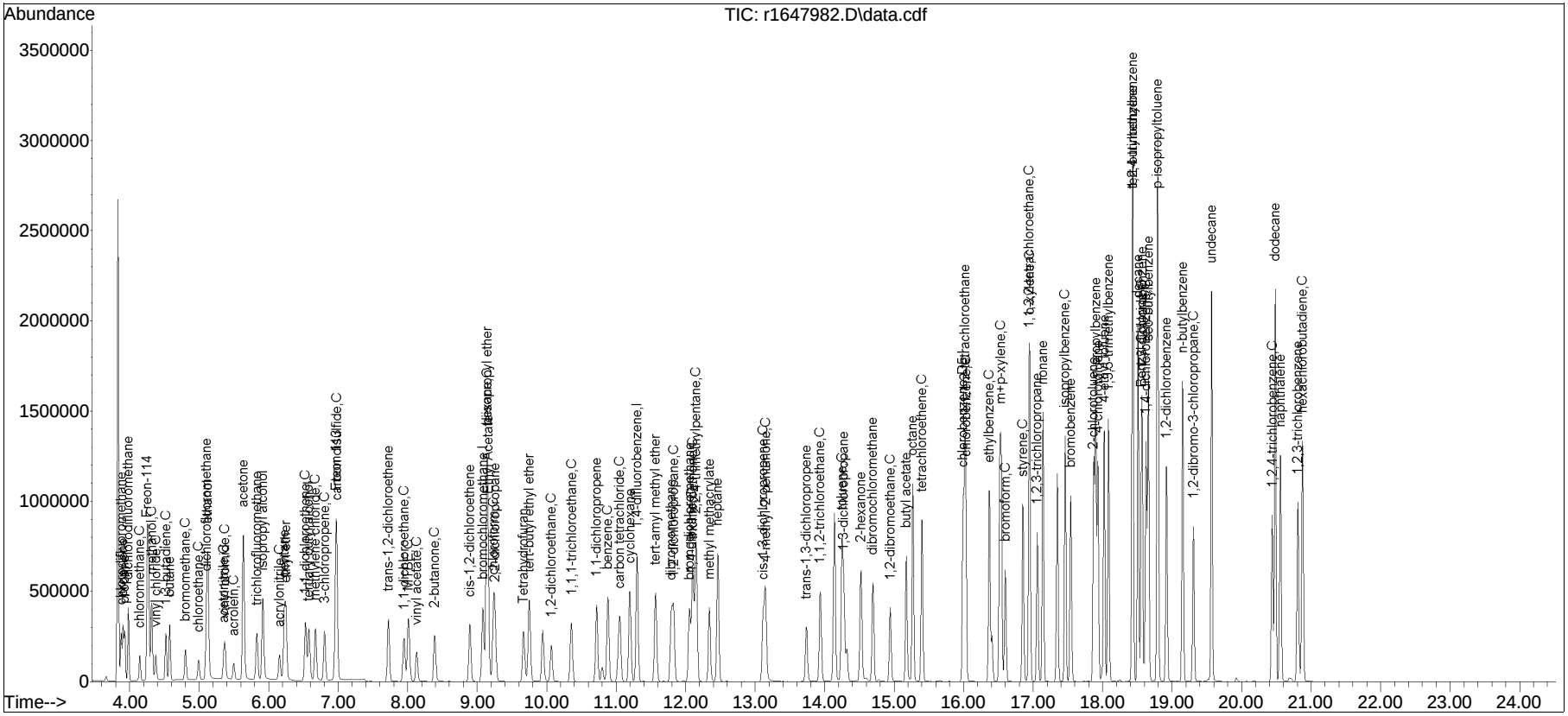
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 1,1,1,2-tetrachloroethane	16.017	131	256424	12.689	ppbV	97
80) chlorobenzene	16.033	112	511937	10.620	ppbV	97
81) ethylbenzene	16.367	91	794232	10.495	ppbV	100
83) m+p-xylene	16.533	91	1285213	21.460	ppbV	100
84) bromoform	16.600	173	303664	13.922	ppbV	99
85) styrene	16.850	104	541694	10.936	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.942	83	493428	11.082	ppbV	99
87) o-xylene	16.950	91	665308	10.901	ppbV	98
88) 1,2,3-trichloropropane	17.058	75	387661	11.295	ppbV	98
89) nonane	17.142	43	606895	10.551	ppbV	97
91) isopropylbenzene	17.458	105	942950	11.724	ppbV	99
92) bromobenzene	17.542	77	496359	11.330	ppbV	98
93) 2-chlorotoluene	17.867	126	274058	11.289	ppbV	92
94) n-propylbenzene	17.900	120	302115	11.510	ppbV	98
95) 4-chlorotoluene	17.933	126	282737	11.987	ppbV	99
96) 4-ethyl toluene	18.025	105	970515	11.919	ppbV	99
97) 1,3,5-trimethylbenzene	18.083	105	800283	11.369	ppbV	98
98) tert-butylbenzene	18.433	119	859290	11.765	ppbV	98
99) 1,2,4-trimethylbenzene	18.433	105	794893	11.471	ppbV	97
100) decane	18.508	57	605490	10.967	ppbV	96
101) Benzyl Chloride	18.558	91	396876	13.233	ppbV	98
102) 1,3-dichlorobenzene	18.567	146	595238	11.712	ppbV	99
103) 1,4-dichlorobenzene	18.625	146	594973	11.765	ppbV	100
104) sec-butylbenzene	18.658	105	1221595	11.919	ppbV	100
106) p-isopropyltoluene	18.792	119	1070496	12.315	ppbV	97
107) 1,2-dichlorobenzene	18.917	146	566323	11.459	ppbV	99
108) n-butylbenzene	19.150	91	910154	12.102	ppbV	99
111) 1,2-dibromo-3-chloropr...	19.308	75	221747	13.614	ppbV	99
112) undecane	19.567	57	668656	11.830	ppbV	96
114) dodecane	20.483	57	690029	14.214	ppbV	95
115) 1,2,4-trichlorobenzene	20.442	180	305049	12.479	ppbV	99
116) naphthalene	20.558	128	1125545	14.988	ppbV	100
117) 1,2,3-trichlorobenzene	20.808	180	343174	14.628	ppbV	97
119) hexachlorobutadiene	20.875	225	281320	12.025	ppbV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedr1647982.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-2,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

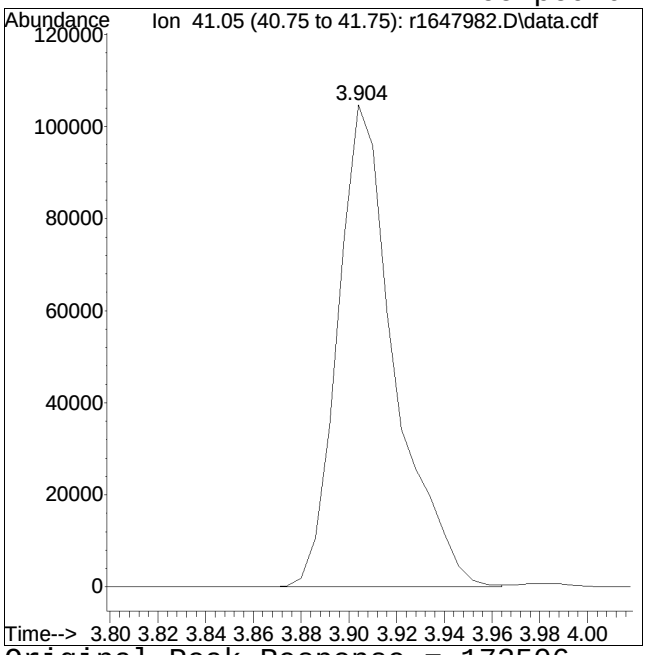
Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration



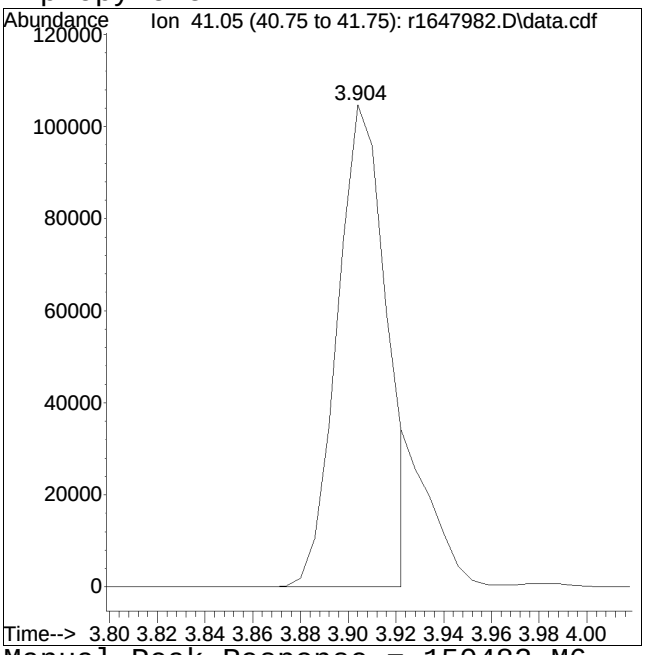
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647982.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 10:58 AM Instrument :
Sample : WG2021062-2,3,250,250 Quant Date : 1/18/2025 12:47 pm

Compound #3: propylene



Original Peak Response = 173506



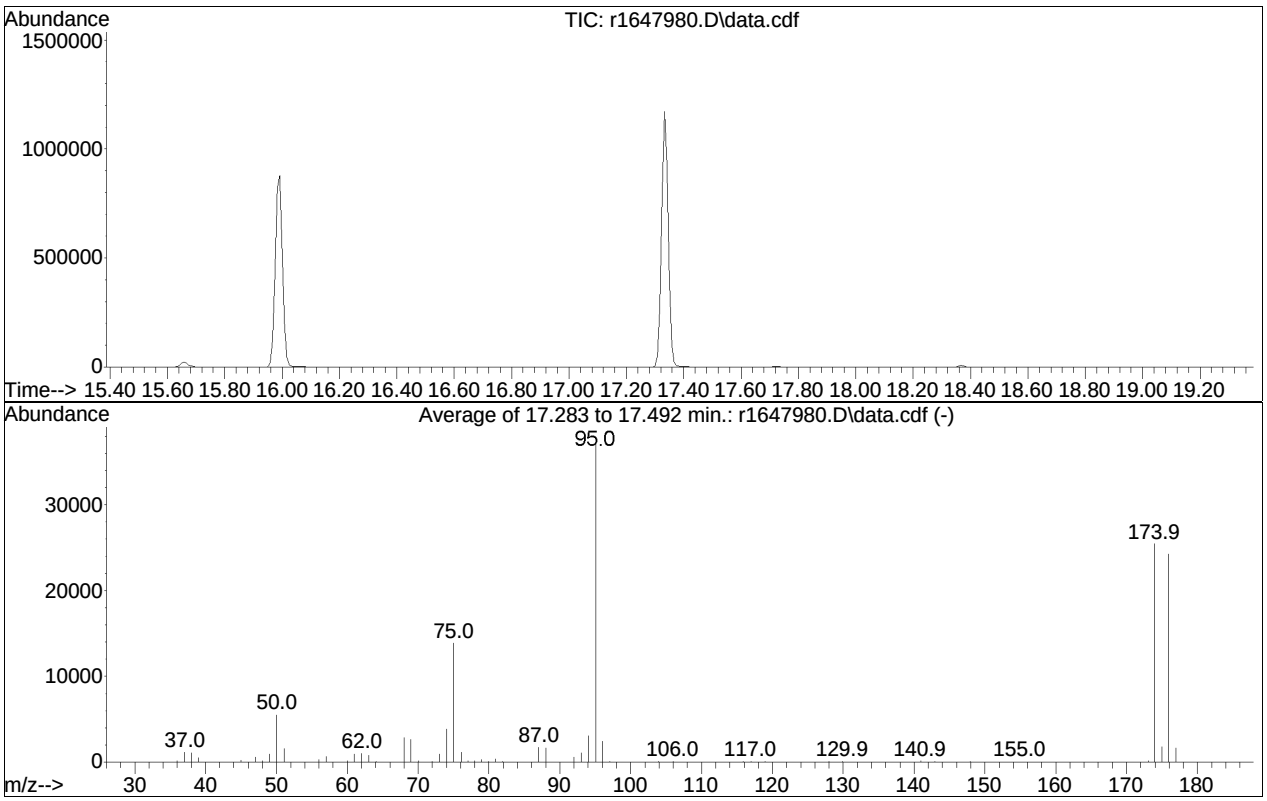
Manual Peak Response = 150482 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647980.D
Acq On : 18 Jan 2025 10:15 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-1,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 14:34:10 2024



Spectrum Information: Average of 17.283 to 17.492 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.8	5519	PASS
75	95	30	66	37.2	13875	PASS
95	95	100	100	100.0	37261	PASS
96	95	5	9	6.6	2450	PASS
173	174	0.00	2	0.6	157	PASS
174	95	50	120	68.3	25457	PASS
175	174	4	9	7.0	1783	PASS
176	174	93	101	95.3	24249	PASS
177	176	5	9	6.7	1622	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647984.D
Acq On : 18 Jan 2025 4:13 PM
Operator : AIRLAB16:BJB
Sample : WG2021062-4,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 11:21:05 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	9.100	49	270598	10.000	ppbV		0.04
Standard Area = 258084			Recovery = 104.85%				
43) 1,4-difluorobenzene	11.320	114	721948	10.000	ppbV		0.04
Standard Area = 704126			Recovery = 102.53%				
67) chlorobenzene-D5	16.000	54	98738	10.000	ppbV		0.03
Standard Area = 97914			Recovery = 100.84%				
System Monitoring Compounds							
Target Compounds							Qvalue
5) dichlorodifluoromethane	3.940		0	N.D.			
6) chloromethane	0.000		0	N.D.			
7) Freon-114	0.000		0	N.D.			
9) vinyl chloride	0.000		0	N.D.			
10) 1,3-butadiene	0.000		0	N.D.			
13) bromomethane	0.000		0	N.D.			
14) chloroethane	0.000		0	N.D.			
15) ethanol	5.152	31	899	0.099	ppbV		98
17) vinyl bromide	0.000		0	N.D.			
19) acetone	5.670	43	5282	0.347	ppbV	#	98
21) trichlorofluoromethane	0.000		0	N.D.			
22) isopropyl alcohol	5.953	45	1901	0.072	ppbV	#	91
26) 1,1-dichloroethene	0.000		0	N.D.			
27) tertiary butyl alcohol	6.630		0	N.D.			
28) methylene chloride	6.690		0	N.D.			
29) 3-chloropropene	0.000		0	N.D.			
30) carbon disulfide	6.996	76	3823	0.081	ppbV	#	14
31) Freon 113	0.000		0	N.D.			
32) trans-1,2-dichloroethene	0.000		0	N.D.			
33) 1,1-dichloroethane	0.000		0	N.D.			
34) MTBE	0.000		0	N.D.			
36) 2-butanone	8.433	43	1440	0.040	ppbV	#	83
37) cis-1,2-dichloroethene	0.000		0	N.D.			
38) Ethyl Acetate	0.000		0	N.D.			
39) chloroform	0.000		0	N.D.			
40) Tetrahydrofuran	9.725		0	N.D.			
42) 1,2-dichloroethane	0.000		0	N.D.			
44) hexane	0.000		0	N.D.			

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647984.D
Acq On : 18 Jan 2025 4:13 PM
Operator : AIRLAB16:BJB
Sample : WG2021062-4,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 11:21:05 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	0.000		0	N.D.		
50) benzene	10.893		0	N.D.		
52) carbon tetrachloride	0.000		0	N.D.		
53) cyclohexane	0.000		0	N.D.	d	
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	0.000		0	N.D.		
62) heptane	0.000		0	N.D.		
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D.		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.275		0	N.D.		
72) 2-hexanone	0.000		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	16.375		0	N.D.		
83) m+p-xylene	16.525		0	N.D.		
84) bromoform	0.000		0	N.D.		
85) styrene	0.000		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.950		0	N.D.		
96) 4-ethyl toluene	0.000		0	N.D.		
97) 1,3,5-trimethylbenzene	0.000		0	N.D.		
99) 1,2,4-trimethylbenzene	18.433		0	N.D.		
101) Benzyl Chloride	0.000		0	N.D.		
102) 1,3-dichlorobenzene	18.575		0	N.D.		
103) 1,4-dichlorobenzene	18.575		0	N.D.		
107) 1,2-dichlorobenzene	18.925		0	N.D.		
115) 1,2,4-trichlorobenzene	20.467		0	N.D.		
116) naphthalene	20.583		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647984.D
Acq On : 18 Jan 2025 4:13 PM
Operator : AIRLAB16:BJB
Sample : WG2021062-4,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 11:21:05 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

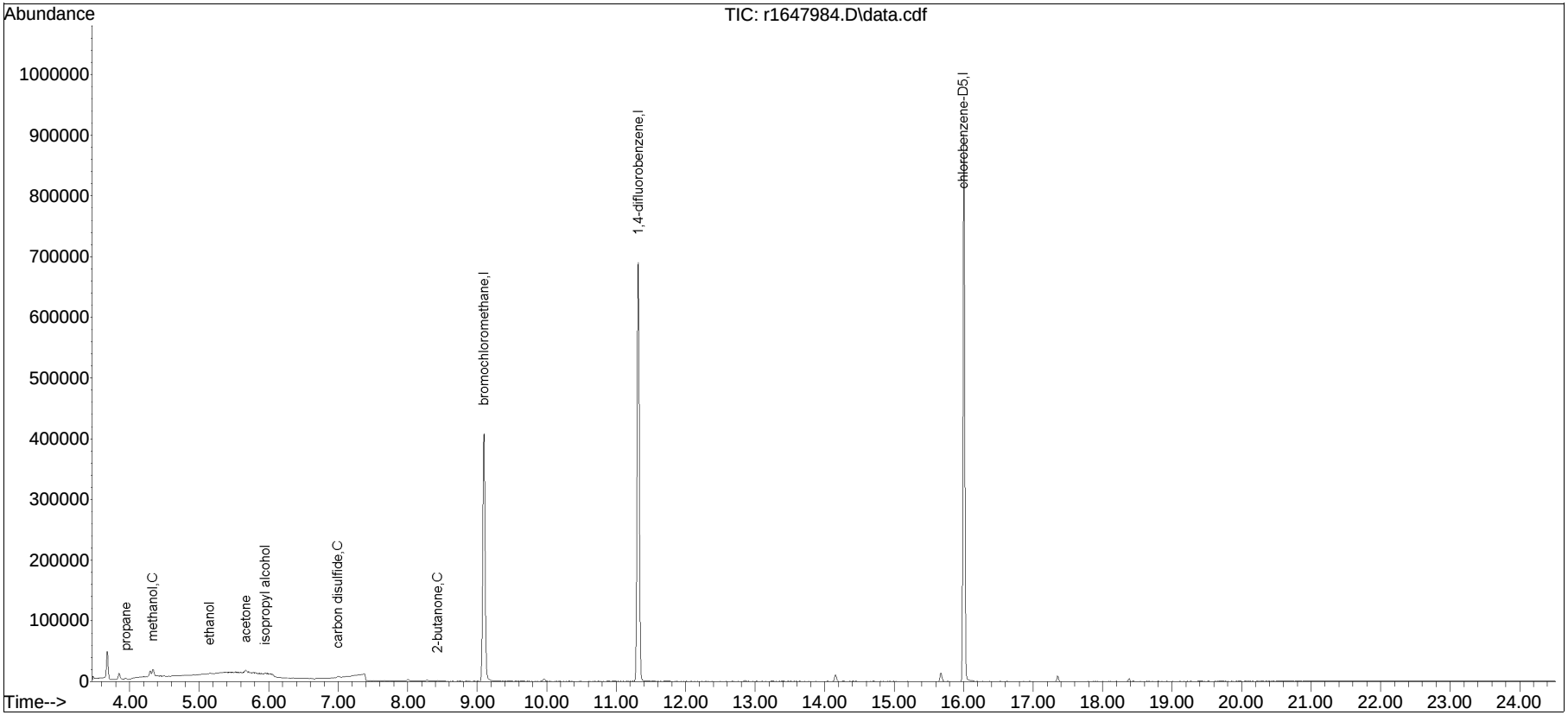
CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : Default-LCS-AP2 - All compounds listed

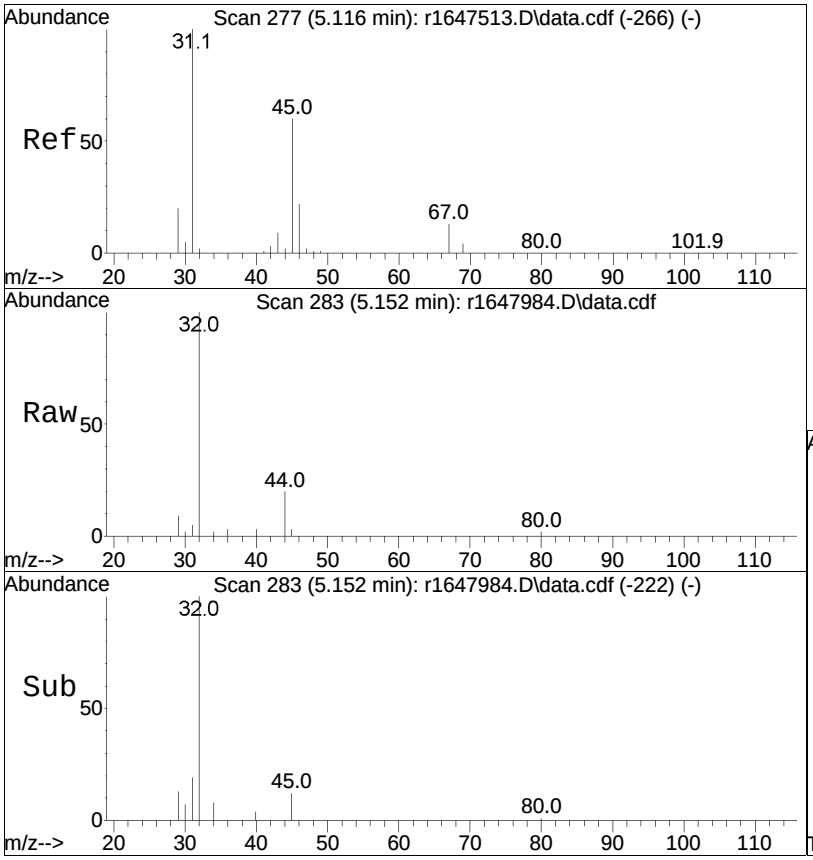
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listedr1647982.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647984.D
Acq On : 18 Jan 2025 4:13 PM
Operator : AIRLAB16:BJB
Sample : WG2021062-4,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 11:21:05 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

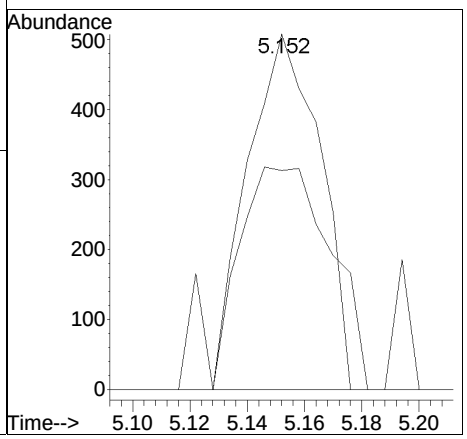


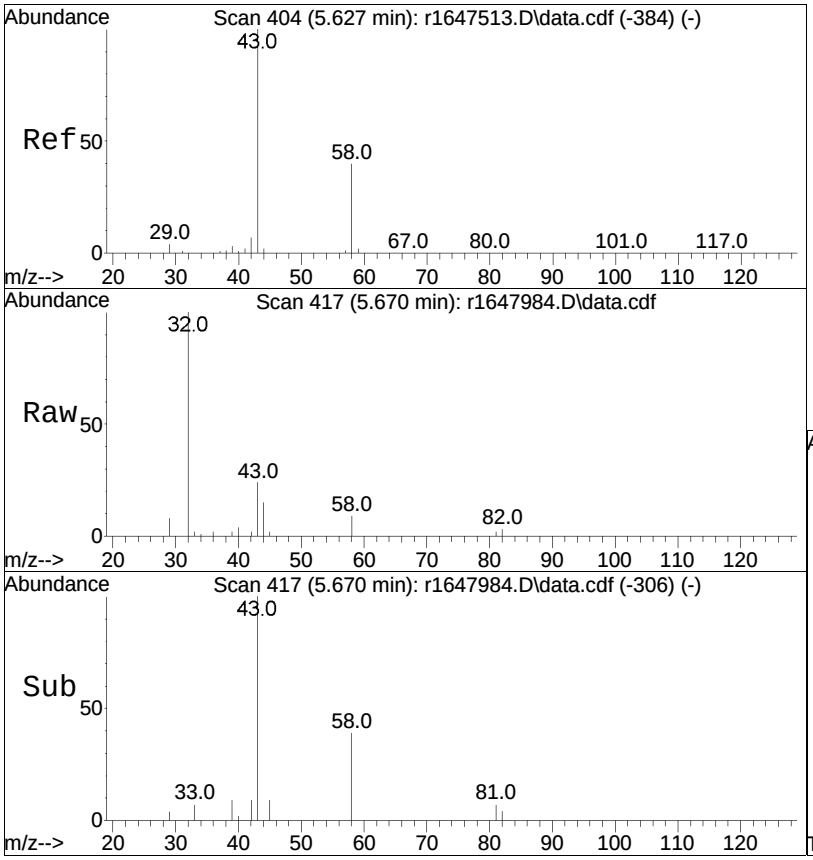


#15
ethanol
Concen: 0.10 ppbV
RT: 5.152 min Scan# 283
Delta R.T. 0.036 min
Lab File: r1647984.D
Acq: 18 Jan 2025 4:13 PM

Tgt Ion: 31 Resp: 899

Ion	Ratio	Lower	Upper
31	100		
45	61.6	47.8	71.8

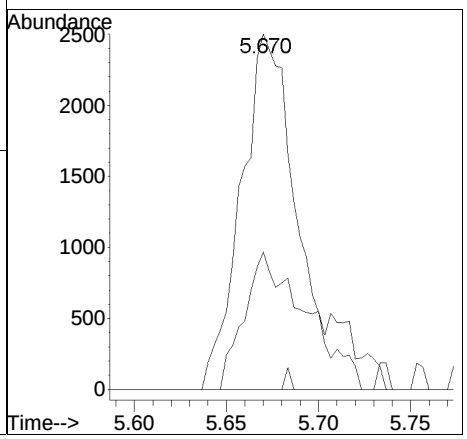


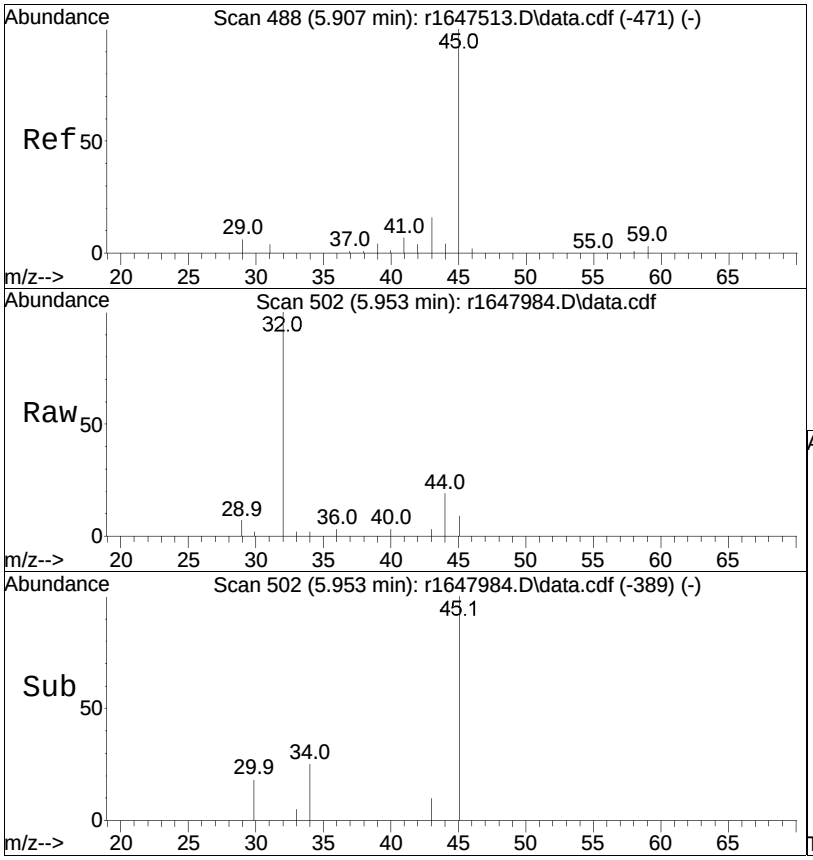


#19
acetone
Concen: 0.35 ppbV
RT: 5.670 min Scan# 417
Delta R.T. 0.043 min
Lab File: r1647984.D
Acq: 18 Jan 2025 4:13 PM

Tgt Ion: 43 Resp: 5282

Ion	Ratio	Lower	Upper
43	100		
58	38.7	32.1	48.1
57	0.0	0.9	1.3#

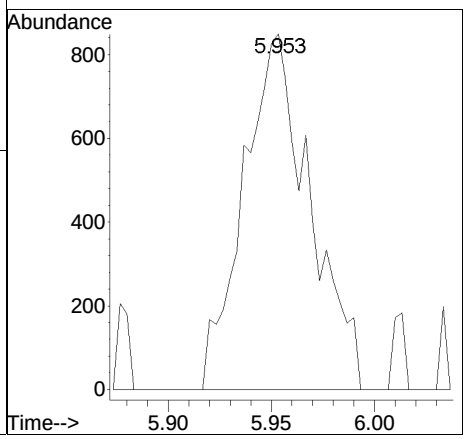


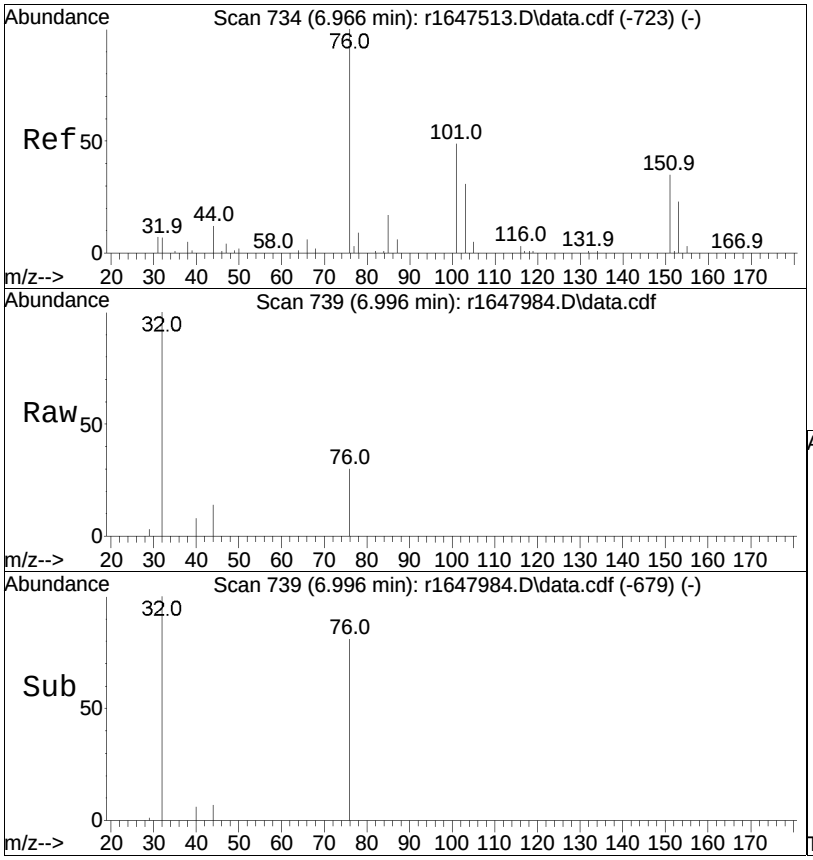


#22
isopropyl alcohol
Concen: 0.07 ppbV
RT: 5.953 min Scan# 502
Delta R.T. 0.047 min
Lab File: r1647984.D
Acq: 18 Jan 2025 4:13 PM

Tgt Ion: 45 Resp: 1901

Ion	Ratio	Lower	Upper
45	100		
59	0.0	2.5	3.7#

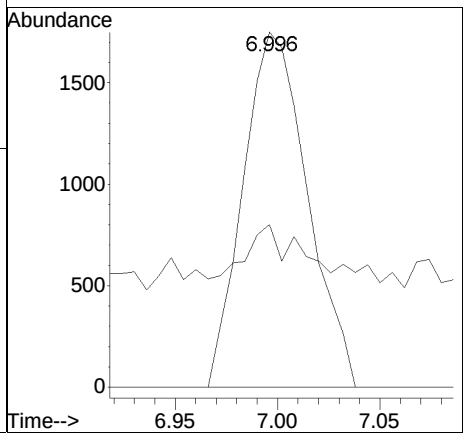


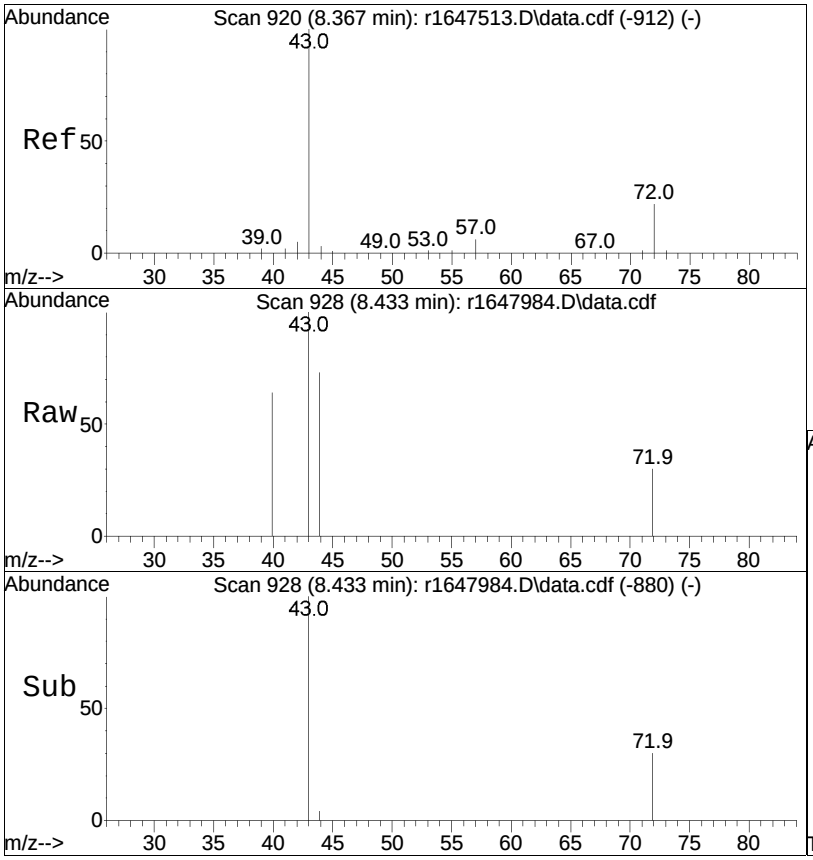


#30
carbon disulfide
Concen: 0.08 ppbV
RT: 6.996 min Scan# 739
Delta R.T. 0.030 min
Lab File: r1647984.D
Acq: 18 Jan 2025 4:13 PM

Tgt Ion: 76 Resp: 3823

Ion	Ratio	Lower	Upper
76	100		
44	45.8	9.8	14.6#

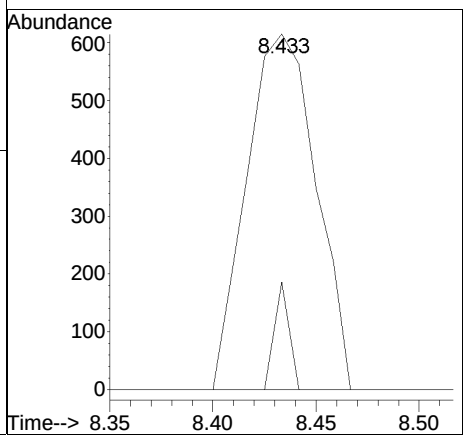




#36
2-butanone
Concen: 0.04 ppbV
RT: 8.433 min Scan# 928
Delta R.T. 0.067 min
Lab File: r1647984.D
Acq: 18 Jan 2025 4:13 PM

Tgt Ion: 43 Resp: 1440

Ion	Ratio	Lower	Upper
43	100		
72	30.2	17.7	26.5#
57	0.0	4.6	6.8#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab16\20	QMethod	: TFS16_241219.M
Data File	: r1647984.D	Operator	: AIRLAB16:BJB
Date Inj'd	: 1/18/2025 4:13 PM	Instrument	:
Sample	: WG2021062-4,3,250,250	Quant Date	: 1/19/2025 11:21 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-3,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	bromochloromethane	10.000	10.000	0.0	78	0.03
2		chlorodifluoromethane	10.000	11.547	-15.5	90	0.00
3		propylene	10.000	13.438	-34.4#	106	0.00
4		propane	10.000	11.344	-13.4	96	0.00
5		dichlorodifluoromethane	10.000	12.844	-28.4	103	0.00
6	C	chloromethane	10.000	10.617	-6.2	85	0.00
7		Freon-114	10.000	13.387	-33.9#	104	0.00
8	C	methanol	50.000	61.053	-22.1	92	0.00
9	C	vinyl chloride	10.000	11.723	-17.2	92	0.00
10	C	1,3-butadiene	10.000	12.411	-24.1	97	0.00
11		butane	10.000	11.993	-19.9	94	0.00
13	C	bromomethane	10.000	12.066	-20.7	95	0.00
14	C	chloroethane	10.000	11.589	-15.9	94	0.00
15		ethanol	50.000	66.199	-32.4#	102	0.00
16		dichlorofluoromethane	10.000	13.491	-34.9#	104	0.00
17	C	vinyl bromide	10.000	11.985	-19.8	92	0.00
18	C	acrolein	10.000	11.438	-14.4	101	0.00
19		acetone	50.000	66.861	-33.7#	120	0.00
20	C	acetonitrile	10.000	11.281	-12.8	91	0.00
21		trichlorofluoromethane	10.000	12.057	-20.6	115	0.00
22		isopropyl alcohol	25.000	21.833	12.7	69	0.00
23	C	acrylonitrile	10.000	10.743	-7.4	87	0.00
24		pentane	10.000	8.702	13.0	67	0.01
25		ethyl ether	10.000	10.244	-2.4	81	0.01
26	C	1,1-dichloroethene	10.000	12.020	-20.2	92	0.01
27		tertiary butyl alcohol	10.000	12.490	-24.9	96	0.01
28	C	methylene chloride	10.000	11.116	-11.2	90	0.01
29	C	3-chloropropene	10.000	12.122	-21.2	92	0.01
30	C	carbon disulfide	10.000	10.682	-6.8	90	0.01
31		Freon 113	10.000	12.030	-20.3	93	0.01
32		trans-1,2-dichloroethene	10.000	12.261	-22.6	93	0.02
33	C	1,1-dichloroethane	10.000	11.494	-14.9	88	0.02
34	C	MTBE	10.000	11.893	-18.9	91	0.02
35	C	vinyl acetate	10.000	10.004	-0.0	84	0.03
36	C	2-butanone	10.000	11.729	-17.3	91	0.03
37		cis-1,2-dichloroethene	10.000	11.831	-18.3	91	0.02
38		Ethyl Acetate	10.000	13.042	-30.4#	101	0.02
39	C	chloroform	10.000	11.905	-19.0	94	0.02
40		Tetrahydrofuran	10.000	11.440	-14.4	90	0.02

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-3,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	10.000	12.991	-29.9	99	0.03
42	C	1,2-dichloroethane	10.000	12.174	-21.7	94	0.03
43	I	1,4-difluorobenzene	10.000	10.000	0.0	80	0.02
44	C	hexane	10.000	11.943	-19.4	98	0.02
45		diisopropyl ether	10.000	11.361	-13.6	91	0.03
46		tert-butyl ethyl ether	10.000	11.115	-11.2	87	0.03
48	C	1,1,1-trichloroethane	10.000	11.707	-17.1	92	0.02
49		1,1-dichloropropene	10.000	11.406	-14.1	93	0.03
50	C	benzene	10.000	10.191	-1.9	87	0.02
52	C	carbon tetrachloride	10.000	12.943	-29.4	102	0.02
53		cyclohexane	10.000	11.702	-17.0	96	0.03
54		tert-amyl methyl ether	10.000	10.799	-8.0	87	0.03
55		dibromomethane	10.000	12.204	-22.0	97	0.03
56	C	1,2-dichloropropane	10.000	10.869	-8.7	87	0.03
57		bromodichloromethane	10.000	13.048	-30.5#	105	0.02
58	C	1,4-dioxane	10.000	12.270	-22.7	102	0.03
59	C	trichloroethene	10.000	11.463	-14.6	92	0.02
60	C	2,2,4-trimethylpentane	10.000	12.326	-23.3	99	0.02
61		methyl methacrylate	10.000	13.513	-35.1#	107	0.03
62		heptane	10.000	11.820	-18.2	94	0.02
63	C	cis-1,3-dichloropropene	10.000	11.436	-14.4	92	0.03
64	C	4-methyl-2-pentanone	10.000	11.913	-19.1	94	0.03
65		trans-1,3-dichloropropene	10.000	12.397	-24.0	98	0.02
66	C	1,1,2-trichloroethane	10.000	11.156	-11.6	90	0.03
67	I	chlorobenzene-D5	10.000	10.000	0.0	83	0.02
68	C	toluene	10.000	10.016	-0.2	87	0.03
71		1,3-dichloropropane	10.000	11.228	-12.3	96	0.03
72		2-hexanone	10.000	11.385	-13.8	94	0.03
74		dibromochloromethane	10.000	13.241	-32.4#	110	0.02
75	C	1,2-dibromoethane	10.000	11.151	-11.5	94	0.02
76		butyl acetate	10.000	11.309	-13.1	101	0.03
77		octane	10.000	10.653	-6.5	91	0.02
78	C	tetrachloroethene	10.000	10.900	-9.0	93	0.03
79		1,1,1,2-tetrachloroethane	10.000	12.689	-26.9	105	0.02
80	C	chlorobenzene	10.000	10.620	-6.2	90	0.03
81	C	ethylbenzene	10.000	10.495	-4.9	88	0.03
83	C	m+p-xylene	20.000	21.460	-7.3	90	0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-3,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
84	C	bromoform	10.000	13.922	-39.2#	117	0.03
85	C	styrene	10.000	10.936	-9.4	91	0.03
86	C	1,1,2,2-tetrachloroethane	10.000	11.082	-10.8	94	0.02
87	C	o-xylene	10.000	10.901	-9.0	92	0.03
88		1,2,3-trichloropropane	10.000	11.295	-13.0	95	0.02
89		nonane	10.000	10.551	-5.5	86	0.03
91	C	isopropylbenzene	10.000	11.724	-17.2	97	0.02
92		bromobenzene	10.000	11.330	-13.3	97	0.03
93		2-chlorotoluene	10.000	11.289	-12.9	93	0.03
94		n-propylbenzene	10.000	11.510	-15.1	95	0.03
95		4-chlorotoluene	10.000	11.987	-19.9	99	0.03
96		4-ethyl toluene	10.000	11.919	-19.2	97	0.03
97		1,3,5-trimethylbenzene	10.000	11.369	-13.7	95	0.02
98		tert-butylbenzene	10.000	11.765	-17.7	97	0.03
99		1,2,4-trimethylbenzene	10.000	11.471	-14.7	92	0.02
100		decane	10.000	10.967	-9.7	92	0.02
101	C	Benzyl Chloride	10.000	13.233	-32.3#	100	0.03
102		1,3-dichlorobenzene	10.000	11.712	-17.1	94	0.02
103	C	1,4-dichlorobenzene	10.000	11.765	-17.7	93	0.02
104		sec-butylbenzene	10.000	11.919	-19.2	97	0.03
106		p-isopropyltoluene	10.000	12.315	-23.1	100	0.03
107		1,2-dichlorobenzene	10.000	11.459	-14.6	92	0.03
108		n-butylbenzene	10.000	12.102	-21.0	94	0.02
111	C	1,2-dibromo-3-chloropropane	10.000	13.614	-36.1#	104	0.02
112		undecane	10.000	11.830	-18.3	95	0.00
114		dodecane	10.000	14.214	-42.1#	103	0.00
115	C	1,2,4-trichlorobenzene	10.000	12.479	-24.8	83	0.00
116		naphthalene	10.000	14.988	-49.9#	103	0.00
117		1,2,3-trichlorobenzene	10.000	14.628	-46.3#	102	0.00
119	C	hexachlorobutadiene	10.000	12.025	-20.3	91	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 3

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-3,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.083	49	258084	10.000	ppbV	0.03
Standard Area = 258084			Recovery = 100.00%			
43) 1,4-difluorobenzene	11.300	114	704126	10.000	ppbV	0.02
Standard Area = 704126			Recovery = 100.00%			
67) chlorobenzene-D5	15.992	54	97914	10.000	ppbV	0.02
Standard Area = 97914			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.982	85	298179	12.844	ppbV	99
6) chloromethane	4.144	50	133144	10.617	ppbV	99
7) Freon-114	4.252	85	333516	13.387	ppbV	98
9) vinyl chloride	4.378	62	126845	11.723	ppbV	100
10) 1,3-butadiene	4.522	54	116529	12.411	ppbV	87
13) bromomethane	4.804	94	111597	12.066	ppbV	97
14) chloroethane	4.990	64	59214	11.589	ppbV	99
15) ethanol	5.122	31	572486	66.199	ppbV	93
17) vinyl bromide	5.373	106	111819	11.985	ppbV	99
19) acetone	5.637	43	971317	66.861	ppbV	91
21) trichlorofluoromethane	5.830	101	218894	12.057	ppbV	99
22) isopropyl alcohol	5.913	45	552150	21.833	ppbV	99
26) 1,1-dichloroethene	6.528	61	217354	12.020	ppbV	95
27) tertiary butyl alcohol	6.576	59	235455	12.490	ppbV	93
28) methylene chloride	6.672	49	197049	11.116	ppbV	98
29) 3-chloropropene	6.804	41	235037	12.122	ppbV	93
30) carbon disulfide	6.978	76	481036	10.682	ppbV	99
31) Freon 113	6.972	101	314558	12.030	ppbV	96
32) trans-1,2-dichloroethene	7.725	61	220751	12.261	ppbV	100
33) 1,1-dichloroethane	7.950	63	273405	11.494	ppbV	99
34) MTBE	8.008	73	357576	11.893	ppbV	99
36) 2-butanone	8.392	43	398940	11.729	ppbV	99
37) cis-1,2-dichloroethene	8.892	61	206660	11.831	ppbV	98
38) Ethyl Acetate	9.158	61	57791	13.042	ppbV	98
39) chloroform	9.233	83	279835	11.905	ppbV	98
40) Tetrahydrofuran	9.667	42	229038	11.440	ppbV	99
42) 1,2-dichloroethane	10.067	62	168789	12.174	ppbV	97
44) hexane	9.142	57	258970	11.943	ppbV	81

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-3,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.358	97	238818	11.707	ppbV	96
50) benzene	10.880	78	515955	10.191	ppbV	98
52) carbon tetrachloride	11.053	117	241236	12.943	ppbV	100
53) cyclohexane	11.200	56	270145	11.702	ppbV	98
56) 1,2-dichloropropane	11.827	63	189206	10.869	ppbV	99
57) bromodichloromethane	12.053	83	312472	13.048	ppbV	99
58) 1,4-dioxane	12.087	88	125652	12.270	ppbV	99
59) trichloroethene	12.100	130	240852	11.463	ppbV	99
60) 2,2,4-trimethylpentane	12.147	57	874775	12.326	ppbV	99
62) heptane	12.460	43	407731	11.820	ppbV	95
63) cis-1,3-dichloropropene	13.117	75	267811	11.436	ppbV	99
64) 4-methyl-2-pentanone	13.150	43	497551	11.913	ppbV	98
65) trans-1,3-dichloropropene	13.733	75	209703	12.397	ppbV	98
66) 1,1,2-trichloroethane	13.933	97	220210	11.156	ppbV	98
68) toluene	14.250	91	605607	10.016	ppbV	100
72) 2-hexanone	14.525	43	438452	11.385	ppbV	97
74) dibromochloromethane	14.692	129	347427	13.241	ppbV	99
75) 1,2-dibromoethane	14.942	107	330383	11.151	ppbV	99
78) tetrachloroethene	15.400	166	276107	10.900	ppbV	96
80) chlorobenzene	16.033	112	511937	10.620	ppbV	97
81) ethylbenzene	16.367	91	794232	10.495	ppbV	100
83) m+p-xylene	16.533	91	1285213	21.460	ppbV	100
84) bromoform	16.600	173	303664	13.922	ppbV	99
85) styrene	16.850	104	541694	10.936	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.942	83	493428	11.082	ppbV	99
87) o-xylene	16.950	91	665308	10.901	ppbV	98
96) 4-ethyl toluene	18.025	105	970515	11.919	ppbV	99
97) 1,3,5-trimethylbenzene	18.083	105	800283	11.369	ppbV	98
99) 1,2,4-trimethylbenzene	18.433	105	794893	11.471	ppbV	97
101) Benzyl Chloride	18.558	91	396876	13.233	ppbV	98
102) 1,3-dichlorobenzene	18.567	146	595238	11.712	ppbV	99
103) 1,4-dichlorobenzene	18.625	146	594973	11.765	ppbV	100
107) 1,2-dichlorobenzene	18.917	146	566323	11.459	ppbV	99
115) 1,2,4-trichlorobenzene	20.442	180	305049	12.479	ppbV	99
116) naphthalene	20.558	128	1125545	14.988	ppbV	100
119) hexachlorobutadiene	20.875	225	281320	12.025	ppbV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-3,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

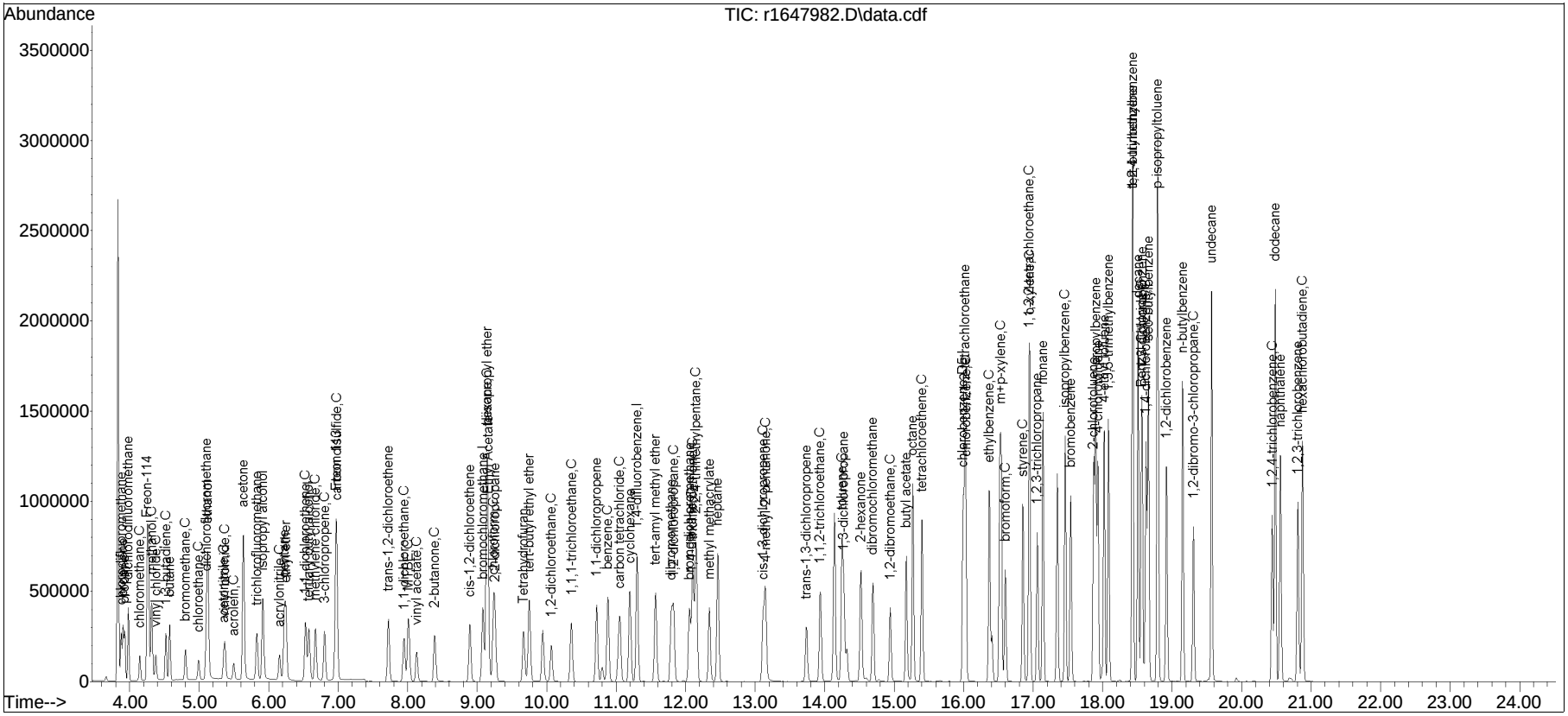
CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : Default-LCS-AP2 - All compounds listed

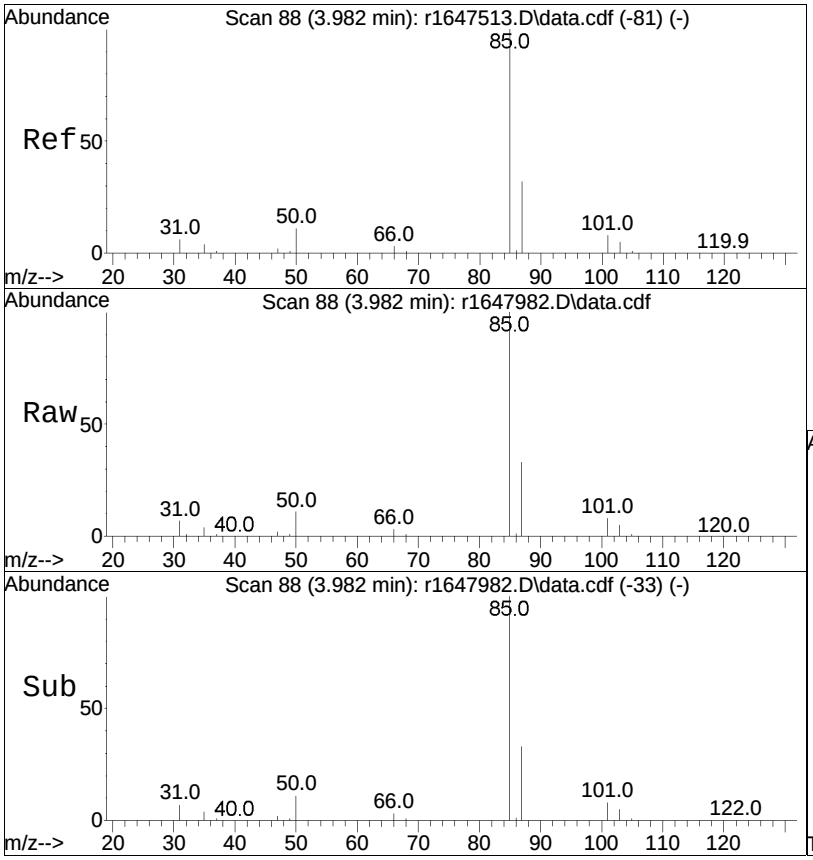
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listedr1647982.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647982.D
Acq On : 18 Jan 2025 10:58 AM
Operator : AIRLAB16:BJB
Sample : WG2021062-3,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:47:43 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

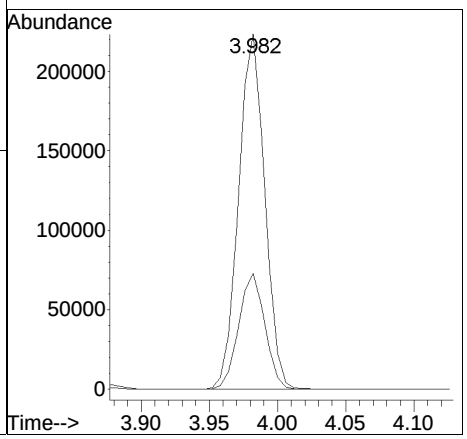


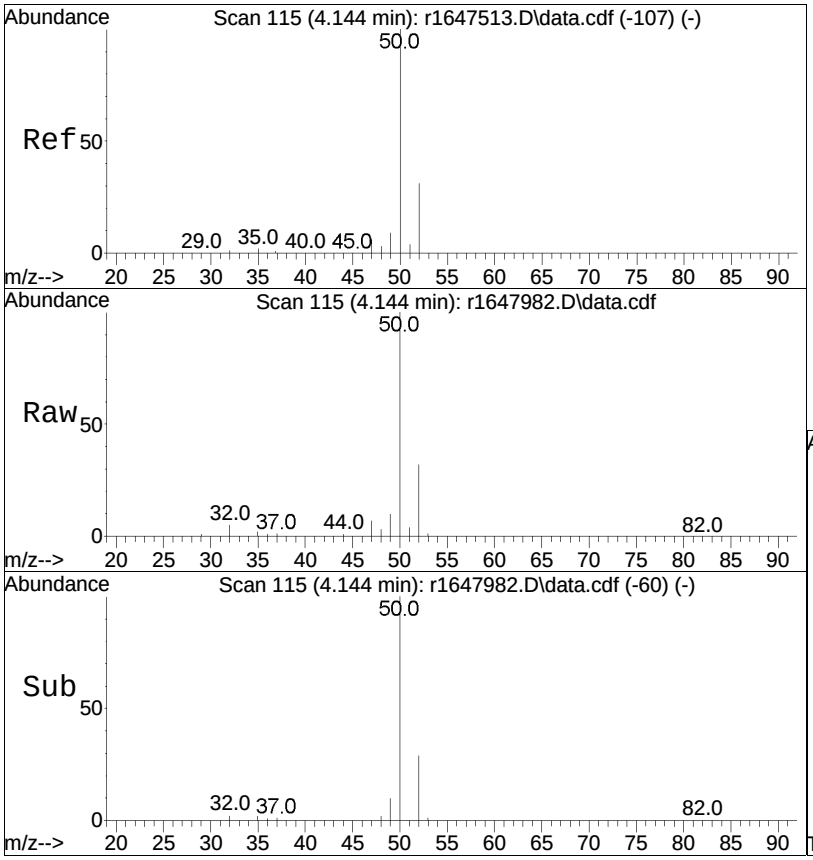


#5
dichlorodifluoromethane
Concen: 12.84 ppbV
RT: 3.982 min Scan# 88
Delta R.T. 0.000 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 85 Resp: 298179

Ion	Ratio	Lower	Upper
85	100		
87	32.7	25.5	38.3

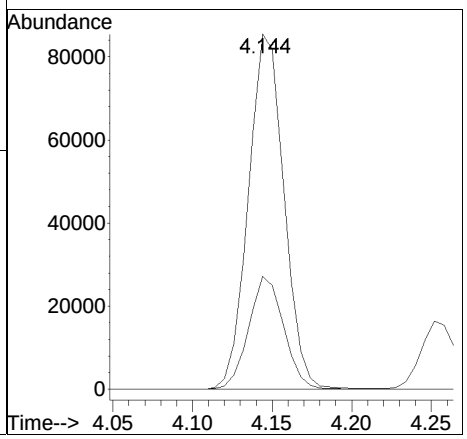


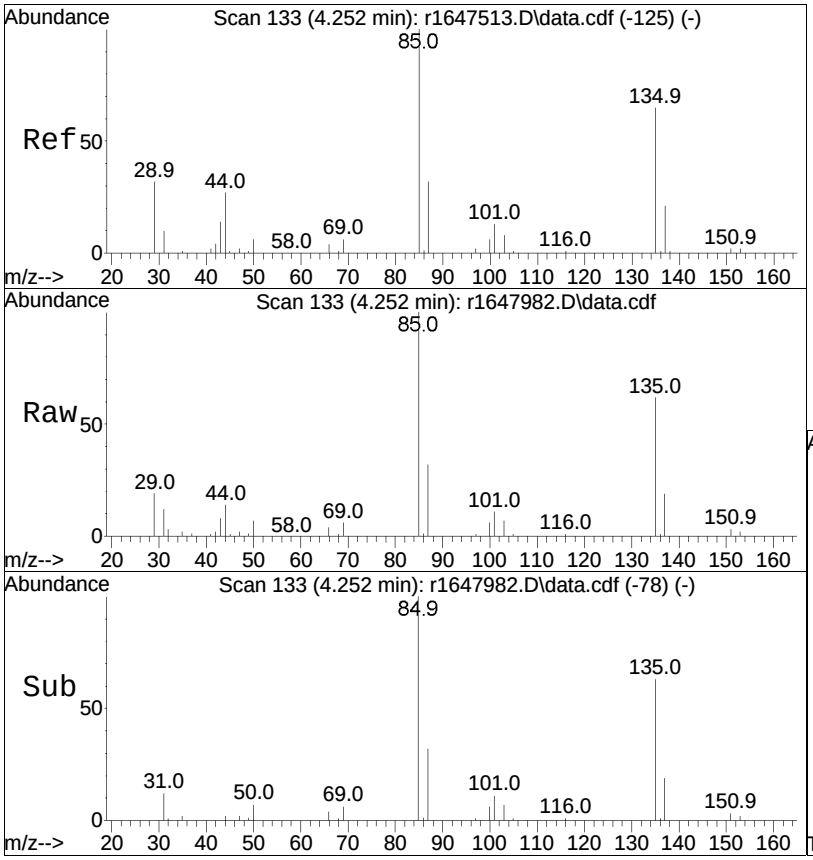


#6
chloromethane
Concen: 10.62 ppbV
RT: 4.144 min Scan# 115
Delta R.T. 0.000 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 50 Resp: 133144

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.2	37.8

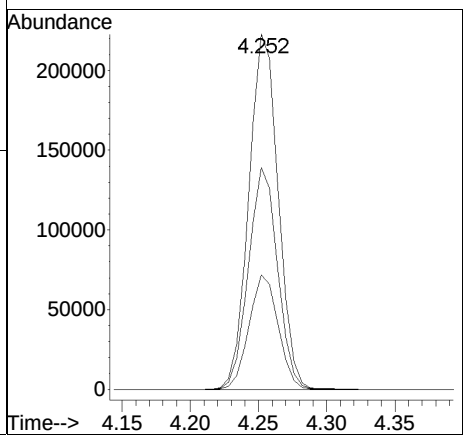


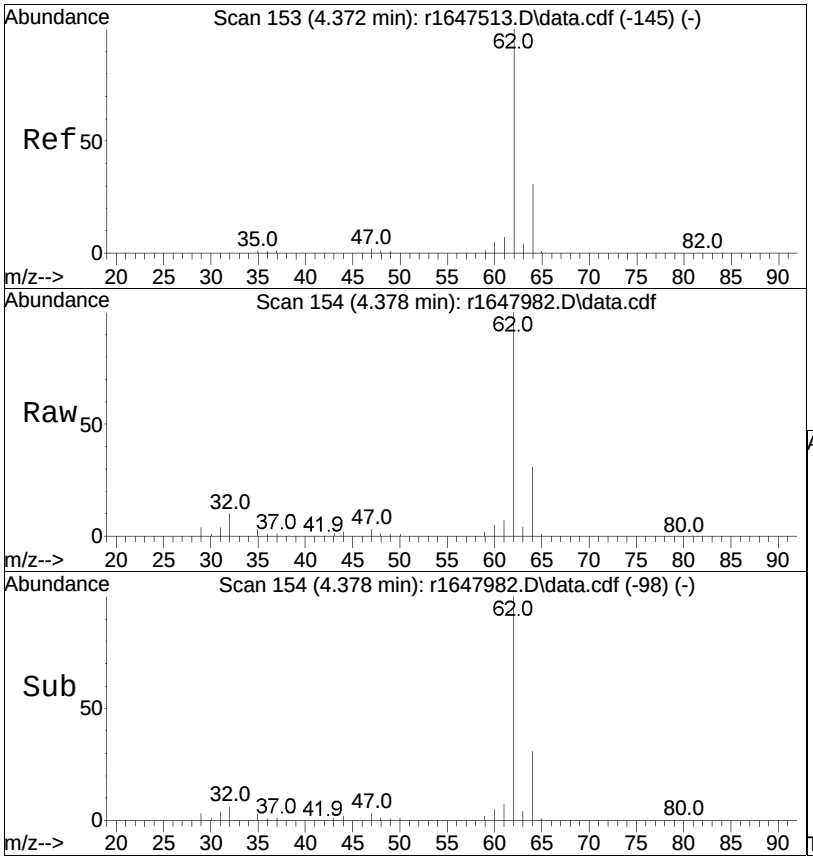


#7
Freon-114
Concen: 13.39 ppbV
RT: 4.252 min Scan# 133
Delta R.T. 0.000 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 85 Resp: 333516

Ion	Ratio	Lower	Upper
85	100		
87	32.2	25.3	37.9
135	62.5	51.8	77.8

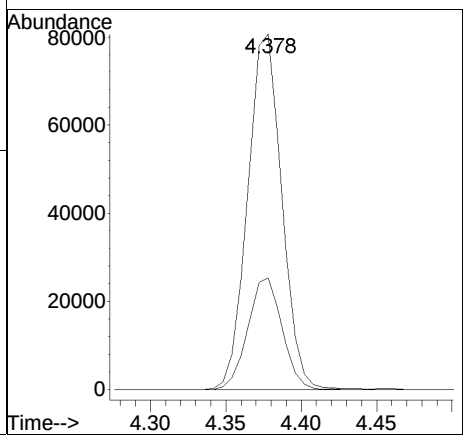


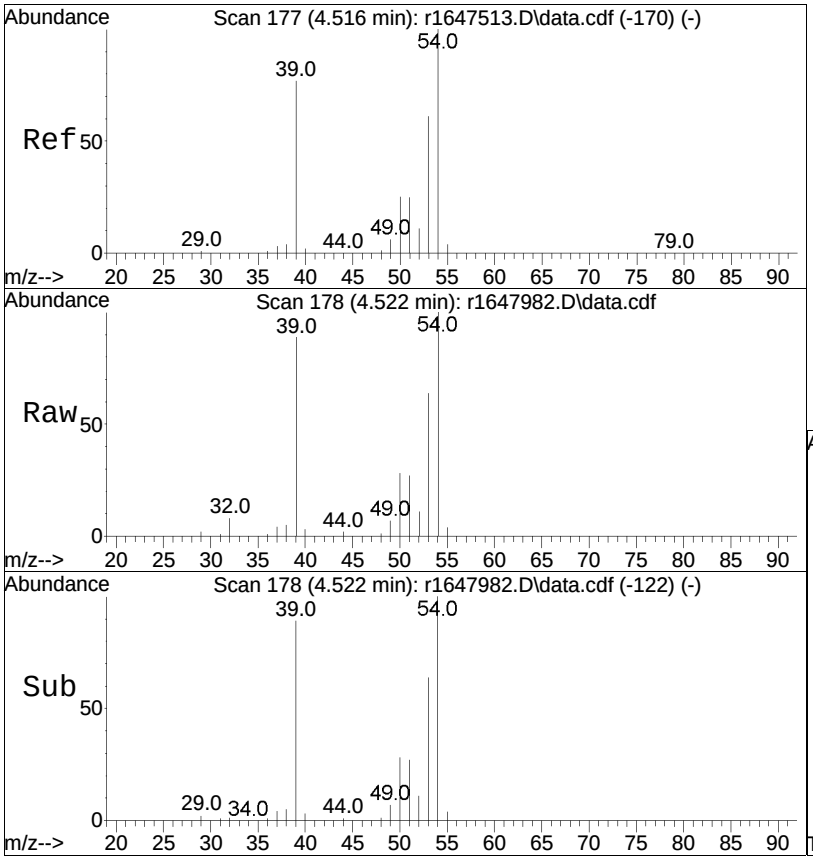


#9
vinyl chloride
Concen: 11.72 ppbV
RT: 4.378 min Scan# 154
Delta R.T. 0.006 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 62 Resp: 126845

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.2	37.8

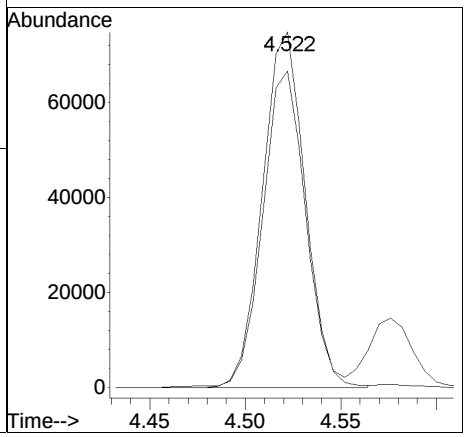


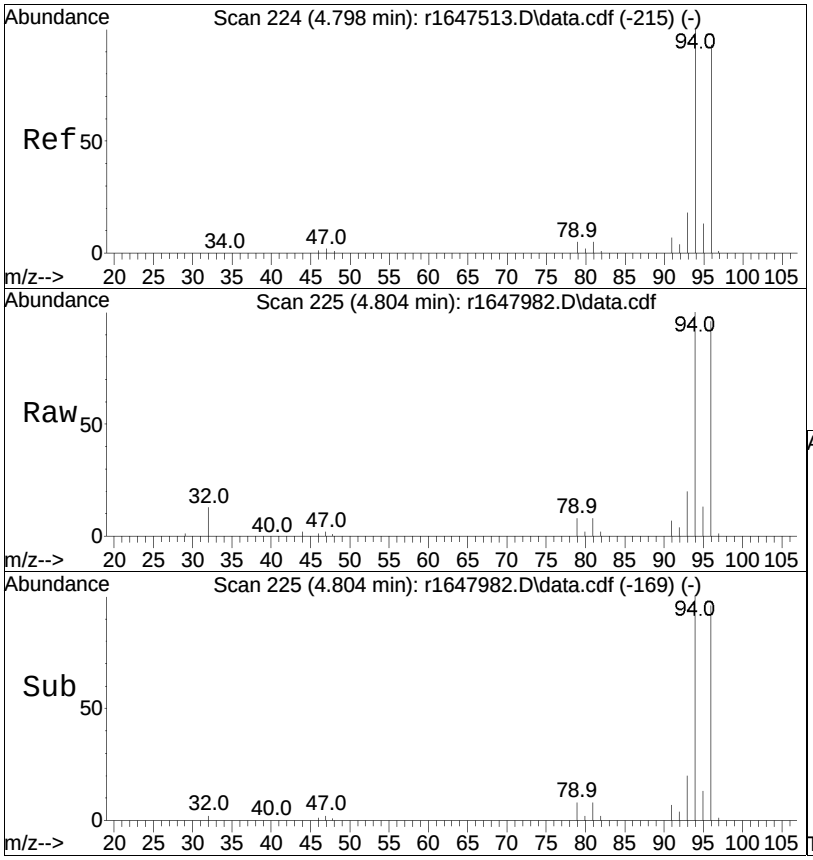


#10
1,3-butadiene
Concen: 12.41 ppbV
RT: 4.522 min Scan# 178
Delta R.T. 0.006 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 54 Resp: 116529

Ion	Ratio	Lower	Upper
54	100		
39	89.0	62.5	93.7

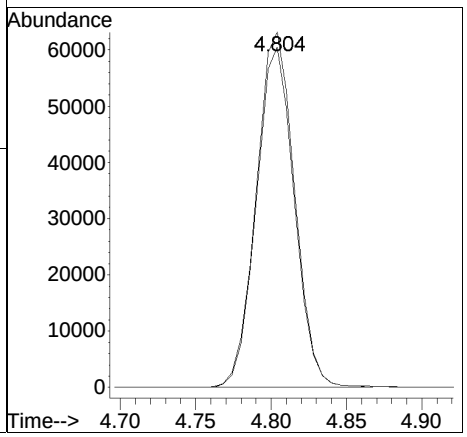


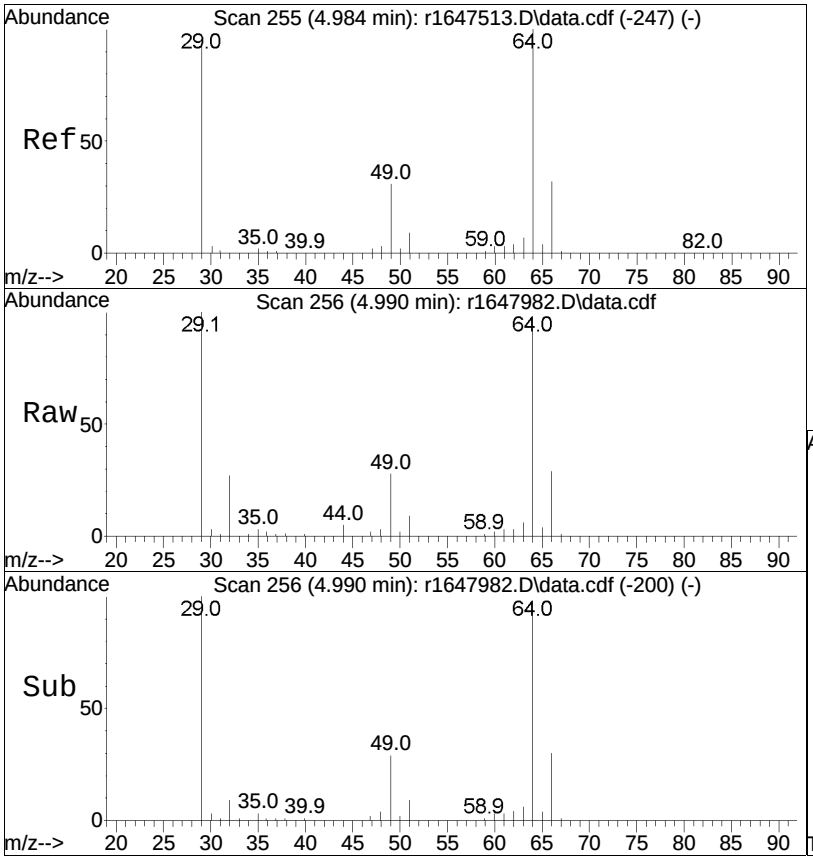


#13
bromomethane
Concen: 12.07 ppbV
RT: 4.804 min Scan# 225
Delta R.T. 0.006 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 94 Resp: 111597

Ion	Ratio	Lower	Upper
94	100		
96	95.8	74.3	111.5

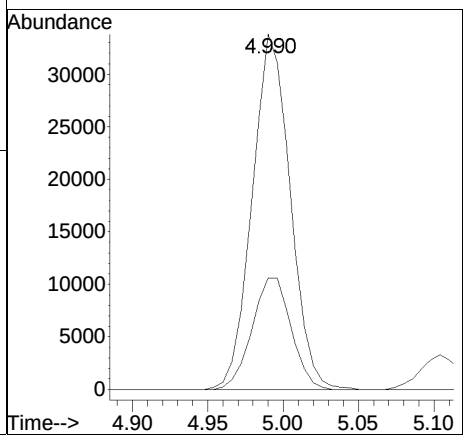


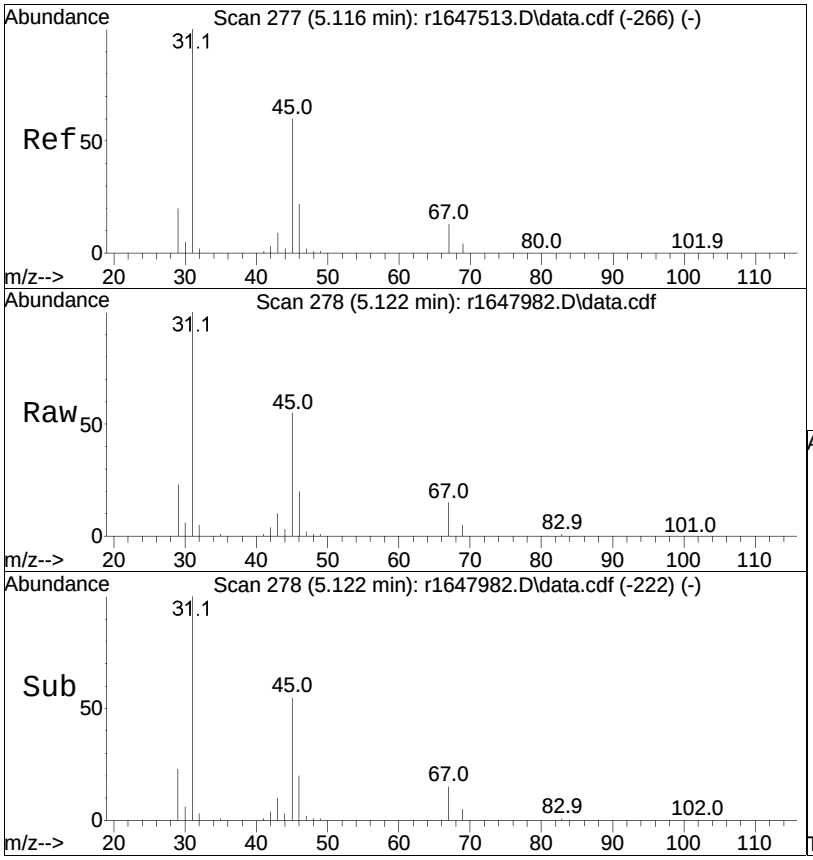


#14
chloroethane
Concen: 11.59 ppbV
RT: 4.990 min Scan# 256
Delta R.T. 0.006 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 64 Resp: 59214

Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.5	38.3

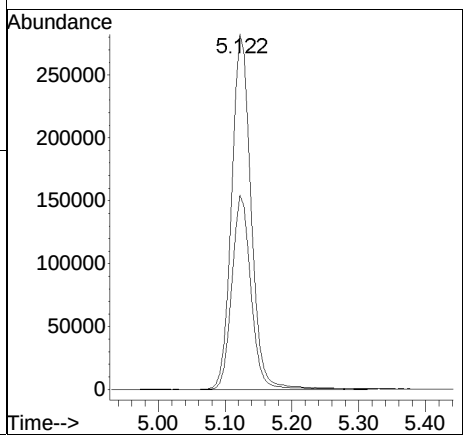


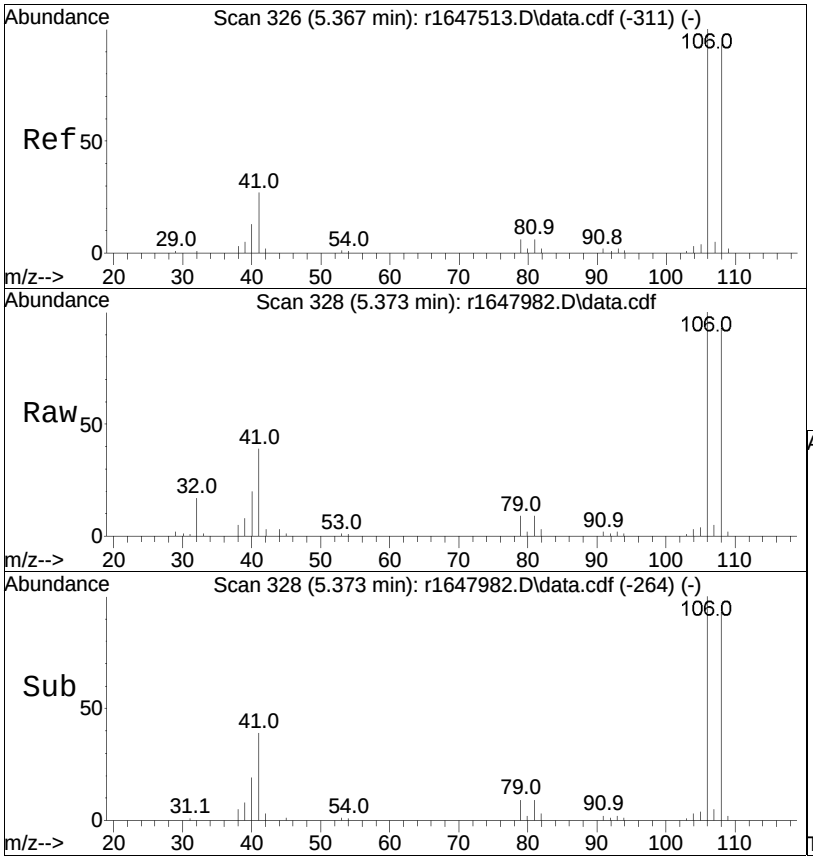


#15
ethanol
Concen: 66.20 ppbV
RT: 5.122 min Scan# 278
Delta R.T. 0.006 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 31 Resp: 572486

Ion	Ratio	Lower	Upper
31	100		
45	54.7	47.8	71.8

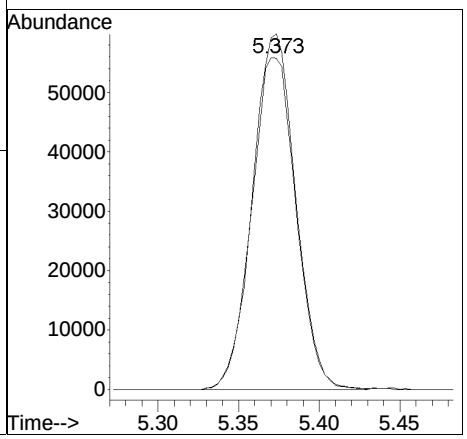


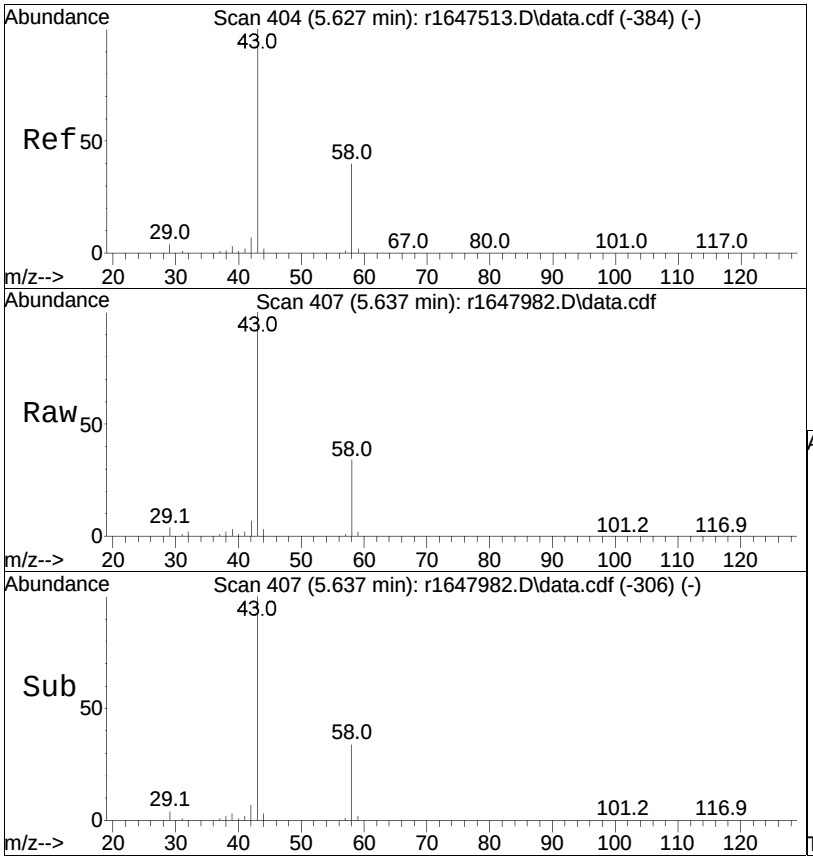


#17
vinyl bromide
Concen: 11.99 ppbV
RT: 5.373 min Scan# 328
Delta R.T. 0.007 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:106 Resp: 111819

Ion	Ratio	Lower	Upper
106	100		
108	93.2	75.1	112.7

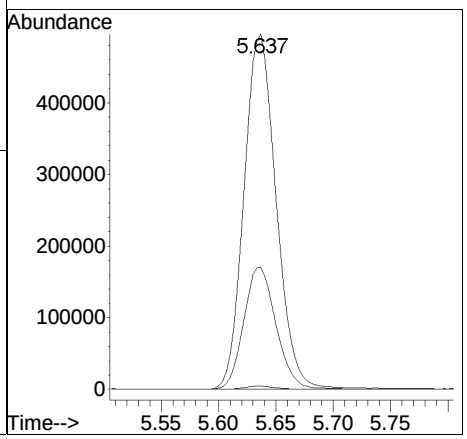


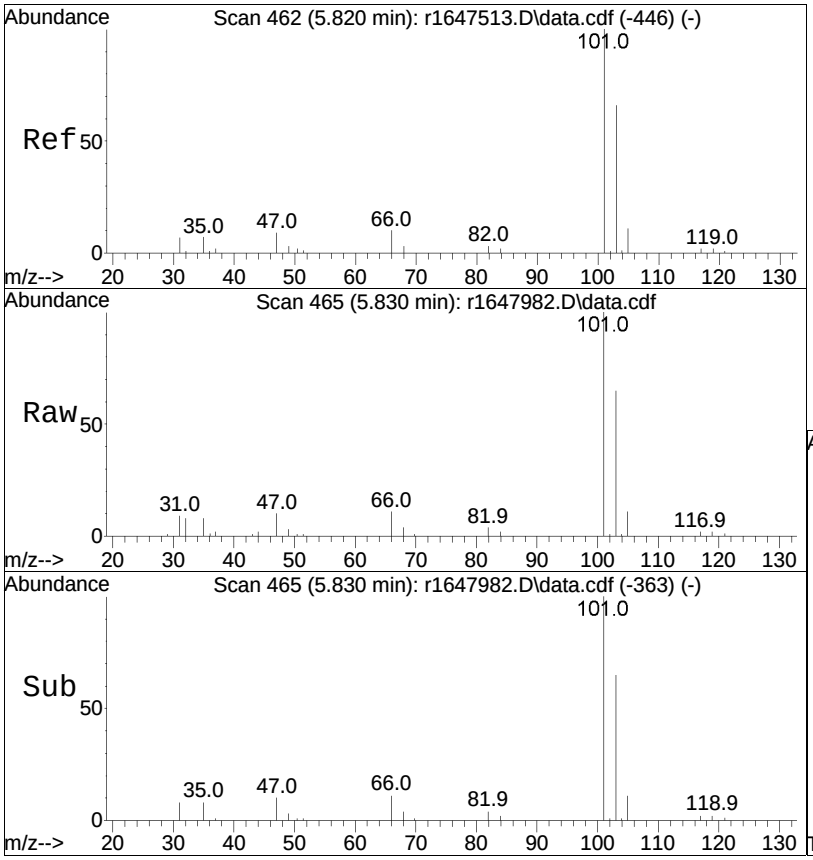


#19
acetone
Concen: 66.86 ppbV
RT: 5.637 min Scan# 407
Delta R.T. 0.010 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 43 Resp: 971317

Ion	Ratio	Lower	Upper
43	100		
58	34.4	32.1	48.1
57	0.9	0.9	1.3

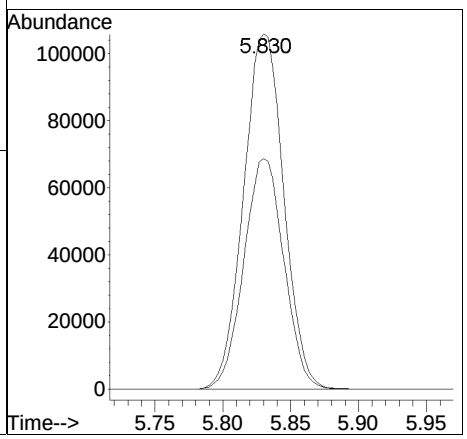


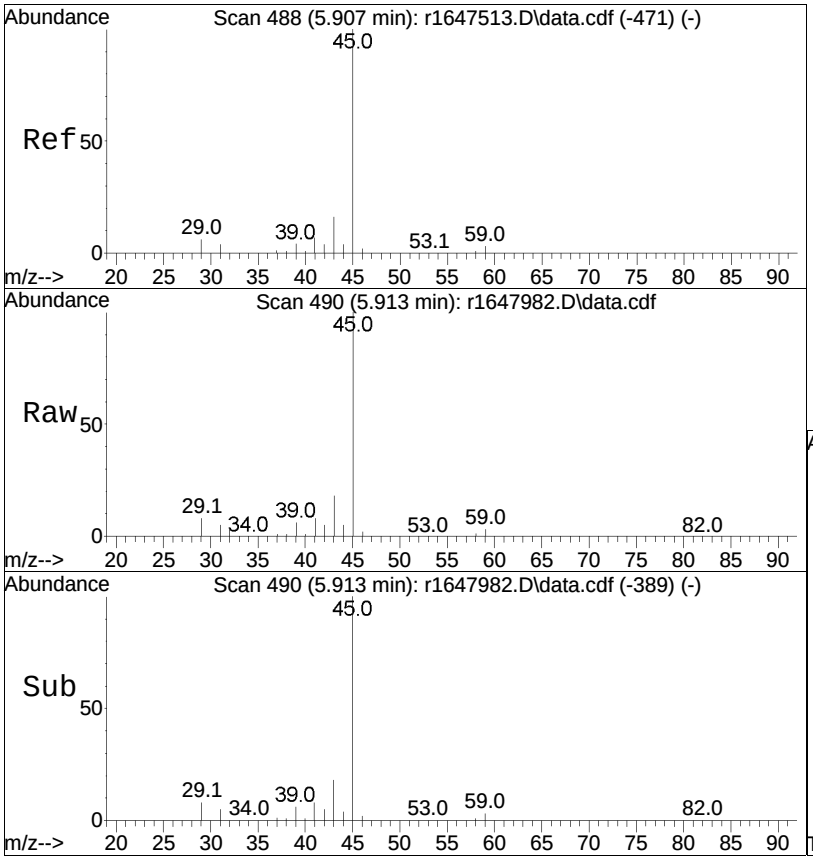


#21
trichlorofluoromethane
Concen: 12.06 ppbV
RT: 5.830 min Scan# 465
Delta R.T. 0.010 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:101 Resp: 218894

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.6	78.8

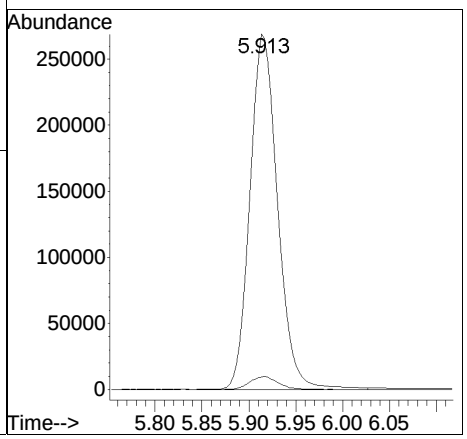


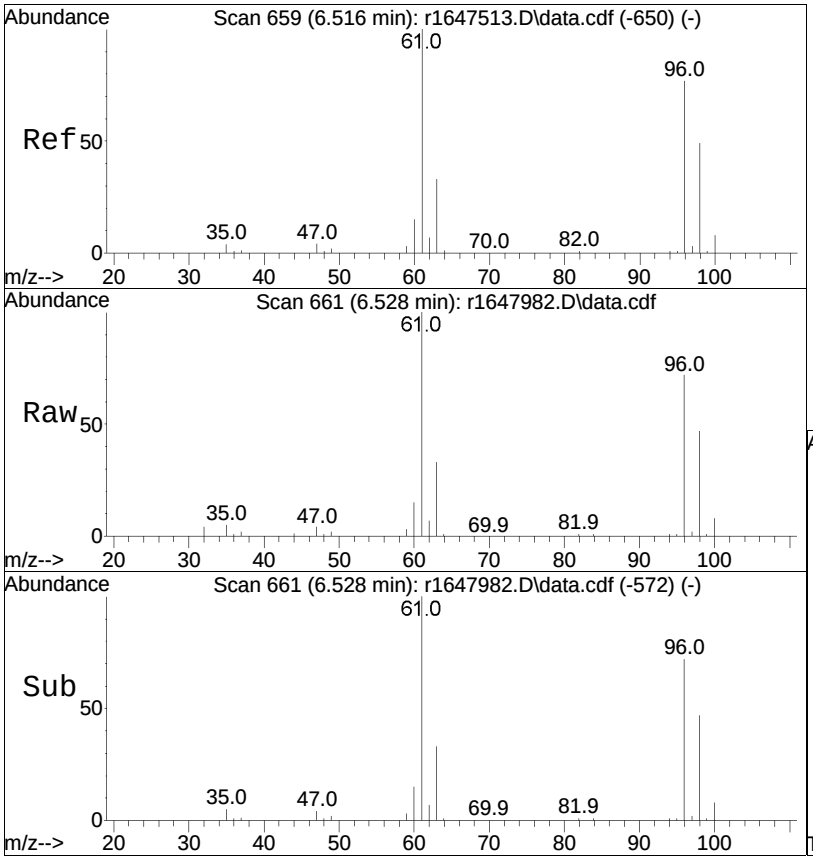


#22
isopropyl alcohol
Concen: 21.83 ppbV
RT: 5.913 min Scan# 490
Delta R.T. 0.007 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 45 Resp: 552150

Ion	Ratio	Lower	Upper
45	100		
59	3.5	2.5	3.7

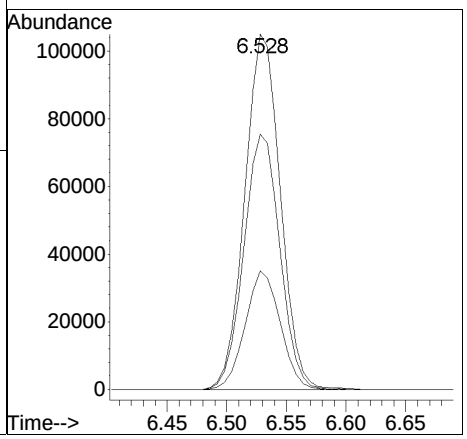


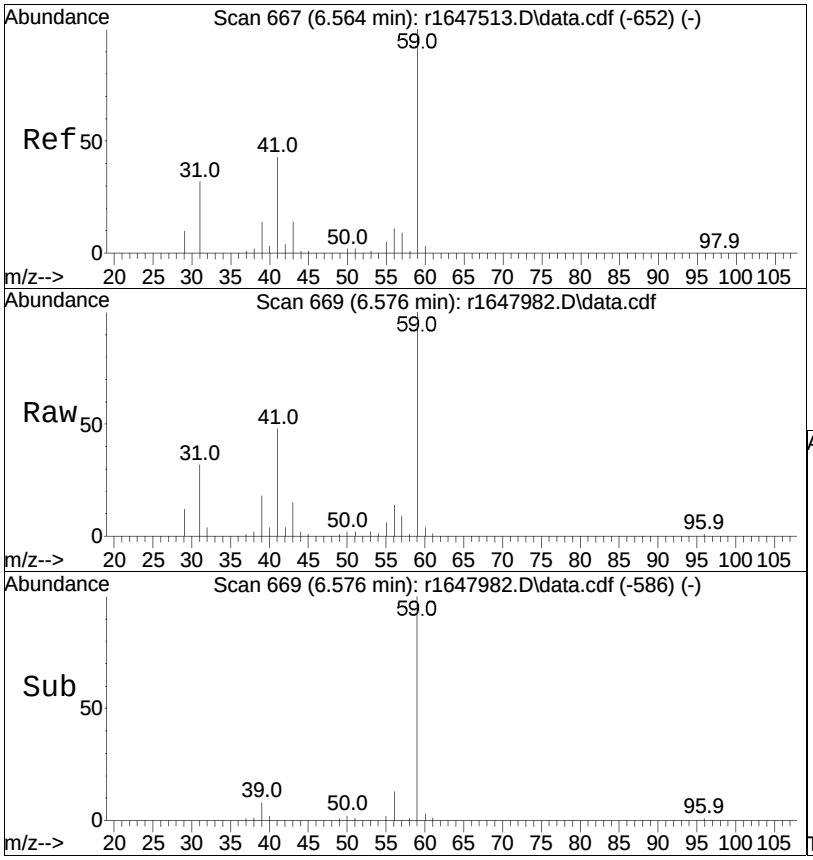


#26
1,1-dichloroethene
Concen: 12.02 ppbV
RT: 6.528 min Scan# 661
Delta R.T. 0.012 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 61 Resp: 217354

Ion	Ratio	Lower	Upper
61	100		
96	71.8	62.0	93.0
63	33.4	26.6	39.8

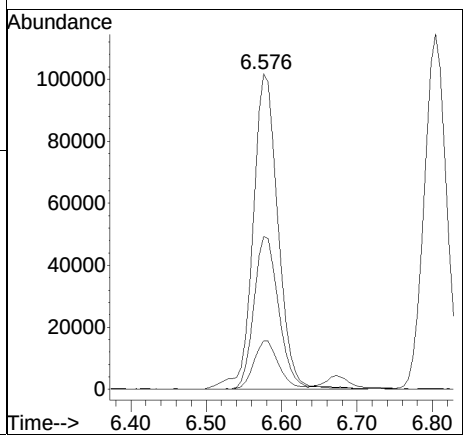


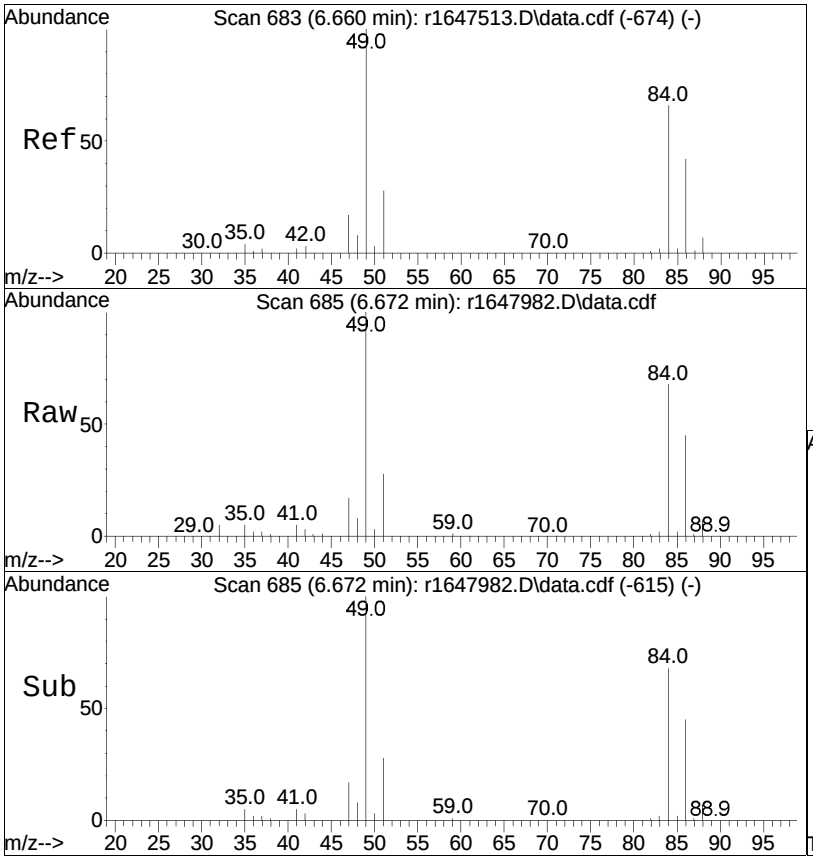


#27
tertiary butyl alcohol
Concen: 12.49 ppbV
RT: 6.576 min Scan# 669
Delta R.T. 0.012 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 59 Resp: 235455

Ion	Ratio	Lower	Upper
59	100		
41	48.5	34.6	52.0
43	15.4	11.4	17.2

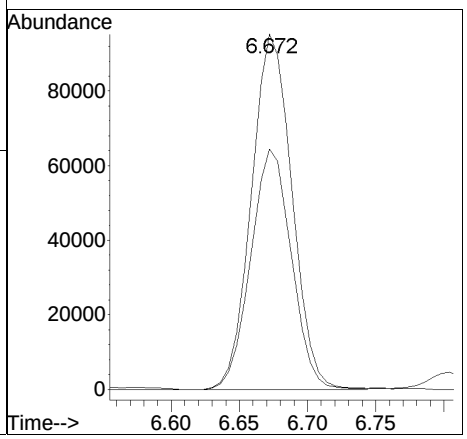


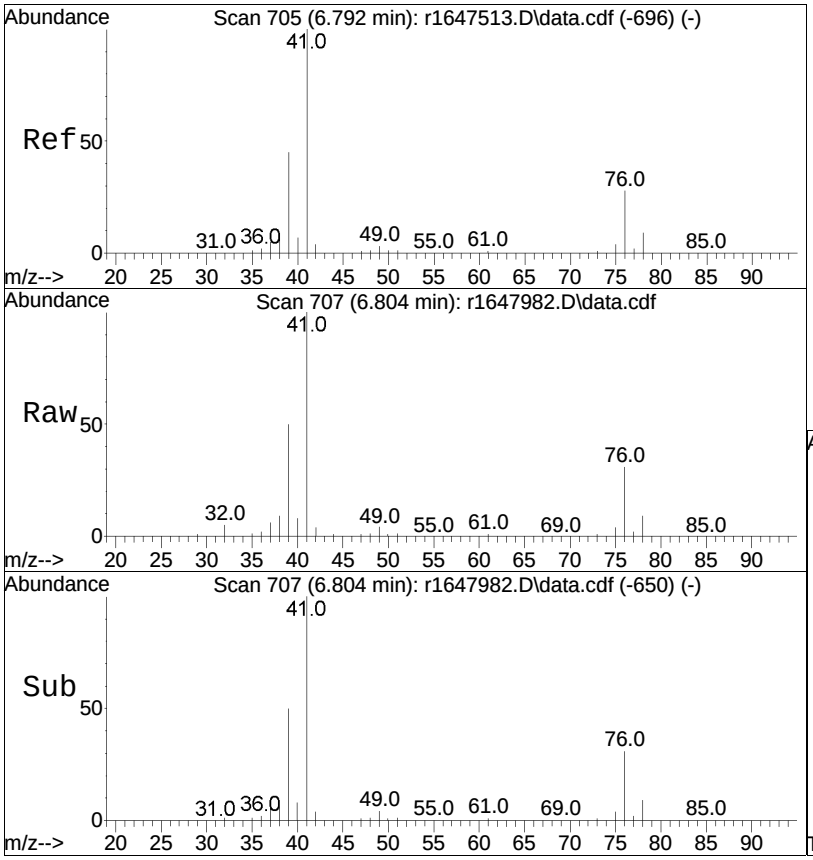


#28
methylene chloride
Concen: 11.12 ppbV
RT: 6.672 min Scan# 685
Delta R.T. 0.012 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 49 Resp: 197049

Ion	Ratio	Lower	Upper
49	100		
84	67.7	52.6	78.8

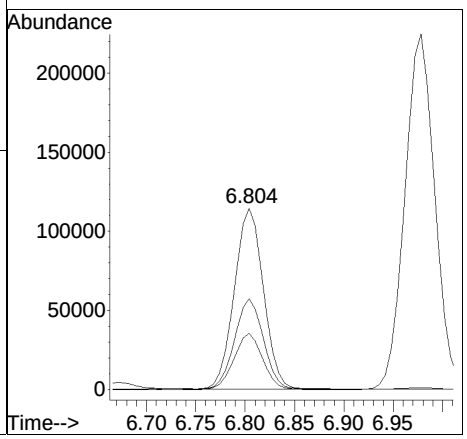


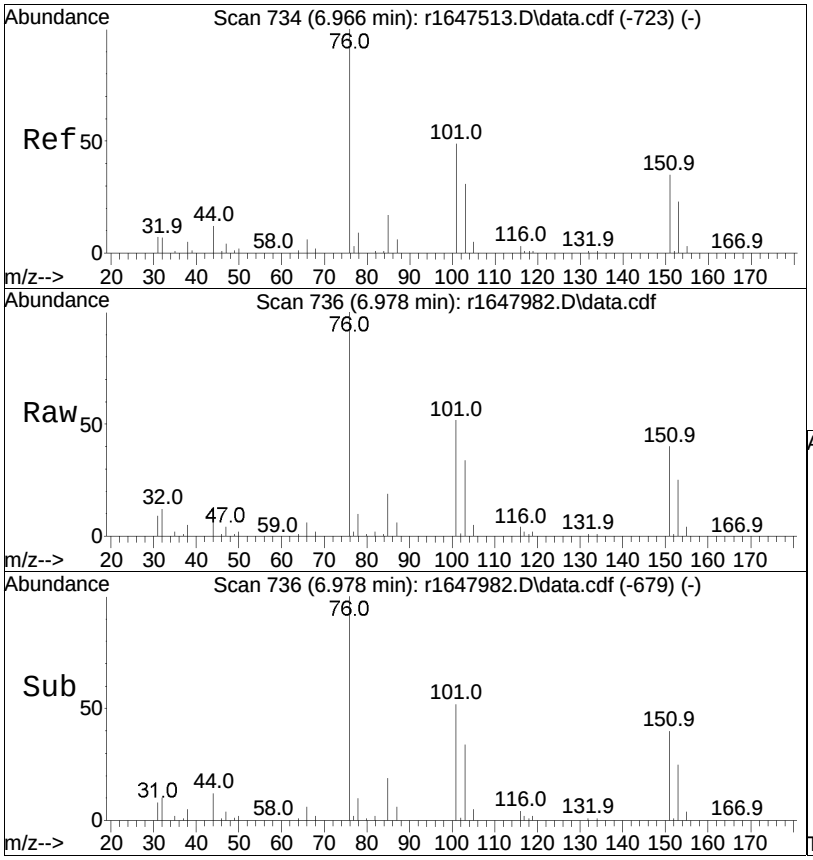


#29
3-chloropropene
Concen: 12.12 ppbV
RT: 6.804 min Scan# 707
Delta R.T. 0.012 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 41 Resp: 235037

Ion	Ratio	Lower	Upper
41	100		
39	50.2	35.9	53.9
76	31.0	22.6	33.8

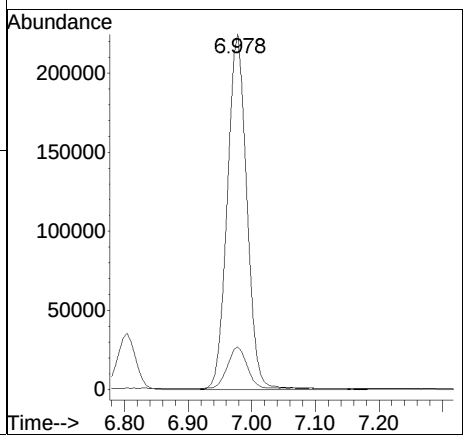


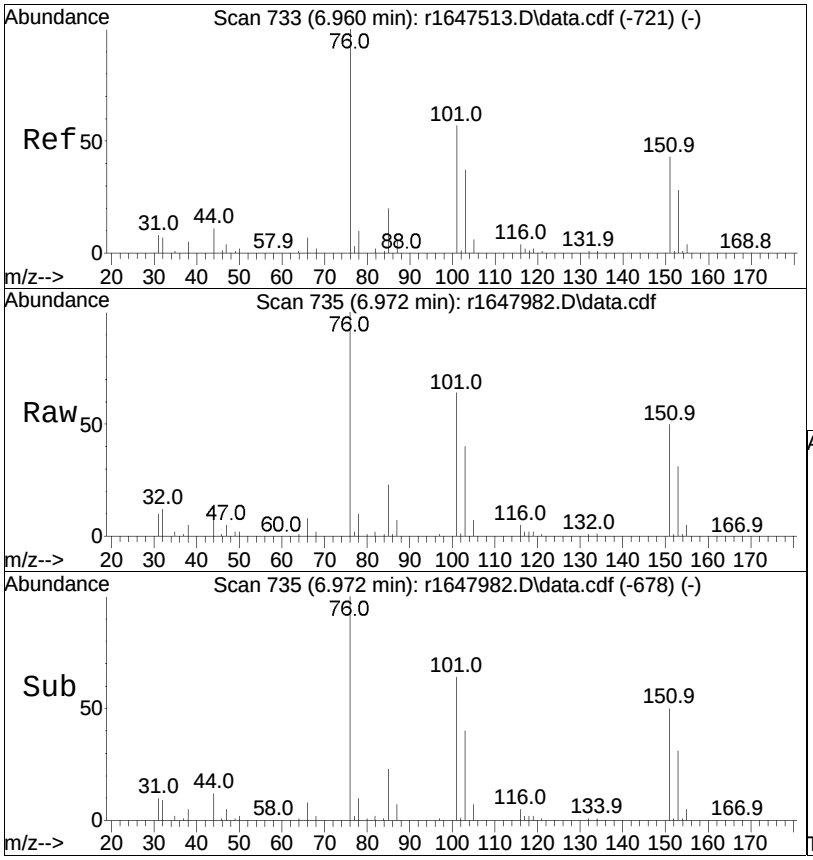


#30
carbon disulfide
Concen: 10.68 ppbV
RT: 6.978 min Scan# 736
Delta R.T. 0.012 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 76 Resp: 481036

Ion	Ratio	Lower	Upper
76	100		
44	12.0	9.8	14.6

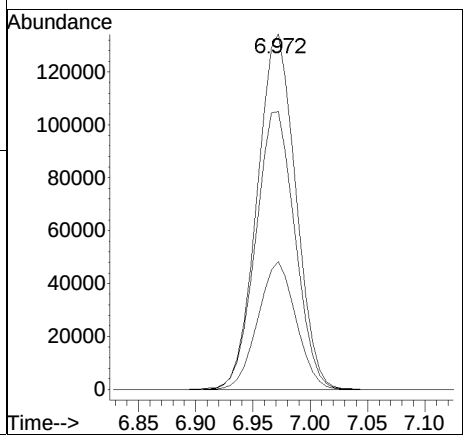


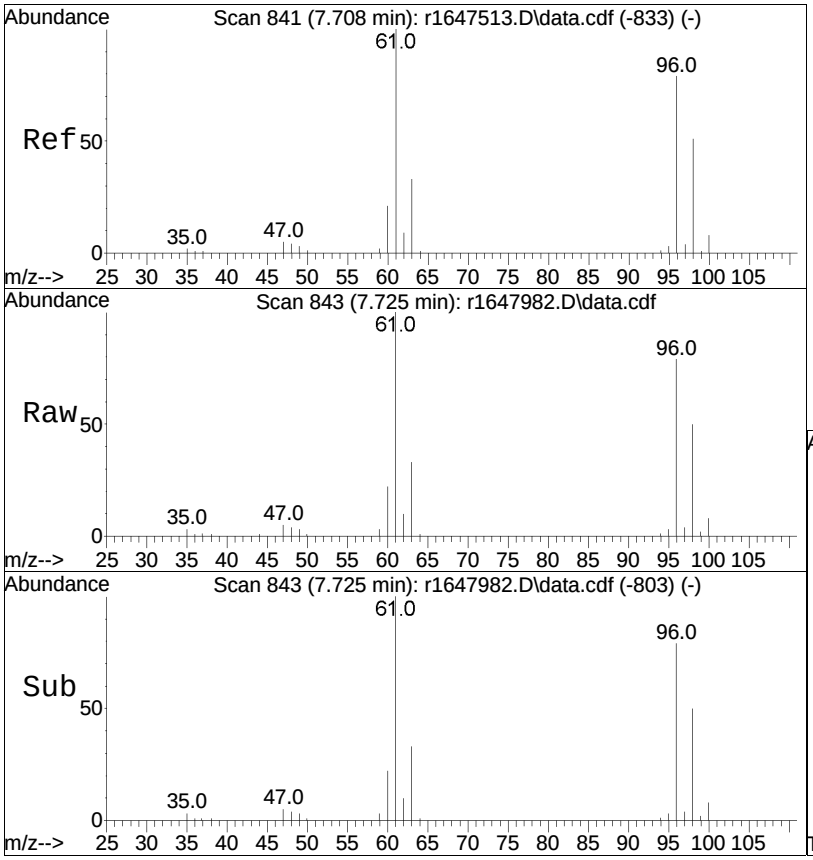


#31
Freon 113
Concen: 12.03 ppbV
RT: 6.972 min Scan# 735
Delta R.T. 0.012 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:101 Resp: 314558

Ion	Ratio	Lower	Upper
101	100		
85	36.0	28.0	42.0
151	78.2	59.4	89.2

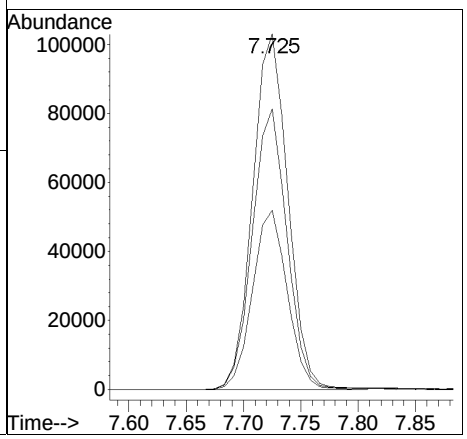


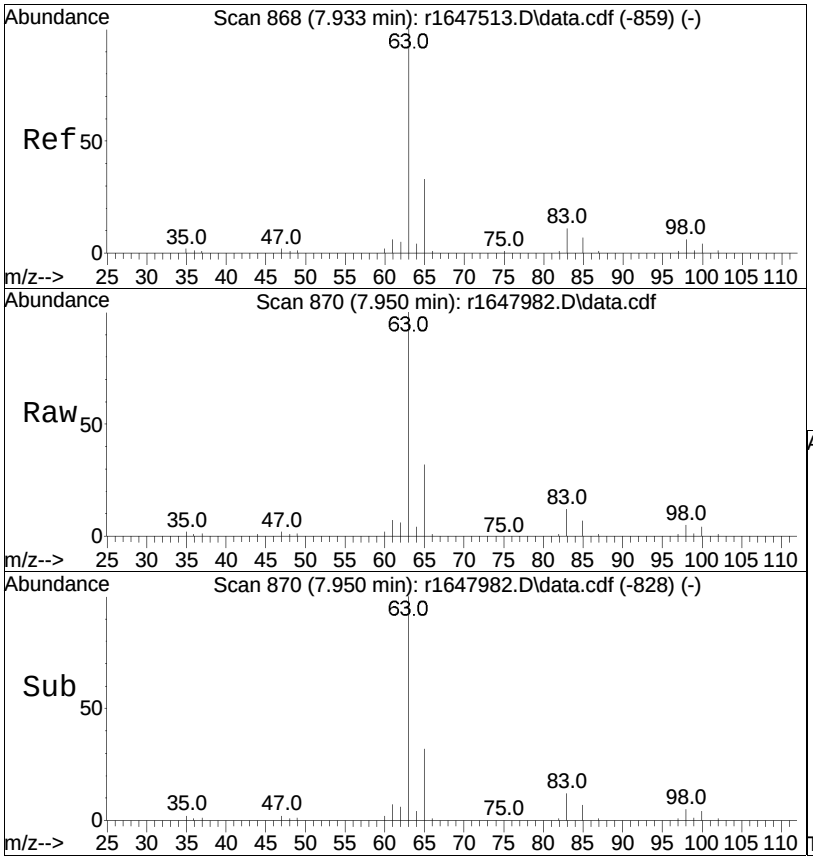


#32
trans-1,2-dichloroethene
Concen: 12.26 ppbV
RT: 7.725 min Scan# 843
Delta R.T. 0.017 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 61 Resp: 220751

Ion	Ratio	Lower	Upper
61	100		
96	79.0	63.0	94.4
98	50.4	40.6	60.8

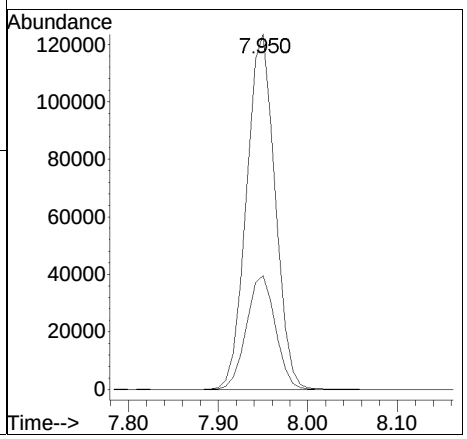


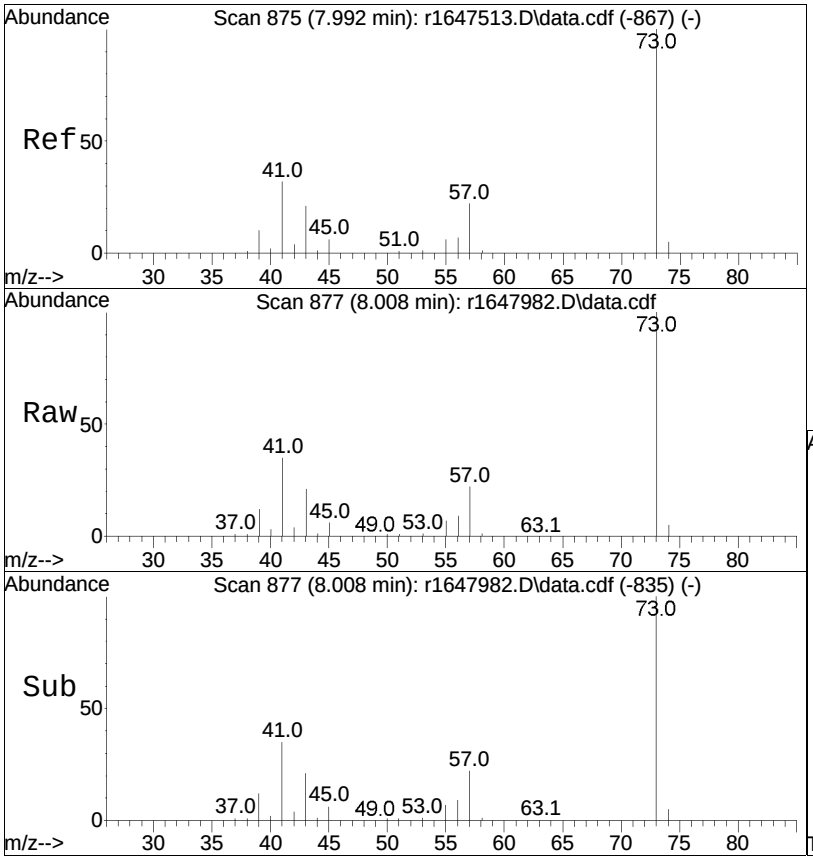


#33
1,1-dichloroethane
Concen: 11.49 ppbV
RT: 7.950 min Scan# 870
Delta R.T. 0.017 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 63 Resp: 273405

Ion	Ratio	Lower	Upper
63	100		
65	32.0	26.1	39.1

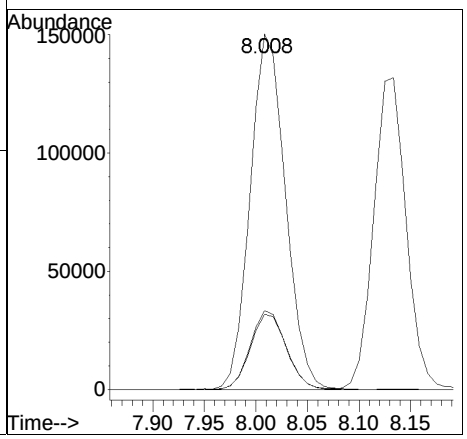


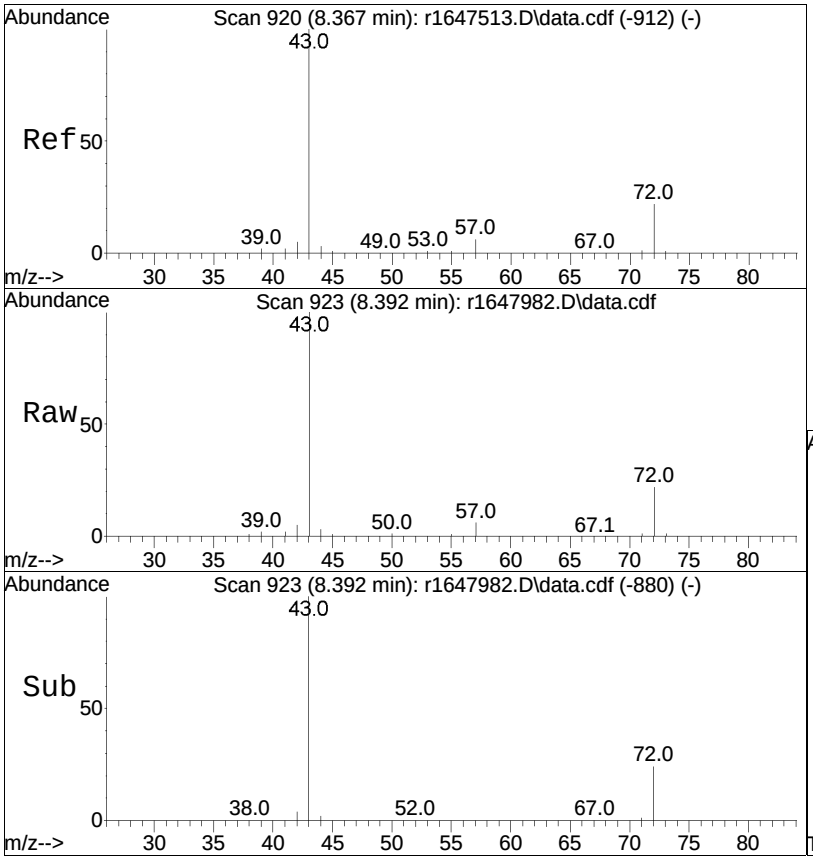


#34
MTBE
Concen: 11.89 ppbV
RT: 8.008 min Scan# 877
Delta R.T. 0.017 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 73 Resp: 357576

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.2	25.8
43	21.1	16.6	25.0

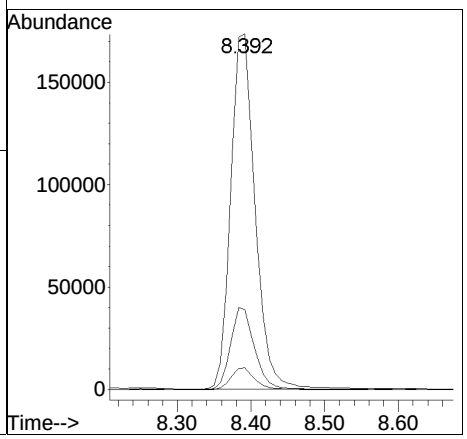


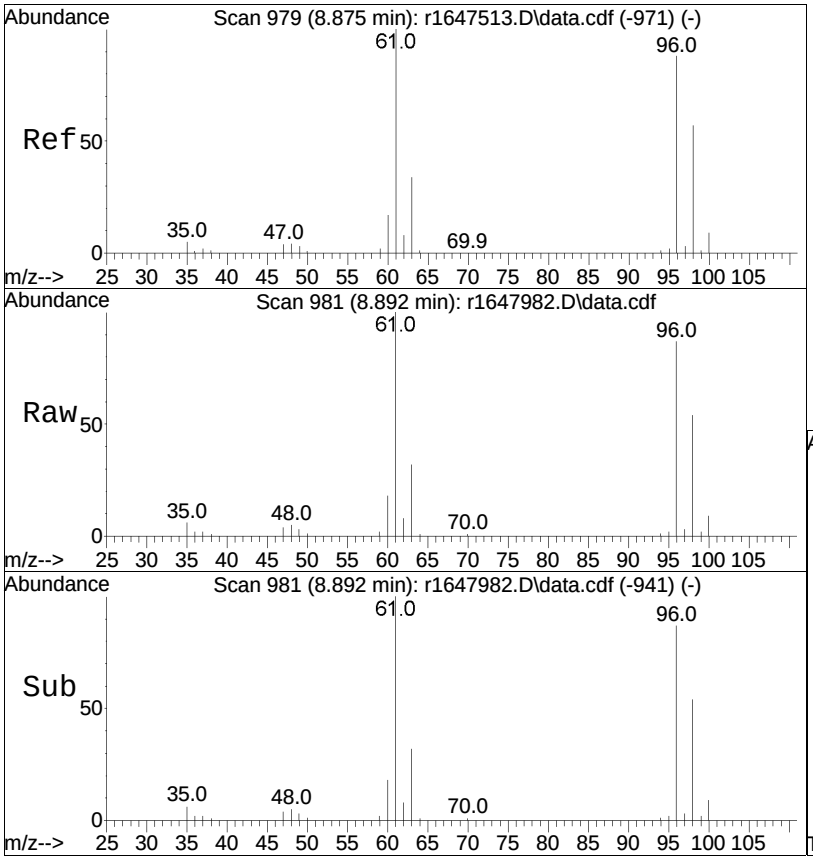


#36
2-butanone
Concen: 11.73 ppbV
RT: 8.392 min Scan# 923
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 43 Resp: 398940

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.7	26.5
57	6.0	4.6	6.8

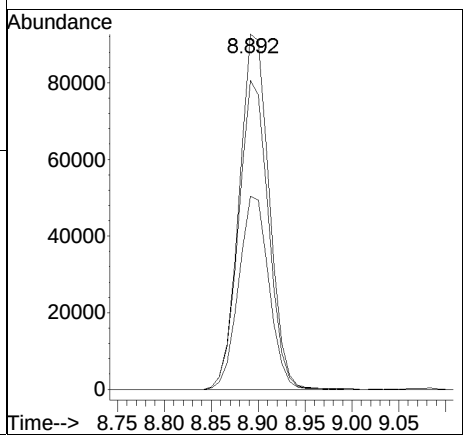


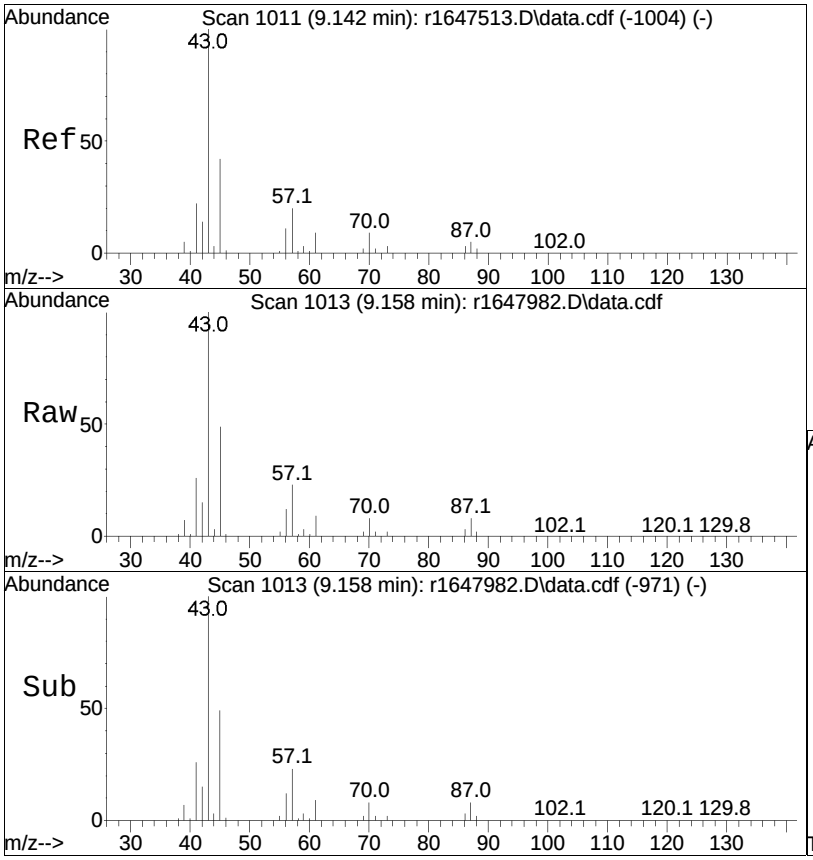


#37
cis-1,2-dichloroethene
Concen: 11.83 ppbV
RT: 8.892 min Scan# 981
Delta R.T. 0.017 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 61 Resp: 206660

Ion	Ratio	Lower	Upper
61	100		
96	86.9	70.3	105.5
98	54.4	45.6	68.4

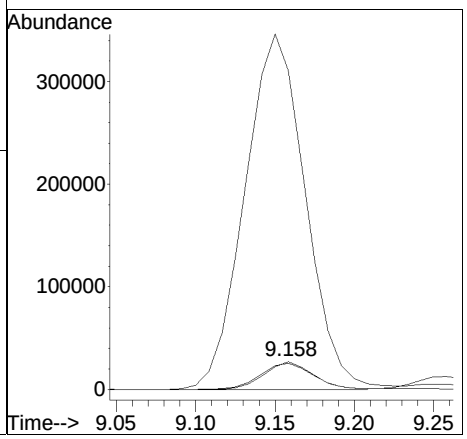


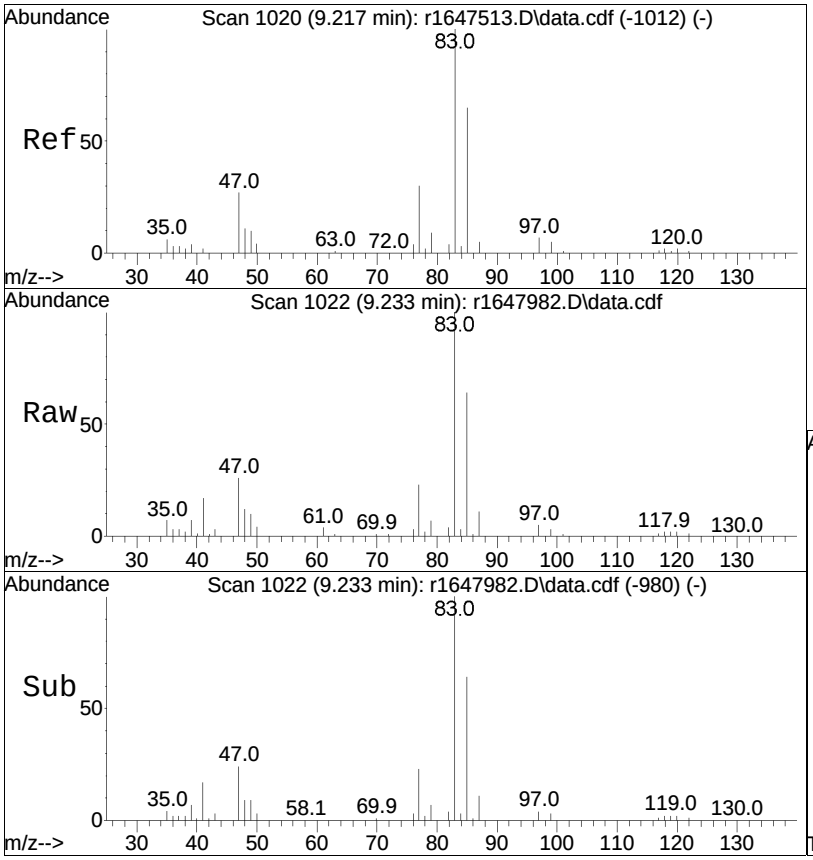


#38
Ethyl Acetate
Concen: 13.04 ppbV
RT: 9.158 min Scan# 1013
Delta R.T. 0.017 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 61 Resp: 57791

Ion	Ratio	Lower	Upper
61	100		
70	94.5	80.3	120.5
43	1147.0	925.3	1387.9

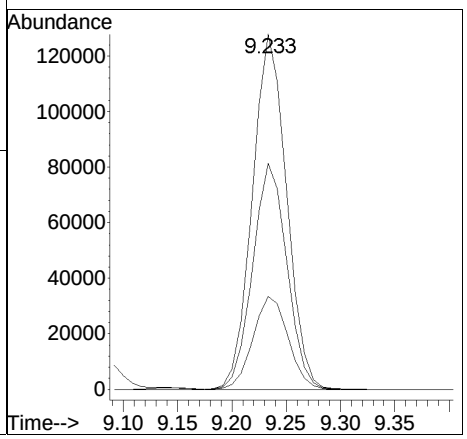


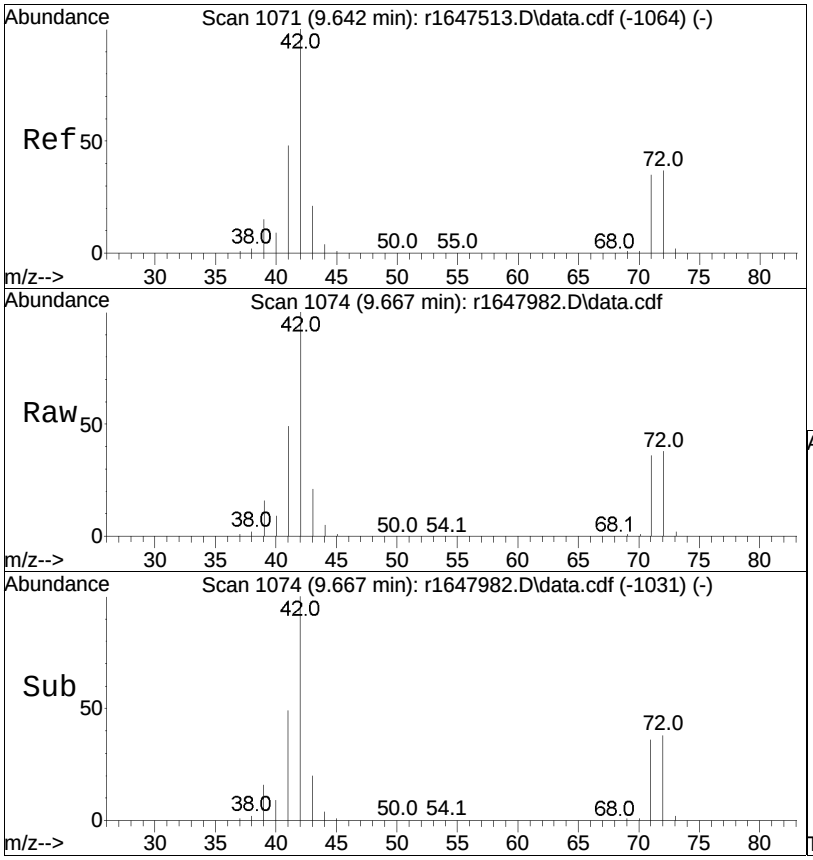


#39
chloroform
Concen: 11.91 ppbV
RT: 9.233 min Scan# 1022
Delta R.T. 0.017 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 83 Resp: 279835

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6
47	26.1	21.7	32.5

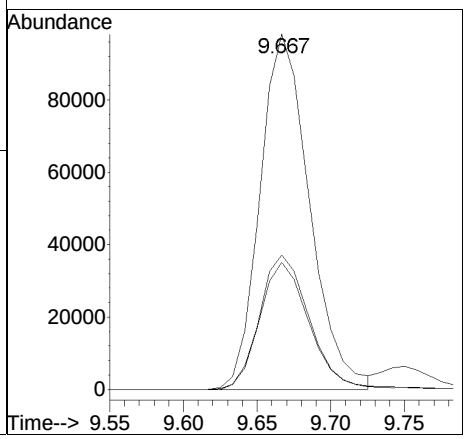


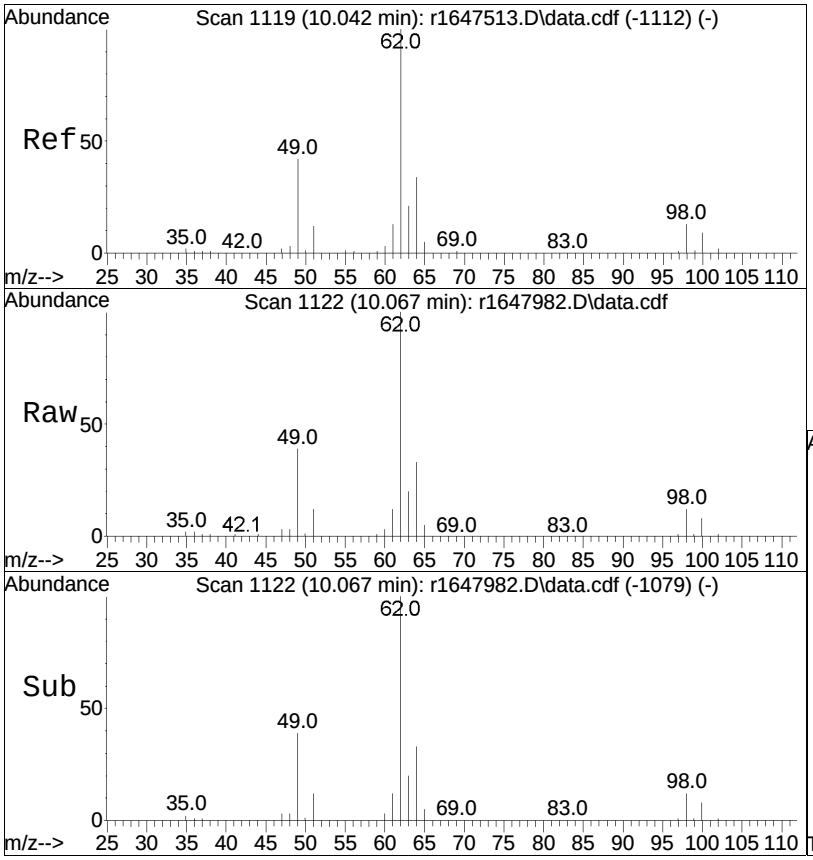


#40
Tetrahydrofuran
Concen: 11.44 ppbV
RT: 9.667 min Scan# 1074
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 42 Resp: 229038

Ion	Ratio	Lower	Upper
42	100		
71	35.8	28.2	42.2
72	37.8	29.8	44.6

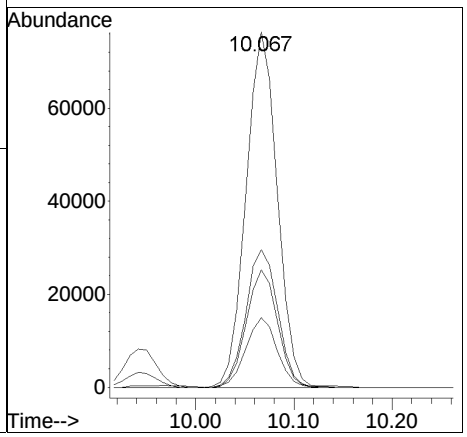


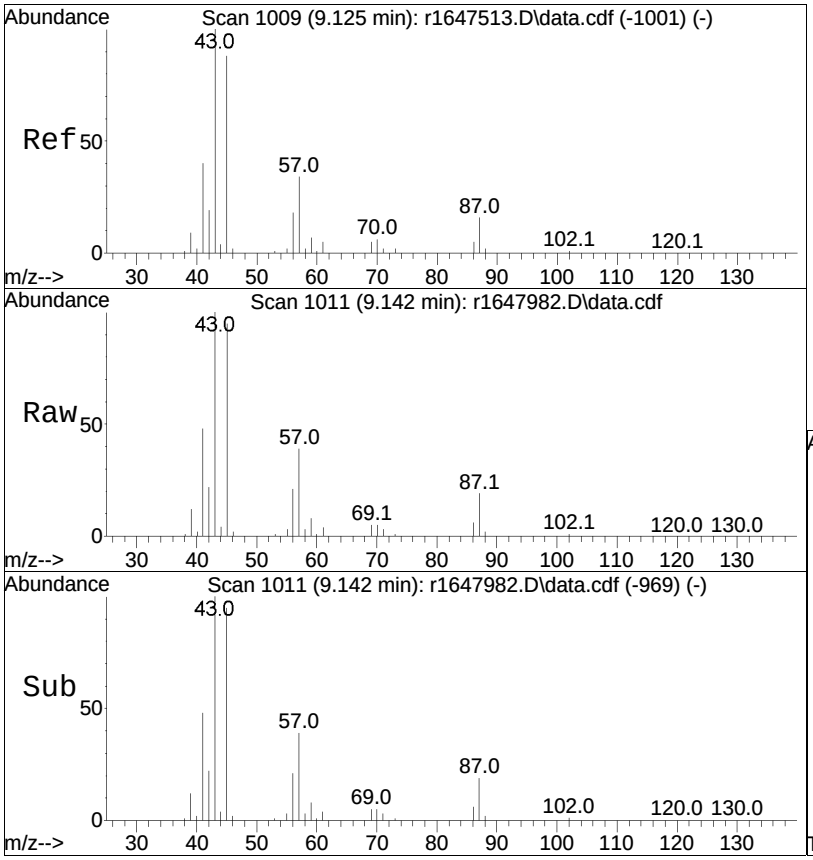


#42
1,2-dichloroethane
Concen: 12.17 ppbV
RT: 10.067 min Scan# 1122
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 62 Resp: 168789

Ion	Ratio	Lower	Upper
62	100		
64	33.1	26.9	40.3
49	38.8	33.8	50.8
63	19.6	16.9	25.3

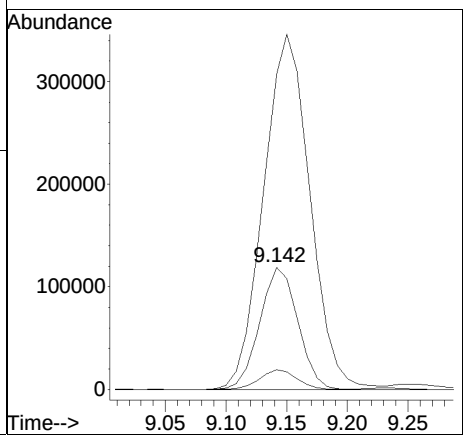


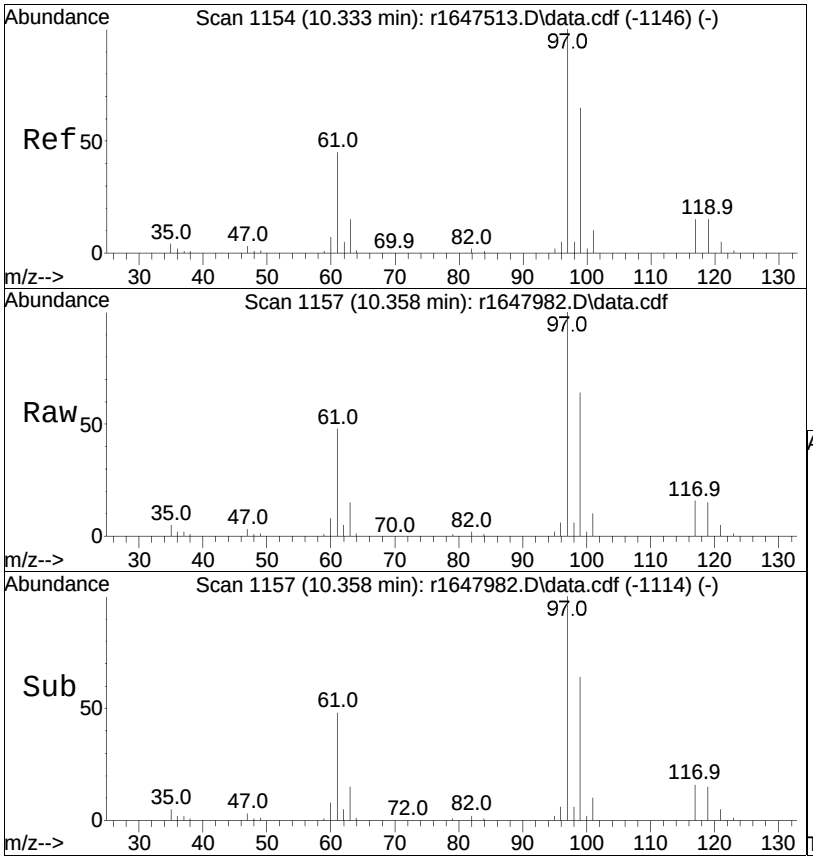


#44
hexane
Concen: 11.94 ppbV
RT: 9.142 min Scan# 1011
Delta R.T. 0.017 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 57 Resp: 258970

Ion	Ratio	Lower	Upper
57	100		
43	258.4	238.6	357.8
86	16.2	12.3	18.5

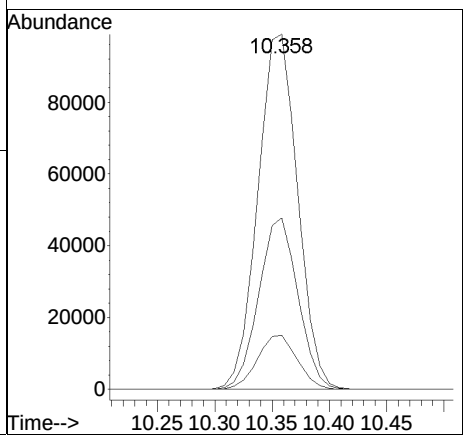


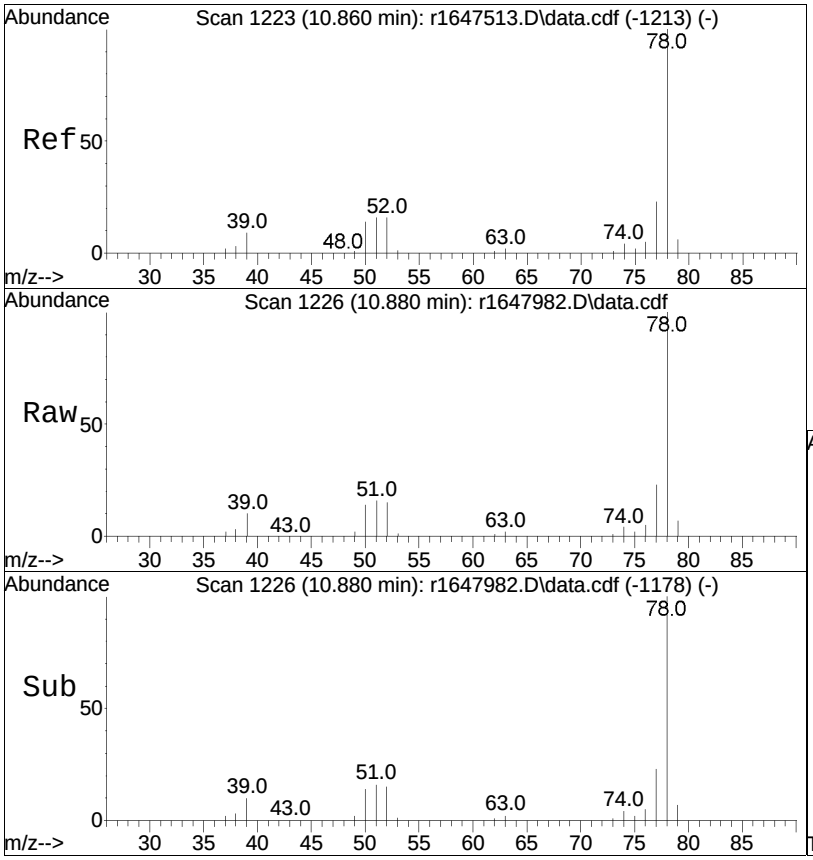


#48
1,1,1-trichloroethane
Concen: 11.71 ppbV
RT: 10.358 min Scan# 1157
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 97 Resp: 238818

Ion	Ratio	Lower	Upper
97	100		
61	48.3	35.9	53.9
119	15.3	11.9	17.9

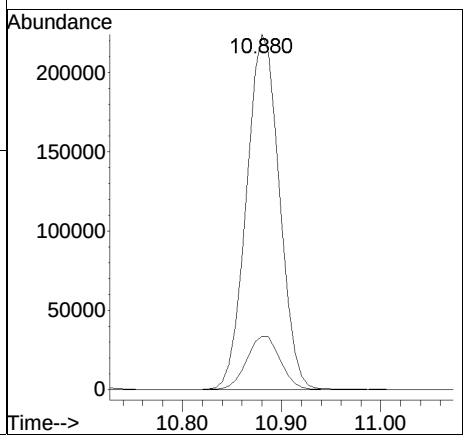


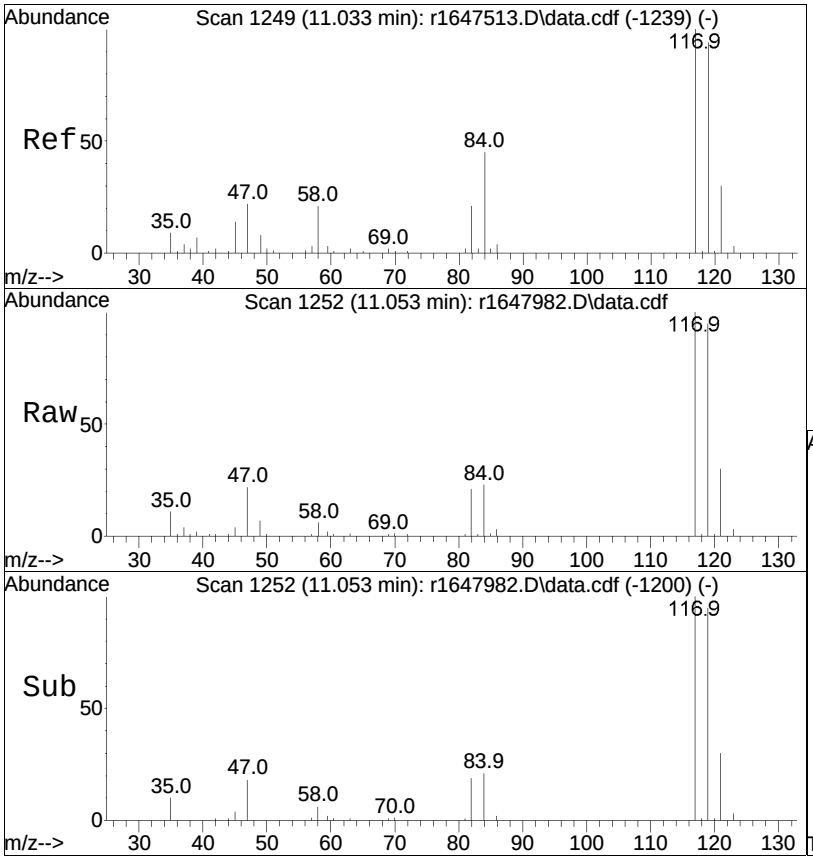


#50
benzene
Concen: 10.19 ppbV
RT: 10.880 min Scan# 1226
Delta R.T. 0.020 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 78 Resp: 515955

Ion	Ratio	Lower	Upper
78	100		
52	14.9	12.5	18.7

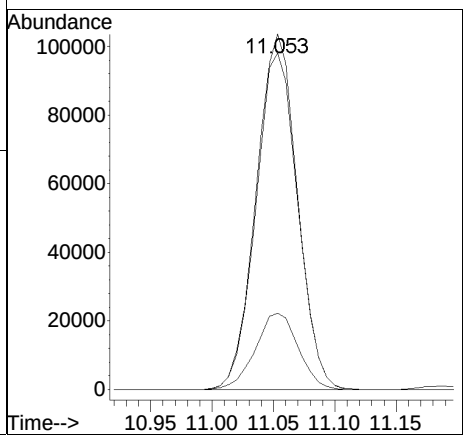


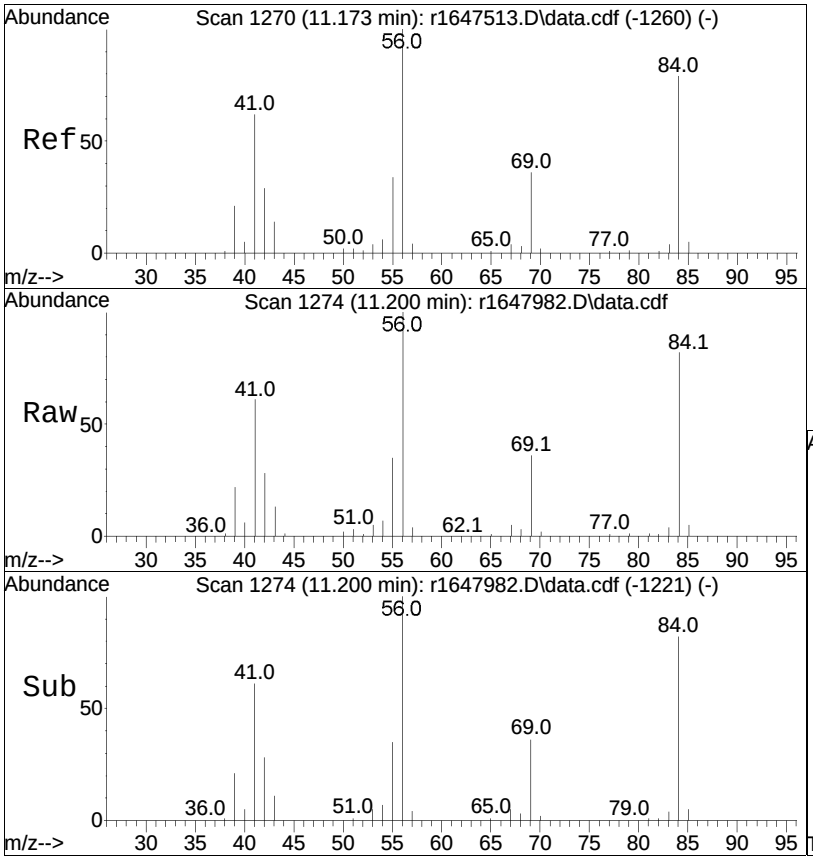


#52
carbon tetrachloride
Concen: 12.94 ppbV
RT: 11.053 min Scan# 1252
Delta R.T. 0.020 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:117 Resp: 241236

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.4	113.2
82	21.4	17.0	25.4

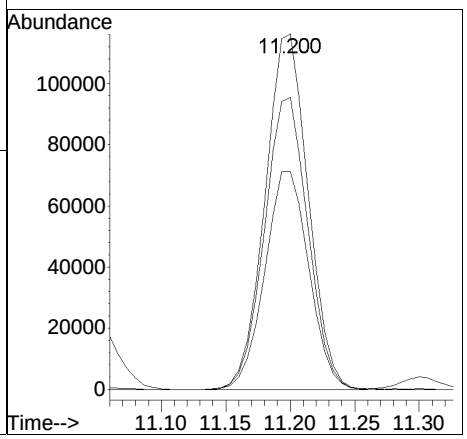


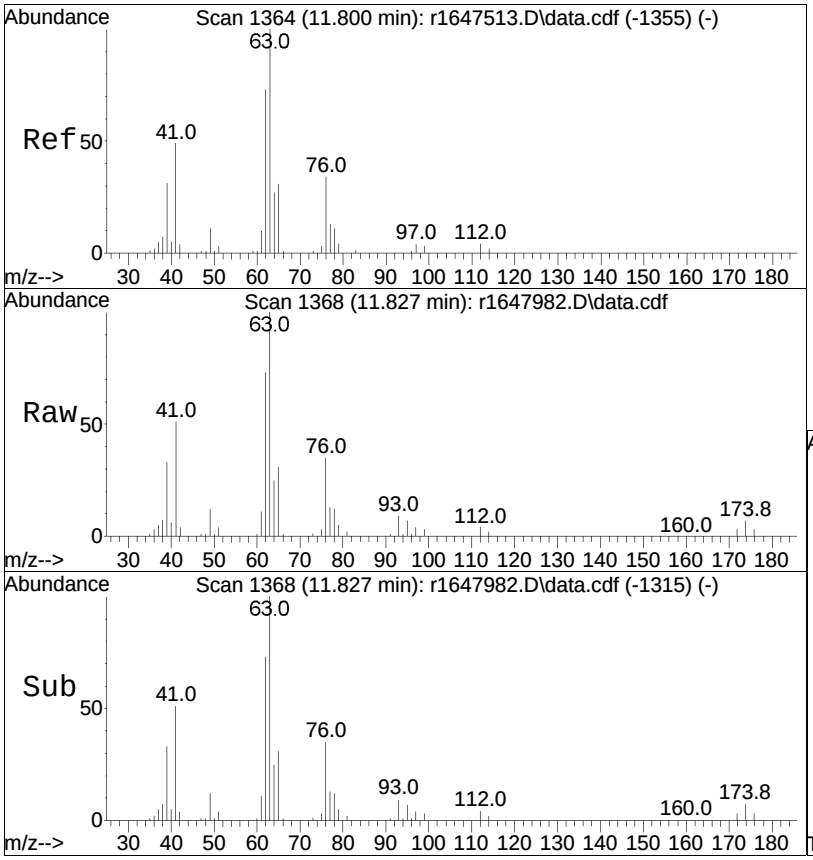


#53
cyclohexane
Concen: 11.70 ppbV
RT: 11.200 min Scan# 1274
Delta R.T. 0.027 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 56 Resp: 270145

Ion	Ratio	Lower	Upper
56	100		
84	82.2	63.4	95.0
41	61.4	49.8	74.6

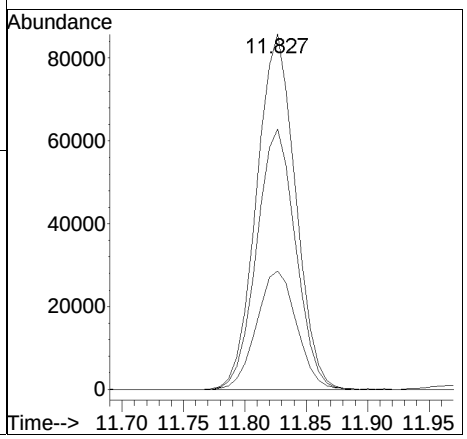


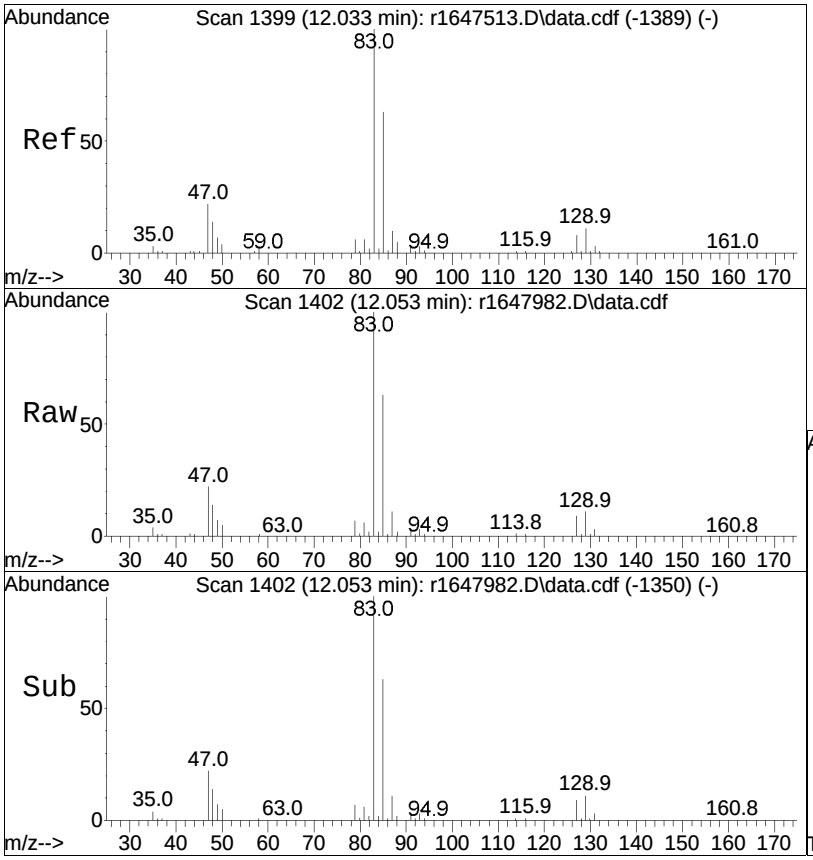


#56
1,2-dichloropropane
Concen: 10.87 ppbV
RT: 11.827 min Scan# 1368
Delta R.T. 0.027 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 63 Resp: 189206

Ion	Ratio	Lower	Upper
63	100		
62	73.3	58.5	87.7
39	33.3	24.9	37.3

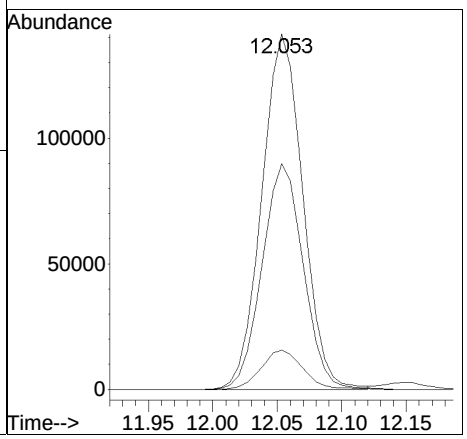


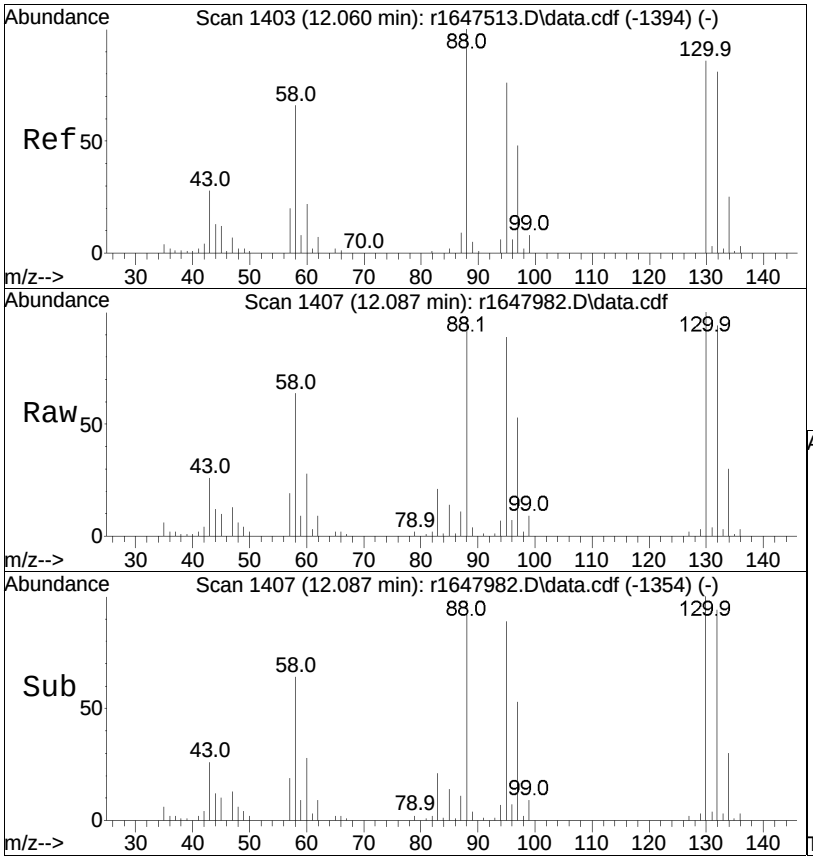


#57
bromodichloromethane
Concen: 13.05 ppbV
RT: 12.053 min Scan# 1402
Delta R.T. 0.020 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 83 Resp: 312472

Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.4	75.6
129	11.1	8.6	12.8

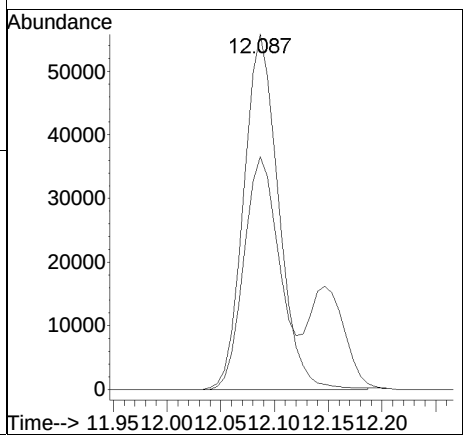


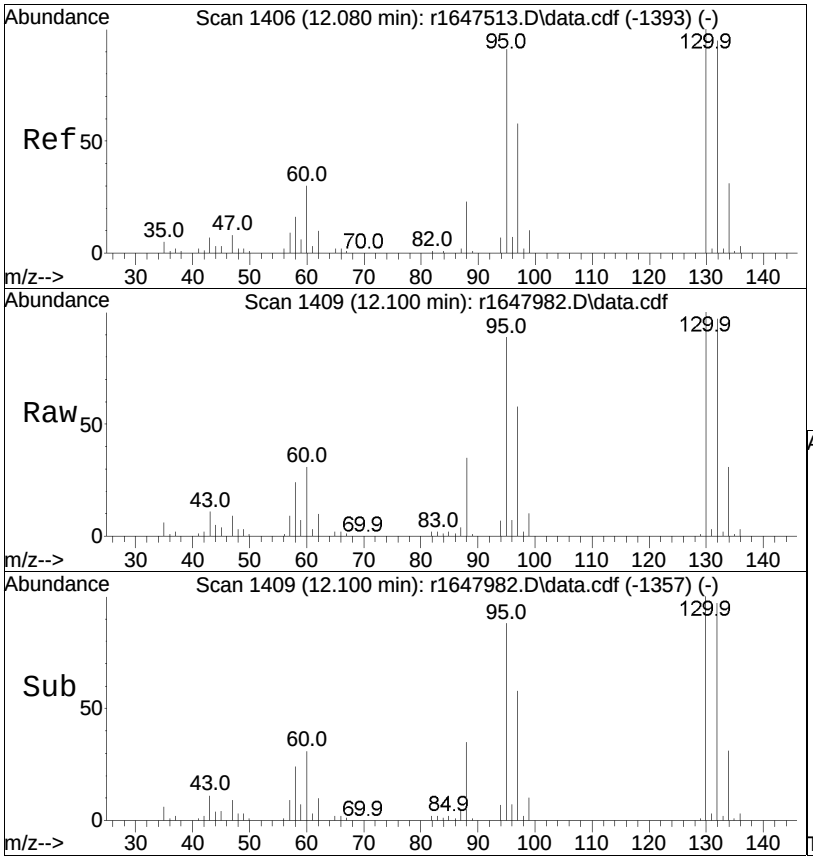


#58
1,4-dioxane
Concen: 12.27 ppbV
RT: 12.087 min Scan# 1407
Delta R.T. 0.027 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 88 Resp: 125652

Ion	Ratio	Lower	Upper
88	100		
58	65.5	53.2	79.8

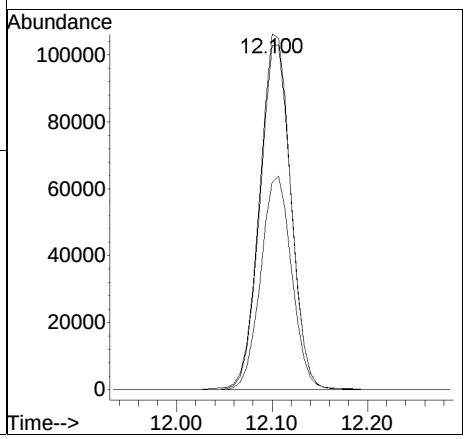


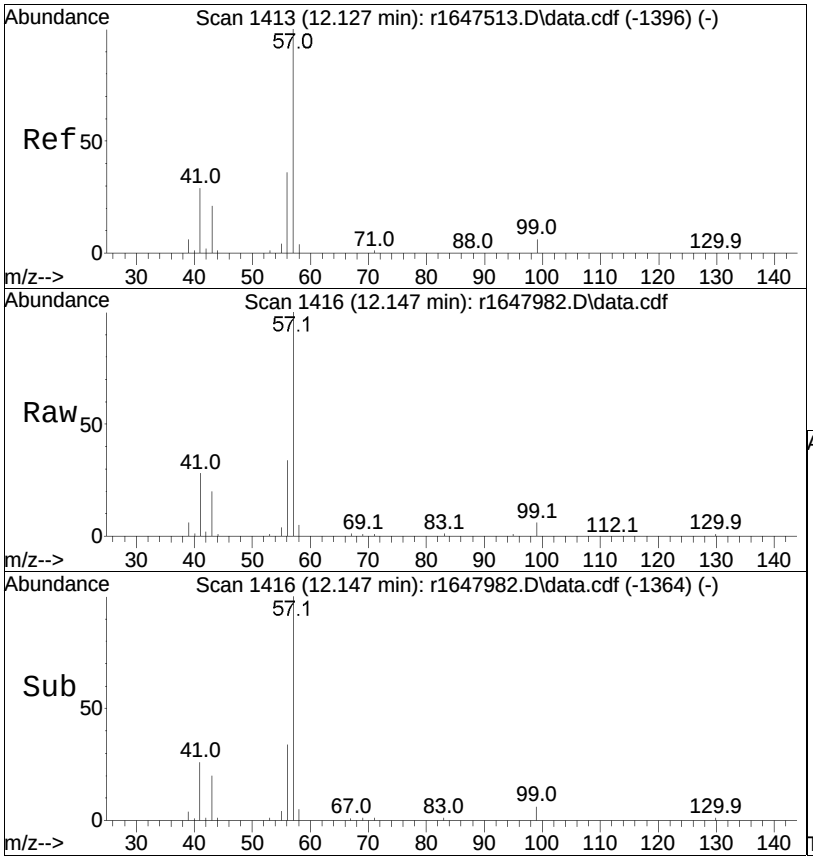


#59
trichloroethene
Concen: 11.46 ppbV
RT: 12.100 min Scan# 1409
Delta R.T. 0.020 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:130 Resp: 240852

Ion	Ratio	Lower	Upper
130	100		
132	96.7	76.3	114.5
97	58.3	46.7	70.1

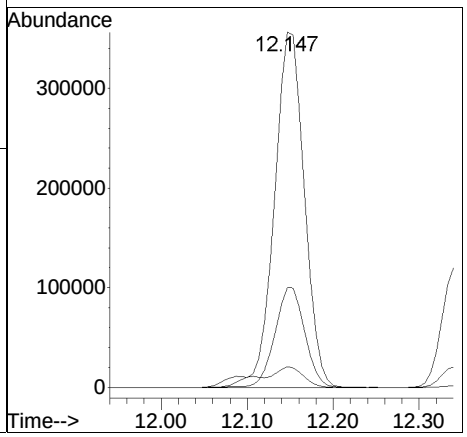


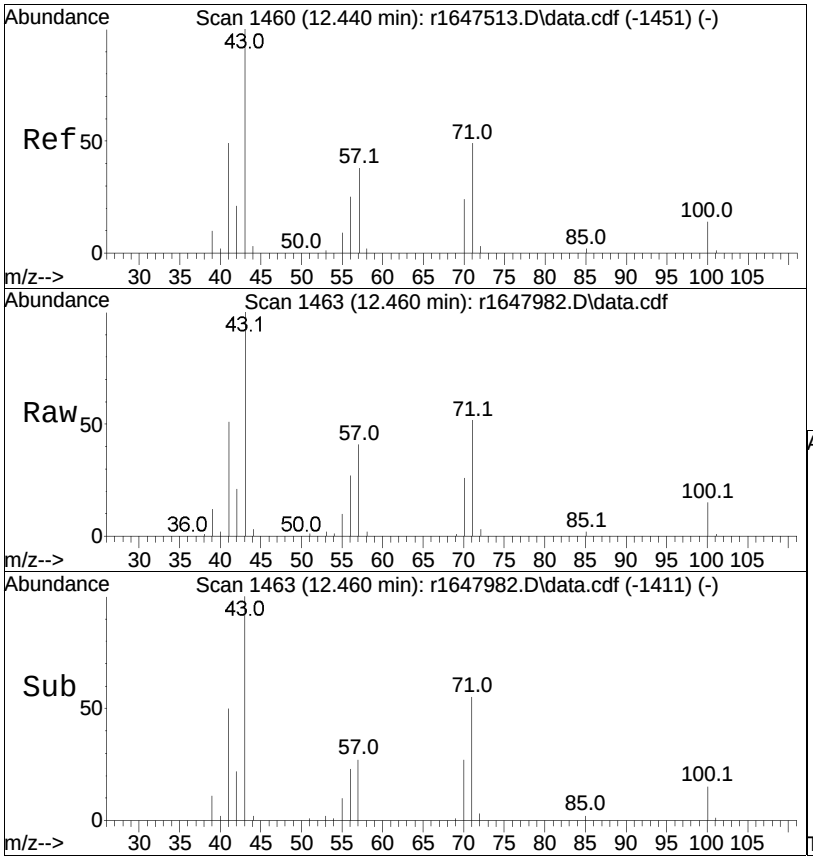


#60
2,2,4-trimethylpentane
Concen: 12.33 ppbV
RT: 12.147 min Scan# 1416
Delta R.T. 0.020 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 57 Resp: 874775

Ion	Ratio	Lower	Upper
57	100		
99	5.8	4.6	7.0
41	28.1	23.0	34.6

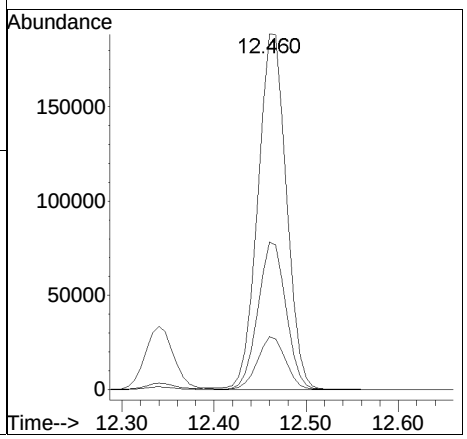


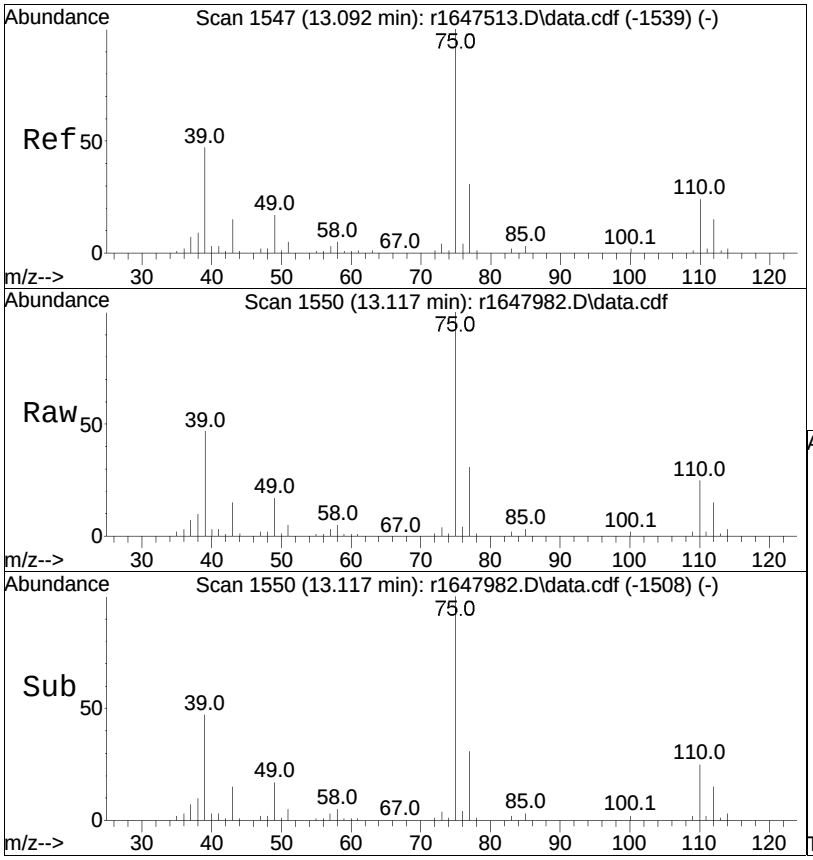


#62
heptane
Concen: 11.82 ppbV
RT: 12.460 min Scan# 1463
Delta R.T. 0.020 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 43 Resp: 407731

Ion	Ratio	Lower	Upper
43	100		
57	41.4	30.5	45.7
100	14.8	11.1	16.7

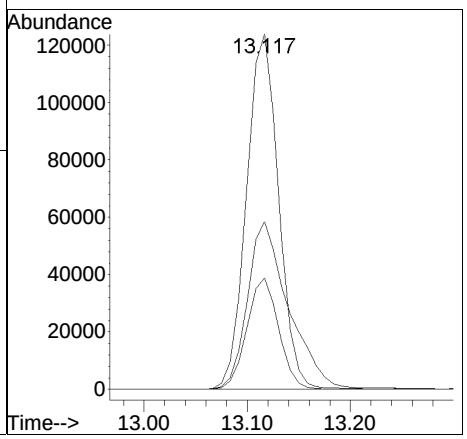


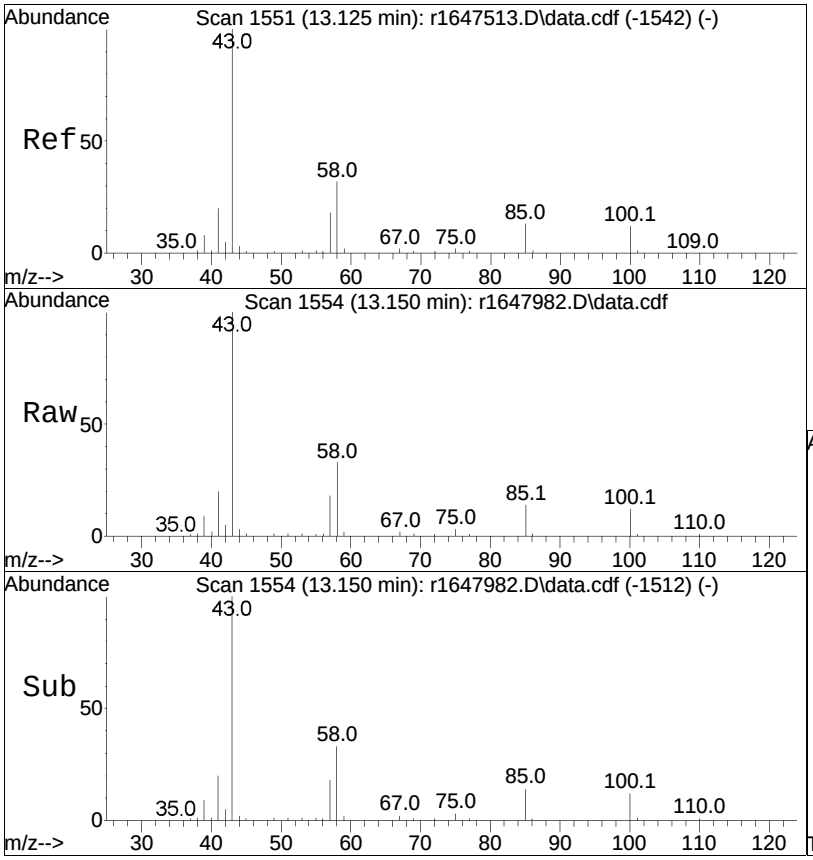


#63
cis-1,3-dichloropropene
Concen: 11.44 ppbV
RT: 13.117 min Scan# 1550
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 75 Resp: 267811

Ion	Ratio	Lower	Upper
75	100		
39	47.2	37.3	55.9
77	31.4	24.6	37.0

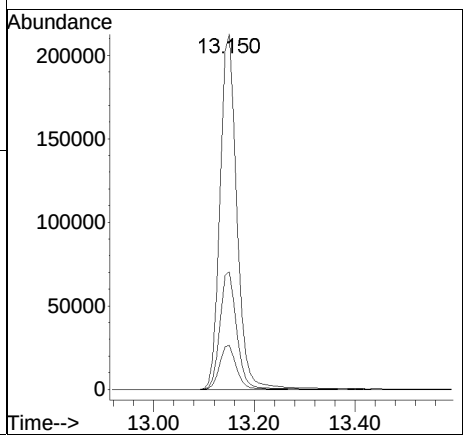


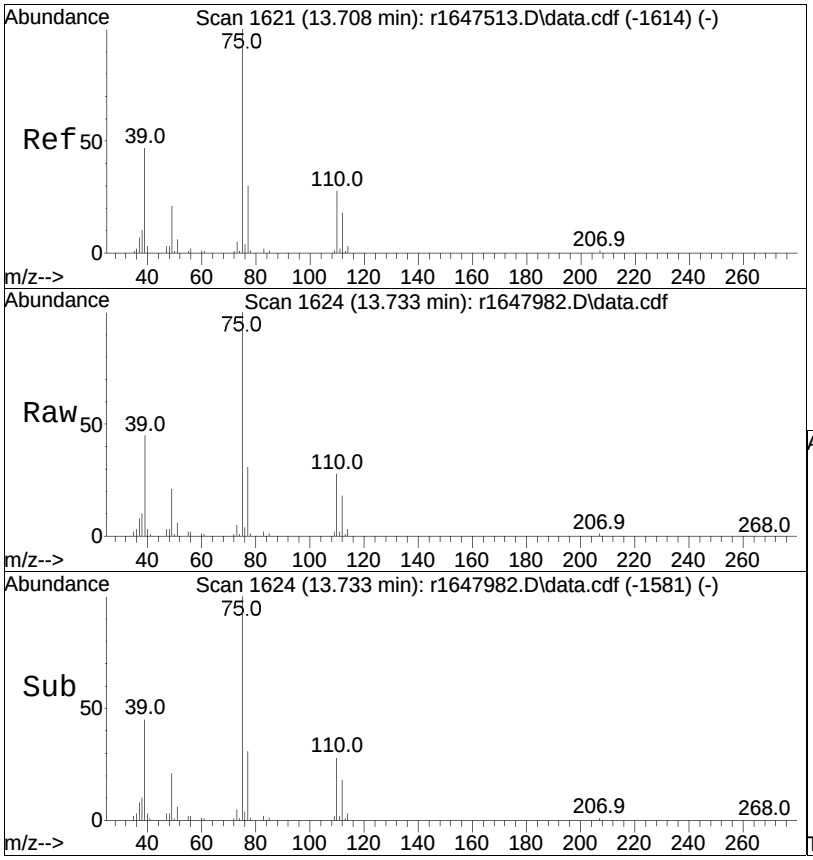


#64
4-methyl-2-pentanone
Concen: 11.91 ppbV
RT: 13.150 min Scan# 1554
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 43 Resp: 497551

Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.4	38.0
100	12.4	9.8	14.6

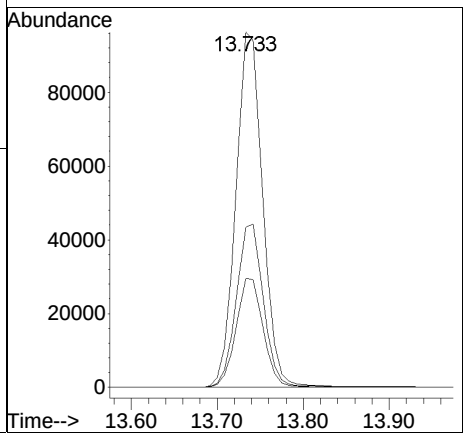


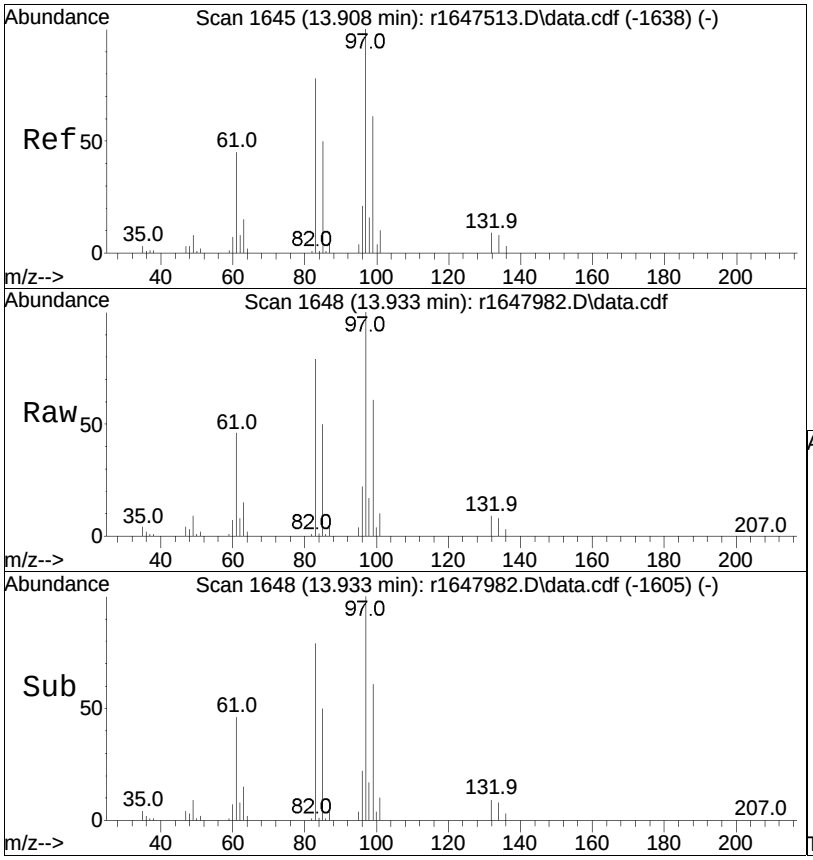


#65
trans-1,3-dichloropropene
Concen: 12.40 ppbV
RT: 13.733 min Scan# 1624
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 75 Resp: 209703

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.1	36.1
39	45.1	37.3	55.9

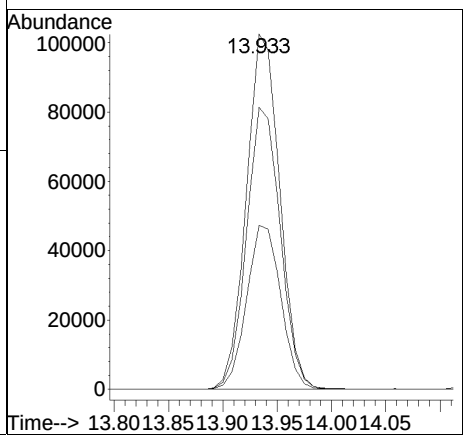


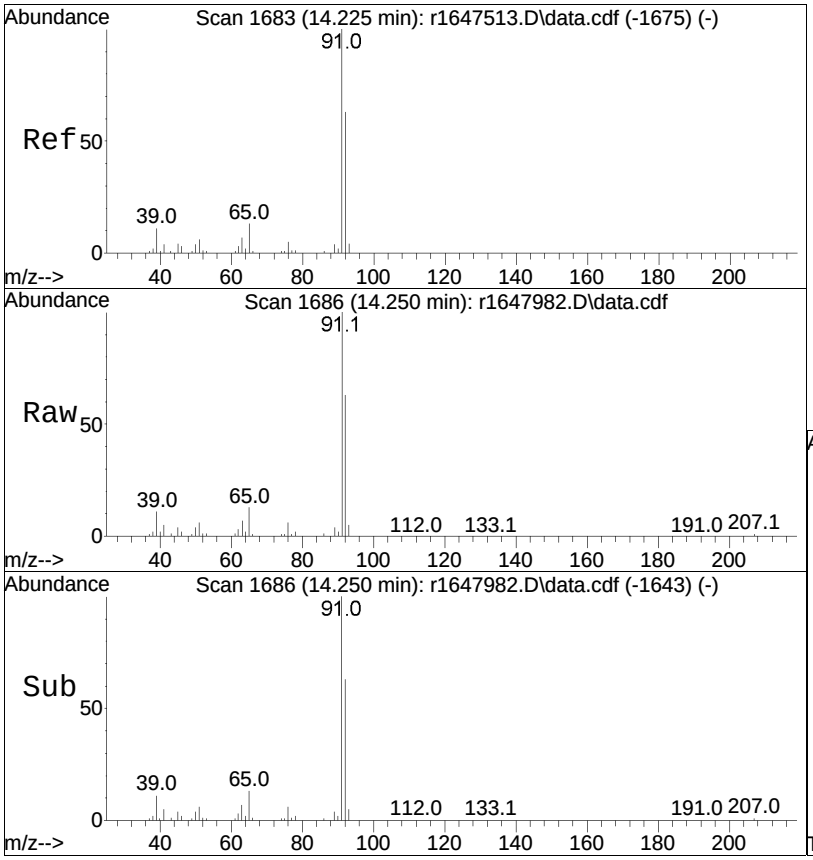


#66
1,1,2-trichloroethane
Concen: 11.16 ppbV
RT: 13.933 min Scan# 1648
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 97 Resp: 220210

Ion	Ratio	Lower	Upper
97	100		
83	79.4	62.7	94.1
61	46.2	35.8	53.8

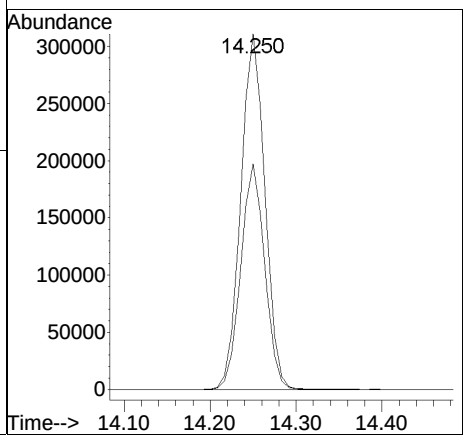


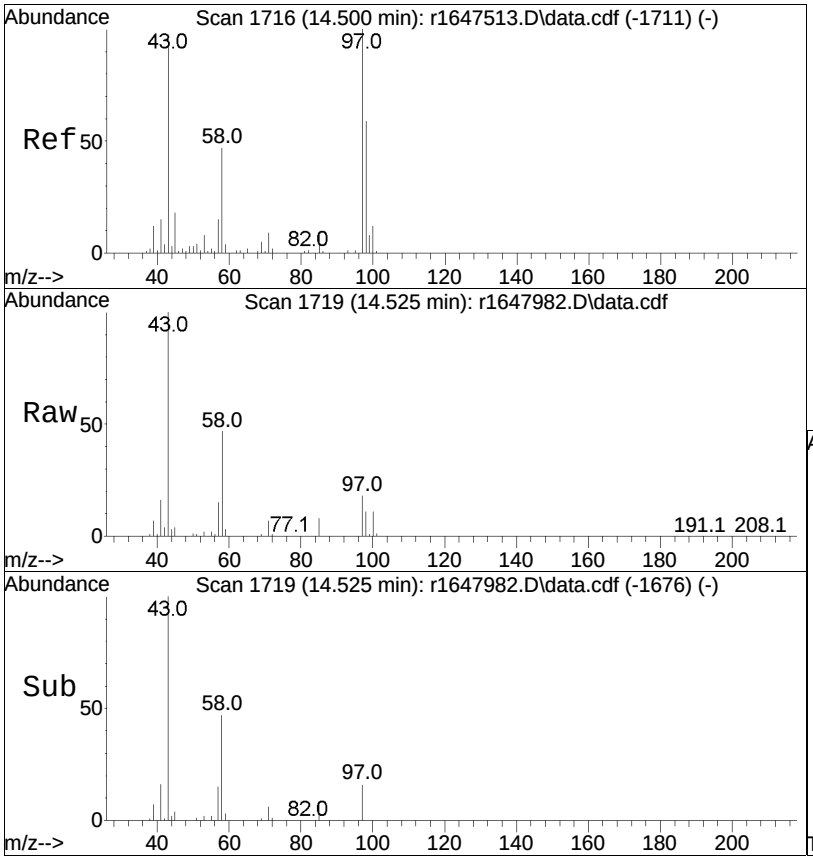


#68
toluene
Concen: 10.02 ppbV
RT: 14.250 min Scan# 1686
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 91 Resp: 605607

Ion	Ratio	Lower	Upper
91	100		
92	63.4	50.8	76.2

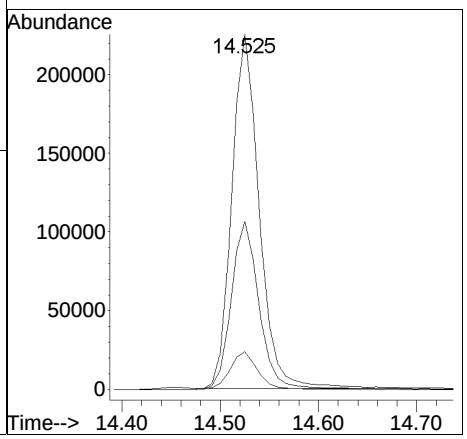


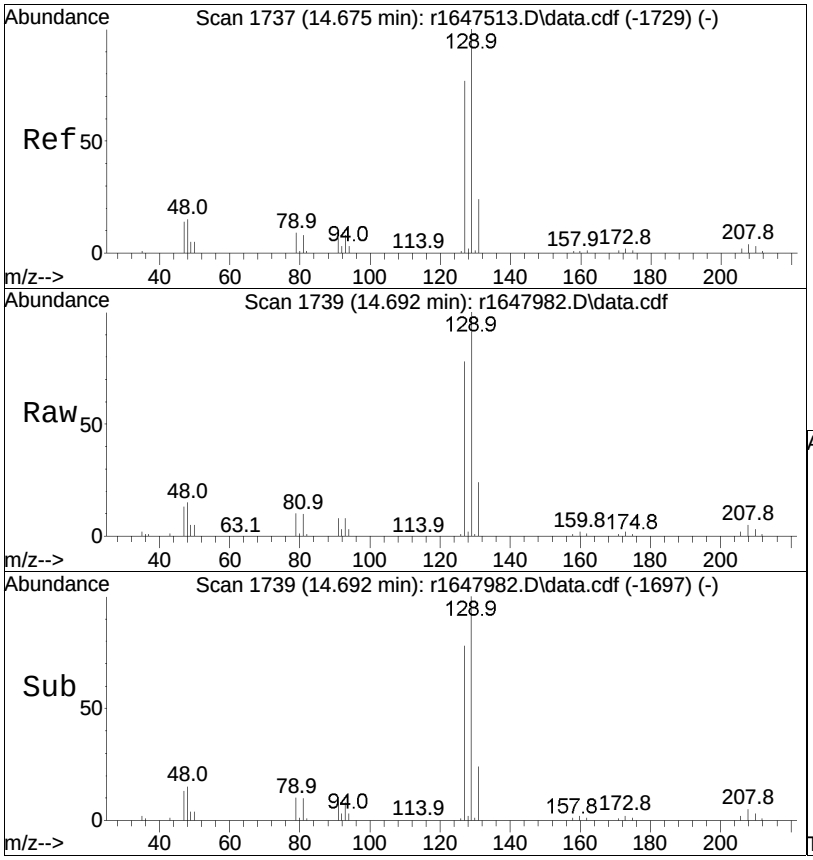


#72
2-hexanone
Concen: 11.38 ppbV
RT: 14.525 min Scan# 1719
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 43 Resp: 438452

Ion	Ratio	Lower	Upper
43	100		
58	47.3	38.9	58.3
100	10.6	10.1	15.1

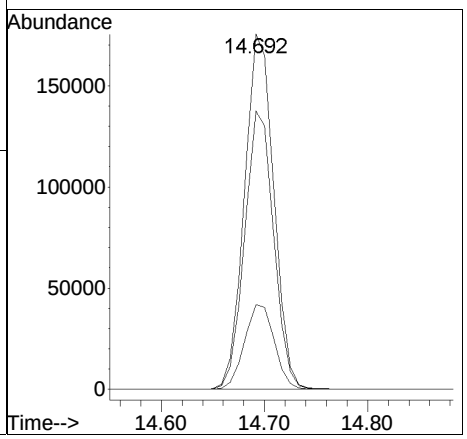


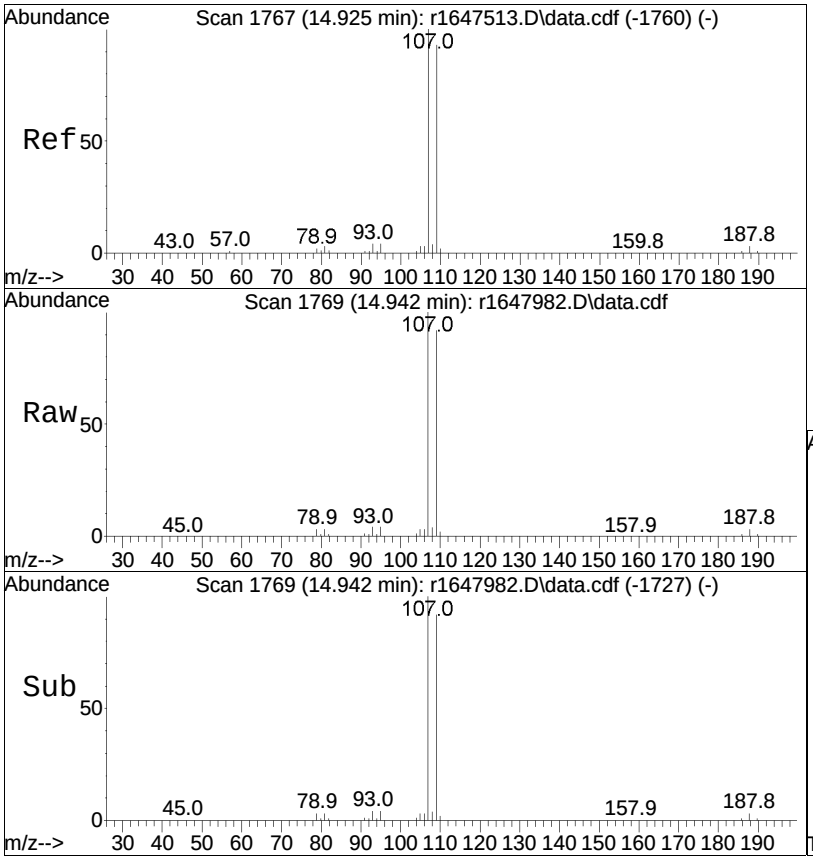


#74
dibromochloromethane
Concen: 13.24 ppbV
RT: 14.692 min Scan# 1739
Delta R.T. 0.017 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:129 Resp: 347427

Ion	Ratio	Lower	Upper
129	100		
127	78.3	61.5	92.3
131	23.9	19.0	28.4

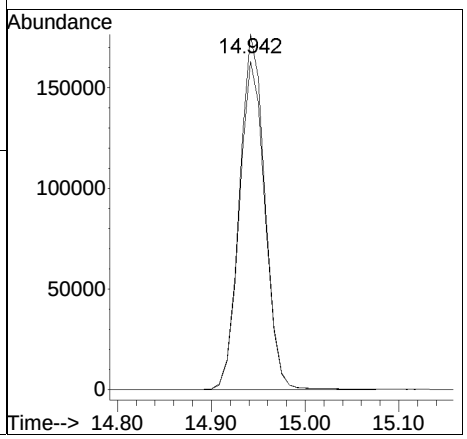


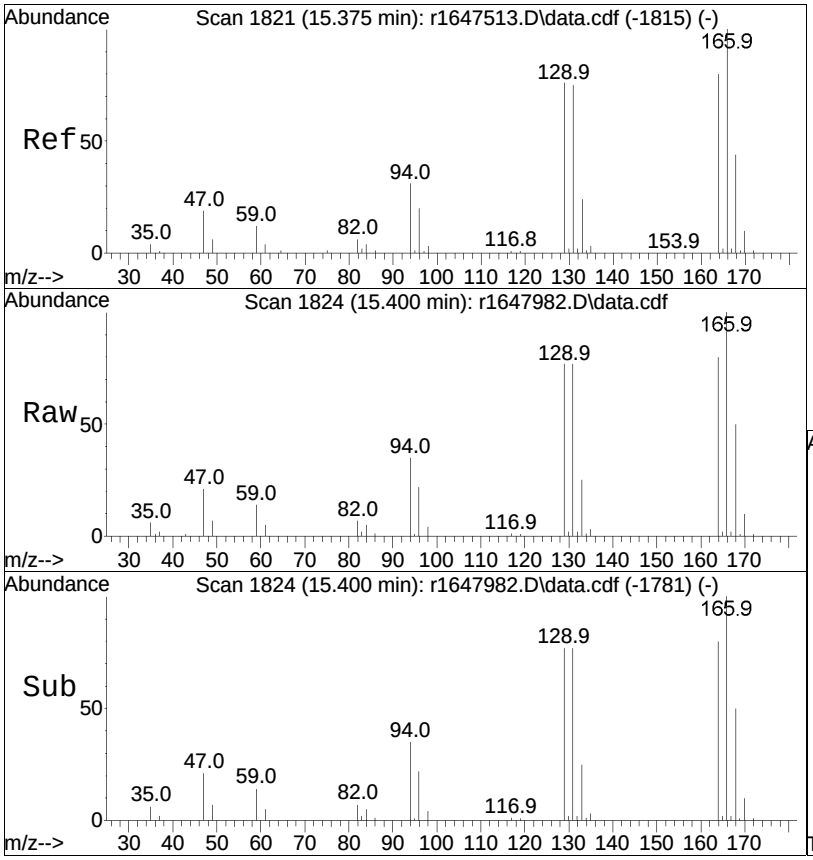


#75
1,2-dibromoethane
Concen: 11.15 ppbV
RT: 14.942 min Scan# 1769
Delta R.T. 0.017 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:107 Resp: 330383

Ion	Ratio	Lower	Upper
107	100		
109	92.4	74.7	112.1

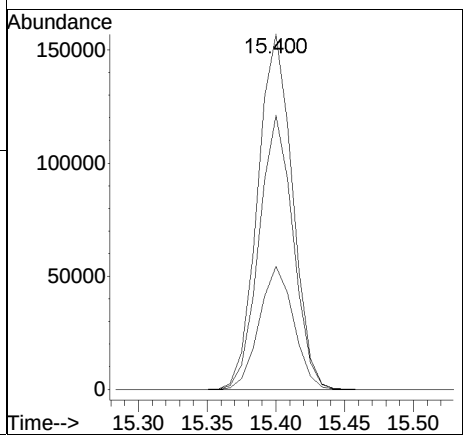


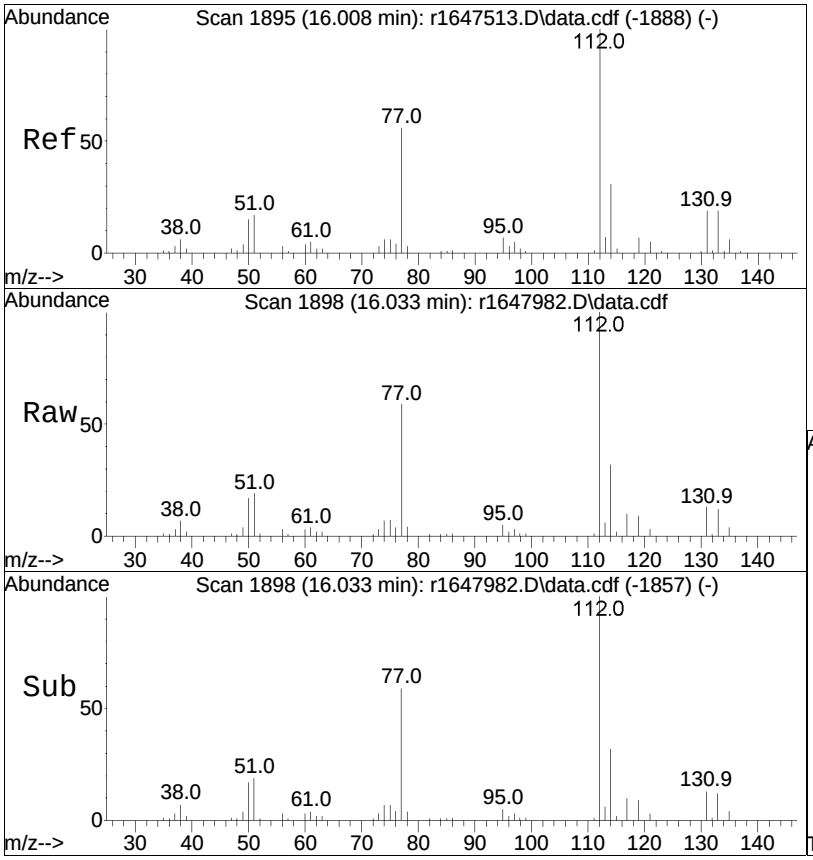


#78
tetrachloroethene
Concen: 10.90 ppbV
RT: 15.400 min Scan# 1824
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:166 Resp: 276107

Ion	Ratio	Lower	Upper
166	100		
131	77.1	59.7	89.5
94	34.6	25.1	37.7

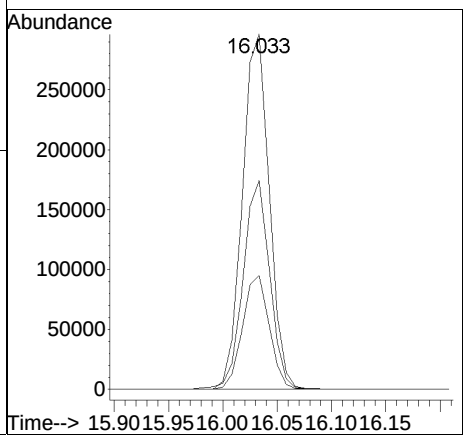


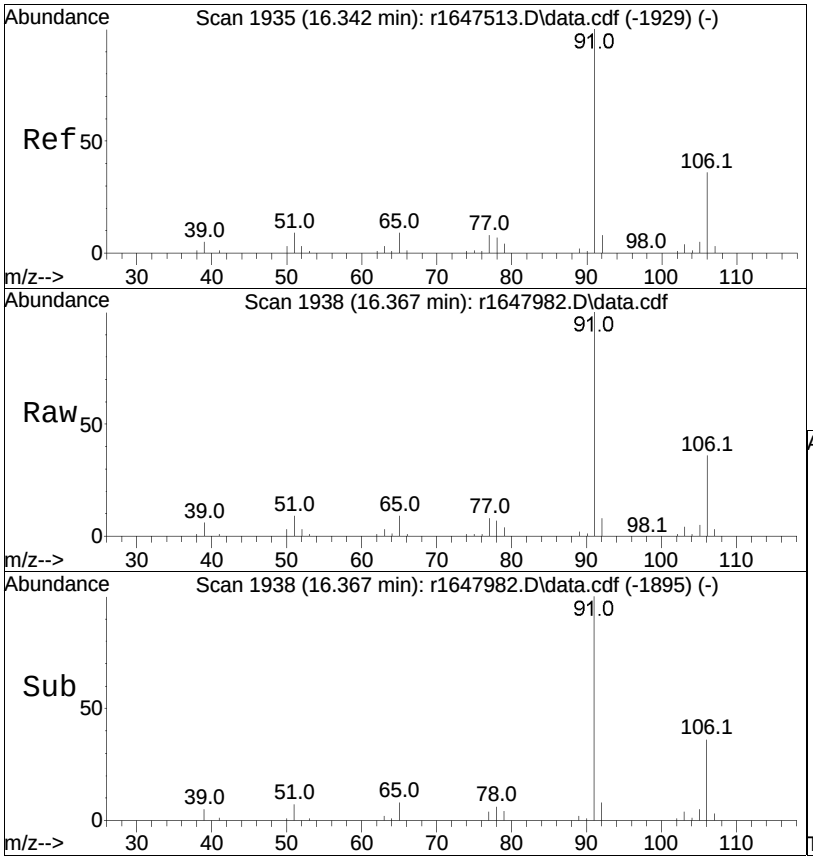


#80
chlorobenzene
Concen: 10.62 ppbV
RT: 16.033 min Scan# 1898
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:112 Resp: 511937

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.0	37.6
77	58.8	45.2	67.8

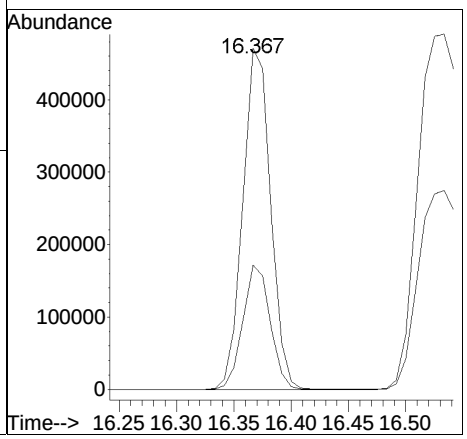


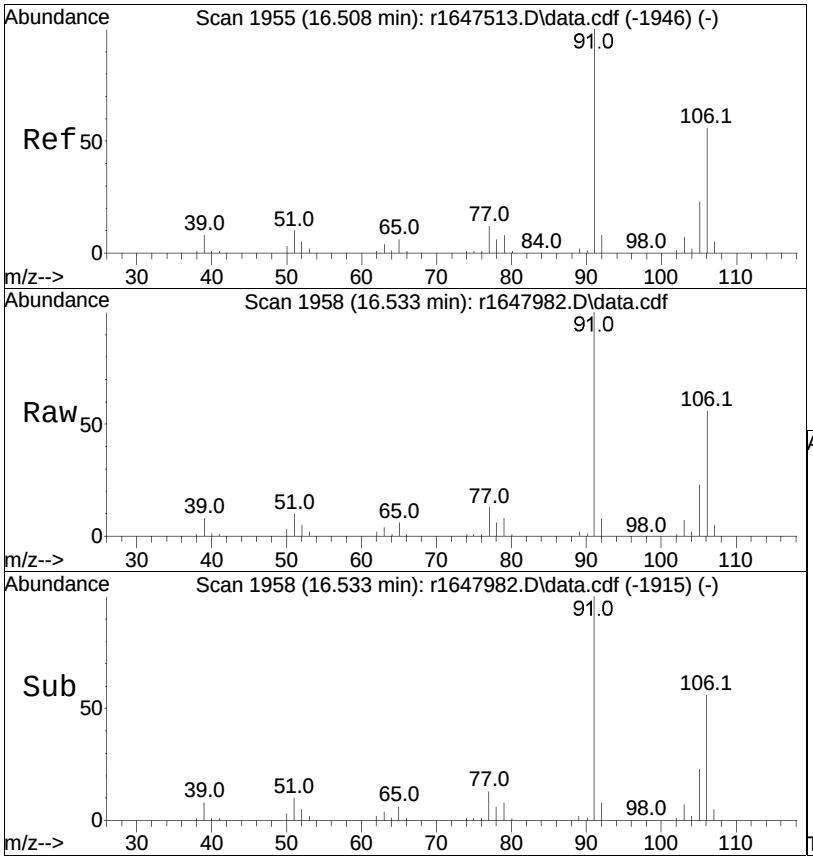


#81
ethylbenzene
Concen: 10.49 ppbV
RT: 16.367 min Scan# 1938
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 91 Resp: 794232

Ion	Ratio	Lower	Upper
91	100		
106	36.4	29.0	43.6

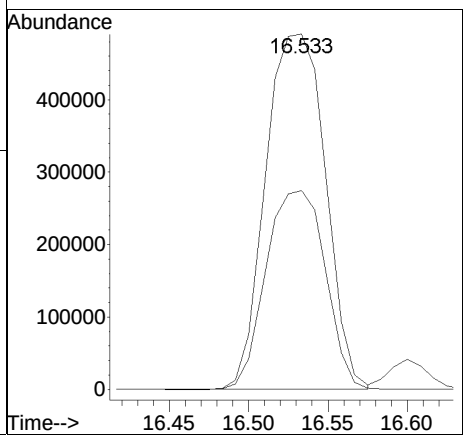


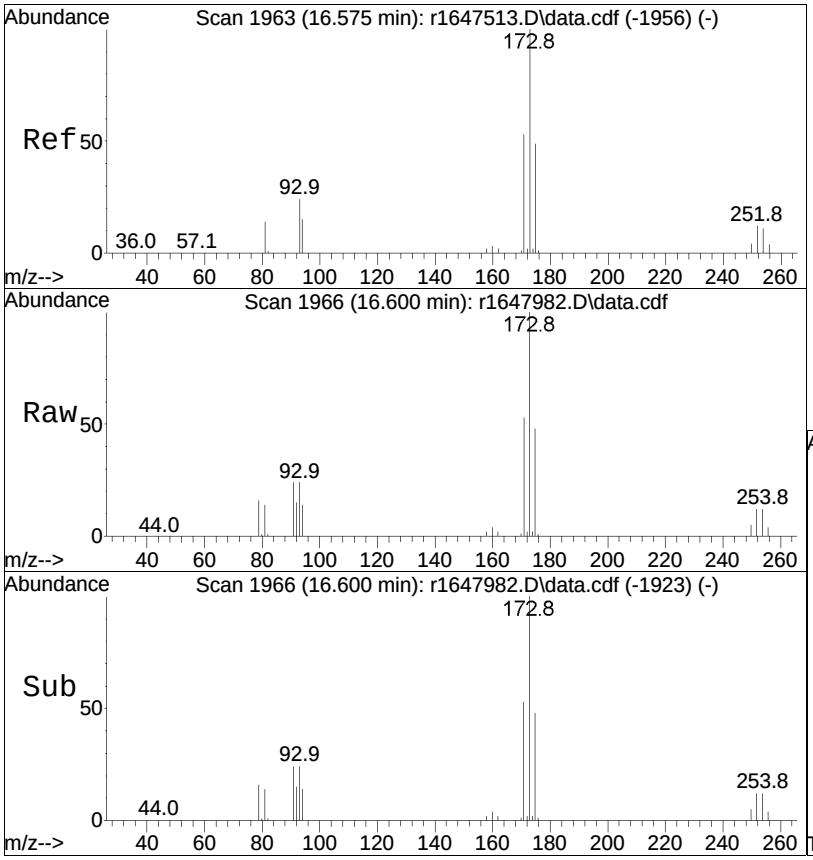


#83
m+p-xylene
Concen: 21.46 ppbV
RT: 16.533 min Scan# 1958
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 91 Resp: 1285213

Ion	Ratio	Lower	Upper
91	100		
106	56.0	45.0	67.4

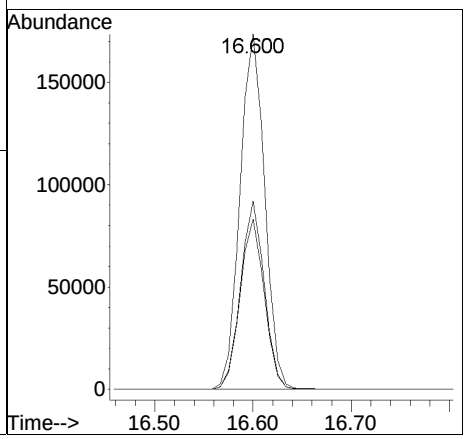


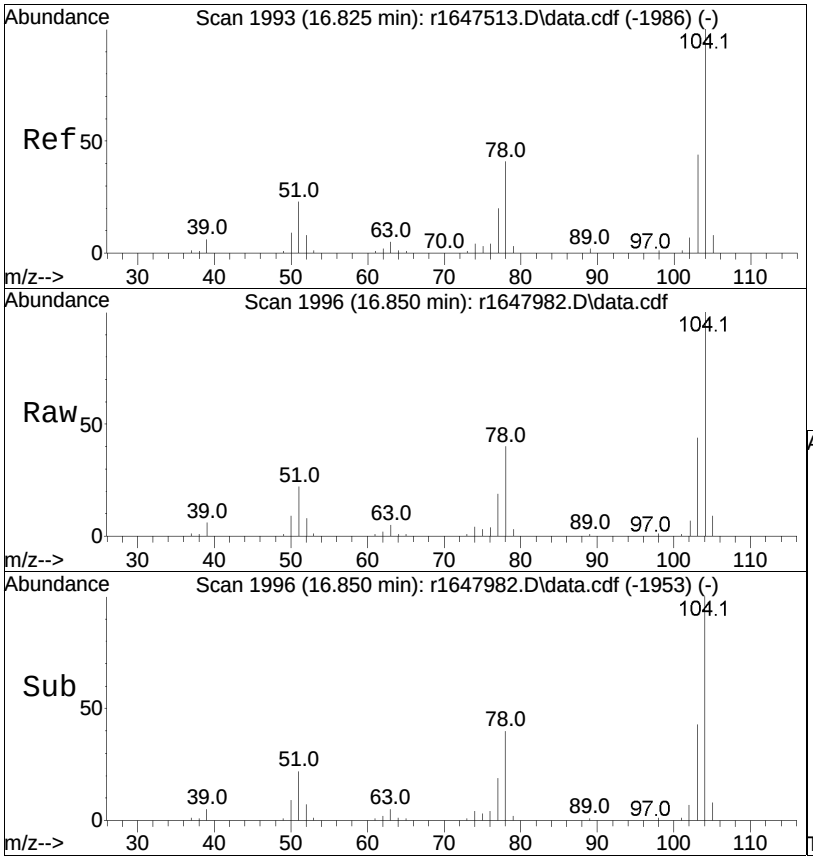


#84
bromoform
Concen: 13.92 ppbV
RT: 16.600 min Scan# 1966
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:173 Resp: 303664

Ion	Ratio	Lower	Upper
173	100		
175	48.0	39.3	58.9
171	53.0	42.5	63.7

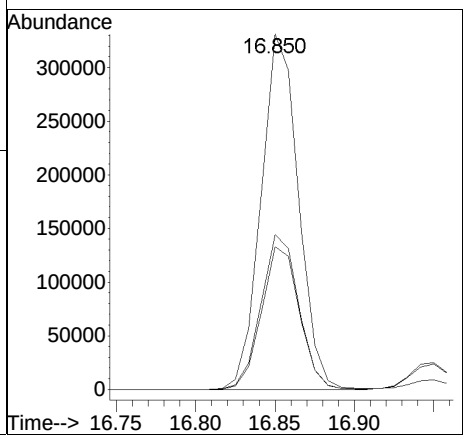


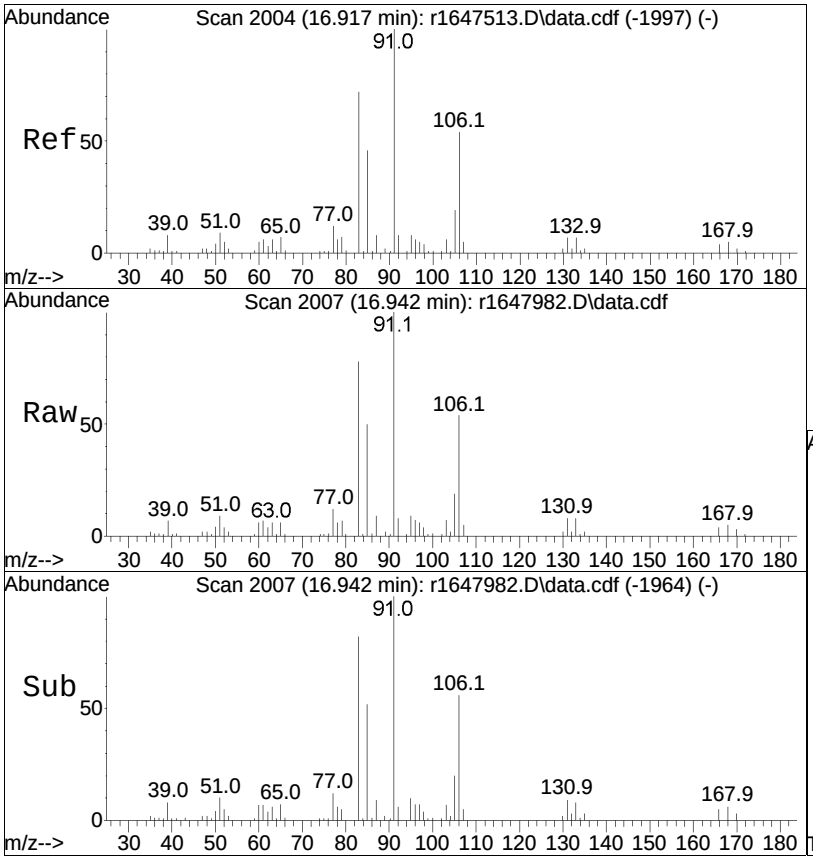


#85
styrene
Concen: 10.94 ppbV
RT: 16.850 min Scan# 1996
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:104 Resp: 541694

Ion	Ratio	Lower	Upper
104	100		
103	43.5	35.3	52.9
78	40.2	32.5	48.7

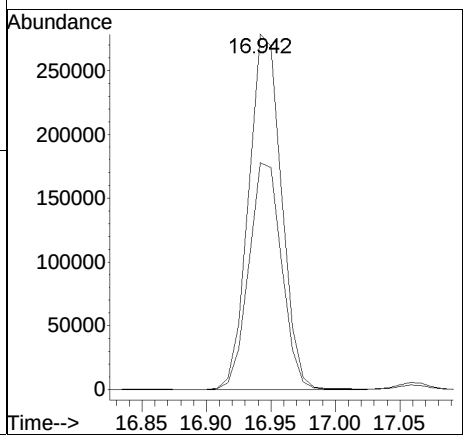


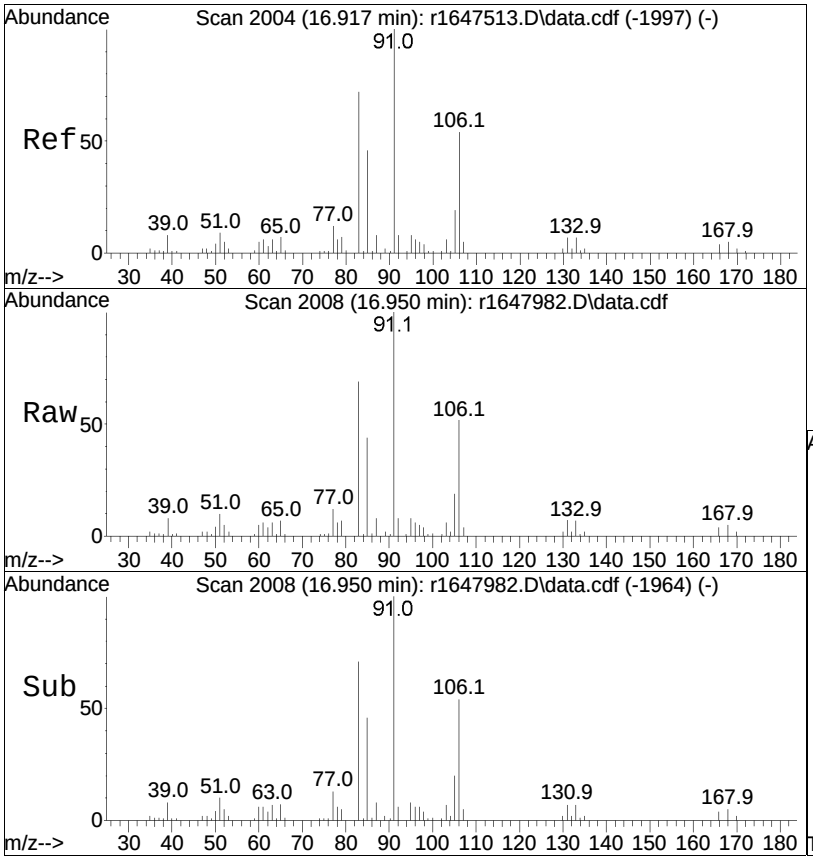


#86
1,1,2,2-tetrachloroethane
Concen: 11.08 ppbV
RT: 16.942 min Scan# 2007
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 83 Resp: 493428

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.2

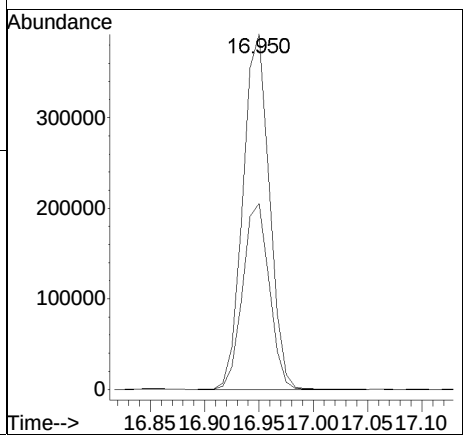


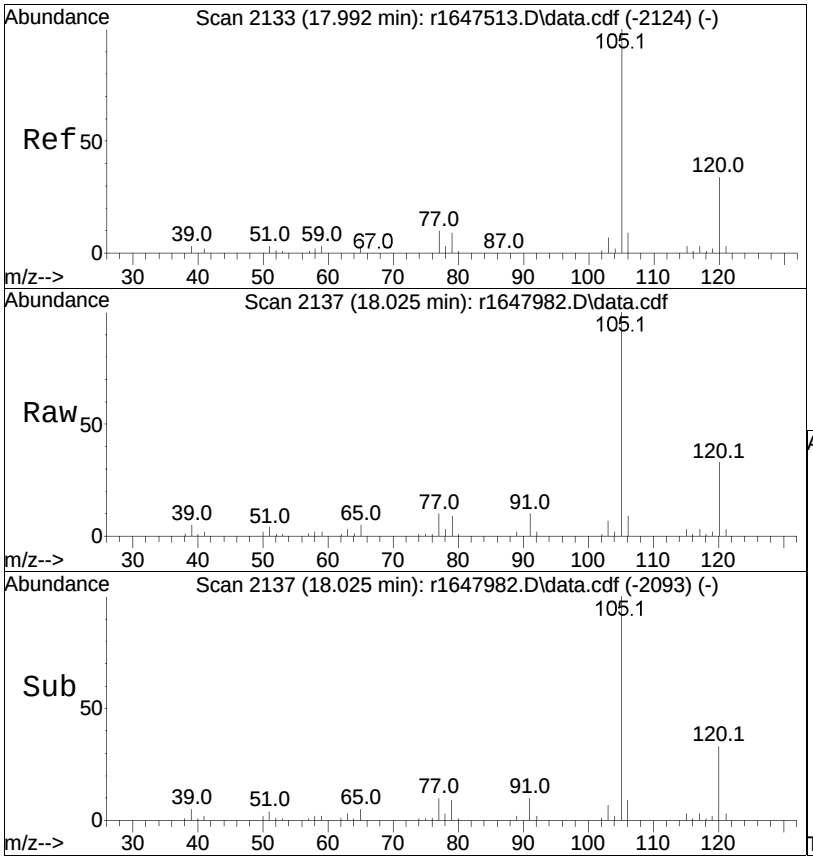


#87
o-xylene
Concen: 10.90 ppbV
RT: 16.950 min Scan# 2008
Delta R.T. 0.033 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 91 Resp: 665308

Ion	Ratio	Lower	Upper
91	100		
106	52.4	43.2	64.8

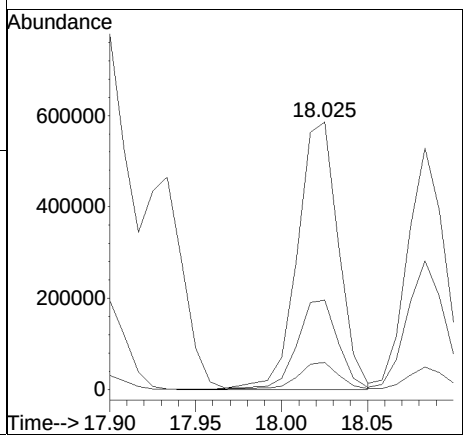


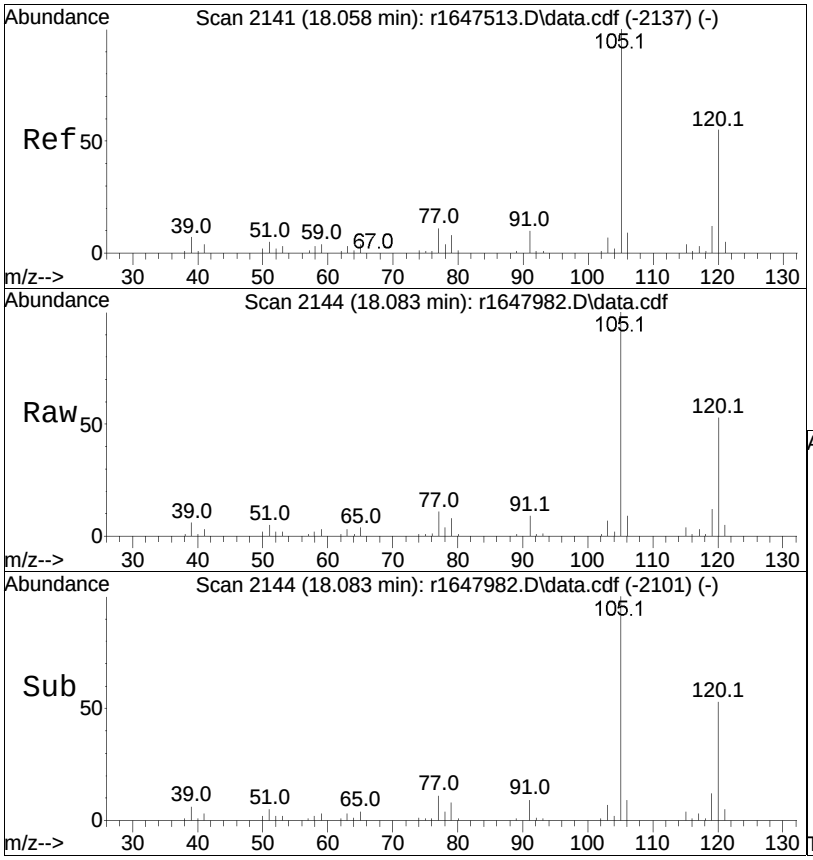


#96
4-ethyl toluene
Concen: 11.92 ppbV
RT: 18.025 min Scan# 2137
Delta R.T. 0.033 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:105 Resp: 970515

Ion	Ratio	Lower	Upper
105	100		
120	33.4	27.3	40.9
91	10.1	7.9	11.9

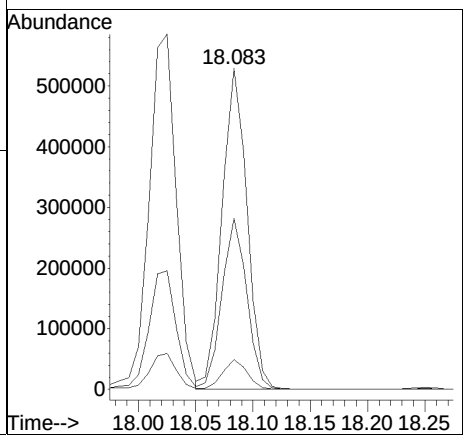


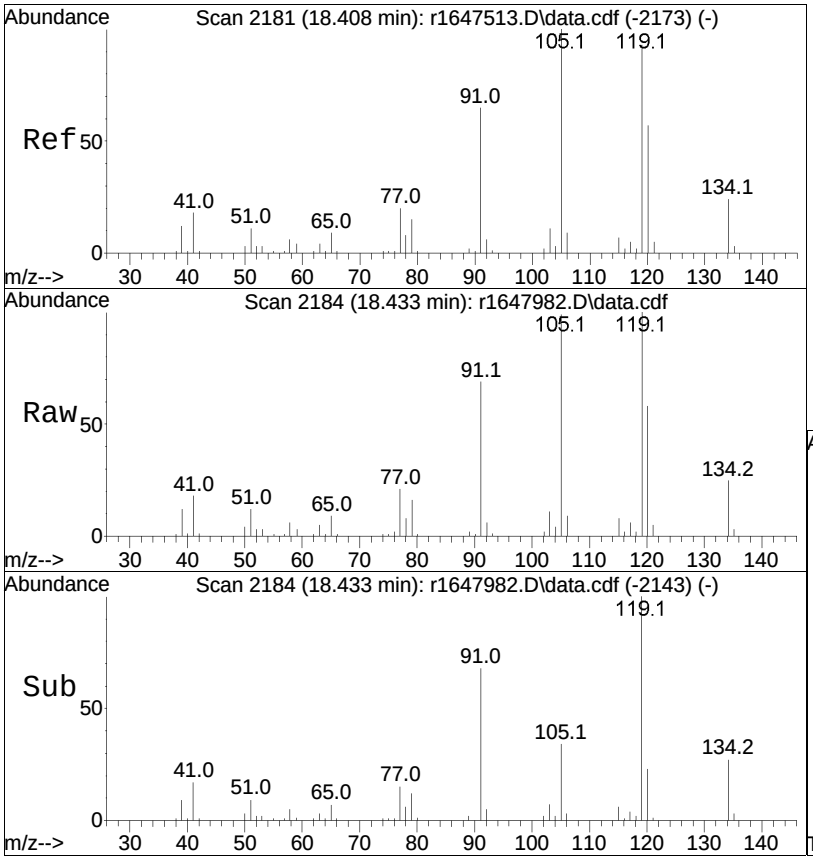


#97
1,3,5-trimethylbenzene
Concen: 11.37 ppbV
RT: 18.083 min Scan# 2144
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:105 Resp: 800283

Ion	Ratio	Lower	Upper
105	100		
120	53.3	44.2	66.2
91	9.3	7.7	11.5

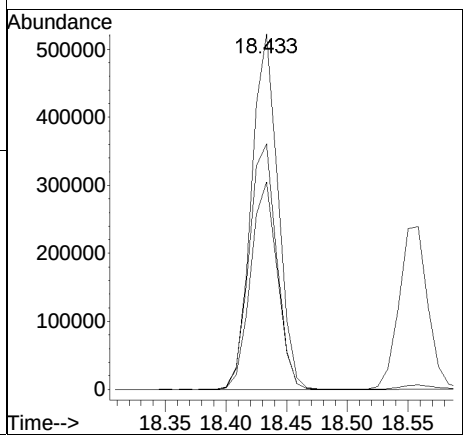


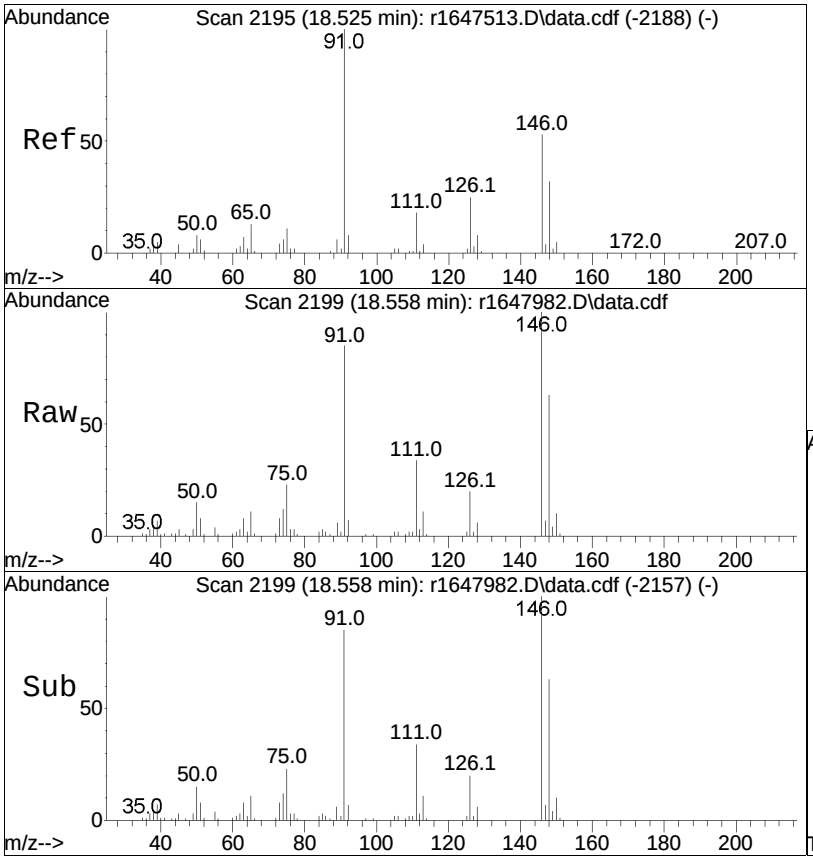


#99
1,2,4-trimethylbenzene
Concen: 11.47 ppbV
RT: 18.433 min Scan# 2184
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:105 Resp: 794893

Ion	Ratio	Lower	Upper
105	100		
120	58.4	45.9	68.9
91	69.1	51.9	77.9

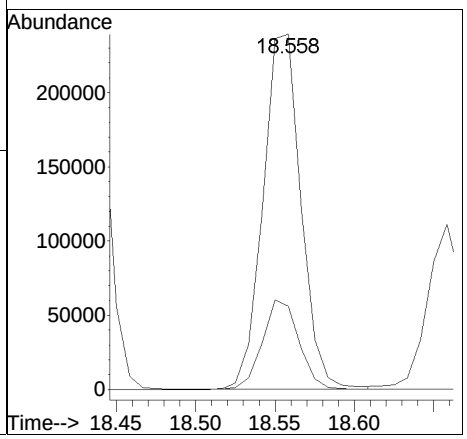


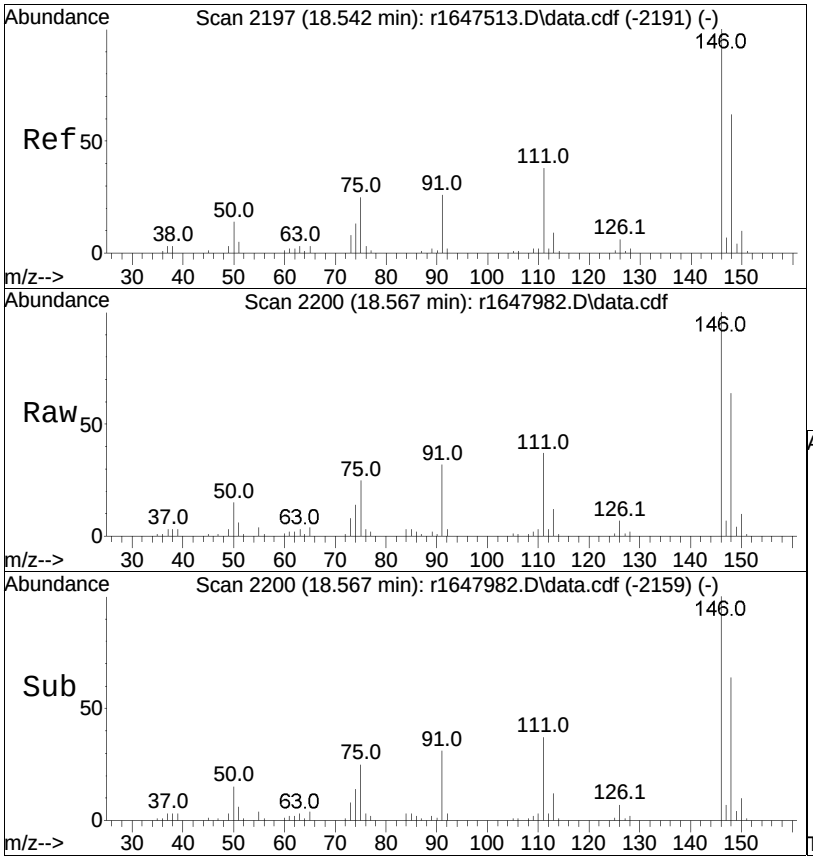


#101
Benzyl Chloride
Concen: 13.23 ppbV
RT: 18.558 min Scan# 2199
Delta R.T. 0.033 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion: 91 Resp: 396876

Ion	Ratio	Lower	Upper
91	100		
126	23.4	19.6	29.4

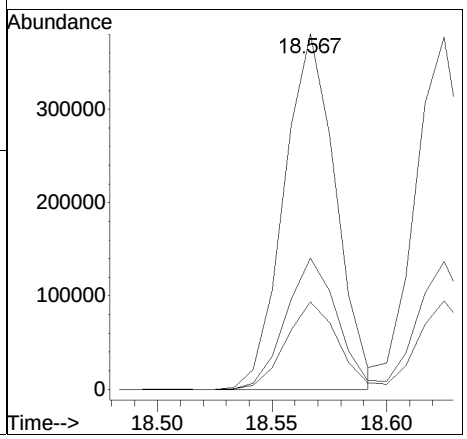


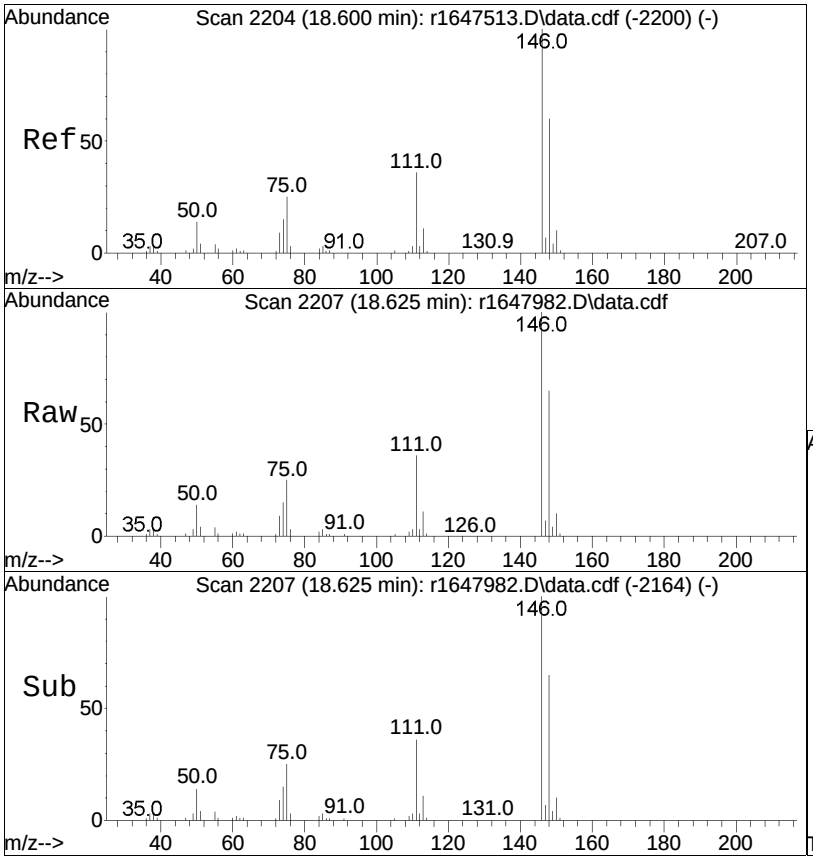


#102
1,3-dichlorobenzene
Concen: 11.71 ppbV
RT: 18.567 min Scan# 2200
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:146 Resp: 595238

Ion	Ratio	Lower	Upper
146	100		
111	36.9	30.2	45.2
75	24.7	19.8	29.6

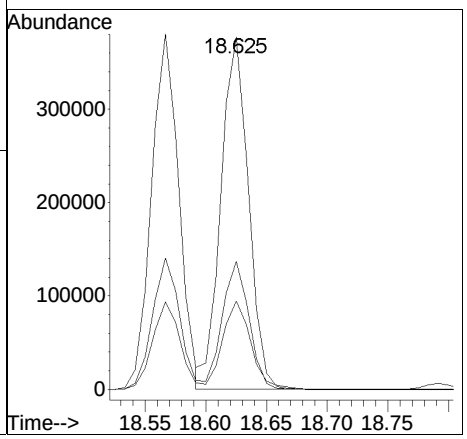


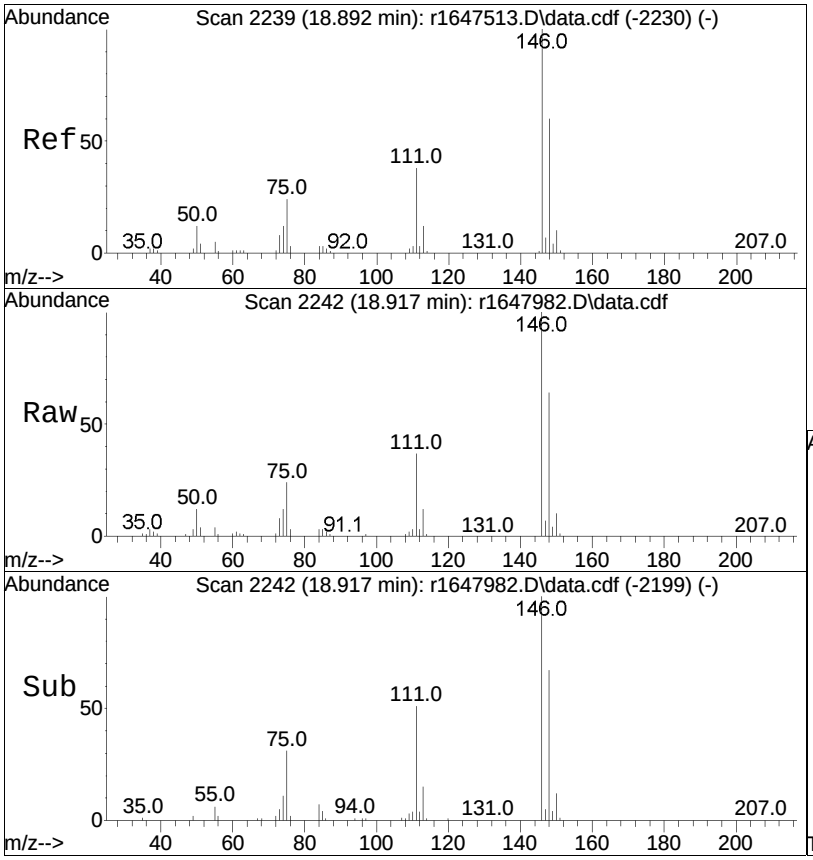


#103
1,4-dichlorobenzene
Concen: 11.76 ppbV
RT: 18.625 min Scan# 2207
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:146 Resp: 594973

Ion	Ratio	Lower	Upper
146	100		
111	36.3	29.0	43.4
75	25.1	19.9	29.9

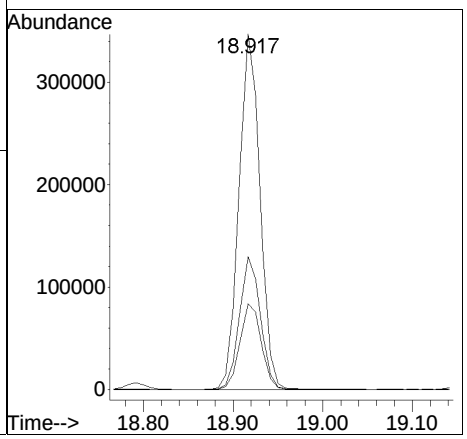


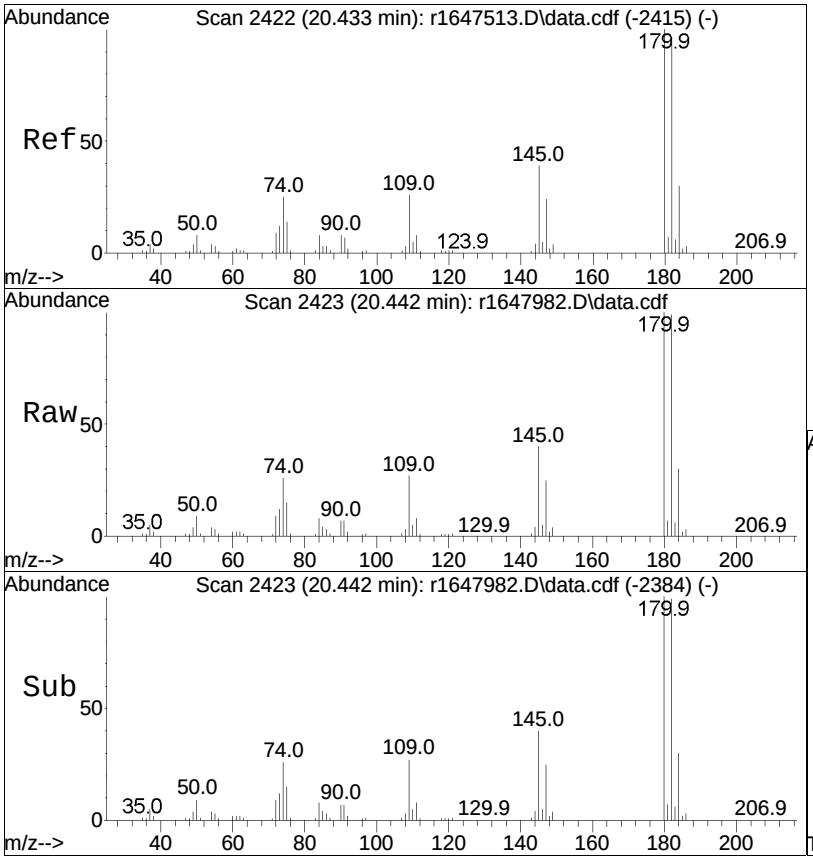


#107
1,2-dichlorobenzene
Concen: 11.46 ppbV
RT: 18.917 min Scan# 2242
Delta R.T. 0.025 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:146 Resp: 566323

Ion	Ratio	Lower	Upper
146	100		
111	37.3	30.2	45.4
75	24.1	19.4	29.0

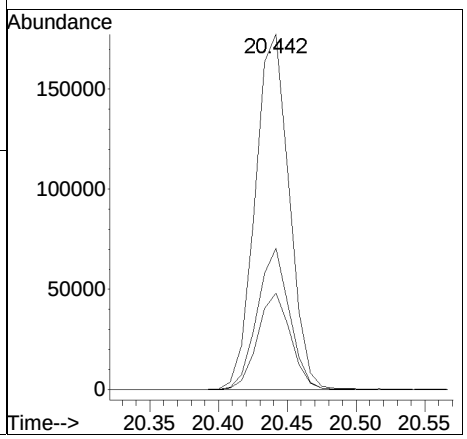


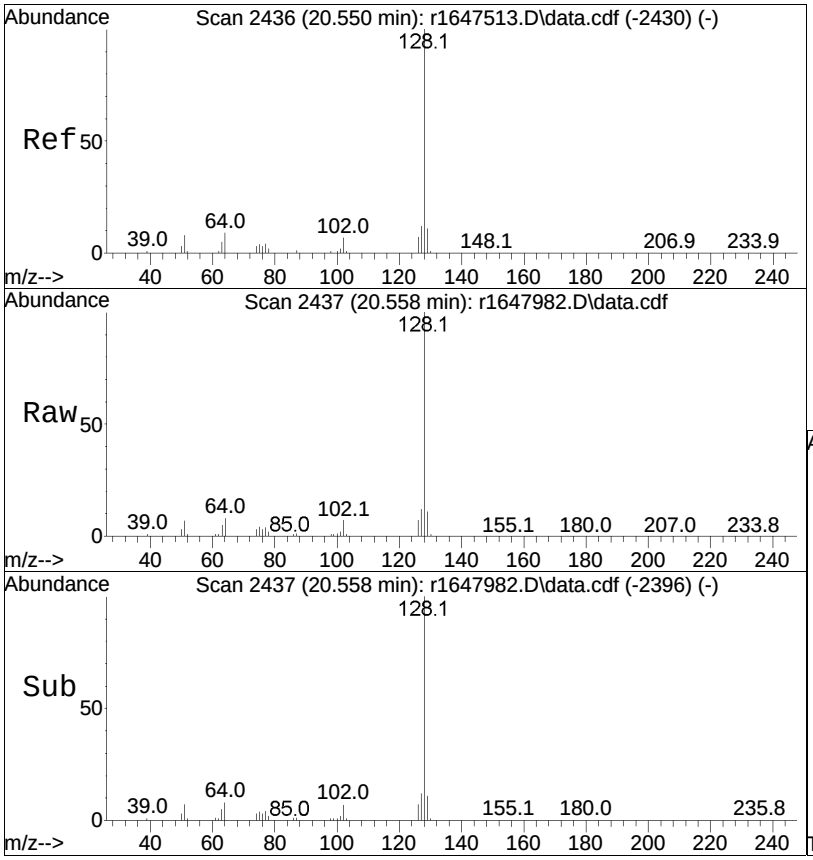


#115
1,2,4-trichlorobenzene
Concen: 12.48 ppbV
RT: 20.442 min Scan# 2423
Delta R.T. 0.008 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:180 Resp: 305049

Ion	Ratio	Lower	Upper
180	100		
145	39.7	31.5	47.3
109	27.1	21.1	31.7

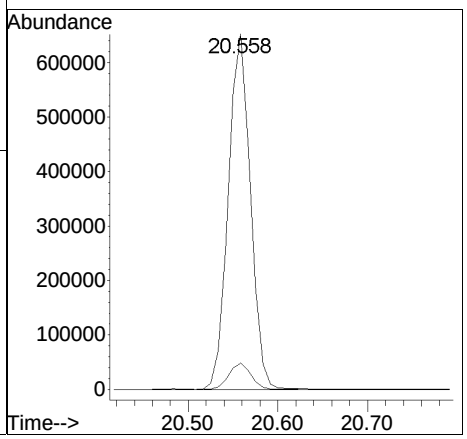


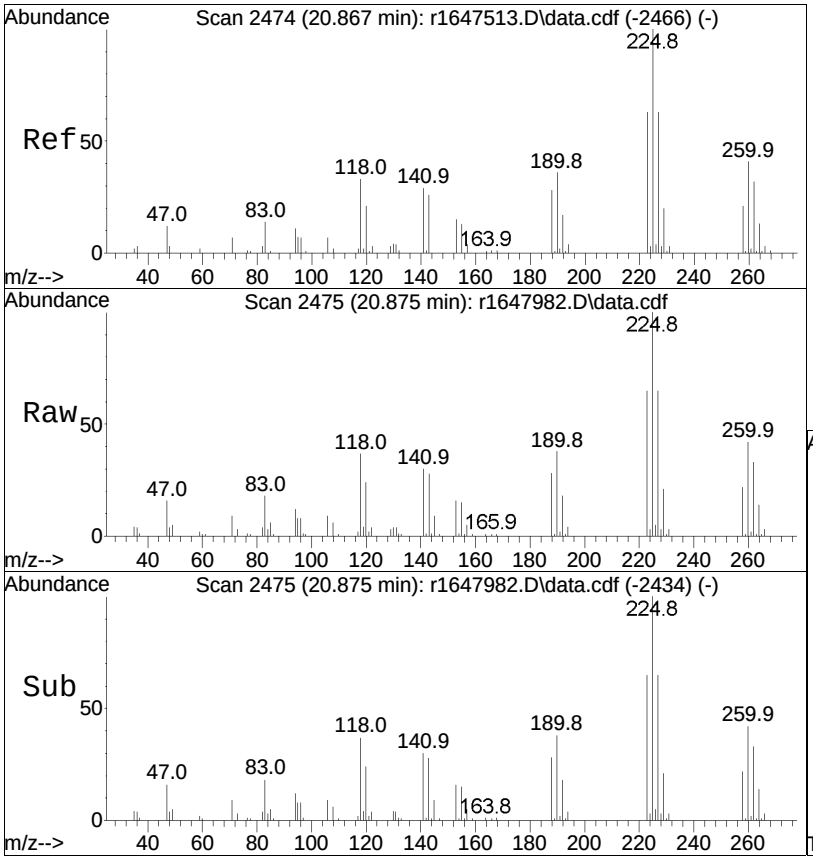


#116
naphthalene
Concen: 14.99 ppbV
RT: 20.558 min Scan# 2437
Delta R.T. 0.008 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:128 Resp: 1125545

Ion	Ratio	Lower	Upper
128	100		
102	7.4	5.8	8.8

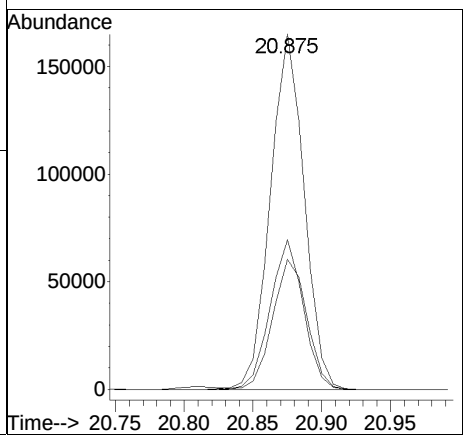




#119
hexachlorobutadiene
Concen: 12.02 ppbV
RT: 20.875 min Scan# 2475
Delta R.T. 0.008 min
Lab File: r1647982.D
Acq: 18 Jan 2025 10:58 AM

Tgt Ion:225 Resp: 281320

Ion	Ratio	Lower	Upper
225	100		
260	42.1	32.5	48.7
118	36.6	26.6	40.0



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647995.D
Acq On : 18 Jan 2025 11:36 PM
Operator : AIRLAB16:BJB
Sample : WG2021062-5,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:15:09 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.117	49	258169	10.000	ppbV	0.06
Standard Area = 258084			Recovery = 100.03%			
43) 1,4-difluorobenzene	11.333	114	697580	10.000	ppbV	0.05
Standard Area = 704126			Recovery = 99.07%			
67) chlorobenzene-D5	16.017	54	94792	10.000	ppbV	0.04
Standard Area = 97914			Recovery = 96.81%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	4.012	85	15030	0.647	ppbV	96
6) chloromethane	4.186	50	7957	0.634	ppbV	97
7) Freon-114	4.294		0	N.D.		
10) 1,3-butadiene	4.558		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	5.026		0	N.D.		
15) ethanol	5.170	31	98631	11.401	ppbV	95
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.683	43	126402M6	8.698	ppbV	
21) trichlorofluoromethane	5.873	101	4938	0.272	ppbV	97
22) isopropyl alcohol	5.963	45	102335	4.045	ppbV	99
27) tertiary butyl alcohol	6.630	59	14333	0.760	ppbV #	70
28) methylene chloride	6.714	49	3056	0.172	ppbV	93
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	7.020	76	2938	0.065	ppbV #	1
31) Freon 113	7.014	101	2289	0.088	ppbV	92
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	8.008		0	N.D.		
36) 2-butanone	8.433	43	59326	1.744	ppbV	98
38) Ethyl Acetate	9.200	61	2898	0.654	ppbV #	50
39) chloroform	9.275	83	1178	0.050	ppbV	95
40) Tetrahydrofuran	9.725	42	9479	0.473	ppbV	94
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	9.183	57	7684	0.358	ppbV #	34
50) benzene	10.920	78	12332	0.246	ppbV	99
53) cyclohexane	11.233	56	2972	0.130	ppbV	93
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647995.D
Acq On : 18 Jan 2025 11:36 PM
Operator : AIRLAB16:BJB
Sample : WG2021062-5,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:15:09 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118T\r1647982.D
Sub List : TO15-NY+NAPH-7-SIM - .

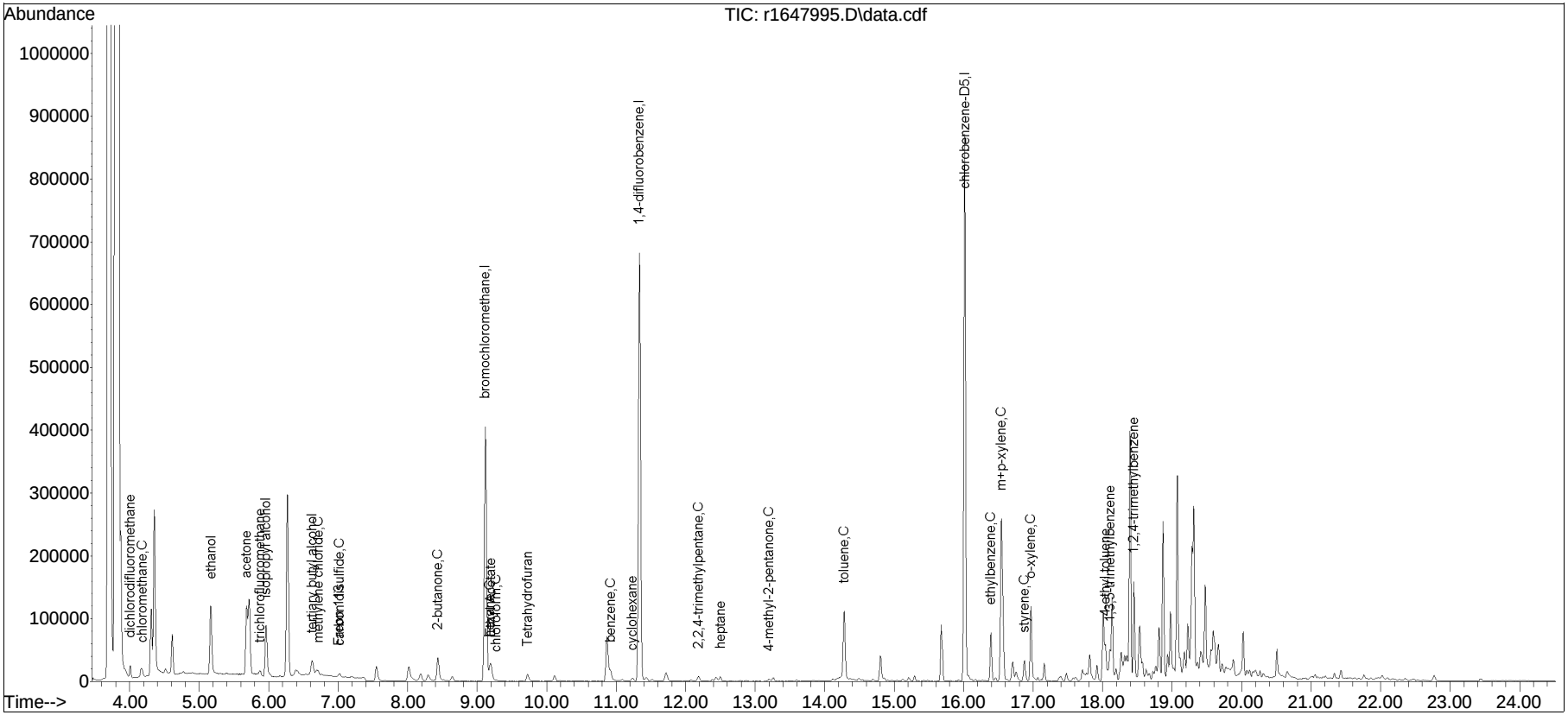
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	12.187	57	7139	0.102	ppbV #	88
62) heptane	12.500	43	4624	0.135	ppbV	97
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	13.200	43	4167	0.101	ppbV	94
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.283	91	87466	1.494	ppbV	100
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	16.075		0	N.D.		
81) ethylbenzene	16.392	91	56120	0.766	ppbV	95
83) m+p-xylene	16.542	91	205051	3.537	ppbV	97
84) bromoform	0.000		0	N.D.		
85) styrene	16.875	104	15017	0.313	ppbV	96
86) 1,1,2,2-tetrachloroethane	17.008		0	N.D.		
87) o-xylene	16.967	91	71857	1.216	ppbV	96
96) 4-ethyl toluene	18.042	105	24986M3	0.317	ppbV	
97) 1,3,5-trimethylbenzene	18.108	105	21608	0.317	ppbV	96
99) 1,2,4-trimethylbenzene	18.450	105	77711	1.158	ppbV #	60
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.583		0	N.D.		
103) 1,4-dichlorobenzene	18.650		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.583		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

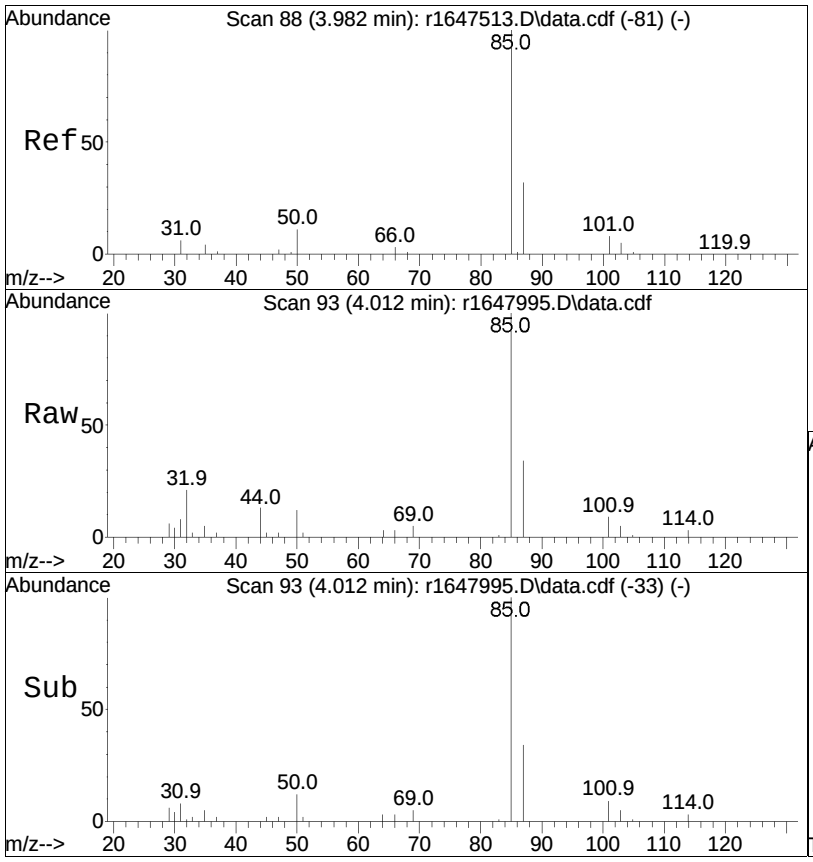
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .6\2025\01\0118T\r1647982.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118T\
Data File : r1647995.D
Acq On : 18 Jan 2025 11:36 PM
Operator : AIRLAB16:BJB
Sample : WG2021062-5,3,250,250
Misc : WG2021062,ICAL21800
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:15:09 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118T\TFS16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 12:17:48 2024
Response via : Initial Calibration

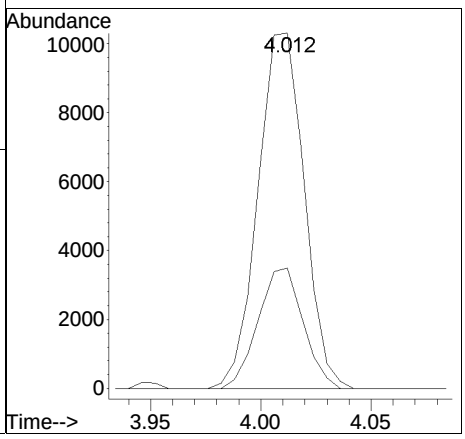


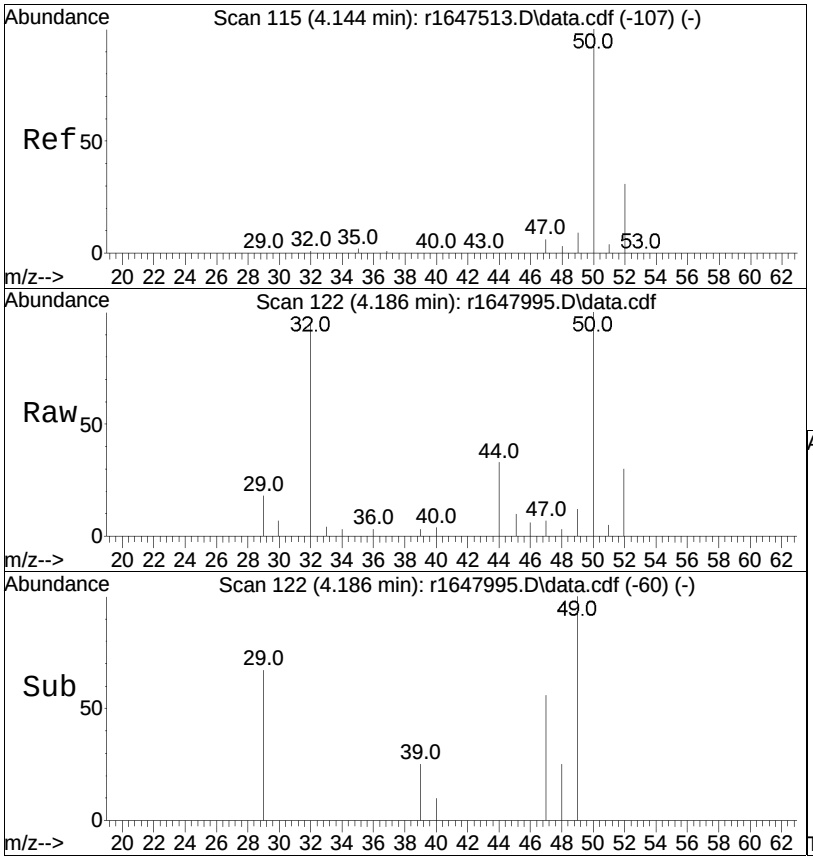


#5
dichlorodifluoromethane
Concen: 0.65 ppbV
RT: 4.012 min Scan# 93
Delta R.T. 0.030 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 85 Resp: 15030

Ion	Ratio	Lower	Upper
85	100		
87	33.9	25.5	38.3

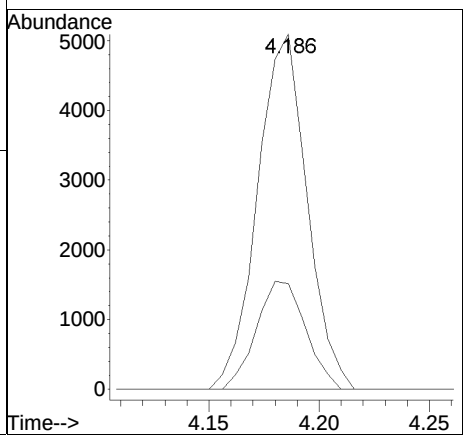


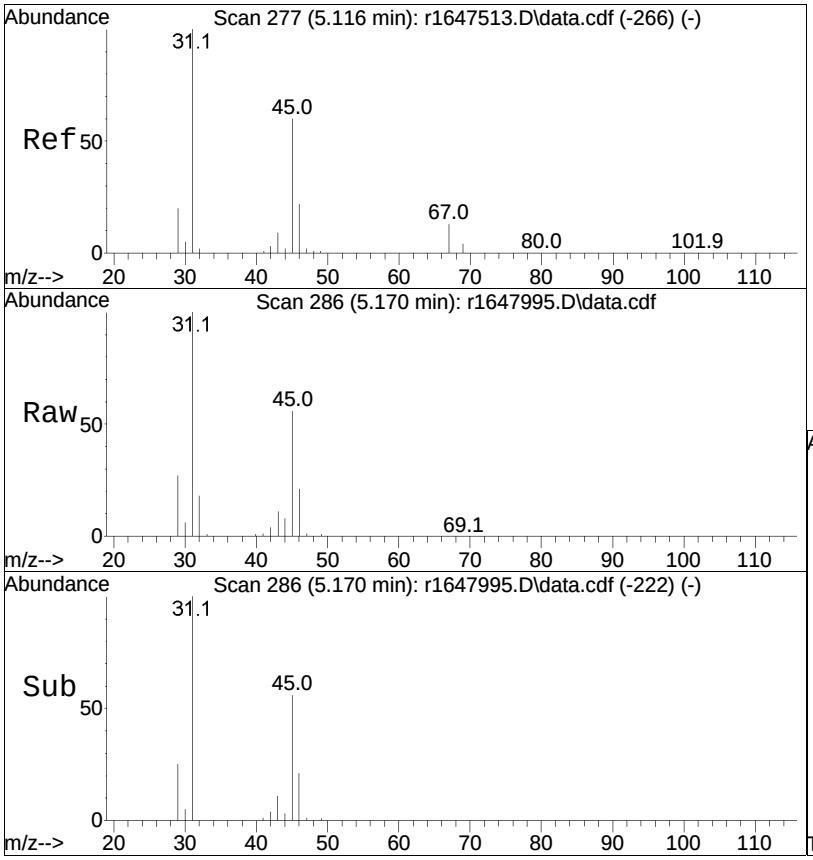


#6
chloromethane
Concen: 0.63 ppbV
RT: 4.186 min Scan# 122
Delta R.T. 0.042 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 50 Resp: 7957

Ion	Ratio	Lower	Upper
50	100		
52	29.8	25.2	37.8

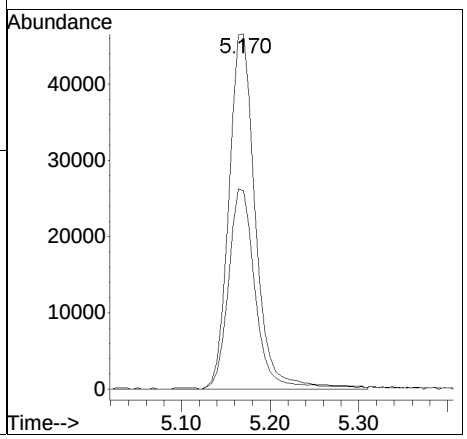


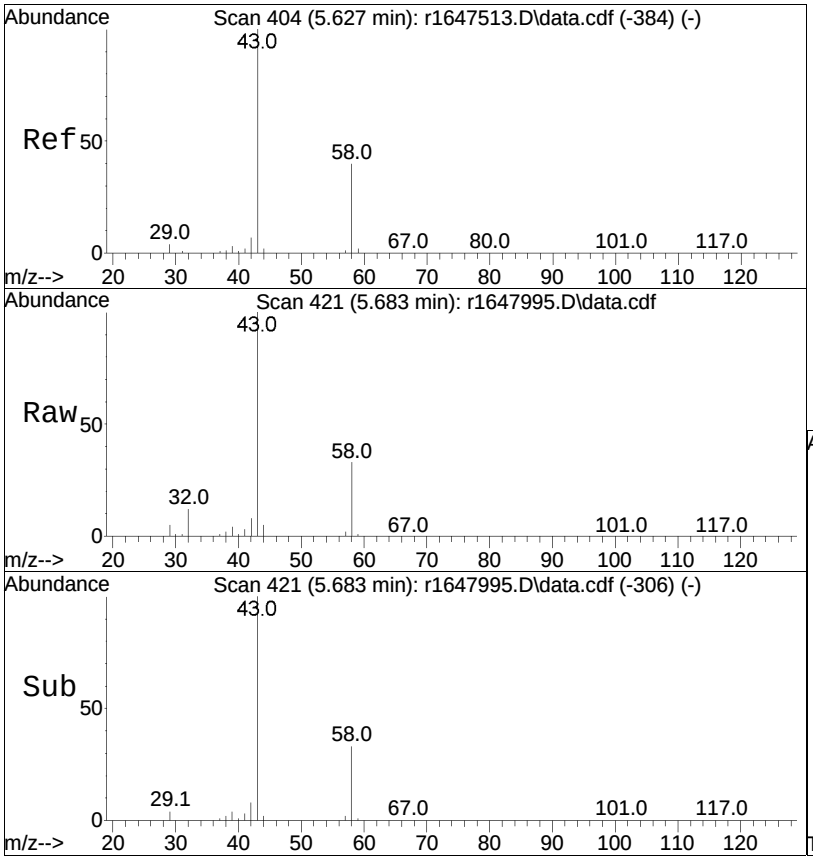


#15
ethanol
Concen: 11.40 ppbV
RT: 5.170 min Scan# 286
Delta R.T. 0.054 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 31 Resp: 98631

Ion	Ratio	Lower	Upper
31	100		
45	55.9	47.8	71.8

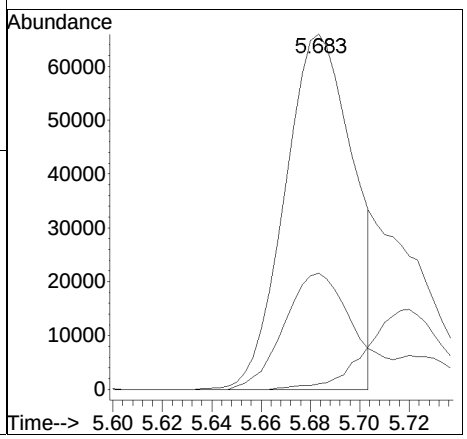


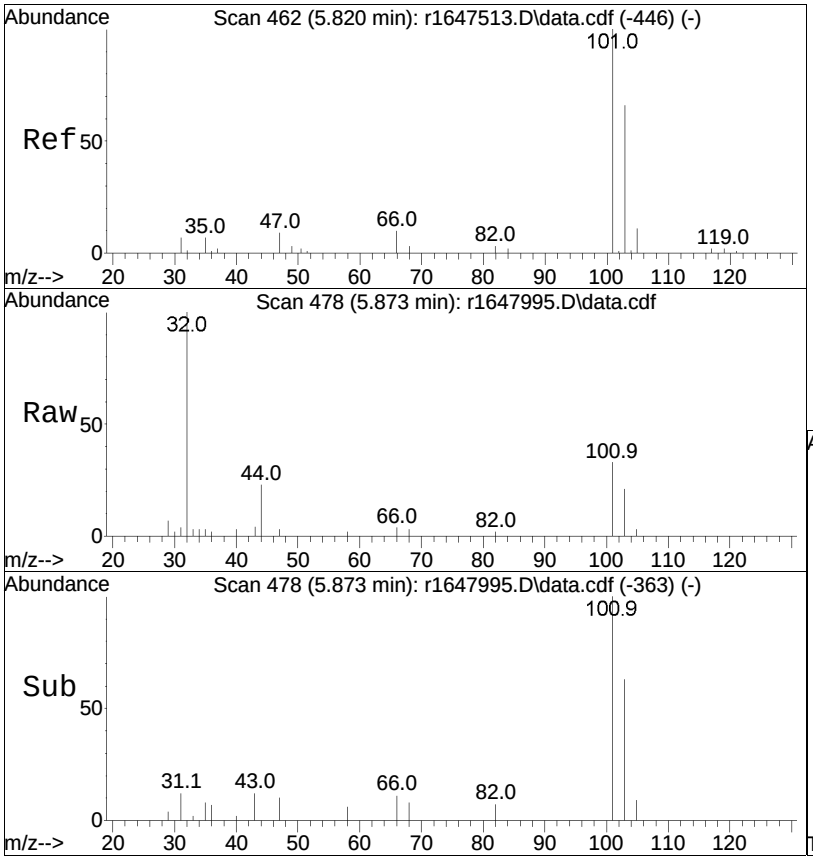


#19
acetone
Concen: 8.70 ppbV m
RT: 5.683 min Scan# 421
Delta R.T. 0.057 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 43 Resp: 126402

Ion	Ratio	Lower	Upper
43	100		
58	32.7	32.1	48.1
57	1.6	0.9	1.3#

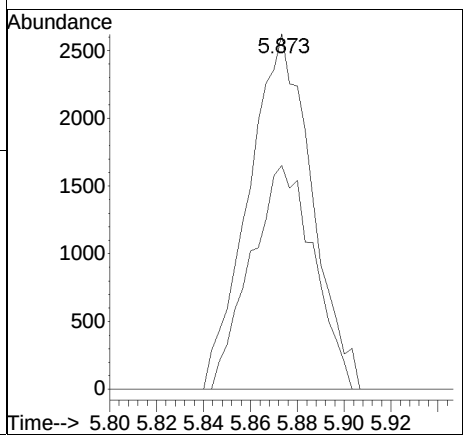


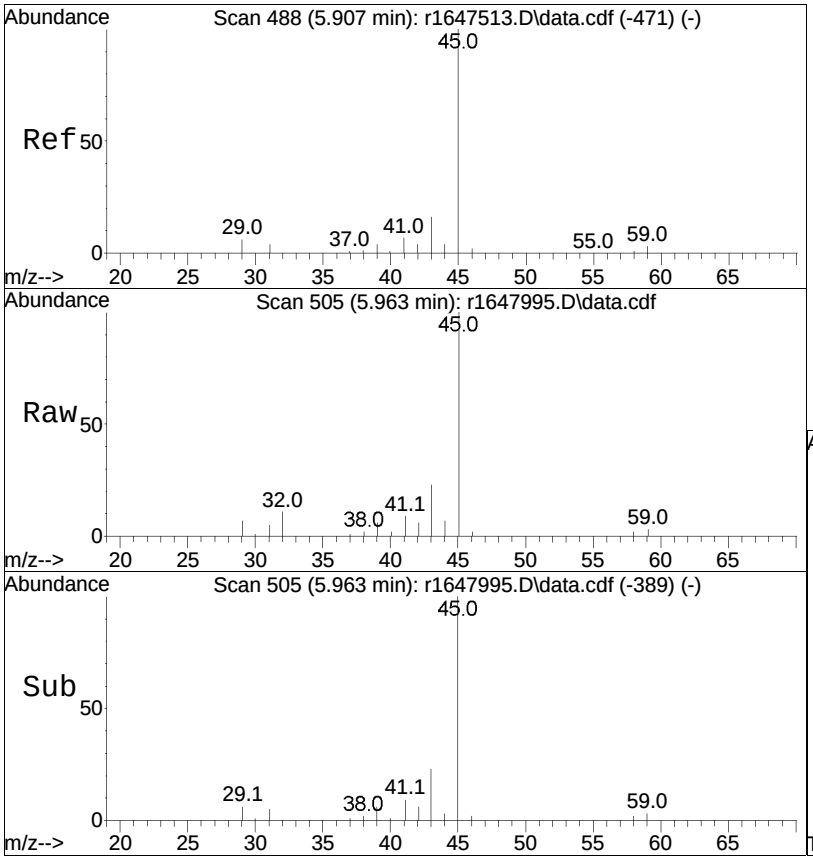


#21
trichlorofluoromethane
Concen: 0.27 ppbV
RT: 5.873 min Scan# 478
Delta R.T. 0.053 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion:101 Resp: 4938

Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.6	78.8

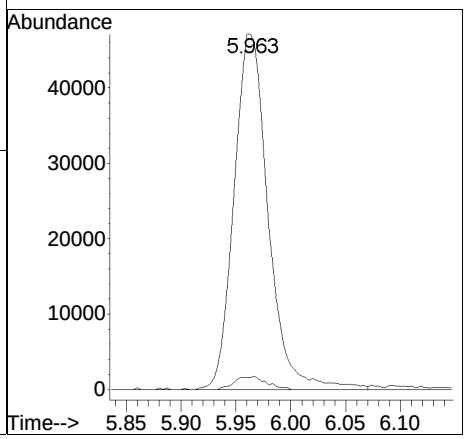


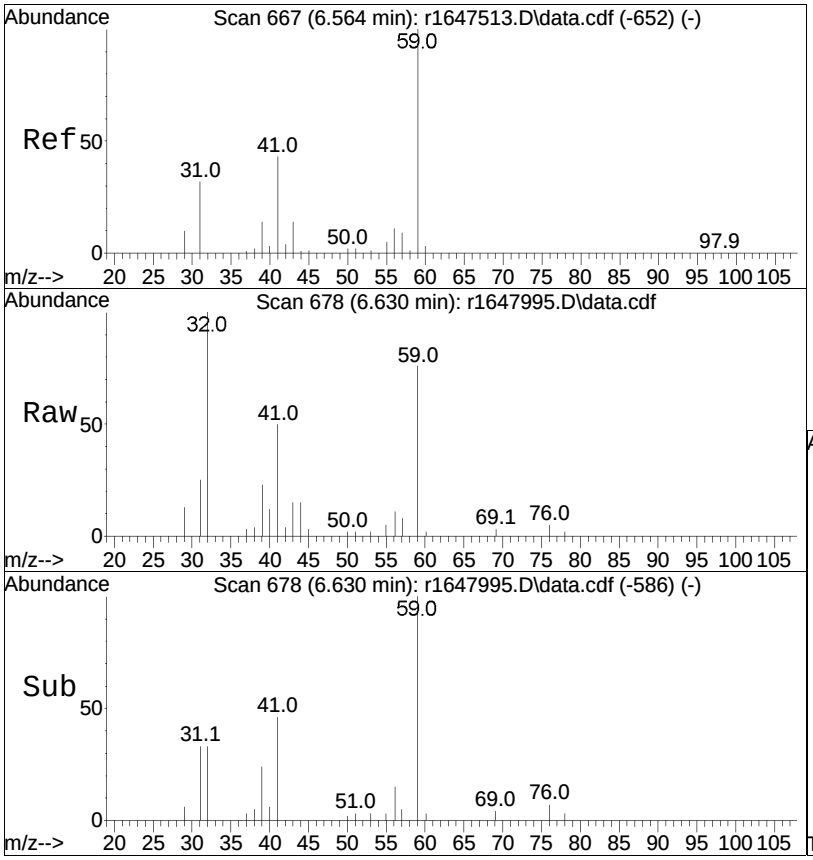


#22
isopropyl alcohol
Concen: 4.05 ppbV
RT: 5.963 min Scan# 505
Delta R.T. 0.057 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 45 Resp: 102335

Ion	Ratio	Lower	Upper
45	100		
59	3.4	2.5	3.7

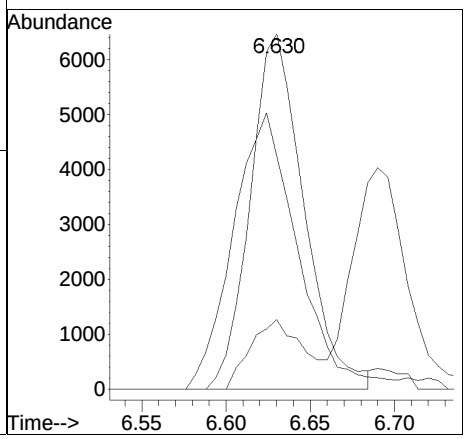


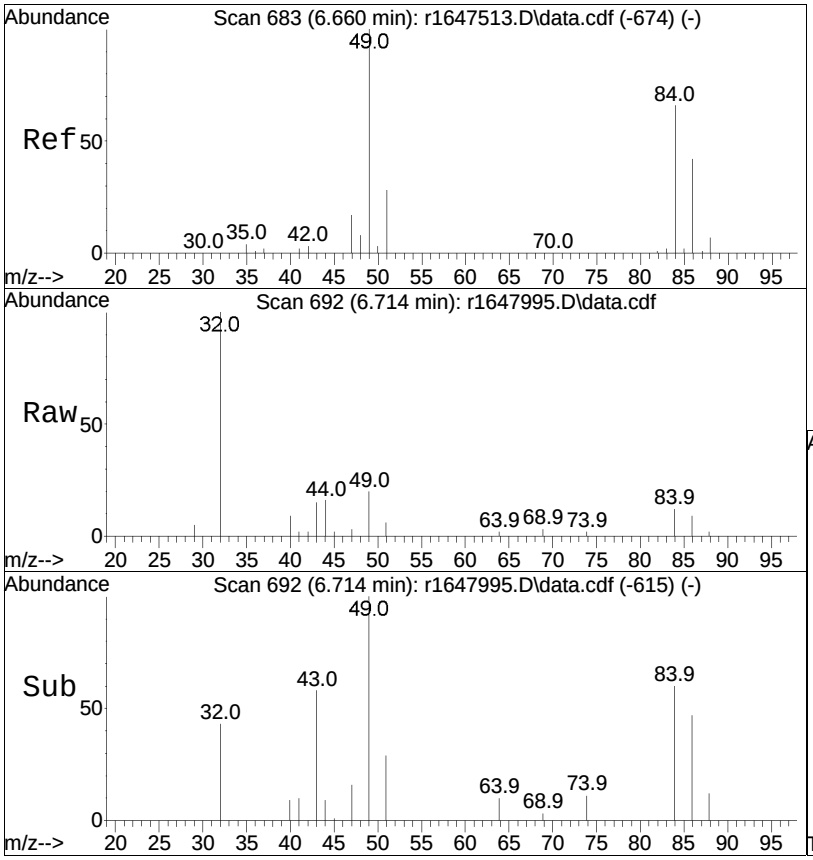


#27
tertiary butyl alcohol
Concen: 0.76 ppbV
RT: 6.630 min Scan# 678
Delta R.T. 0.066 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 59 Resp: 14333

Ion	Ratio	Lower	Upper
59	100		
41	65.8	34.6	52.0#
43	19.6	11.4	17.2#

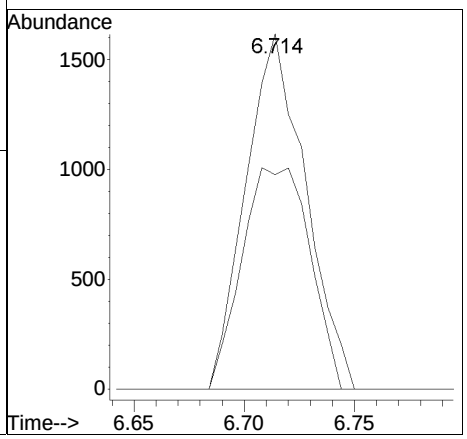


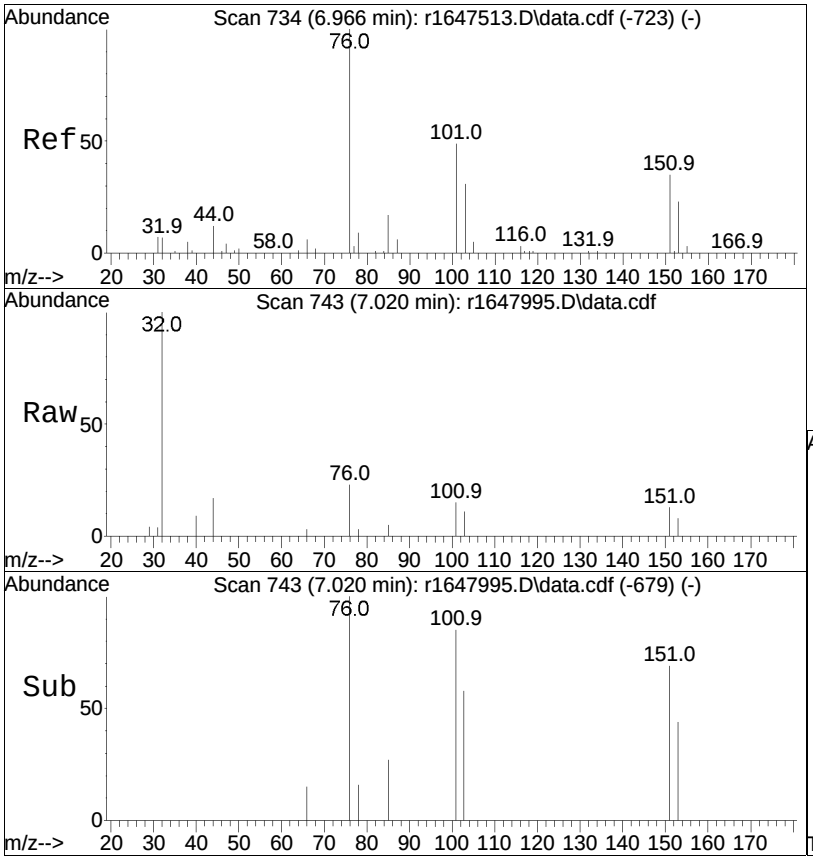


#28
methylene chloride
Concen: 0.17 ppbV
RT: 6.714 min Scan# 692
Delta R.T. 0.054 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 49 Resp: 3056

Ion	Ratio	Lower	Upper
49	100		
84	60.4	52.6	78.8

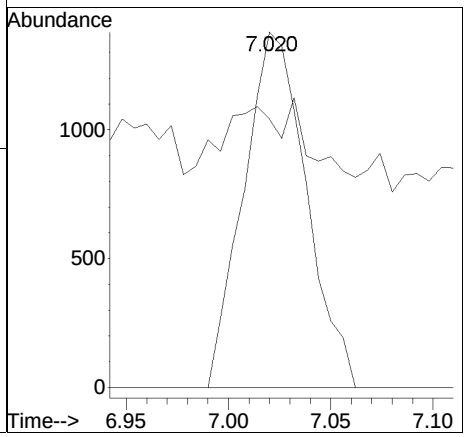


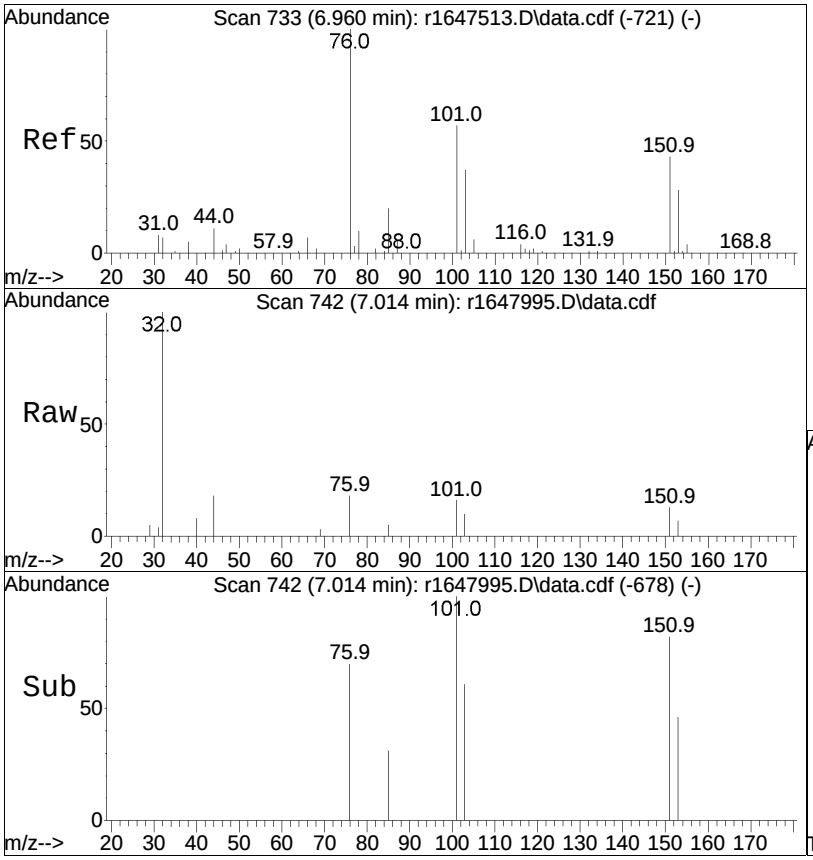


#30
carbon disulfide
Concen: 0.07 ppbV
RT: 7.020 min Scan# 743
Delta R.T. 0.054 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 76 Resp: 2938

Ion	Ratio	Lower	Upper
76	100		
44	75.5	9.8	14.6#

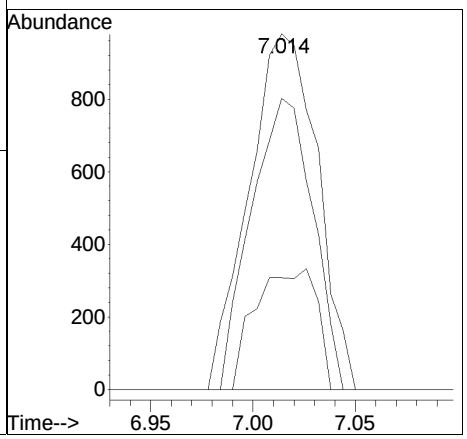


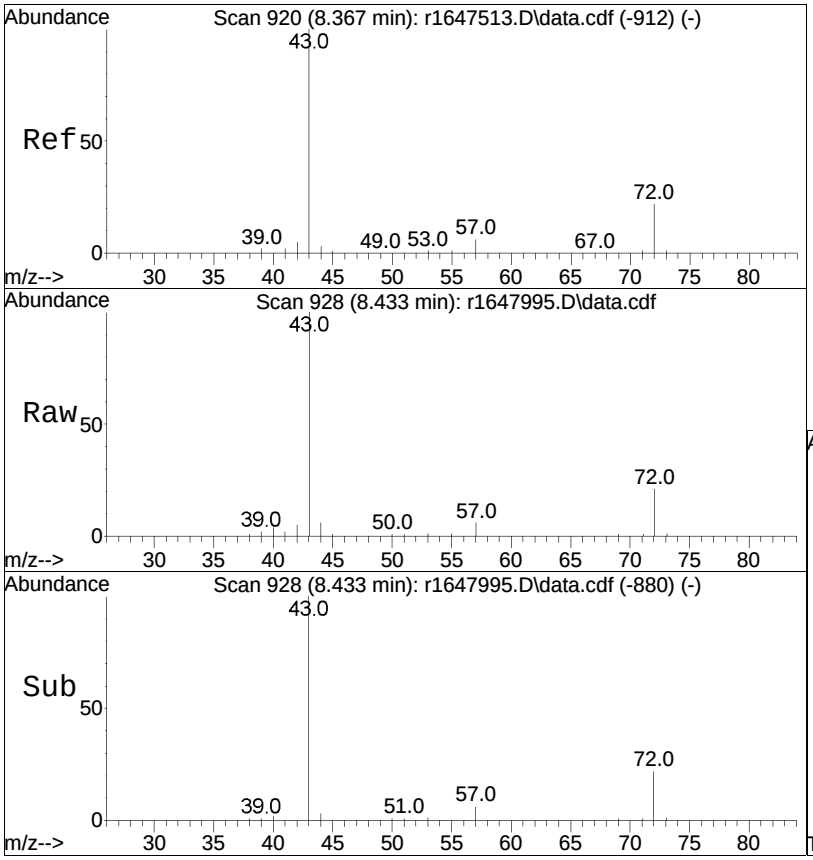


#31
Freon 113
Concen: 0.09 ppbV
RT: 7.014 min Scan# 742
Delta R.T. 0.054 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion:101 Resp: 2289

Ion	Ratio	Lower	Upper
101	100		
85	31.5	28.0	42.0
151	81.9	59.4	89.2

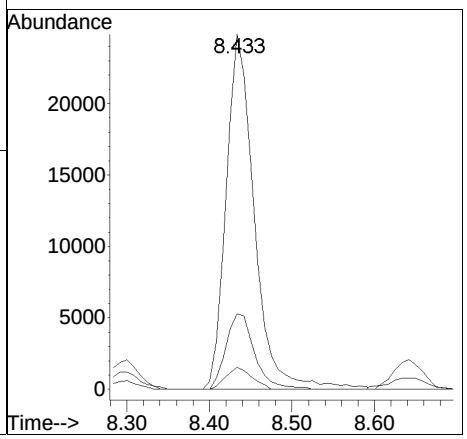


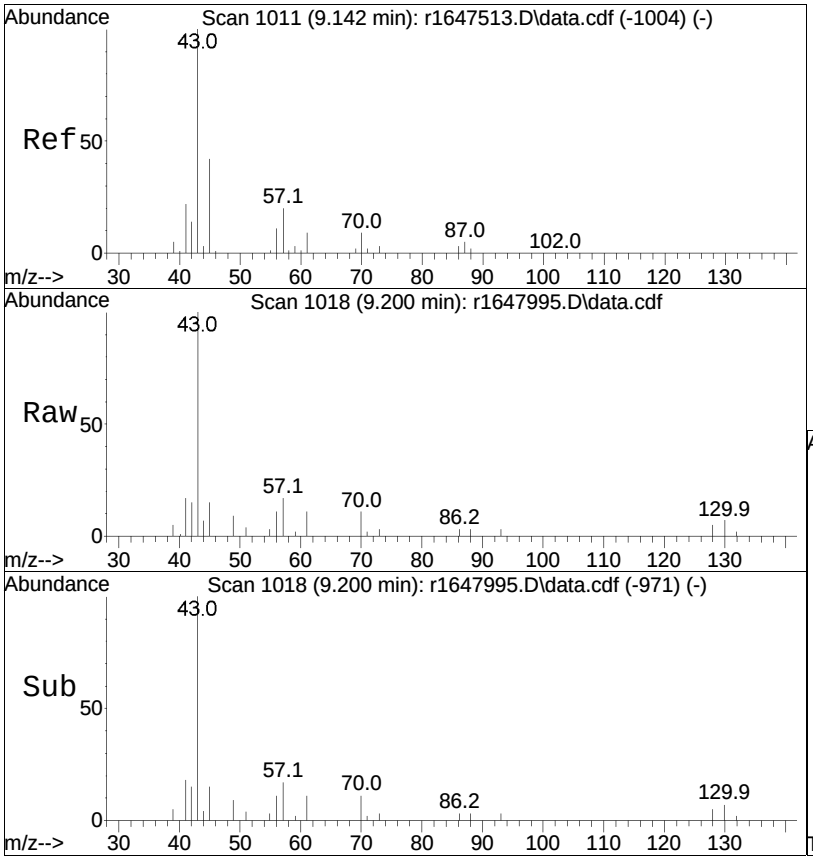


#36
2-butanone
Concen: 1.74 ppbV
RT: 8.433 min Scan# 928
Delta R.T. 0.067 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 43 Resp: 59326

Ion	Ratio	Lower	Upper
43	100		
72	21.3	17.7	26.5
57	6.2	4.6	6.8

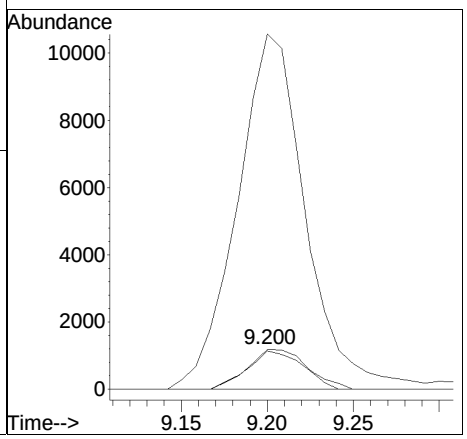


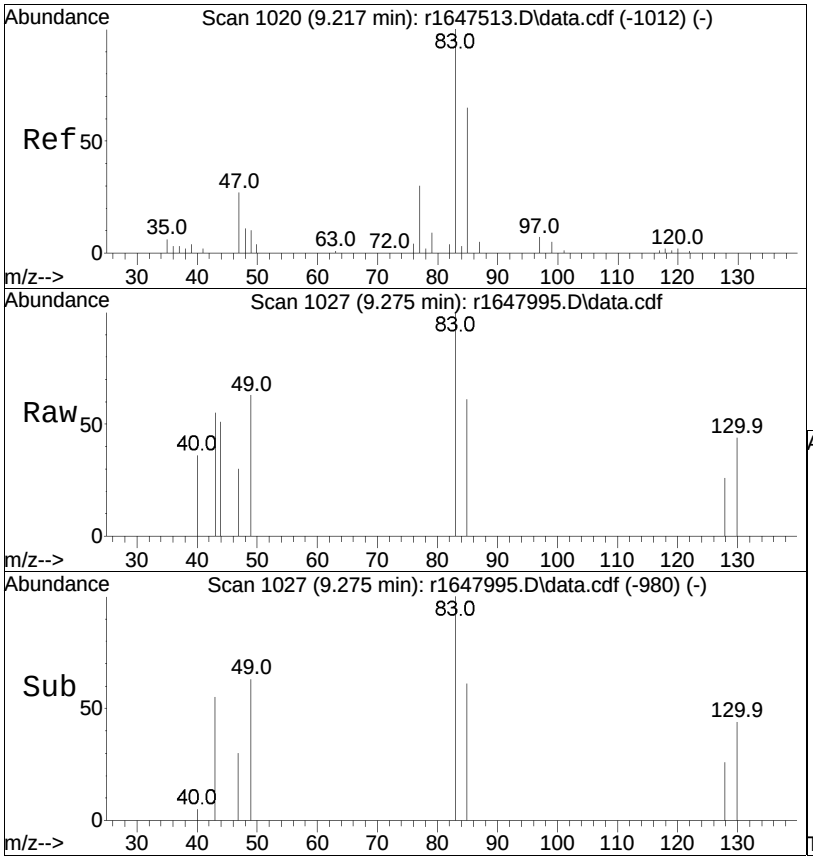


#38
Ethyl Acetate
Concen: 0.65 ppbV
RT: 9.200 min Scan# 1018
Delta R.T. 0.058 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 61 Resp: 2898

Ion	Ratio	Lower	Upper
61	100		
70	96.1	80.3	120.5
43	887.3	925.3	1387.9#

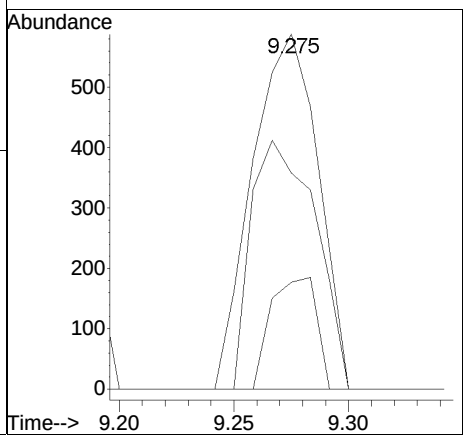


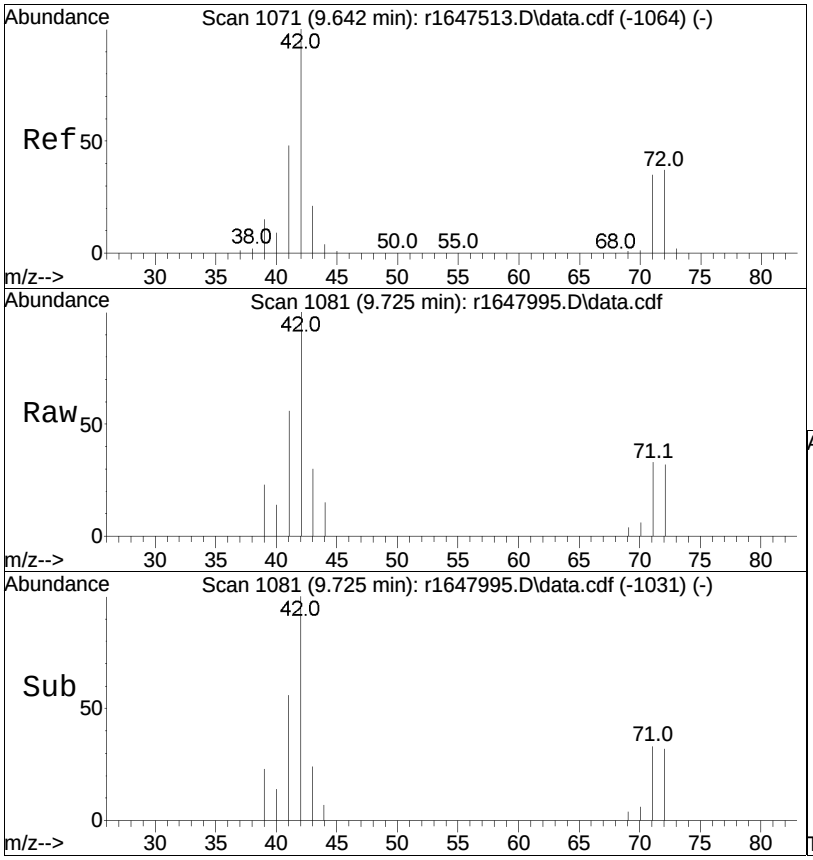


#39
chloroform
Concen: 0.05 ppbV
RT: 9.275 min Scan# 1027
Delta R.T. 0.058 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 83 Resp: 1178

Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.8	77.6
47	30.1	21.7	32.5

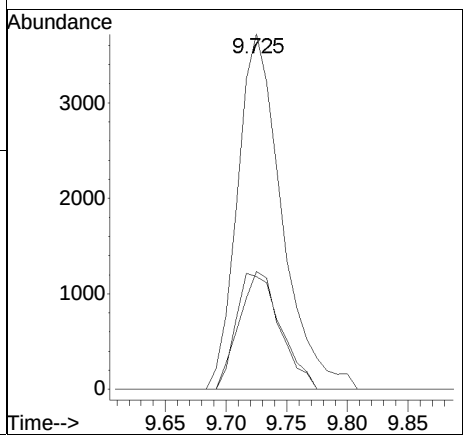


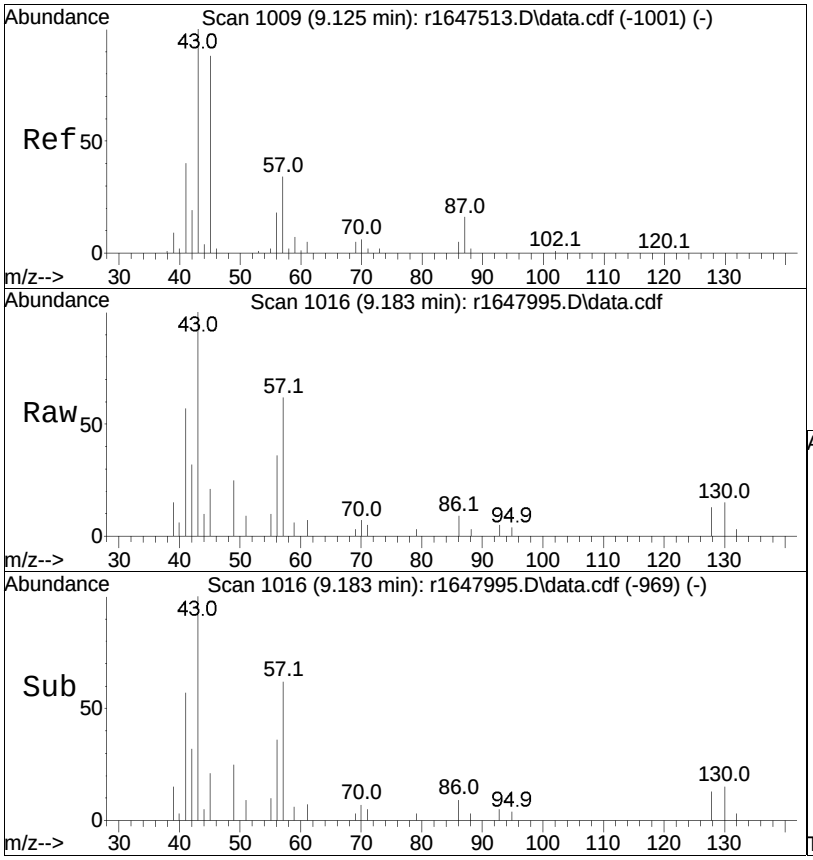


#40
Tetrahydrofuran
Concen: 0.47 ppbV
RT: 9.725 min Scan# 1081
Delta R.T. 0.083 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 42 Resp: 9479

Ion	Ratio	Lower	Upper
42	100		
71	33.2	28.2	42.2
72	31.7	29.8	44.6

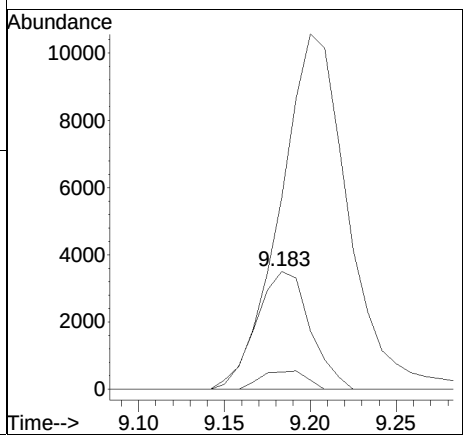


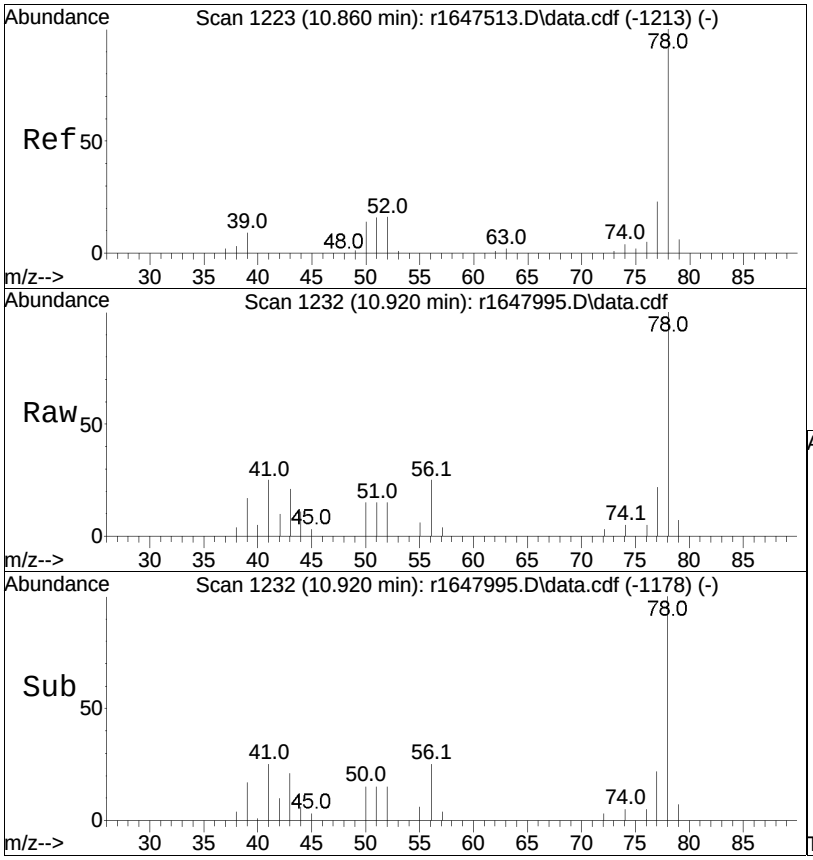


#44
hexane
Concen: 0.36 ppbV
RT: 9.183 min Scan# 1016
Delta R.T. 0.058 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 57 Resp: 7684

Ion	Ratio	Lower	Upper
57	100		
43	162.5	238.6	357.8#
86	14.8	12.3	18.5

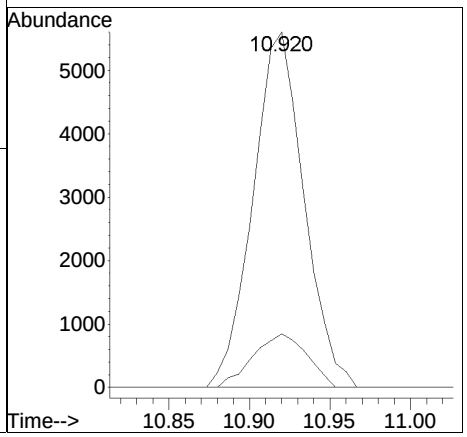


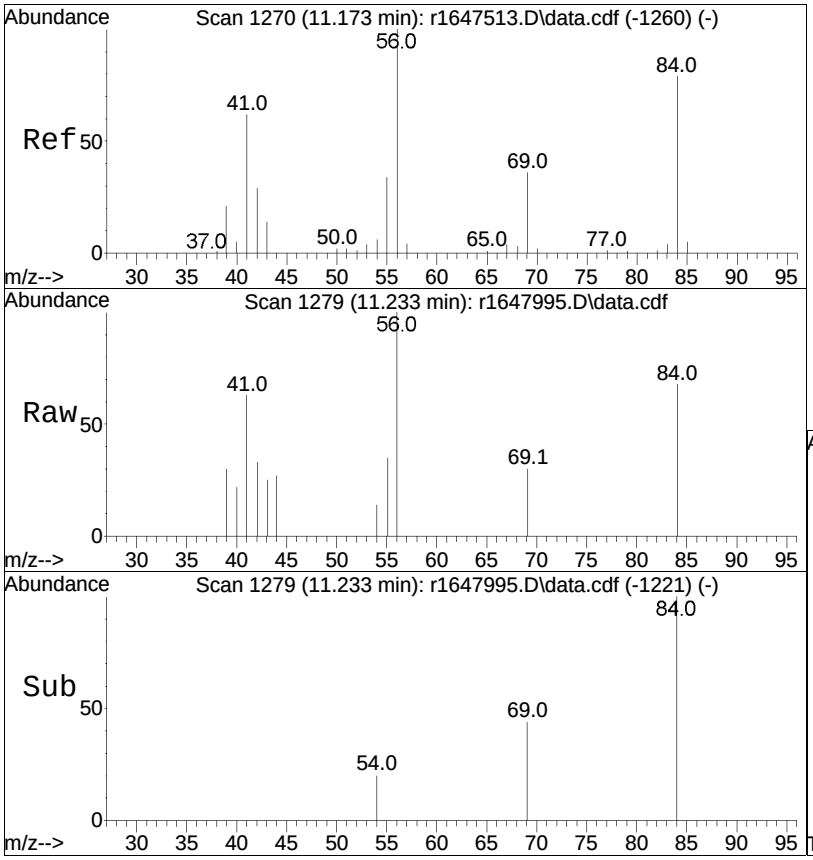


#50
benzene
Concen: 0.25 ppbV
RT: 10.920 min Scan# 1232
Delta R.T. 0.060 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 78 Resp: 12332

Ion	Ratio	Lower	Upper
78	100		
52	15.1	12.5	18.7

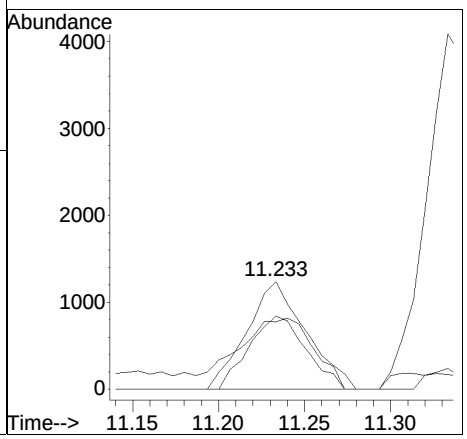


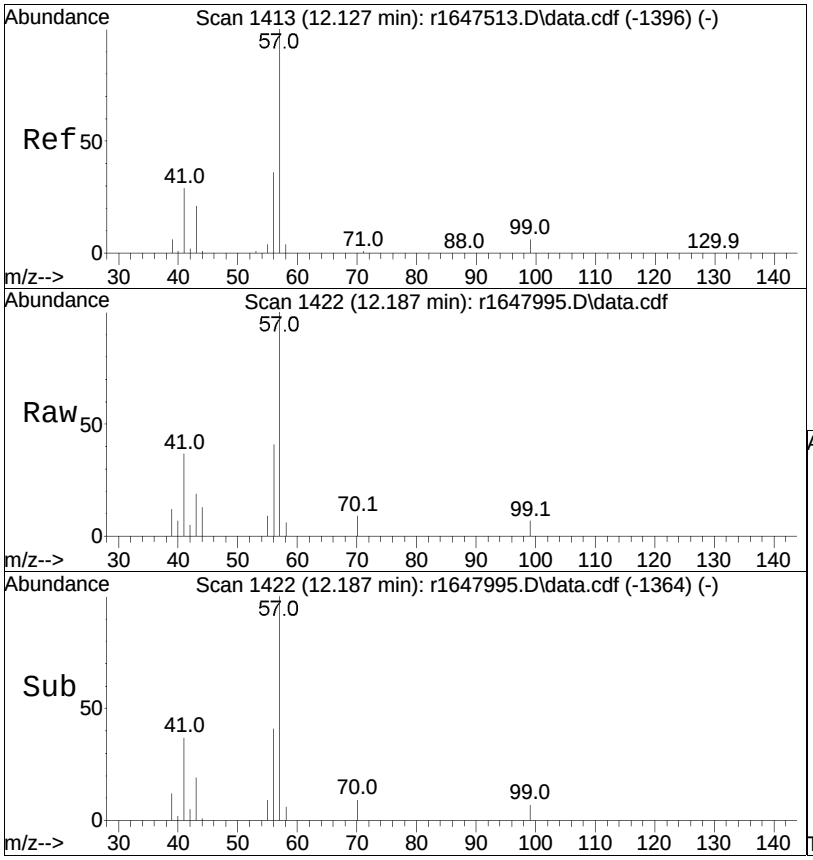


#53
cyclohexane
Concen: 0.13 ppbV
RT: 11.233 min Scan# 1279
Delta R.T. 0.060 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 56 Resp: 2972

Ion	Ratio	Lower	Upper
56	100		
84	68.1	63.4	95.0
41	62.8	49.8	74.6

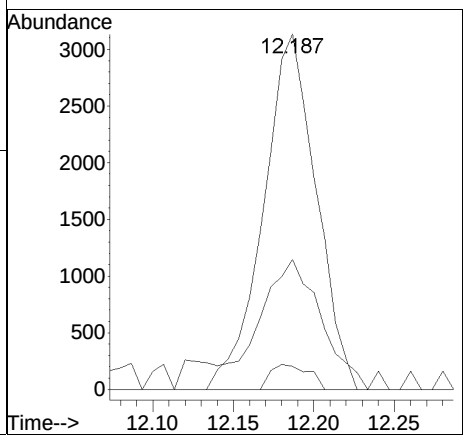


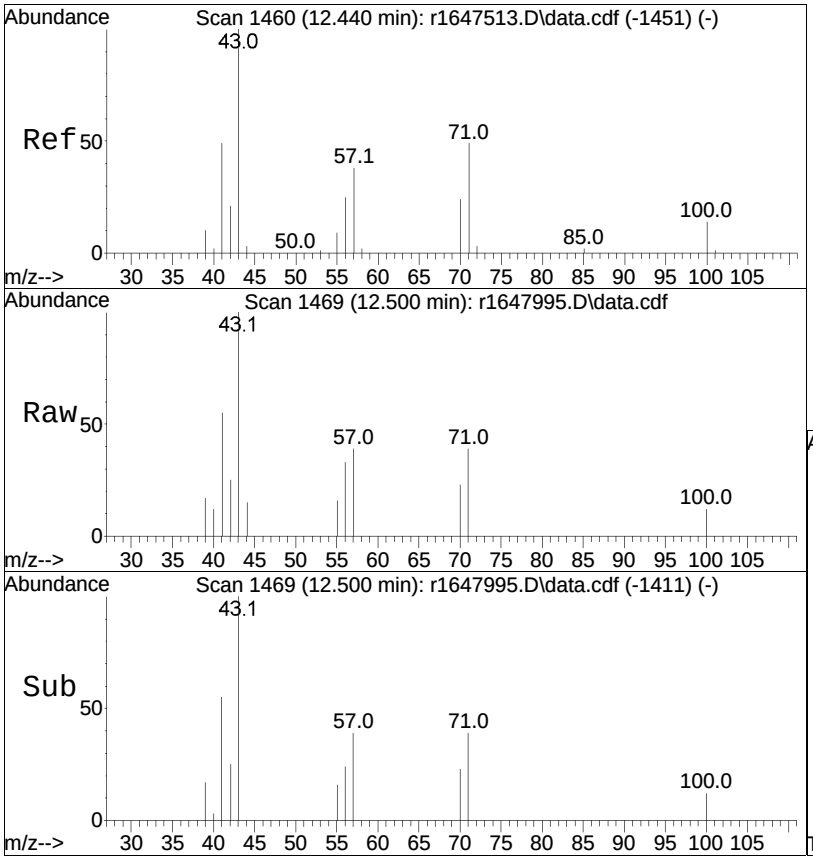


#60
2,2,4-trimethylpentane
Concen: 0.10 ppbV
RT: 12.187 min Scan# 1422
Delta R.T. 0.060 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 57 Resp: 7139

Ion	Ratio	Lower	Upper
57	100		
99	6.5	4.6	7.0
41	36.6	23.0	34.6#

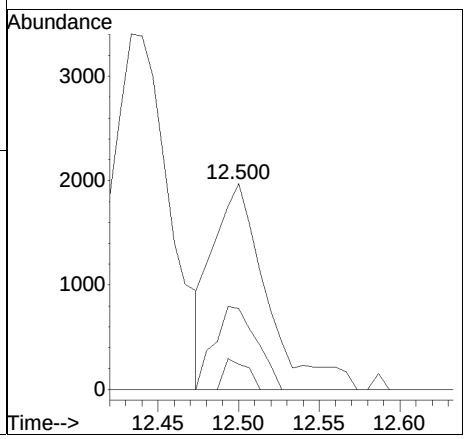


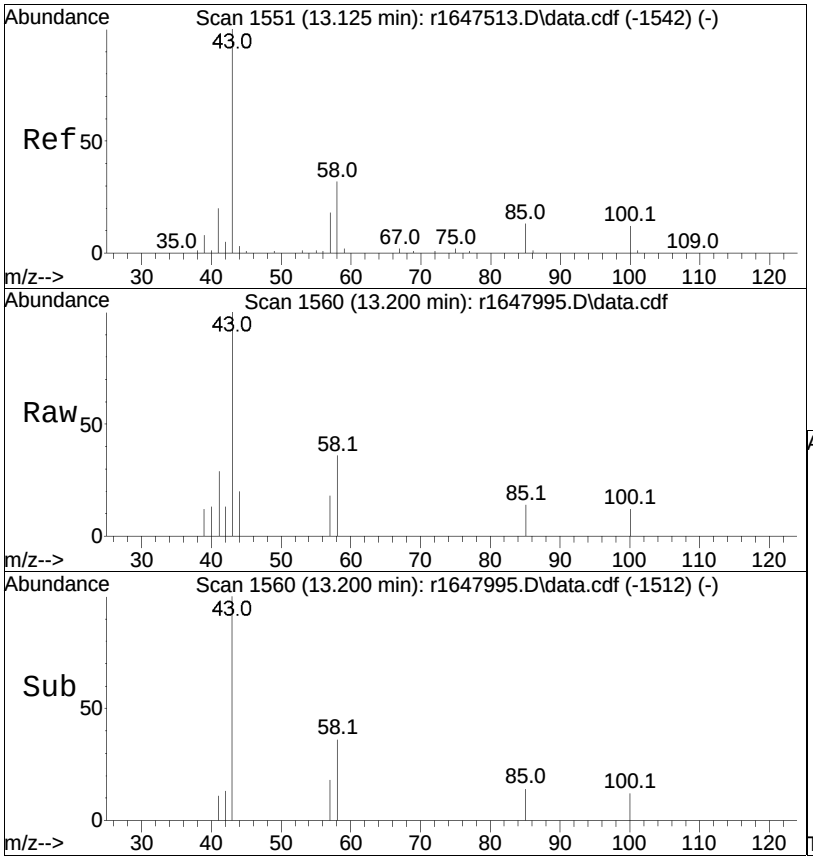


#62
heptane
Concen: 0.14 ppbV
RT: 12.500 min Scan# 1469
Delta R.T. 0.060 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 43 Resp: 4624

Ion	Ratio	Lower	Upper
43	100		
57	39.3	30.5	45.7
100	12.2	11.1	16.7

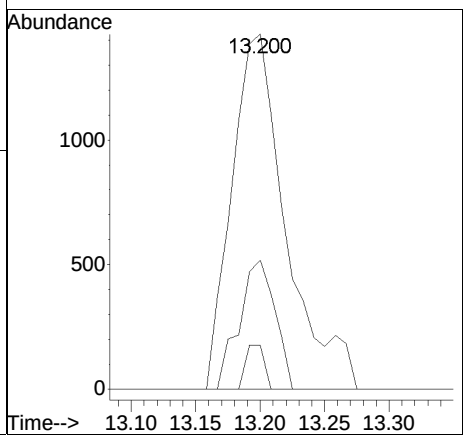


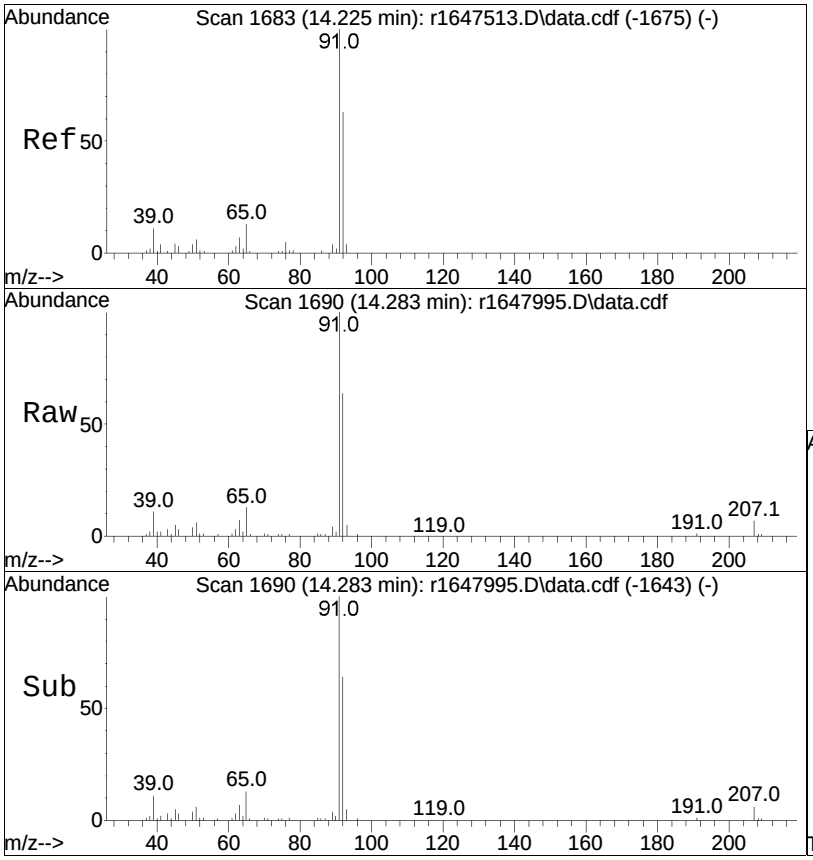


#64
4-methyl-2-pentanone
Concen: 0.10 ppbV
RT: 13.200 min Scan# 1560
Delta R.T. 0.075 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 43 Resp: 4167

Ion	Ratio	Lower	Upper
43	100		
58	36.4	25.4	38.0
100	12.4	9.8	14.6

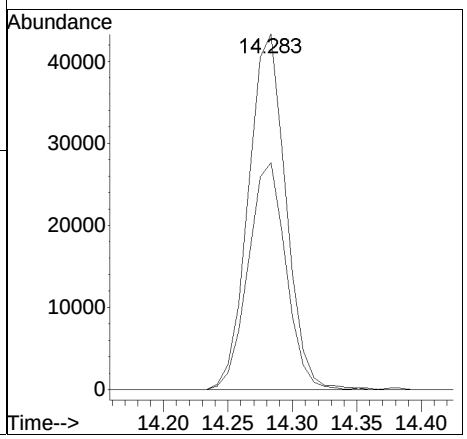


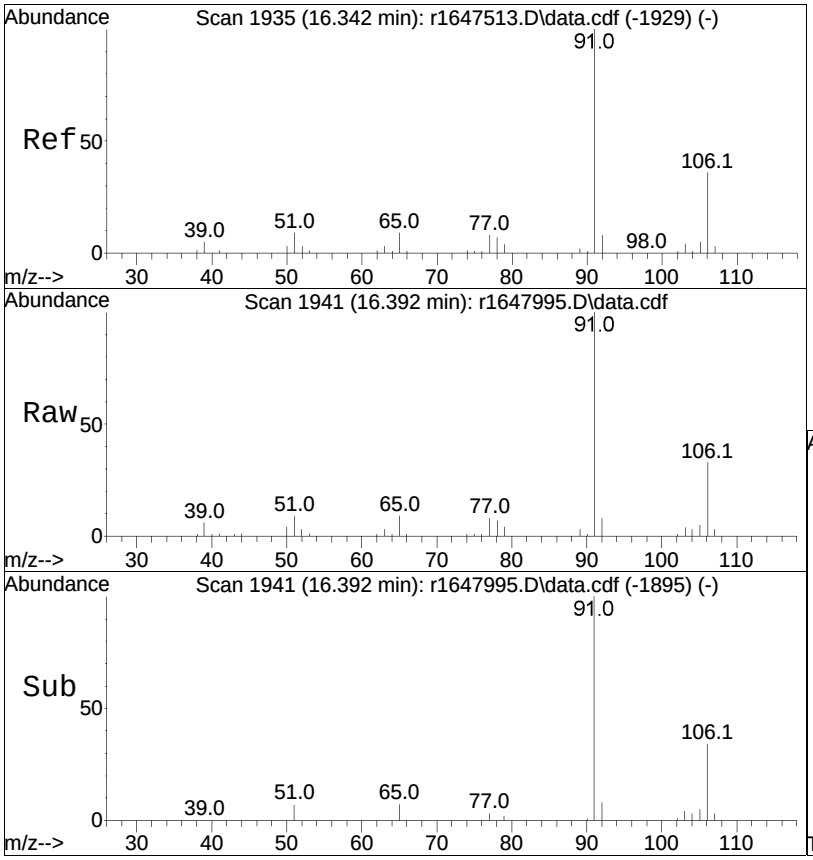


#68
toluene
Concen: 1.49 ppbV
RT: 14.283 min Scan# 1690
Delta R.T. 0.058 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 91 Resp: 87466

Ion	Ratio	Lower	Upper
91	100		
92	63.9	50.8	76.2

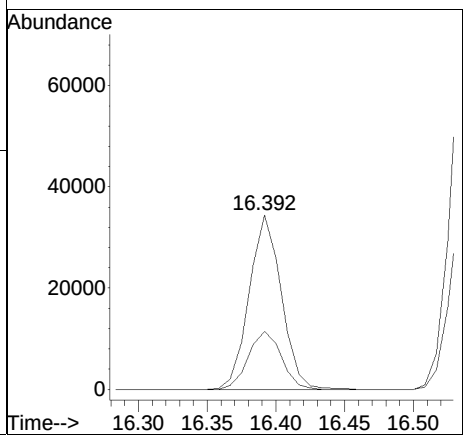


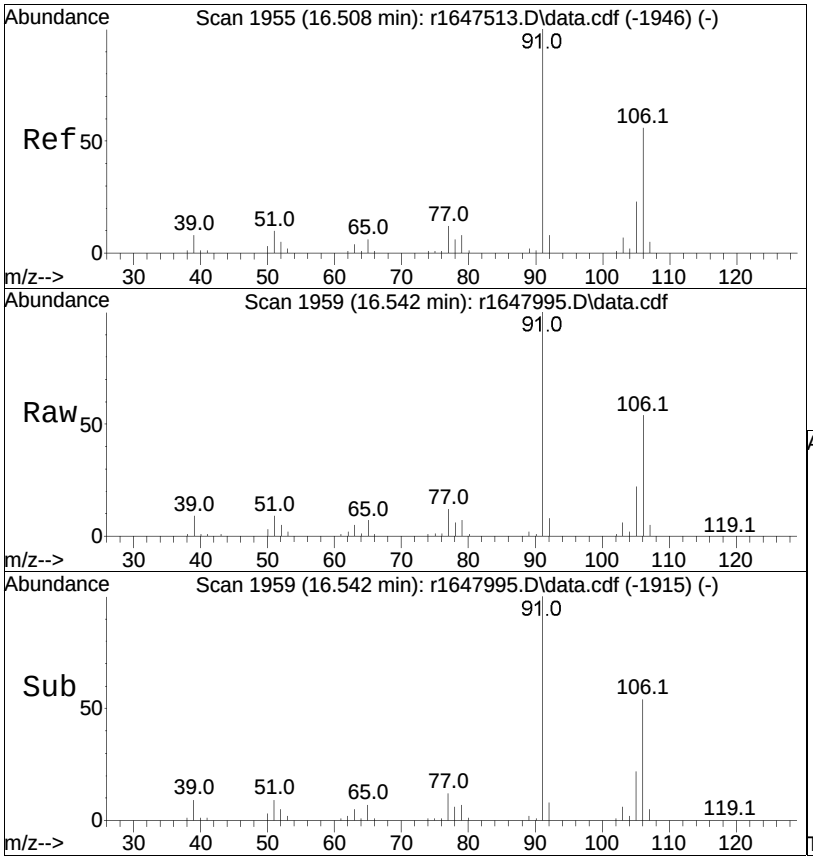


#81
ethylbenzene
Concen: 0.77 ppbV
RT: 16.392 min Scan# 1941
Delta R.T. 0.050 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 91 Resp: 56120

Ion	Ratio	Lower	Upper
91	100		
106	33.3	29.0	43.6

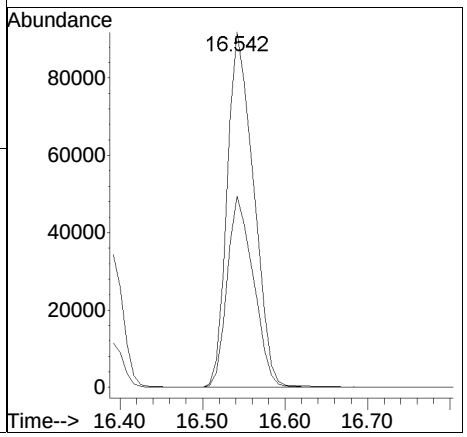


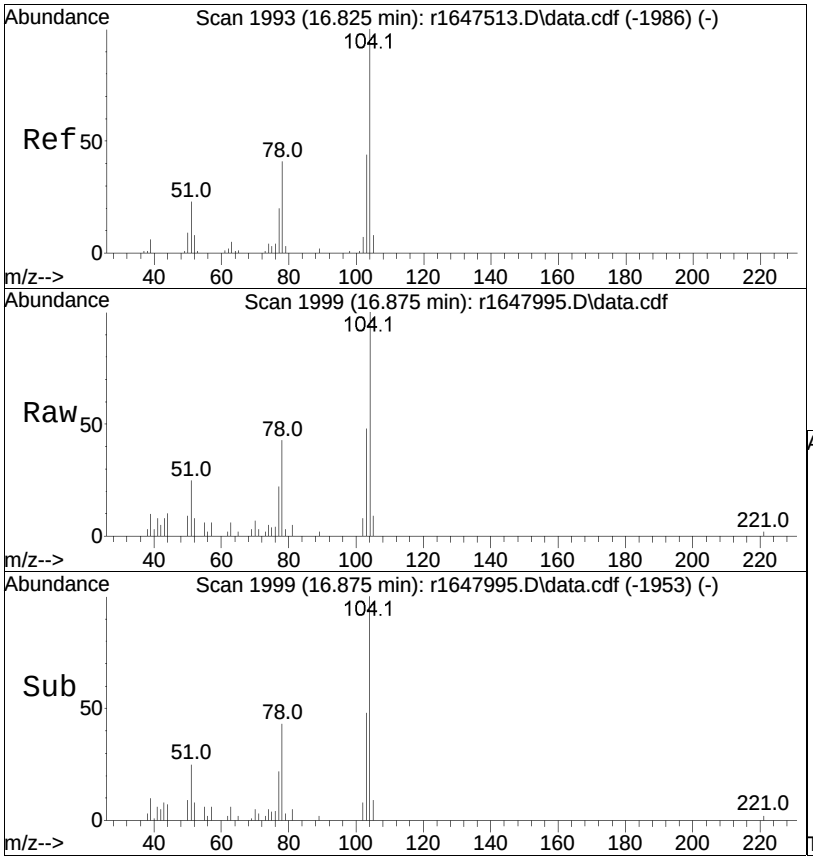


#83
m+p-xylene
Concen: 3.54 ppbV
RT: 16.542 min Scan# 1959
Delta R.T. 0.033 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 91 Resp: 205051

Ion	Ratio	Lower	Upper
91	100		
106	53.9	45.0	67.4

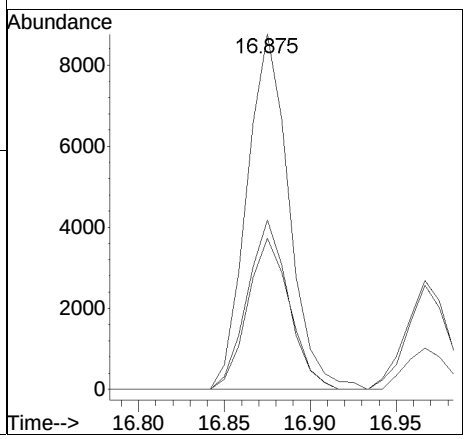


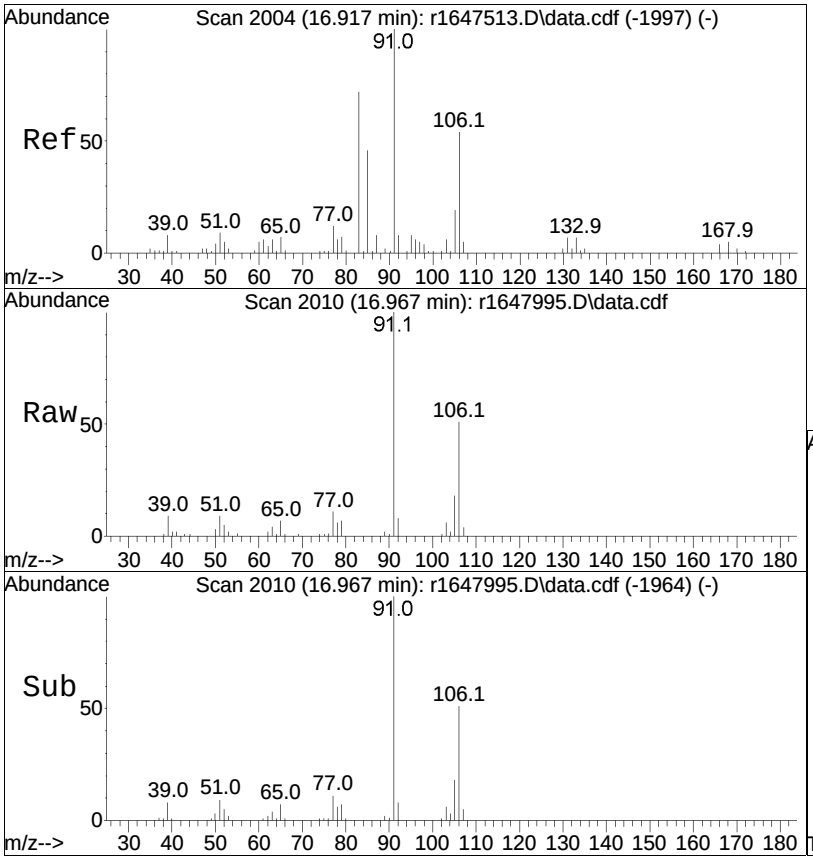


#85
styrene
Concen: 0.31 ppbV
RT: 16.875 min Scan# 1999
Delta R.T. 0.050 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion:104 Resp: 15017

Ion	Ratio	Lower	Upper
104	100		
103	47.7	35.3	52.9
78	42.5	32.5	48.7

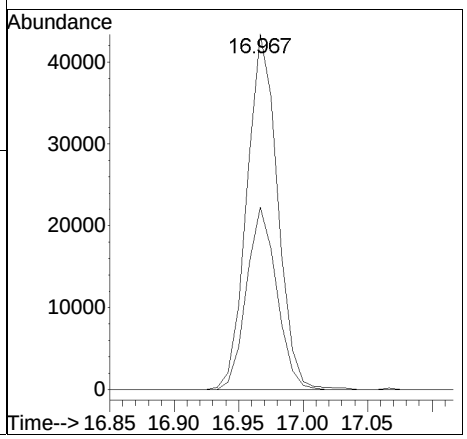


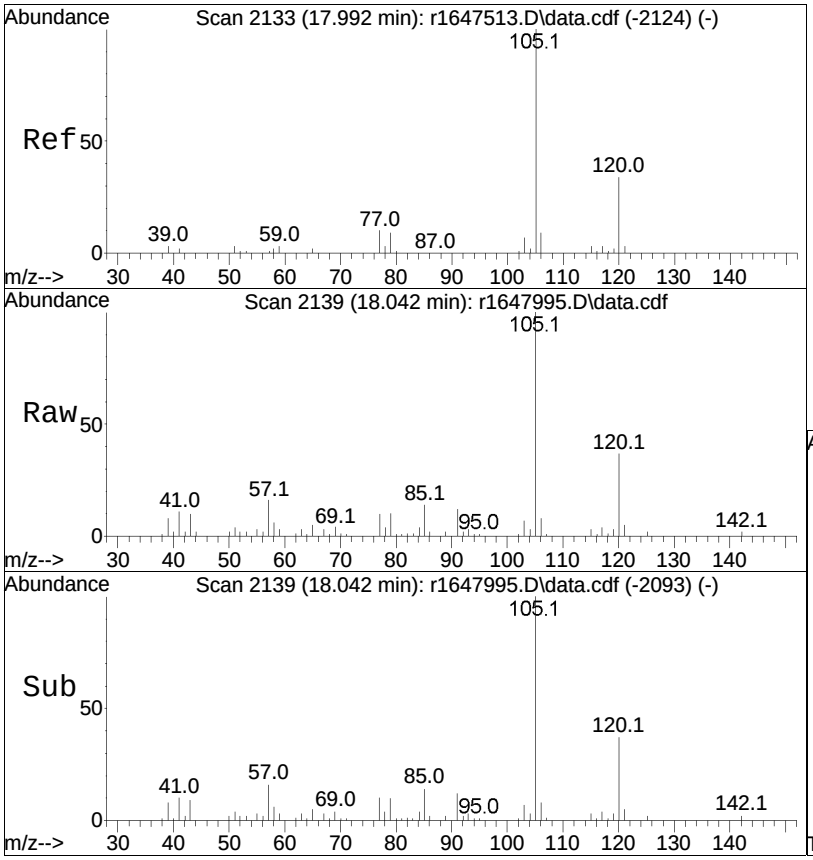


#87
o-xylene
Concen: 1.22 ppbV
RT: 16.967 min Scan# 2010
Delta R.T. 0.050 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion: 91 Resp: 71857

Ion	Ratio	Lower	Upper
91	100		
106	51.3	43.2	64.8

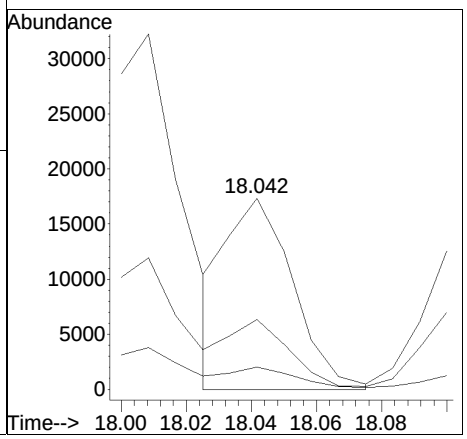


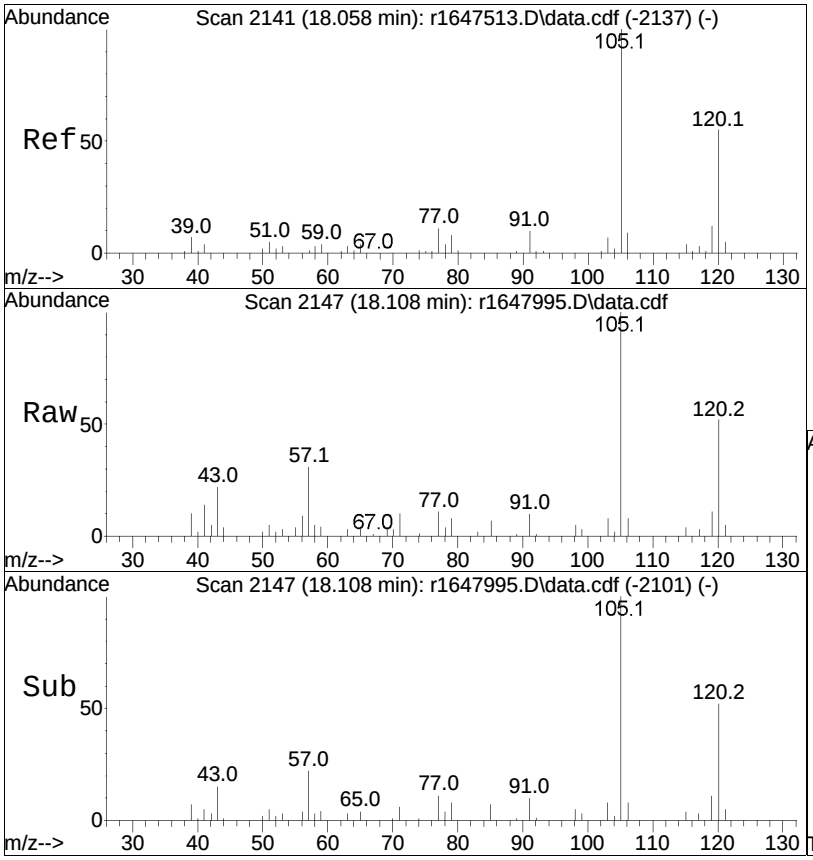


#96
4-ethyl toluene
Concen: 0.32 ppbV m
RT: 18.042 min Scan# 2139
Delta R.T. 0.050 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion:105 Resp: 24986

Ion	Ratio	Lower	Upper
105	100		
120	36.6	27.3	40.9
91	11.7	7.9	11.9

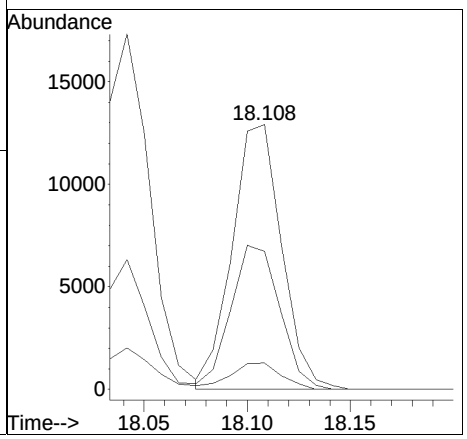


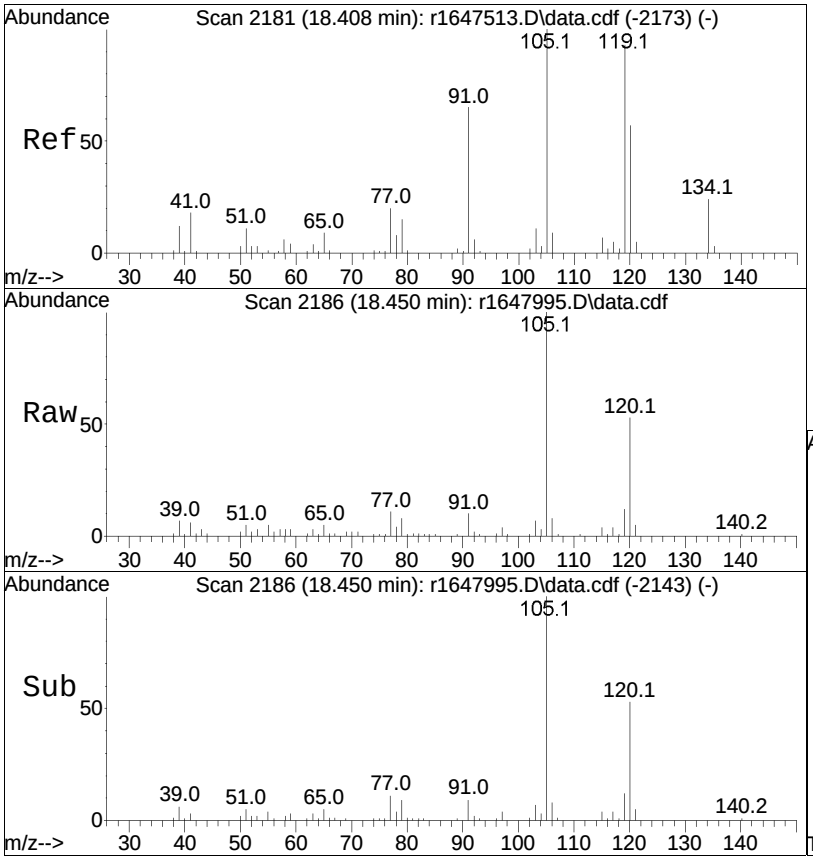


#97
1,3,5-trimethylbenzene
Concen: 0.32 ppbV
RT: 18.108 min Scan# 2147
Delta R.T. 0.050 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion:105 Resp: 21608

Ion	Ratio	Lower	Upper
105	100		
120	52.1	44.2	66.2
91	10.0	7.7	11.5

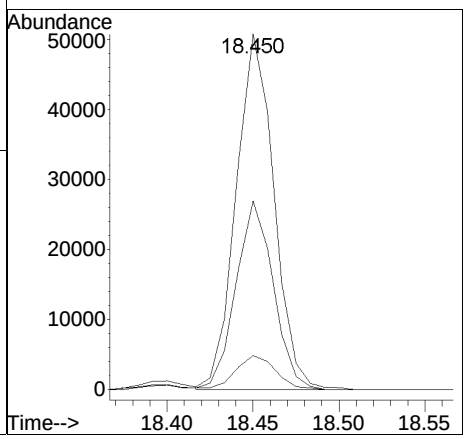




#99
1,2,4-trimethylbenzene
Concen: 1.16 ppbV
RT: 18.450 min Scan# 2186
Delta R.T. 0.042 min
Lab File: r1647995.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion:105 Resp: 77711

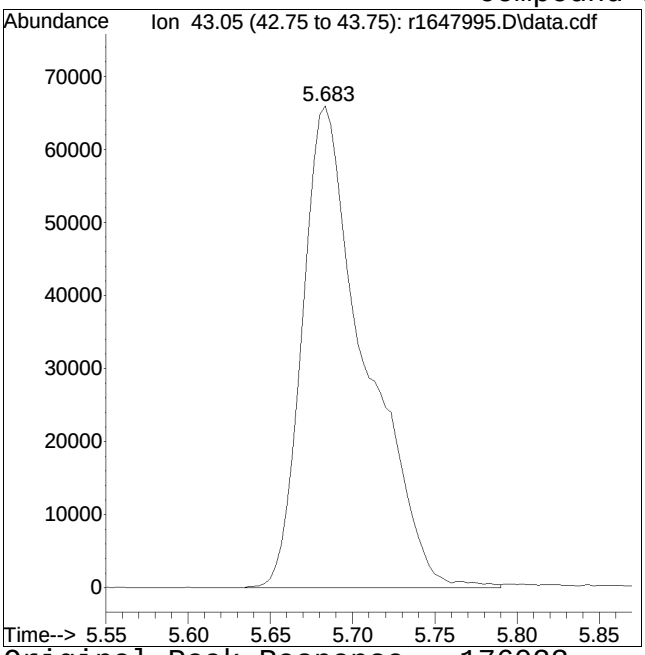
Ion	Ratio	Lower	Upper
105	100		
120	53.0	45.9	68.9
91	9.5	51.9	77.9#



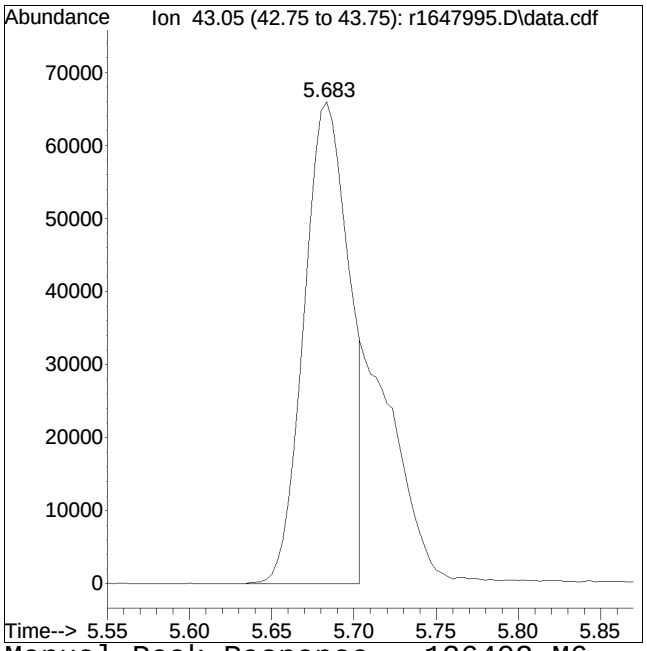
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647995.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 11:36 PM Instrument :
Sample : WG2021062-5,3,250,250 Quant Date : 1/19/2025 12:15 pm

Compound #19: acetone



Original Peak Response = 176023



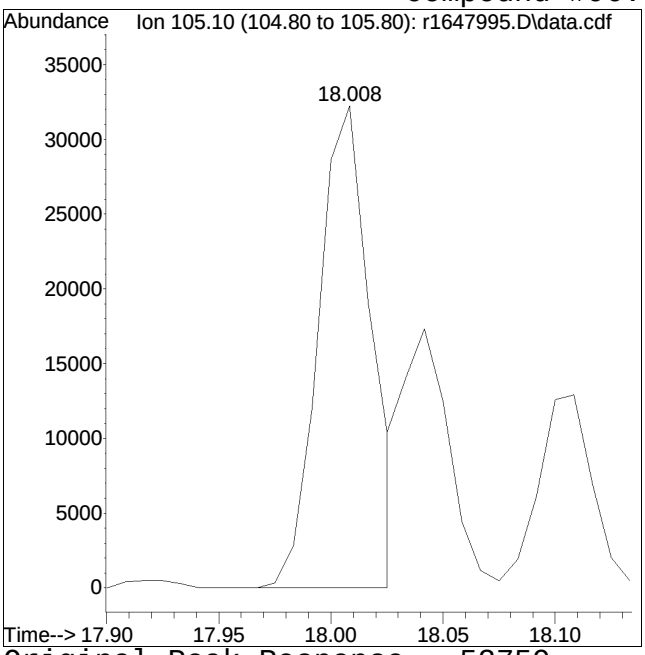
Manual Peak Response = 126402 M6

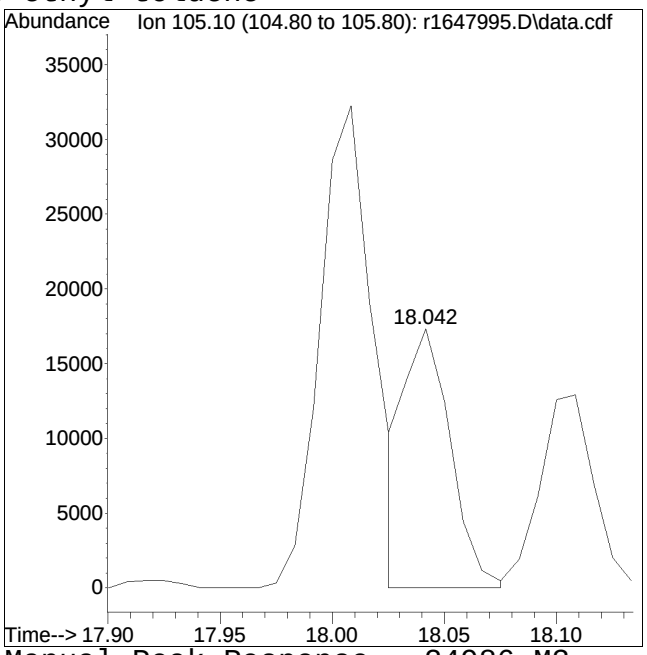
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647995.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 11:36 PM Instrument :
Sample : WG2021062-5,3,250,250 Quant Date : 1/19/2025 12:15 pm

Compound #96: 4-ethyl toluene





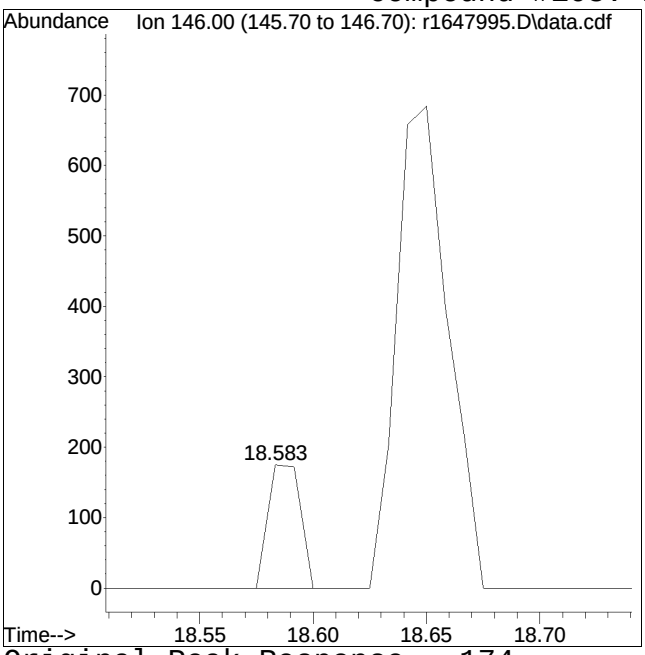
Original Peak Response = 52759 Manual Peak Response = 24986 M3

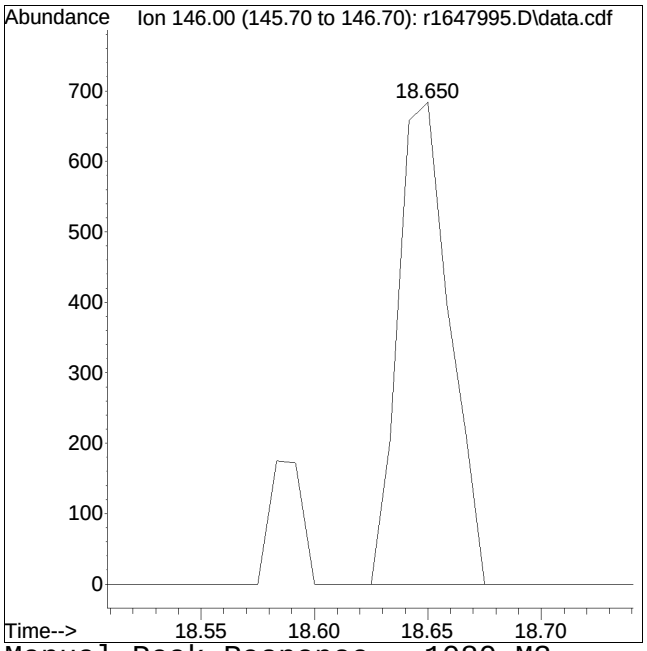
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TFS16_241219.M
Data File : r1647995.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 11:36 PM Instrument :
Sample : WG2021062-5,3,250,250 Quant Date : 1/19/2025 12:15 pm

Compound #103: 1,4-dichlorobenzene





Original Peak Response = 174 Manual Peak Response = 1080 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Calculation of Volatile Organic Compounds in Air

The instrument will calculate the concentration (ppbv). If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, ppbv = C_s x DF
Where:
C_s = Concentration of sample (ppbv)
DF = Dilution Factor

Calculation of Instrument Dilution Factor

For dilutions, smaller sample volumes (< 250mL) are analyzed. The smallest volume that can be analyzed with accuracy is 10 mL.

Samples that arrive at the laboratory with pressures below -15 inches Hg must be pressurized with zero air to greater than -15 inches Hg. This pressurization results in a dilution factor.

Calculation of Dilution Factor
$DF = V_{cf} / V_{ci}$
Where:
V_{ci} = volume of air in canister prior to pressurization, L
P =

Conversion of ppbv to ug/m^3
ug/m^3 = (ppbv) * MW / 24.47
Where:
24.47 = molar gas constant (g/g-mole)
MW = molecular weight of the compound of interest

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

$V_{ci} = 2.7 * Pl/14.696$

Step 2: Calculate the volume in the canister after pressurization.

$V_{cf} = 2.7 * PF/14.696$

Step 3: Calculate the dilution factor.

$DF = V_{cf} / V_{ci}$

Where:

V_{ci} = volume of air in canister prior to pressurization, L
PI = pressure reading of canister prior to pressurization (psia)
V_{cf} = volume of air in canister after pressurization, L
PF = pressure reading of canister after pressurization (psia)
DF = dilution factor
14.696 = atmospheric pressure (psia)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jan 20 2025, 01:34 pm

Work Group: WG2021062 for Department: 3 GC/MS

Created: 17-JAN-25 Due: Operator: SRO

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2500197-01	INF	S	TO15-LL	SOIL_VAPOR	DONE	U	0130	0116	S0	Can-6
L2500197-02	EFF	S	TO15-LL	SOIL_VAPOR	DONE	U	0130	0116	S0	Can-6
L2500525-01	IA-1	S	TO15-LL	AIR	DONE	U	0201	0120	S0	Can-2.7
L2500525-02	IA-2	S	TO15-LL	AIR	DONE	U	0201	0120	S0	Can-2.7
L2500525-03	OA-1	S	TO15-LL	AIR	DONE	U	0201	0120	S0	Can-2.7
L2500525-04	OA-2	S	TO15-LL	AIR	DONE	U	0201	0120	S0	Can-2.7
L2500535-01	IA-1	S	TO15-LL	AIR	DONE	U	0201	0120	S0	Can-2.7
L2502163-01	C3_IA-01_011425	S	TO15-LL	AIR	DONE	U	0213	0121	S0	Can-6
L2502163-03	C3_IA-02_011425	S	TO15-LL	AIR	DONE	U	0213	0121	S0	Can-6
L2502163-05	C3_IA-03_011425	S	TO15-LL	AIR	DONE	U	0212	0121	S0	Can-6
L2502163-07	C3_IA-04_011425	S	TO15-LL	AIR	DONE	U	0213	0121	S0	Can-6
L2502163-09	C3_IA-05_011425	S	TO15-LL	AIR	DONE	U	0213	0121	S0	Can-6
L2502163-11	C3_AA-01_011425	S	TO15-LL	AIR	DONE	U	0213	0121	S0	Can-6
WG2021062-1	MS BFB Tune Standard	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2021062-1	MS BFB Tune Standard	S	TO15-LL	AIR	DONE	U				
WG2021062-2	Continuing Calibrati	S	TO15-LL	AIR	DONE	U				
WG2021062-2	Continuing Calibrati	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2021062-3	Laboratory Control S	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2021062-3	Laboratory Control S	S	TO15-LL	AIR	DONE	U				
WG2021062-4	Laboratory Method Bl	S	TO15-LL	AIR	DONE	U				
WG2021062-4	Laboratory Method Bl	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2021062-5	Duplicate Sample	S	TO15-LL	AIR	DONE	U				
WG2021062-5	Duplicate Sample	S	TO15-LL	SOIL_VAPOR	DONE	U				

Comments:

WG2021062-5 L2502163-07

Instrument ID: Airlab 16

Internal Standard/Surrogate IDs: SS23-027/ SS23-018

Date: 12/19/24

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: JFI

Sequence File Name: 241219.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist	Check Pass ? Y/N
1	BA16120203	TO15_SFS.qgm	R1647504.qgd	250ML			NA
1	TA16120201	TO15_SFS.qgm	R1647505.qgd	250ML	TUNE		NA
9	ITO15-SIMTD0.02	TO15_SFS.qgm	R1647506.qgd	SS24-032D 50 mL	SIM ONLY	DEF	NA
9	ITO15-SIMTD0.05	TO15_SFS.qgm	R1647507.qgd	SS24-032D 125 mL	SIM ONLY	DEF	NA
9	ITO15-SIMTD0.1	TO15_SFS.qgm	R1647508.qgd	SS24-032D 250 mL	SIM ONLY	DEF	NA
10	ITO15-LLSTD0.2	TO15_SFS.qgm	R1647509.qgd	SS24-032C 50 mL		DEF	NA
10	ITO15-LLSTD0.5	TO15_SFS.qgm	R1647510.qgd	SS24-032C 125 mL		DEF	NA
10	ITO15-LLSTD1.0	TO15_SFS.qgm	R1647511.qgd	SS24-032C 250 mL		DEF	NA
11	ITO15-LLSTD5.0	TO15_SFS.qgm	R1647512.qgd	SS24-032B 125 mL		DEF	NA
11	ITO15-LLSTD010	TO15_SFS.qgm	R1647513.qgd	SS24-032B 250 mL		DEF	NA
12	ITO15-LLSTD020	TO15_SFS.qgm	R1647514.qgd	SS24-032A 50 mL		DEF	NA
12	ITO15-LLSTD050	TO15_SFS.qgm	R1647515.qgd	SS24-032A 125 mL		DEF	NA
12	ITO15-LLSTD100	TO15_SFS.qgm	R1647516.qgd	SS24-032A 250 mL	LL ONLY	DEF	NA
1	BA16120201	TO15_SFS.qgm	R1647517.qgd	250ML			NA
1	BA16120202	TO15_SFS.qgm	R1647518.qgd	250ML			NA
2	CTO15-LLSTD010	TO15_SFS.qgm	R1647519.qgd	SS24-036D 250 mL	LL ICV	DEF-ICV-AP2	NA
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1647520.qgd	SS24-036D 125mL	SIM ICV	DEF-ICV-AP2 BY SIM	NA
							NA
							NA
							NA
							NA

							NA
							NA
							NA

Column ID: Rtx-1 0.25 mm ID

Date(s) of Initial Calibration: Refer to Initial Calibration Summary Form 6

Date Acquired: see Instrument Performance Check Summary and/or quantitation report.

Sample ID information: L1301234-01,3,250,250 { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Instrument ID: Airlab 16

Internal Standard/Surrogate IDs: SS

Date: 01/17/25

Internal Standard/Surrogate Volume:

Analyst Initials: SRO

Sequence File Name:

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)
1	TA16011801	TO15_SFS.qgm	R1647980.qgd	250 mL	TUNE
16	CTO15-LLSTD10.0	TO15_SFS.qgm	R1647982.qgd	SS24-042H 250 mL	LL LCS
16	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1647983.qgd	SS24-042H 125 mL	SIM LCS
1	BA16011801	TO15_SFS.qgm	R1647984.qgd	250 mL	LL BLANK
1	BA16011802	TO15_SFS.qgm	R1647985.qgd	250 mL	SIM BLANK
2	L2500525-03,3,250,250	TO15_SFS.qgm	R1647986.qgd	WG2021065,ICAL21800	Hit of Ace
3	L2500525-04,3,250,250	TO15_SFS.qgm	R1647987.qgd	WG2021065,ICAL21800	hit of ETOH, Ace,
4	L2502163-11,3,250,250	TO15_SFS.qgm	R1647988.qgd	WG2021065,ICAL21800	hit of ace
5	L2500525-01,3,250,250	TO15_SFS.qgm	R1647989.qgd	WG2021065,ICAL21800	hit of ETOH, ace,
6	L2500525-02,3,250,250	TO15_SFS.qgm	R1647990.qgd	WG2021065,ICAL21800	hit of ETOH, ace,
7	L2502163-01,3,250,250	TO15_SFS.qgm	R1647991.qgd	WG2021065,ICAL21800	hit of ETOH, ace,
8	L2502163-03,3,250,250	TO15_SFS.qgm	R1647992.qgd	WG2021065,ICAL21800	hit of ETOH, ace,
9	L2502163-05D,3,126.66,250	TO15_SFS.qgm	R1647993.qgd	WG2021065,ICAL21800	111092/ hit of acetone
10	L2502163-07,3,250,250	TO15_SFS.qgm	R1647994.qgd	WG2021065,ICAL21800	hit of ETOH, ace,
10	L2502163-07DUP,3,250,250	TO15_SFS.qgm	R1647995.qgd	WG2021065,ICAL21800	LL/SIM DUP
11	L2502163-09,3,250,250	TO15_SFS.qgm	R1647996.qgd	WG2021065,ICAL21800	hit of ETOH, Ace,

S23-027/ SS23-018

100 ml

250117.S

Product/ Sublist	Check Pass ? Y/N
	NA
F114,ETOH,,ACETONE,BDCM,DBCM,BF,BC,NAPH FAIL HIGH // NARRATE ETOH + ACETONE HITS // RA FOR NAPH HITS // REPORT ANY OTHER HITS BY SIM	NA
	NA
	NA
	NA
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y

12	L2500535-01D,3,75.34,250	TO15_SFS.qgm	R1647997.qgd	WG2021065,ICAL21800	111902
13	L2500197-01D,3,23.05,250	TO15_SFS.qgm	R1647998.qgd	WG2021065,ICAL21800	T
14	L2500197-02,3,250,250	TO15_SFS.qgm	R1647999.qgd	WG2021065,ICAL21800	hit of acetone,
3					
1					

Column ID: Rtx-1 0.25 mm ID

Date(s) of Initial Calibration: Refer to Initial Calibration Summary Form 6

Date Acquired: see Instrument Performance Check Summary and/or quantitation re

Sample ID information: L1301234-01,3,250,250 { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

NY+NAPH-7SIM	Y
NY+NAPH	Y
NY+NAPH	Y

port.

GC/MS VOA
Air Analysis
Selective Ion Monitoring

Volatiles QC Summary

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Keystone Environmental Services			**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA			**Project Number**	: 0426.01214.10
Matrix (Level)	: AIR (LOW)				
LCS Sample ID	: WG2021065-3	**Analysis Date**	: 01/18/25 11:38	**File ID**	: r1647983_Ev2
LCSD Sample ID	:	**Analysis Date**	:	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ppbV)**	**Found (ppbV)**	**%R**	**True (ppbV)**	**Found (ppbV)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Vinyl chloride	5	4.74	95				-	70-130	25
1,1-Dichloroethene	5	4.84	97				-	70-130	25
cis-1,2-Dichloroethene	5	4.80	96				-	70-130	25
1,1,1-Trichloroethane	5	4.68	94				-	70-130	25
Carbon tetrachloride	5	5.37	107				-	70-130	25
Trichloroethene	5	4.80	96				-	70-130	25
Tetrachloroethene	5	4.53	91				-	70-130	25

Method Blank Summary
Form 4
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab Sample ID	: WG2021065-4	**Lab File ID**	: r1647985_Ev2
Instrument ID	: AIRLAB16		
Matrix	: AIR	**Analysis Date**	: 01/18/25 16:53

Client Sample No.	Lab Sample ID	Analysis Date
WG2021065-3LCS	WG2021065-3	01/18/25 11:38
OA-1	L2500525-03	01/18/25 17:33
OA-2	L2500525-04	01/18/25 18:13
IA-1	L2500525-01	01/18/25 19:33
IA-2	L2500525-02	01/18/25 20:12
C3_IA-04_011425DUP	WG2021065-5	01/18/25 23:36

Instrument Performance Check (Tune) Summary
Form 5
Air Volatiles
Bromofluorobenzene (BFB)

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Instrument ID	: AIRLAB16	**Analysis Date**	: 12/19/24 19:08
Tune Standard	: WG2011938-1	**Tune File ID**	: r1647505_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	14.3
75	30.0 - 66.0% of mass 95	35
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (.6)1
174	50.0 - 120.0% of mass 95	66.3
175	4.0 - 9.0% of mass 174	4.6 (6.9)1
176	93.0 - 101% of mass 174	62.4 (94.2)1
177	5.0 - 9.0% of mass 176	4.1 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.02	R1913971-1	R1647506_EV2	12/19/24 19:44
STD0.05	R1913971-2	R1647507_EV2	12/19/24 20:21
STD0.1	R1913971-3	R1647508_EV2	12/19/24 21:01
STD0.2	R1913971-4	R1647509_EV2	12/19/24 21:40
STD0.5	R1913971-5	R1647510_EV2	12/19/24 22:20
STD1.0	R1913971-6	R1647511_EV2	12/19/24 23:02
STD5.0	R1913971-8	R1647512_EV2	12/19/24 23:44
STD010	R1913971-7	R1647513_EV2	12/20/24 00:27
STD020	R1913971-9	R1647514_EV2	12/20/24 01:06
STD050	R1913971-10	R1647515_EV2	12/20/24 01:46
ICV QUANT	R1913971-11	R1647520_EV2	12/20/24 09:48

Instrument Performance Check (Tune) Summary
Form 5
Air Volatiles
Bromofluorobenzene (BFB)

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Instrument ID	: AIRLAB16	**Analysis Date**	: 01/18/25 10:15
Tune Standard	: WG2021065-1	**Tune File ID**	: r1647980_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	14.8
75	30.0 - 66.0% of mass 95	37.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (.6)1
174	50.0 - 120.0% of mass 95	68.4
175	4.0 - 9.0% of mass 174	4.8 (7)1
176	93.0 - 101% of mass 174	65.1 (95.2)1
177	5.0 - 9.0% of mass 176	4.4 (6.7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2021065-2CCAL	WG2021065-2	R1647983_EV2	01/18/25 11:38
WG2021065-3LCS	WG2021065-3	R1647983_EV2	01/18/25 11:38
WG2021065-4BLANK	WG2021065-4	R1647985_EV2	01/18/25 16:53
OA-1	L2500525-03	R1647986_EV2	01/18/25 17:33
OA-2	L2500525-04	R1647987_EV2	01/18/25 18:13
IA-1	L2500525-01	R1647989_EV2	01/18/25 19:33
IA-2	L2500525-02	R1647990_EV2	01/18/25 20:12
WG2021065-5DUP	WG2021065-5	R1647995_EV2	01/18/25 23:36

Internal Standard Area and RT Summary
Form 8a
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Instrument ID	: AIRLAB16	**Analysis Date**	: 01/18/25 11:38:00
Sample No	: WG2021065-2	**Lab File ID**	: R1647983_EV2

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2021065-2	170965	9.08	504366	11.30	64115	15.99
Upper Limit	239351	9.41	706112	11.63	89761	16.32
Lower Limit	102579	8.75	302620	10.97	38469	15.66
Sample ID						
WG2021065-3 LCS	170965	9.08	504366	11.30	64115	15.99
WG2021065-4 BLANK	161919	9.09	471710	11.31	58437	16.00
OA-1	161676	9.09	475911	11.32	60984	16.00
OA-2	157553	9.10	462507	11.32	57861	16.00
IA-1	157702	9.10	467452	11.32	59165	16.00
IA-2	158172	9.10	467150	11.33	59511	16.00
C3_IA-04_011425 DUP	157421	9.12	463630	11.33	57922	16.01

Area Upper Limit = +40% of internal standard area
Area Lower Limit = - 40% of internal standard area

RT Upper Limit = +0.33 minutes of internal standard RT
RT Lower Limit = -0.33 minutes of internal standard RT

* Values outside of QC limits

Date Created: 01/09/24
Created By: Jason Hebert
File: PM15856-1
Page: 1

Volatile Organics in Air by TO-15 SIM (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,1,1-Trichloroethane	71-55-6	0.02	0.0059	ppbV	70-130	25		25	25			
1,1,1,2-Tetrachloroethane	630-20-6	0.02	0.01	ppbV	70-130	25		25	25			
1,1,2,2-Tetrachloroethane	79-34-5	0.02	0.0067	ppbV	70-130	25		25	25			
1,1,2-Trichloroethane	79-00-5	0.02	0.0097	ppbV	70-130	25		25	25			
1,1-Dichloroethane	75-34-3	0.02	0.0086	ppbV	70-130	25		25	25			
1,1-Dichloroethene	75-35-4	0.02	0.0077	ppbV	70-130	25		25	25			
1,2,3-Trichloropropane	96-18-4	0.02	0.0073	ppbV	70-130	25		25	25			
1,2,4-Trimethylbenzene	95-63-6	0.02	0.0076	ppbV	70-130	25		25	25			
1,2-Dibromoethane	106-93-4	0.02	0.0091	ppbV	70-130	25		25	25			
1,2-Dibromo-3-chloropropane	96-12-8	0.02	0.0124	ppbV	70-130	25		25	25			
1,2-Dichlorobenzene	95-50-1	0.02	0.0062	ppbV	70-130	25		25	25			
1,2-Dichloroethane	107-06-2	0.02	0.0083	ppbV	70-130	25		25	25			
1,2-Dichloropropane	78-87-5	0.02	0.0083	ppbV	70-130	25		25	25			
1,3,5-Trimethylbenzene	108-67-8	0.02	0.0096	ppbV	70-130	25		25	25			
1,3-Butadiene	106-99-0	0.02	0.0106	ppbV	70-130	25		25	25			
1,3-Dichlorobenzene	541-73-1	0.02	0.0077	ppbV	70-130	25		25	25			
1,4-Dichlorobenzene	106-46-7	0.02	0.0075	ppbV	70-130	25		25	25			
1,4-Dioxane	123-91-1	0.1	0.0344	ppbV	70-130	25		25	25			
1-Bromo-2-Chloroethane	107-04-0	0.02	0.0102	ppbV	70-130	25		25	25			
1-Bromo-3-Fluorobenzene	1073-06-9	0.02	0.0065	ppbV	70-130	25		25	25			
1-Bromo-4-Ethylbenzene	1585-07-5	0.05	0.004	ppbV	70-130	25		25	25			
2,2,4-Trimethylpentane	540-84-1	0.2	0.037	ppbV	70-130	25		25	25			
2-Bromopyridine	109-04-6	0.5	0.0161	ppbV	30-150	25		25	25			
2-Hexanone	591-78-6	0.2	0.0354	ppbV	70-130	25		25	25			
3,4-Dichlorobenzotrifluoride	328-84-7	0.02	0.0024	ppbV	70-130	25		25	25			
3-Amino-4-Chlorobenzotrifluoride	121-50-6	1.25	0.0178	ppbV	30-150	25		25	25			
3-Chloropropene	107-05-1	0.2	0.0327	ppbV	70-130	25		25	25			
3-Nitro-4-Chlorobenzotrifluoride	121-17-5	2.5	0.129	ppbV	30-150	25		25	25			
4-Bromofluorobenzene	460-00-4	0.2	0.0094	ppbV	70-130	25		25	25			
4-Chlorobenzotrifluoride	98-56-6	0.02	0.006	ppbV	70-130	25		25	25			
4-Ethyltoluene	622-96-8	0.02	0.0099	ppbV	70-130	25		25	25			
Benzene	71-43-2	0.1	0.0298	ppbV	70-130	25		25	25			
Benzyl chloride	100-44-7	0.1	0.0332	ppbV	70-130	25		25	25			
Bromobenzene	108-86-1	0.2	0.0262	ppbV	70-130	25		25	25			
Bromodichloromethane	75-27-4	0.02	0.0074	ppbV	70-130	25		25	25			
Bromoform	75-25-2	0.02	0.0111	ppbV	70-130	25		25	25			
Bromomethane	74-83-9	0.02	0.0094	ppbV	70-130	25		25	25			
Carbon disulfide	75-15-0	0.2	0.0316	ppbV	70-130	25		25	25			
Carbon tetrachloride	56-23-5	0.02	0.011	ppbV	70-130	25		25	25			
Chlorobenzene	108-90-7	0.1	0.0258	ppbV	70-130	25		25	25			
Chloroethane	75-00-3	0.1	0.0395	ppbV	70-130	25		25	25			
Chloroform	67-66-3	0.02	0.0071	ppbV	70-130	25		25	25			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Volatile Organics in Air by TO-15 SIM (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Chloromethane	74-87-3	0.2	0.0756	ppbV	70-130	25		25	25			
cis-1,2-Dichloroethene	156-59-2	0.02	0.0102	ppbV	70-130	25		25	25			
trans-1,2-Dichloroethene	156-60-5	0.02	0.009	ppbV	70-130	25		25	25			
1,2-Dichloroethene (total)	540-59-0	0.02	0.009	ppbV				25	25			
cis-1,3-Dichloropropene	10061-01-5	0.02	0.0118	ppbV	70-130	25		25	25			
1,3-Dichloropropene, Total	542-75-6	0.02	0.0115	ppbV				25	25			
Cyclohexane	110-82-7	0.2	0.0313	ppbV	70-130	25		25	25			
Dibromochloromethane	124-48-1	0.02	0.008	ppbV	70-130	25		25	25			
Dibromomethane	74-95-3	0.2	0.0251	ppbV	70-130	25		25	25			
Dichlorodifluoromethane	75-71-8	0.2	0.0499	ppbV	70-130	25		25	25			
Ethyl Alcohol	GCDAI06	5	1.35	ppbV	40-160	25		25	25			
Ethyl Acetate	141-78-6	0.5	0.323	ppbV	70-130	25		25	25			
Ethylbenzene	100-41-4	0.02	0.0085	ppbV	70-130	25		25	25			
Fluorobenzene	462-06-6	0.05	0.009	ppbV	70-130	25		25	25			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	0.05	0.0083	ppbV	70-130	25		25	25			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	0.05	0.0064	ppbV	70-130	25		25	25			
Methylcyclohexane	108-87-2	0.02	0.0051	ppbV	70-130	25		25	25			
Methylene chloride	75-09-2	0.5	0.11	ppbV	70-130	25		25	25			
Methyl tert butyl ether	1634-04-4	0.2	0.0261	ppbV	70-130	25		25	25			
m/p-Dibromobenzene	108-36-1/106-37-6	0.5	0.0137	ppbV	70-130	25		25	25			
Naphthalene	91-20-3	0.05	0.021	ppbV	70-130	25		25	25			
p/m-Xylene	179601-23-1	0.04	0.018	ppbV	70-130	25		25	25			
o-Xylene	95-47-6	0.02	0.0087	ppbV	70-130	25		25	25			
Heptane	142-82-5	0.2	0.0313	ppbV	70-130	25		25	25			
n-Hexane	110-54-3	0.2	0.0471	ppbV	70-130	25		25	25			
Propylene	115-07-1	0.5	0.167	ppbV	70-130	25		25	25			
Styrene	100-42-5	0.02	0.0079	ppbV	70-130	25		25	25			
tert-Butyl Alcohol	75-65-0	0.5	0.134	ppbV	70-130	25		25	25			
Tetrachloroethene	127-18-4	0.02	0.0074	ppbV	70-130	25		25	25			
Tetrahydrofuran	109-99-9	0.5	0.142	ppbV	70-130	25		25	25			
Toluene	108-88-3	0.1	0.0166	ppbV	70-130	25		25	25			
trans-1,3-Dichloropropene	10061-02-6	0.02	0.0115	ppbV	70-130	25		25	25			
Trichloroethene	79-01-6	0.02	0.006	ppbV	70-130	25		25	25			
1,2,4-Trichlorobenzene	120-82-1	0.05	0.0146	ppbV	70-130	25		25	25			
Trichlorofluoromethane	75-69-4	0.05	0.0092	ppbV	70-130	25		25	25			
Vinyl acetate	108-05-4	1	0.286	ppbV	70-130	25		25	25			
Vinyl bromide	593-60-2	0.2	0.0431	ppbV	70-130	25		25	25			
Hexachlorobutadiene	87-68-3	0.05	0.011	ppbV	70-130	25		25	25			
iso-Propyl Alcohol	67-63-0	0.5	0.249	ppbV	40-160	25		25	25			
Vinyl chloride	75-01-4	0.02	0.0088	ppbV	70-130	25		25	25			
Acrylonitrile	107-13-1	0.5	0.162	ppbV	70-130	25		25	25			
n-Butylbenzene	104-51-8	0.2	0.0319	ppbV	70-130	25		25	25			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Volatile Organics in Air by TO-15 SIM (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
sec-Butylbenzene	135-98-8	0.2	0.0266	ppbV	70-130	25		25	25			
Isopropylbenzene	98-82-8	0.2	0.0299	ppbV	70-130	25		25	25			
Xylene (Total)	1330-20-7	0.02	0.0087	ppbV				25	25			
p-Isopropyltoluene	99-87-6	0.2	0.0366	ppbV	70-130	25		25	25			
Acetone	67-64-1	1	0.539	ppbV	40-160	25		25	25			
2-Butanone	78-93-3	0.5	0.132	ppbV	70-130	25		25	25			
4-Methyl-2-pentanone	108-10-1	0.5	0.191	ppbV	70-130	25		25	25			
1,2,3-Trichlorobenzene	87-61-6	0.05	0.0223	ppbV	70-130	25		25	25			
Acrolein	107-02-8	0.05	0.0387	ppbV	60-113	25		25	25			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
Bromofluorobenzene	*460-00-4*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-01	**Date Collected**	: 01/02/25 15:45
Client ID	: IA-1	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 19:33
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: BJB
Lab File ID	: R1647989_EV2	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-02	**Date Collected**	: 01/02/25 15:49
Client ID	: IA-2	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 20:12
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: BJB
Lab File ID	: R1647990_EV2	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-03	**Date Collected**	: 01/02/25 15:58
Client ID	: OA-1	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 17:33
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: BJB
Lab File ID	: R1647986_EV2	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: L2500525-04	**Date Collected**	: 01/02/25 16:03
Client ID	: OA-2	**Date Received**	: 01/06/25
Sample Location	: 33 WEST STATE ST.	**Date Analyzed**	: 01/18/25 18:13
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: BJB
Lab File ID	: R1647987_EV2	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Keystone Environmental Services	**Lab Number**	: L2500525
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10
Lab ID	: WG2021065-4	**Date Collected**	: NA
Client ID	: WG2021065-4BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 01/18/25 16:53
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: BJB
Lab File ID	: R1647985_EV2	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	ND	0.020	--	ND	0.126	--	U
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647986_Ev2.D
Acq On : 18 Jan 2025 5:33 PM
Operator : AIRLAB16:BJB
Sample : L2500525-03,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:30:14 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118SIM\r1647983_Ev2.D
Sub List : 7-NY-SIM - .

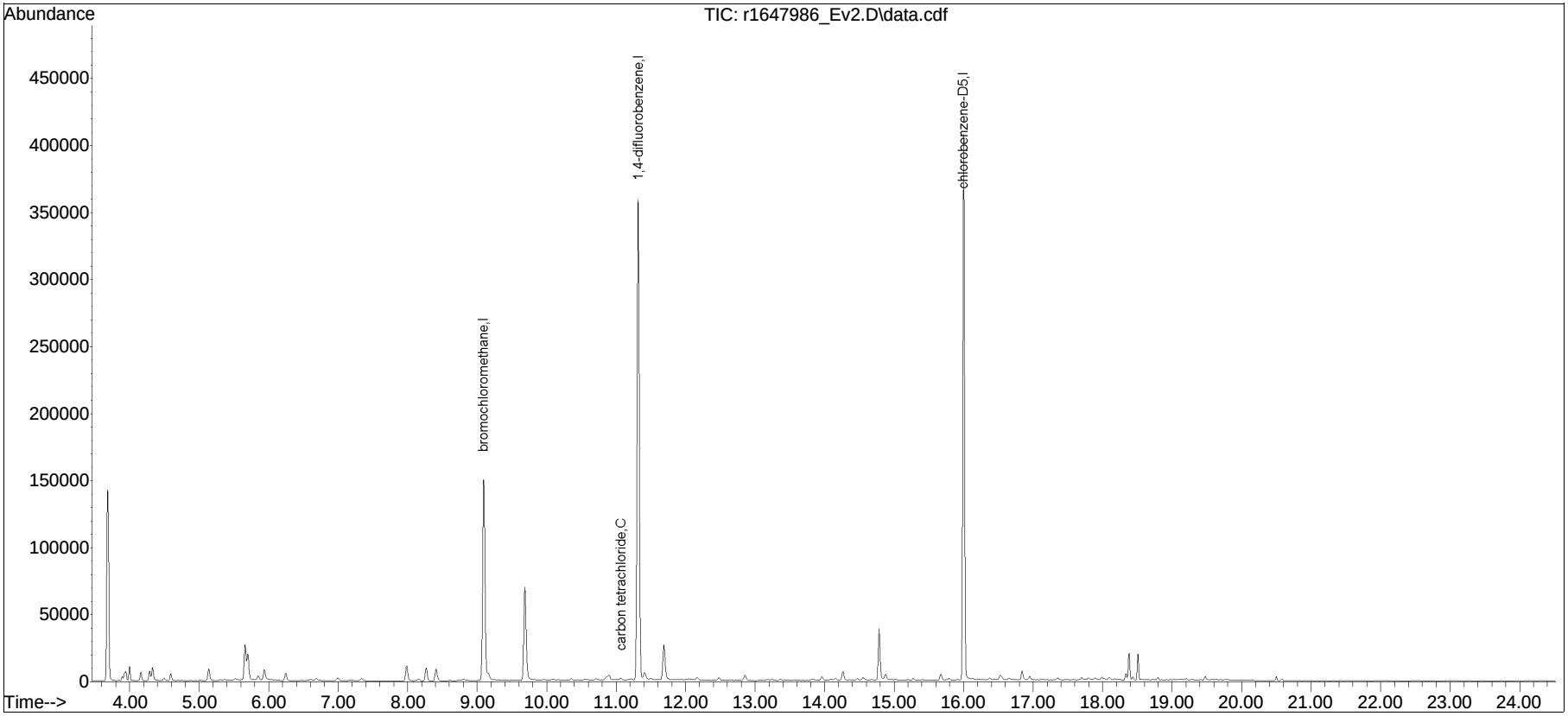
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.092	49	161676	10.000	ppbV	0.03
Standard Area = 170965			Recovery =	94.57%		
33) 1,4-difluorobenzene	11.320	114	475911	10.000	ppbV	0.05
Standard Area = 504366			Recovery =	94.36%		
51) chlorobenzene-D5	16.000	54	60984	10.000	ppbV	0.03
Standard Area = 64115			Recovery =	95.12%		
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.		
28) cis-1,2-dichloroethene	0.000		0	N.D.		
36) 1,1,1-trichloroethane	0.000		0	N.D.		
38) carbon tetrachloride	11.073	117	1117	0.081	ppbV	100
44) trichloroethene	0.000		0	N.D.		
57) tetrachloroethene	15.417		0	N.D.		

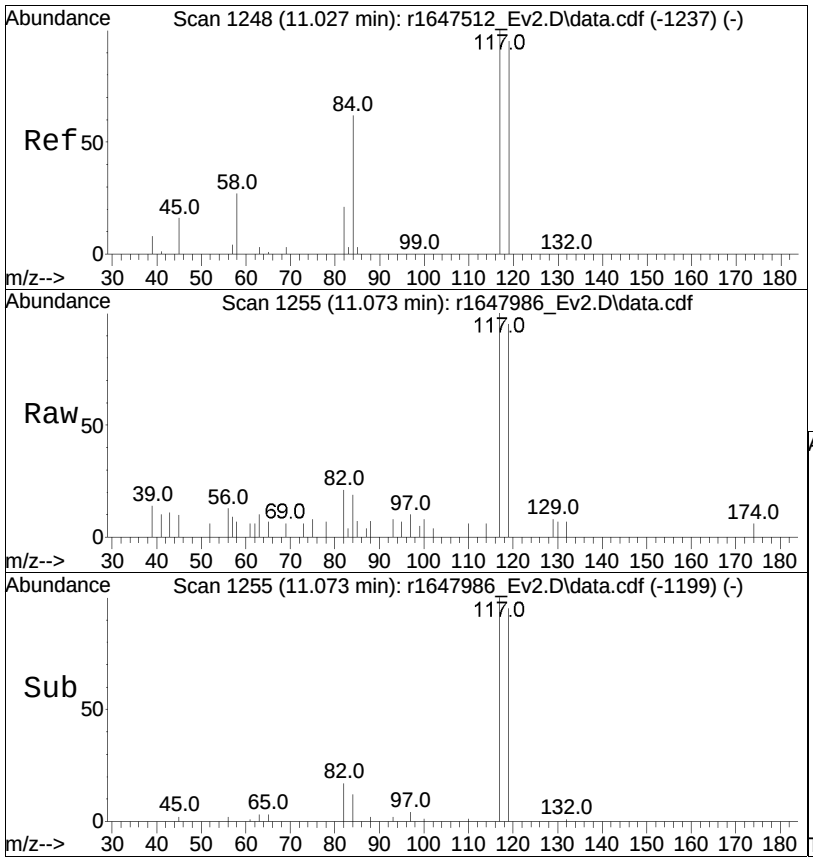
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab16\2025\01\0118SIM\r1647983_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647986_Ev2.D
Acq On : 18 Jan 2025 5:33 PM
Operator : AIRLAB16:BJB
Sample : L2500525-03,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:30:14 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

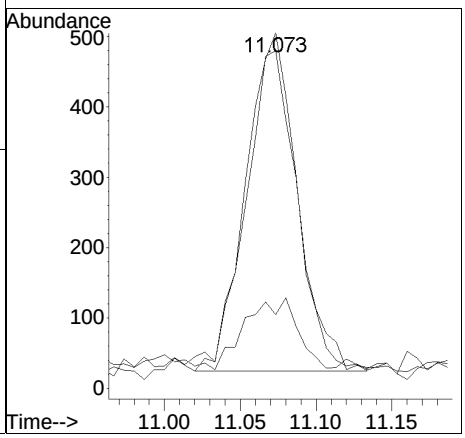




#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 11.073 min Scan# 1255
Delta R.T. 0.047 min
Lab File: r1647986_Ev2.D
Acq: 18 Jan 2025 5:33 PM

Tgt Ion:117 Resp: 1117

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.2	114.4
82	20.8	17.2	25.8



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab16\20	QMethod	: TSIM16_241219.M
Data File	: r1647986_Ev2.D	Operator	: AIRLAB16:BJB
Date Inj'd	: 1/18/2025 5:33 PM	Instrument	:
Sample	: L2500525-03,3,250,250	Quant Date	: 1/19/2025 12:30 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647987_Ev2.D
Acq On : 18 Jan 2025 6:13 PM
Operator : AIRLAB16:BJB
Sample : L2500525-04,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:30:31 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118SIM\r1647983_Ev2.D
Sub List : 7-NY-SIM - .

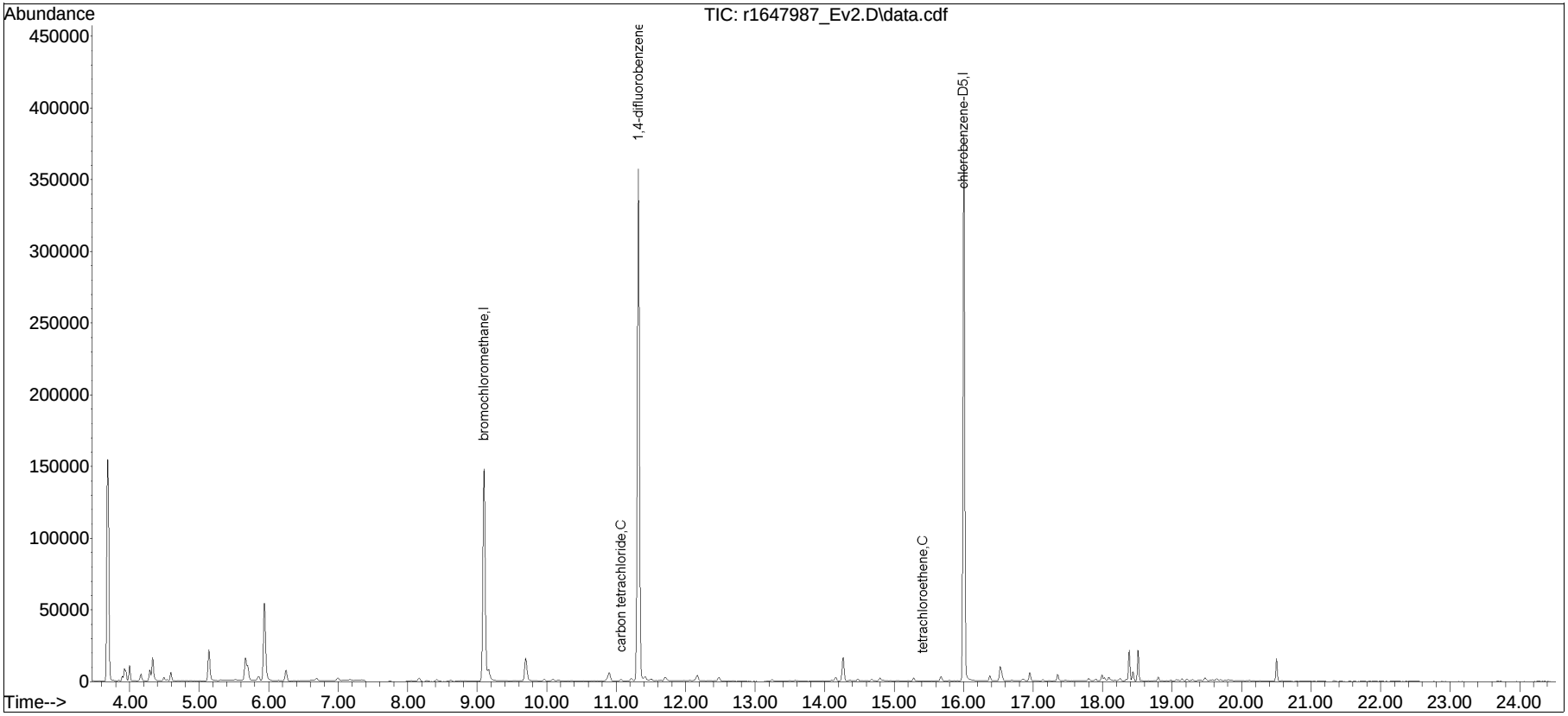
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.100	49	157553	10.000	ppbV	0.04
Standard Area = 170965			Recovery =		92.16%	
33) 1,4-difluorobenzene	11.320	114	462507	10.000	ppbV	0.05
Standard Area = 504366			Recovery =		91.70%	
51) chlorobenzene-D5	16.000	54	57861	10.000	ppbV	0.03
Standard Area = 64115			Recovery =		90.25%	
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.		
28) cis-1,2-dichloroethene	0.000		0	N.D.		
36) 1,1,1-trichloroethane	0.000		0	N.D.		
38) carbon tetrachloride	11.073	117	1074	0.080	ppbV	92
44) trichloroethene	12.127		0	N.D.		
57) tetrachloroethene	15.417	166	207	0.012	ppbV	96

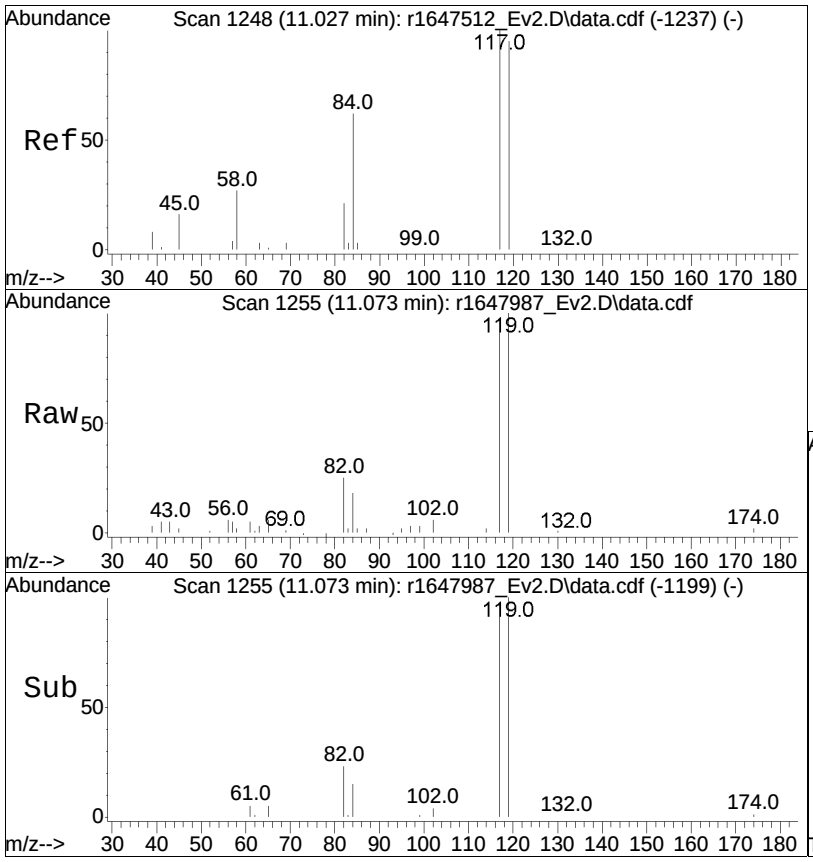
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab16\2025\01\0118SIM\r1647983_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647987_Ev2.D
Acq On : 18 Jan 2025 6:13 PM
Operator : AIRLAB16:BJB
Sample : L2500525-04,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:30:31 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

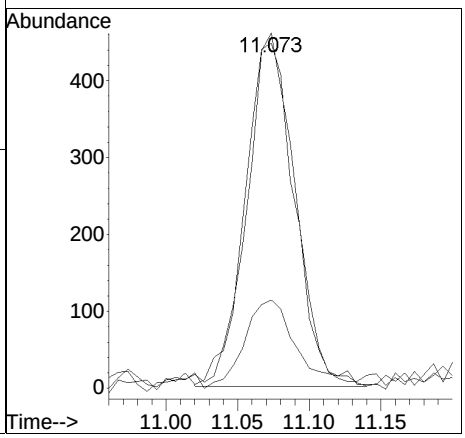


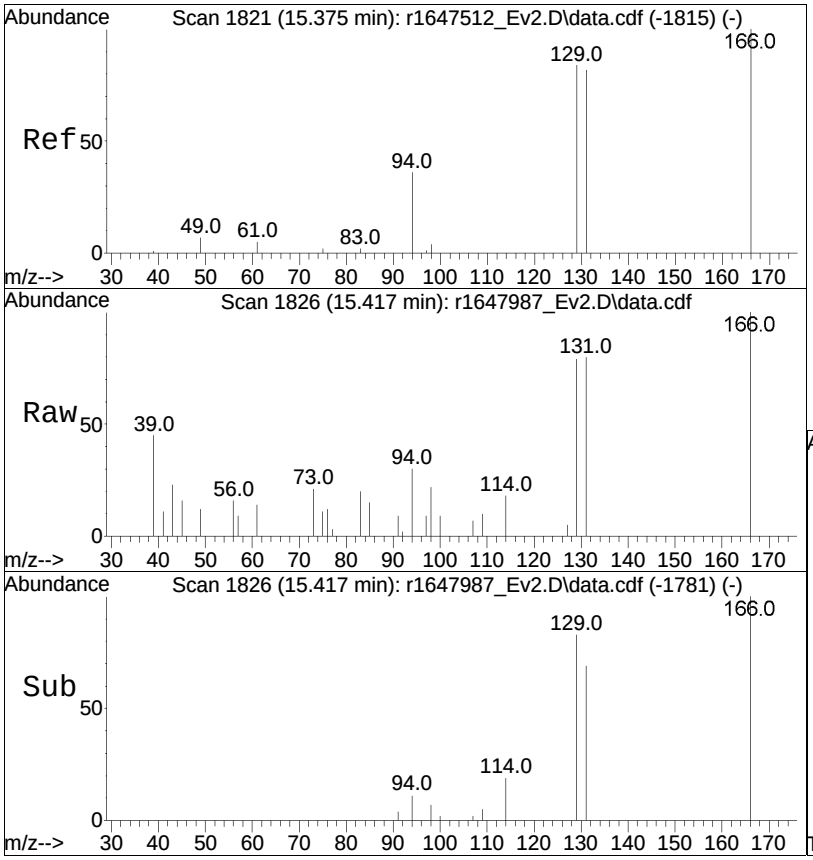


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 11.073 min Scan# 1255
Delta R.T. 0.047 min
Lab File: r1647987_Ev2.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion:117 Resp: 1074

Ion	Ratio	Lower	Upper
117	100		
119	102.9	76.2	114.4
82	25.6	17.2	25.8

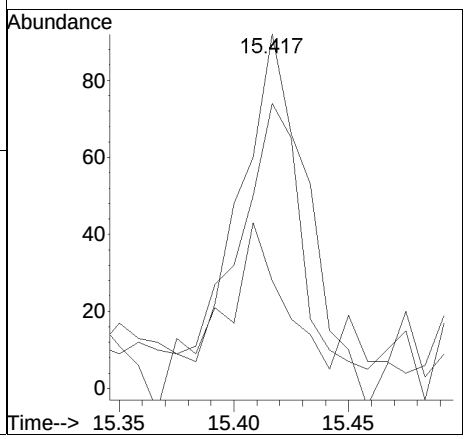




#57
tetrachloroethene
Concen: 0.01 ppbV
RT: 15.417 min Scan# 1826
Delta R.T. 0.042 min
Lab File: r1647987_Ev2.D
Acq: 18 Jan 2025 6:13 PM

Tgt Ion:166 Resp: 207

Ion	Ratio	Lower	Upper
166	100		
131	80.4	65.2	97.8
94	30.4	29.0	43.6



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab16\20	QMethod	: TSIM16_241219.M
Data File	: r1647987_Ev2.D	Operator	: AIRLAB16:BJB
Date Inj'd	: 1/18/2025 6:13 PM	Instrument	:
Sample	: L2500525-04,3,250,250	Quant Date	: 1/19/2025 12:30 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647989_Ev2.D
Acq On : 18 Jan 2025 7:33 PM
Operator : AIRLAB16:BJB
Sample : L2500525-01,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:31:17 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118SIM\r1647983_Ev2.D
Sub List : 7-NY-SIM - .

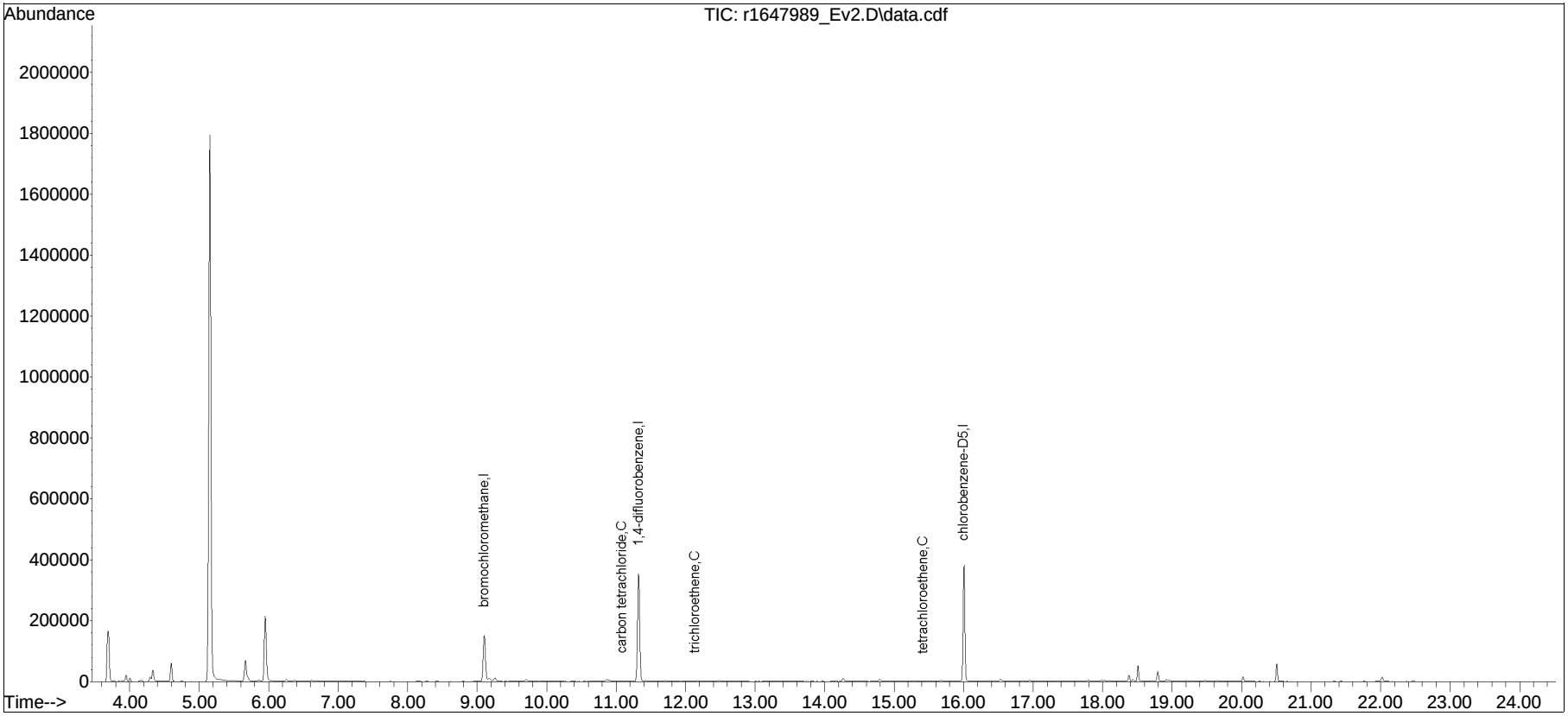
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.100	49	157702	10.000	ppbV	0.04
Standard Area = 170965			Recovery =		92.24%	
33) 1,4-difluorobenzene	11.320	114	467452	10.000	ppbV	0.05
Standard Area = 504366			Recovery =		92.68%	
51) chlorobenzene-D5	16.000	54	59165	10.000	ppbV	0.03
Standard Area = 64115			Recovery =		92.28%	
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D. d		
17) 1,1-dichloroethene	0.000		0	N.D. d		
28) cis-1,2-dichloroethene	0.000		0	N.D.		
36) 1,1,1-trichloroethane	0.000		0	N.D.		
38) carbon tetrachloride	11.080	117	1211M4	0.090	ppbV	
44) trichloroethene	12.133	130	275	0.018	ppbV	93
57) tetrachloroethene	15.417	166	192M4	0.011	ppbV	

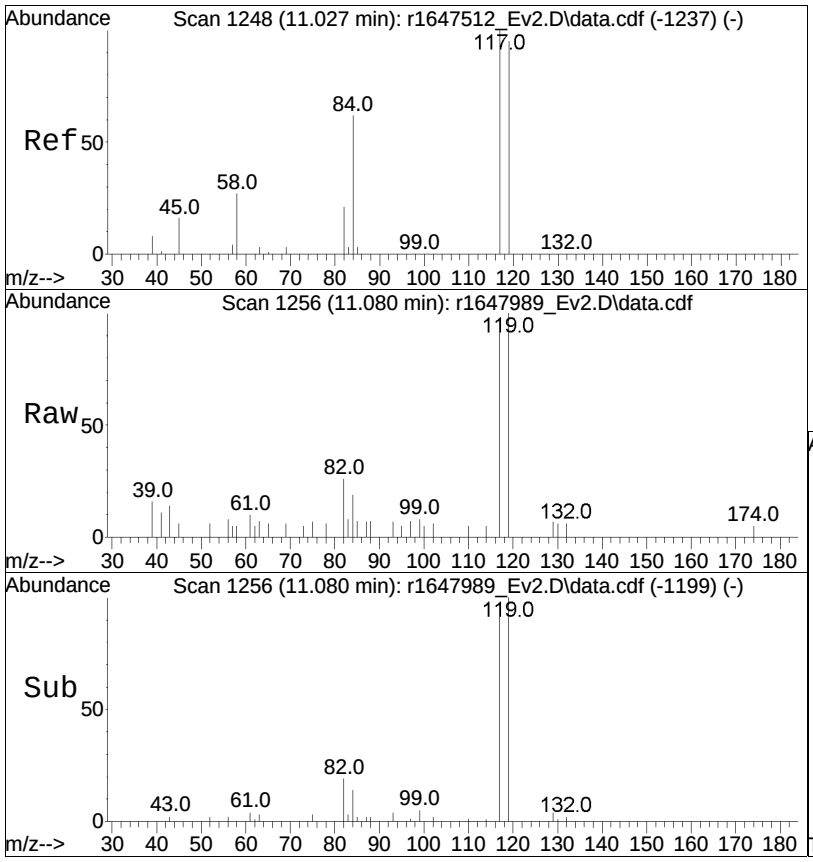
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab16\2025\01\0118SIM\r1647983_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647989_Ev2.D
Acq On : 18 Jan 2025 7:33 PM
Operator : AIRLAB16:BJB
Sample : L2500525-01,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:31:17 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

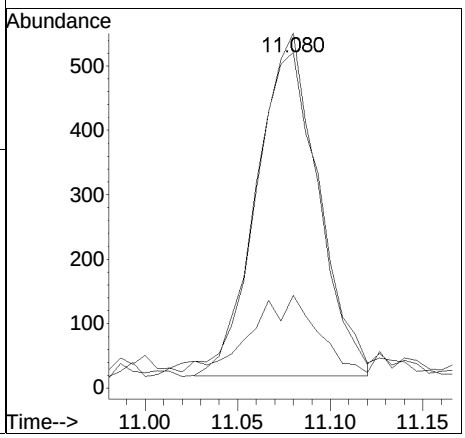


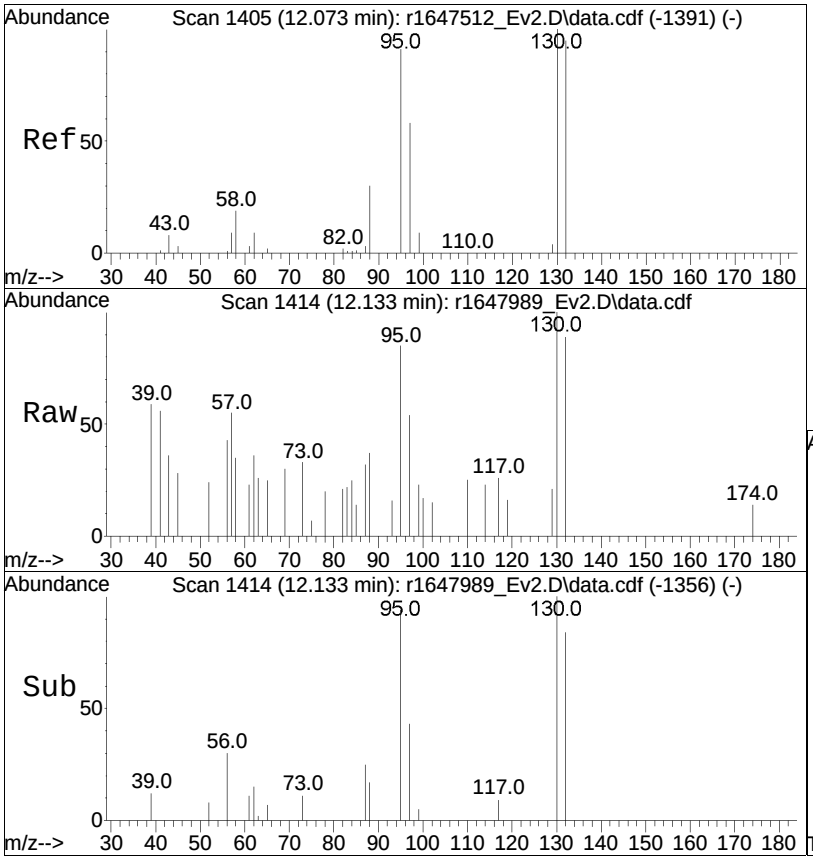


#38
carbon tetrachloride
Concen: 0.09 ppbV m
RT: 11.080 min Scan# 1256
Delta R.T. 0.053 min
Lab File: r1647989_Ev2.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion:117 Resp: 1211

Ion	Ratio	Lower	Upper
117	100		
119	105.8	76.2	114.4
82	27.6	17.2	25.8#

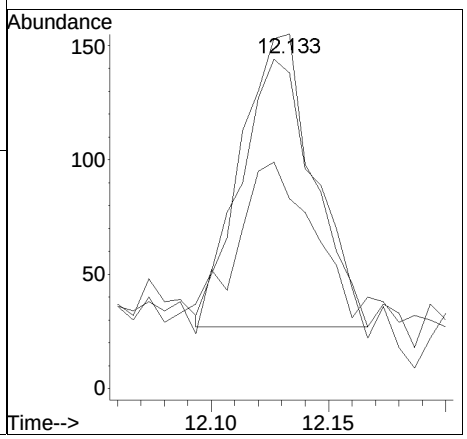


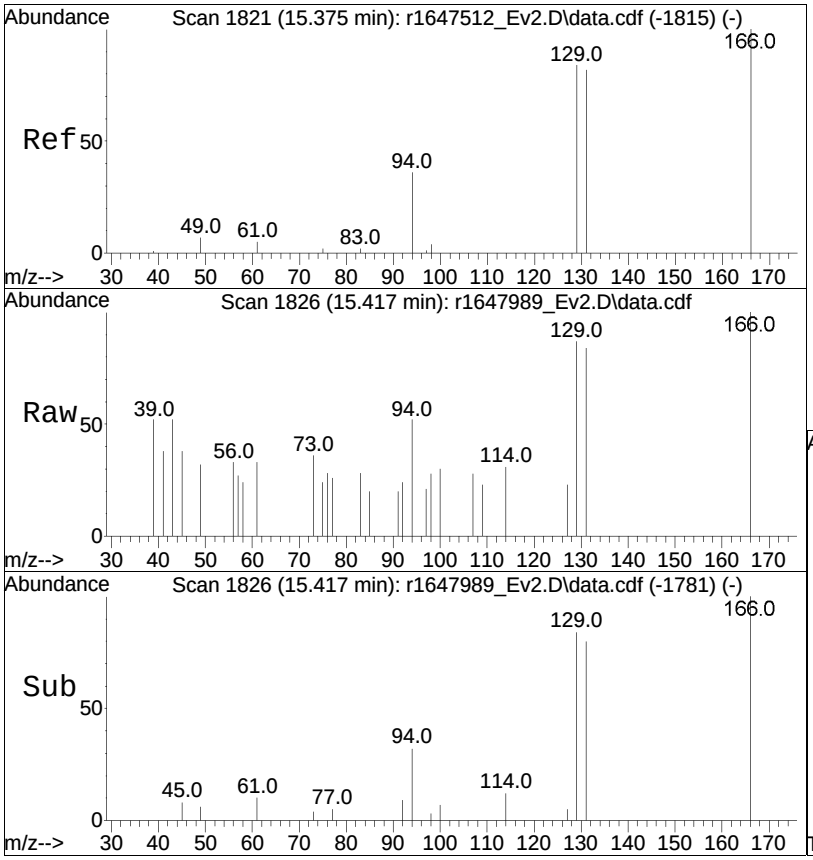


#44
trichloroethene
Concen: 0.02 ppbV
RT: 12.133 min Scan# 1414
Delta R.T. 0.060 min
Lab File: r1647989_Ev2.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion:130 Resp: 275

Ion	Ratio	Lower	Upper
130	100		
132	89.0	76.3	114.5
97	53.5	46.8	70.2

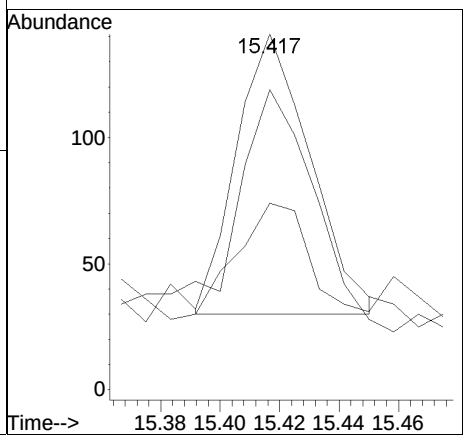




#57
tetrachloroethene
Concen: 0.01 ppbV m
RT: 15.417 min Scan# 1826
Delta R.T. 0.042 min
Lab File: r1647989_Ev2.D
Acq: 18 Jan 2025 7:33 PM

Tgt Ion:166 Resp: 192

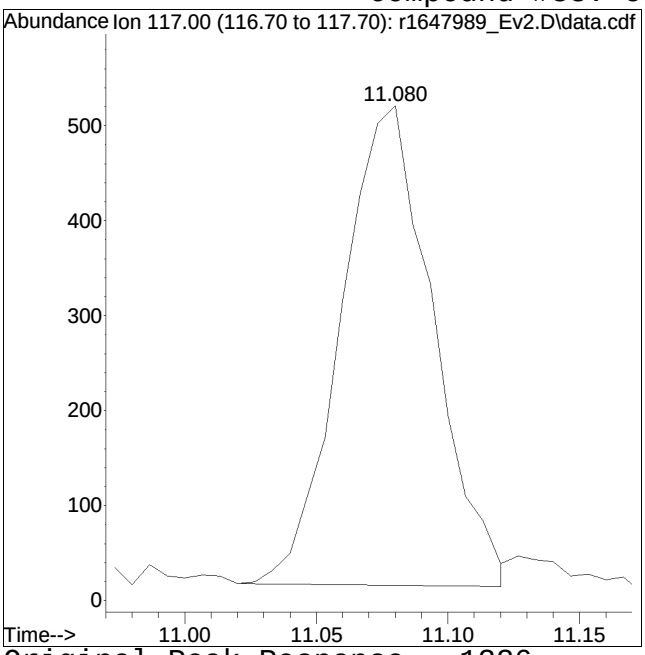
Ion	Ratio	Lower	Upper
166	100		
131	84.4	65.2	97.8
94	52.5	29.0	43.6#



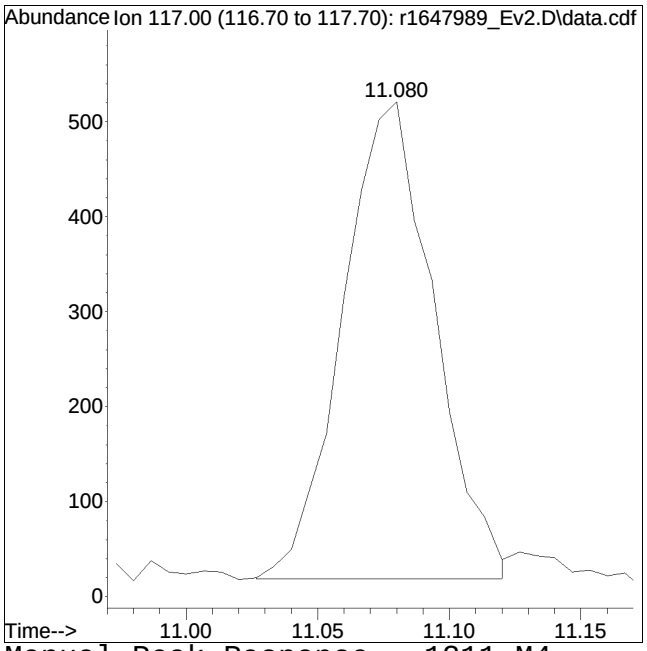
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647989_Ev2.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 7:33 PM Instrument :
Sample : L2500525-01,3,250,250 Quant Date : 1/19/2025 12:31 pm

Compound #38: carbon tetrachloride



Original Peak Response = 1226



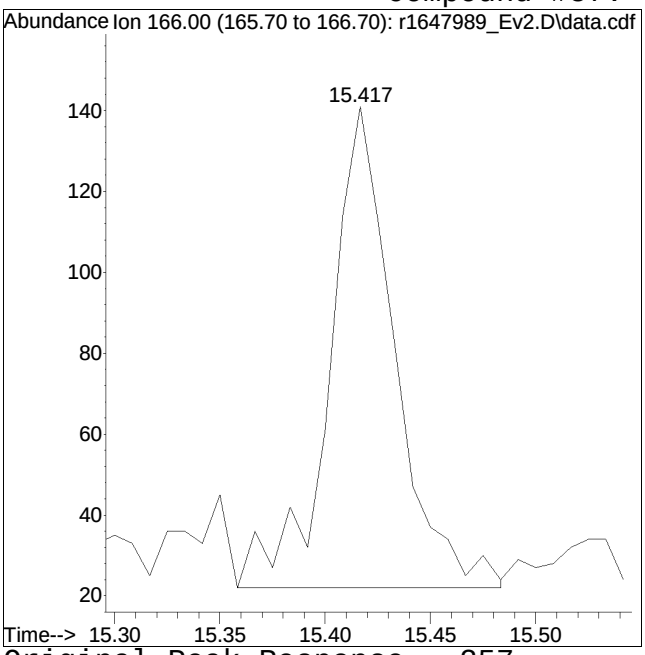
Manual Peak Response = 1211 M4

M4 = Poor automated baseline construction.

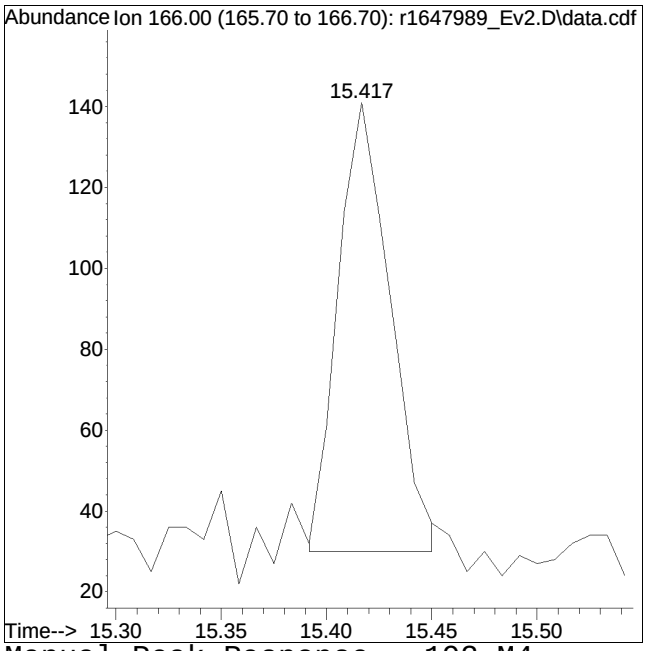
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647989_Ev2.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 7:33 PM Instrument :
Sample : L2500525-01,3,250,250 Quant Date : 1/19/2025 12:31 pm

Compound #57: tetrachloroethene



Original Peak Response = 257



Manual Peak Response = 192 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647990_Ev2.D
Acq On : 18 Jan 2025 8:12 PM
Operator : AIRLAB16:BJB
Sample : L2500525-02,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:33:18 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118SIM\r1647983_Ev2.D
Sub List : 7-NY-SIM - .

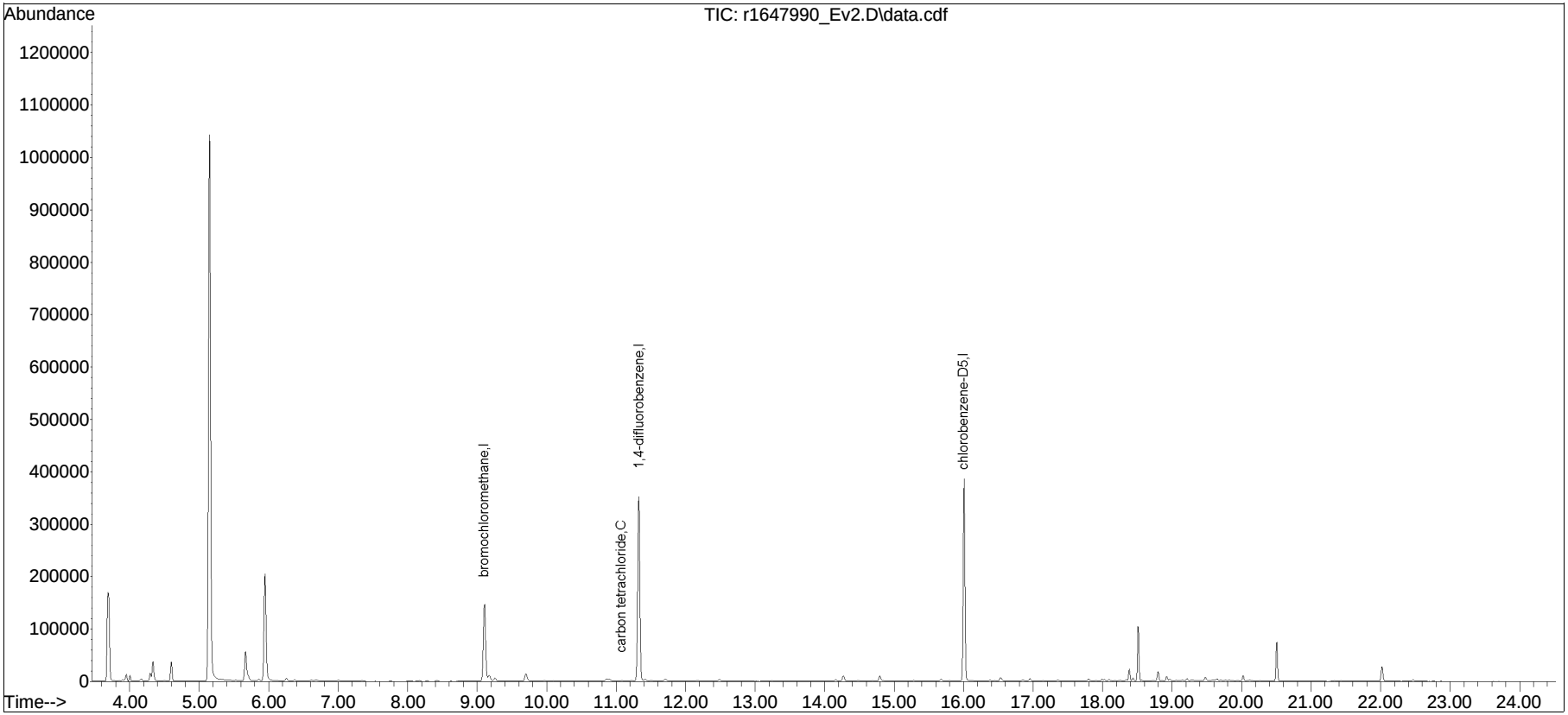
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.100	49	158172	10.000	ppbV	0.04
Standard Area = 170965			Recovery =		92.52%	
33) 1,4-difluorobenzene	11.327	114	467150	10.000	ppbV	0.05
Standard Area = 504366			Recovery =		92.62%	
51) chlorobenzene-D5	16.000	54	59511	10.000	ppbV	0.03
Standard Area = 64115			Recovery =		92.82%	
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.	d	
28) cis-1,2-dichloroethene	9.017		0	N.D.		
36) 1,1,1-trichloroethane	0.000		0	N.D.		
38) carbon tetrachloride	11.073	117	1165	0.086	ppbV #	94
44) trichloroethene	12.127		0	N.D.		
57) tetrachloroethene	15.417		0	N.D.		

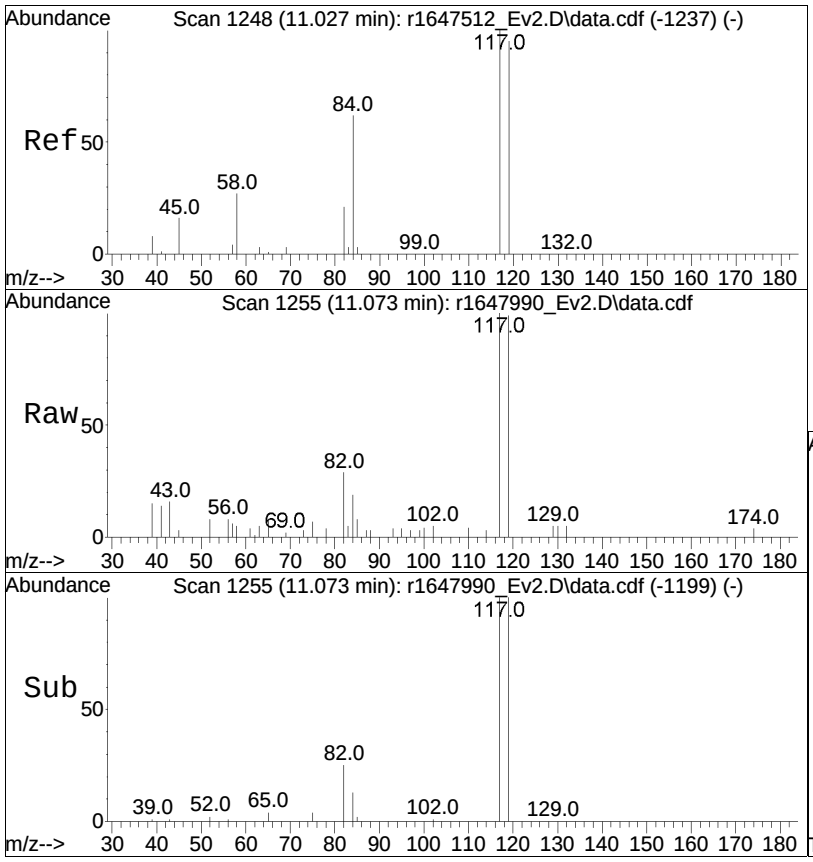
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab16\2025\01\0118SIM\r1647983_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647990_Ev2.D
Acq On : 18 Jan 2025 8:12 PM
Operator : AIRLAB16:BJB
Sample : L2500525-02,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:33:18 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

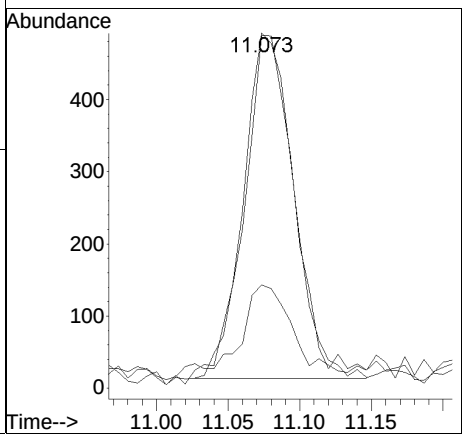




#38
carbon tetrachloride
Concen: 0.09 ppbV
RT: 11.073 min Scan# 1255
Delta R.T. 0.047 min
Lab File: r1647990_Ev2.D
Acq: 18 Jan 2025 8:12 PM

Tgt Ion:117 Resp: 1165

Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.2	114.4
82	29.1	17.2	25.8#

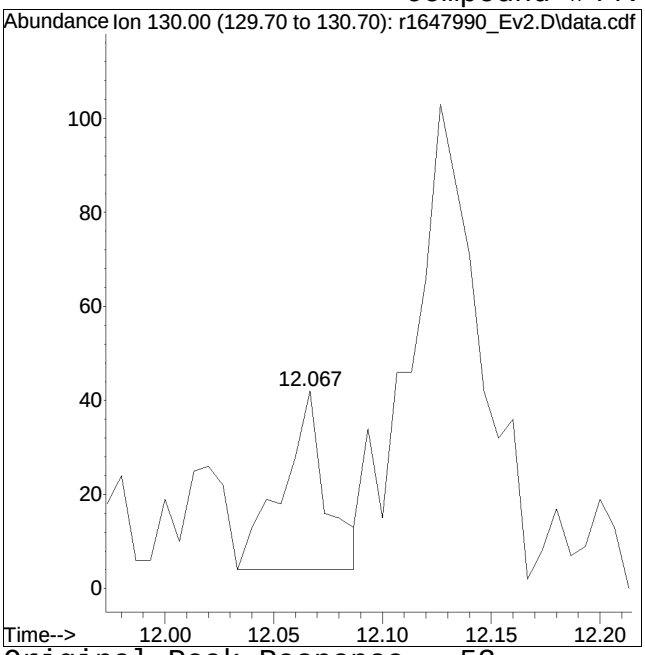


Manual Integration Report

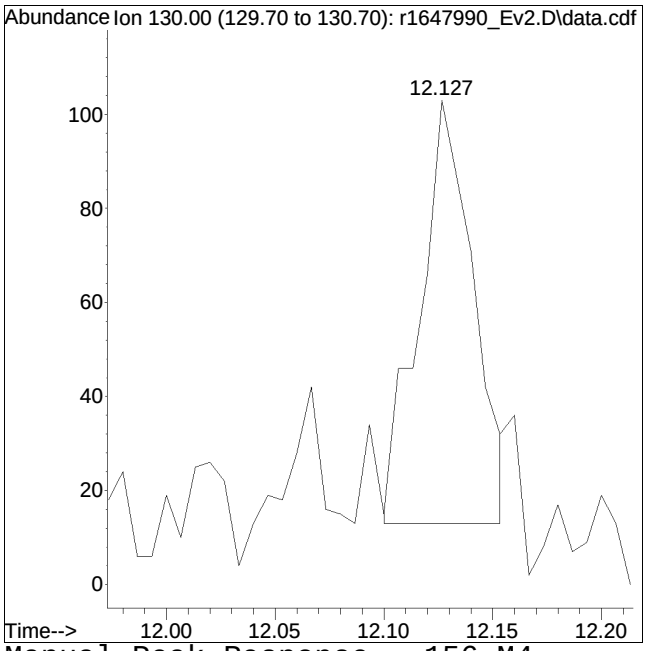
Data Path : X:\Airlab\Data\Airlab16\20Q
Data File : r1647990_Ev2.D
Date Inj'd : 1/18/2025 8:12 PM
Sample : L2500525-02,3,250,250

Method : TSIM16_241219.M
Operator : AIRLAB16:BJB
Instrument :
Quant Date : 1/19/2025 12:33 pm

Compound #44: trichloroethene



Original Peak Response = 53



Manual Peak Response = 156 M4

M4 = Poor automated baseline construction.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Keystone Environmental Services**	**Lab Number**	**: L2500525**
Project Name	**: BINGHAMTON PLAZA**	**Project Number**	**: 0426.01214.10**
Instrument ID	**: AIRLAB16**	**Ical Ref**	**: ICAL21801**
Calibration dates	**: 12/19/24 19:44 12/20/24 01:46**		

Calibration Files

0.02=r1647506_Ev2.D 0.05=r1647507_Ev2.D 0.1 =r1647508_Ev2.D 0.2 =r1647509_Ev2.D 0.5 =r1647510_Ev2.D

1.0 =r1647511_Ev2.D 5.0 =r1647512_Ev2.D 10.0=r1647513_Ev2.D 20.0=r1647514_Ev2.D 50.0=r1647515_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
1)	I	bromochloromethane	ISTD											
2)		propylene					0.494	0.465	0.469	0.458	0.399	0.405	0.438	9.86
3)		dichlorodifluoromethane					0.988	1.044	1.045	0.973	0.923	0.897	0.958	8.10
4)	C	chloromethane					0.551	0.560	0.557	0.515	0.493	0.485	0.516	8.16
5)		Freon-114			1.343	1.422	1.072	1.111	1.124	1.055	1.024	1.005	0.907	1.118	14.67
6)	C	vinyl chloride		0.526	0.605	0.557	0.423	0.470	0.461	0.440	0.432	0.433	0.406	0.476	13.81
7)	C	1,3-butadiene		0.463	0.479	0.488	0.370	0.375	0.382	0.367	0.364	0.365	0.340	0.399	13.70
8)	C	bromomethane		0.876	0.612	0.560	0.429	0.425	0.422	0.396	0.392	0.397	0.365	0.487	32.37
9)	C	chloroethane				0.268	0.212	0.223	0.213	0.200	0.200	0.204	0.187	0.213	11.45
10)		ethanol						0.414	0.386	0.337	0.329	0.331	0.310	0.351	11.37
11)	C	vinyl bromide					0.395	0.430	0.438	0.415	0.417	0.433	0.383	0.416	4.88
12)	C	acrolein			0.991	0.642	0.320	0.249	0.217	0.189	0.188	0.201	0.189	0.354	78.97
13)		acetone					0.617	0.894	0.598	0.517	0.514	0.524	0.447	0.587	24.99
14)		trichlorofluoromethane			0.788	0.908	0.636	1.039	0.689	0.971	0.648	0.998	0.591	0.808	21.58
15)		isopropyl alcohol					1.022	1.157	1.105	1.015	1.008	1.070	0.899	1.039	7.92
16)	C	acrylonitrile					0.393	0.409	0.411	0.400	0.410	0.449	0.443	0.416	5.09
17)	C	1,1-dichloroethene	0.861	0.895	0.949	0.717	0.751	0.834	0.774	0.776	0.813	0.685	0.806	10.08
18)		tertiary butyl alcohol					0.690	0.677	0.739	0.754	0.824	0.722	0.734	7.16
19)	C	methylene chloride					0.737	0.716	0.657	0.659	0.707	0.678	0.692	4.70
20)	C	3-chloropropene				0.730	0.766	0.787	0.757	0.773	0.823	0.718	0.765	4.61
21)	C	carbon disulfide				2.285	1.950	1.853	1.672	1.669	1.779	1.651	1.837	12.32
22)		Freon 113		1.423	1.458	1.090	1.143	1.158	1.093	1.094	1.157	1.015	1.181	13.02
23)		trans-1,2-dichloroethene	0.871	0.932	0.934	0.723	0.758	0.765	0.737	0.742	0.784	0.681	0.793	11.18
24)	C	1,1-dichloroethane	1.203	1.185	1.242	0.939	0.990	1.008	0.961	0.968	1.020	0.879	1.040	11.99
25)	C	MTBE	1.488	1.603	1.550	1.144	1.208	1.232	1.198	1.214	1.307	1.207	1.315	12.71
26)	C	vinyl acetate					1.144	1.167	1.023	1.038	1.244	1.134	1.125	7.37
27)	C	2-butanone				1.375	1.354	1.387	1.315	1.326	1.411	1.239	1.344	4.26
28)		cis-1,2-dichloroethene	0.829	0.915	0.915	0.698	0.718	0.745	0.714	0.715	0.761	0.661	0.767	11.67
29)		Ethyl Acetate					0.182	0.190	0.178	0.179	0.195	0.177	0.184	4.02
30)	C	chloroform	1.201	1.248	1.319	0.925	0.981	1.000	0.938	0.937	0.993	0.896	1.044	14.60
31)		Tetrahydrofuran					0.786	0.793	0.764	0.772	0.828	0.734	0.779	4.03
32)	C	1,2-dichloroethane	0.723	0.665	0.760	0.621	0.604	0.598	0.560	0.556	0.581	0.475	0.614	13.62
33)	I	1,4-difluorobenzene	ISTD											
34)	C	hexane				0.285	0.289	0.299	0.284	0.286	0.309	0.287	0.291	3.17
35)	s	1,2-dichloroethane-D4				0.219	0.217	0.222	0.206	0.208	0.218	0.182	0.210	6.64
36)	C	1,1,1-trichloroethane	0.392	0.389	0.383	0.286	0.299	0.305	0.291	0.295	0.320	0.277	0.324	14.19

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Keystone Environmental Services**	**Lab Number**	**: L2500525**
Project Name	**: BINGHAMTON PLAZA**	**Project Number**	**: 0426.01214.10**
Instrument ID	**: AIRLAB16**	**Ical Ref**	**: ICAL21801**
Calibration dates	**: 12/19/24 19:44 12/20/24 01:46**		

Calibration Files

0.02=r1647506_Ev2.D 0.05=r1647507_Ev2.D 0.1 =r1647508_Ev2.D 0.2 =r1647509_Ev2.D 0.5 =r1647510_Ev2.D

1.0 =r1647511_Ev2.D 5.0 =r1647512_Ev2.D 10.0=r1647513_Ev2.D 20.0=r1647514_Ev2.D 50.0=r1647515_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
37)	C	benzene			1.057	0.739	0.709	0.698	0.646	0.654	0.711	0.698	0.739	17.88
38)	C	carbon tetrachloride	0.322	0.356	0.336	0.246	0.265	0.267	0.262	0.268	0.293	0.269	0.288	12.83
39)		cyclohexane				0.295	0.306	0.312	0.301	0.304	0.329	0.315	0.309	3.58
40)		Dibromomethane		0.338	0.312	0.219	0.229	0.234	0.221	0.222	0.234	0.209	0.246	18.53
41)	C	1,2-dichloropropane	0.379	0.338	0.322	0.234	0.242	0.253	0.239	0.238	0.256	0.229	0.273	19.47
42)		bromodichloromethane	0.438	0.442	0.438	0.310	0.324	0.338	0.327	0.329	0.360	0.334	0.364	14.72
43)	C	1,4-dioxane			0.198	0.133	0.139	0.134	0.135	0.138	0.152	0.143	0.146	14.82
44)	C	trichloroethene	0.376	0.422	0.389	0.297	0.312	0.319	0.302	0.305	0.329	0.301	0.335	13.20
45)	C	2,2,4-trimethylpentane				0.935	0.985	1.002	0.932	0.930	0.991	0.923	0.957	3.56
46)		heptane				0.441	0.455	0.477	0.450	0.456	0.489	0.436	0.458	4.20
47)	C	cis-1,3-dichloropropene	0.351	0.381	0.378	0.280	0.292	0.301	0.304	0.317	0.360	0.353	0.332	11.20
48)	C	4-methyl-2-pentanone					0.528	0.547	0.543	0.555	0.606	0.540	0.553	4.93
49)		trans-1,3-dichloropropene	0.245	0.226	0.248	0.179	0.195	0.204	0.215	0.231	0.269	0.266	0.228	13.09
50)	C	1,1,2-trichloroethane	0.377	0.377	0.380	0.268	0.288	0.292	0.275	0.279	0.301	0.272	0.311	15.22
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene			1.033	0.690	0.676	0.677	0.629	0.635	0.683	0.644	0.708	18.78
53)	s	toluene-D8				6.697	6.707	6.850	6.341	6.502	7.089	6.920	6.729	3.76
54)		2-hexanone				3.181	3.614	3.905	3.931	4.046	4.529	4.193	3.914	10.94
55)		dibromochloromethane	3.470	3.597	3.523	2.665	2.830	2.900	2.839	2.908	3.185	3.041	3.096	10.67
56)	C	1,2-dibromoethane	4.141	4.080	4.145	2.941	3.175	3.291	3.182	3.247	3.609	3.549	3.536	12.62
57)	C	tetrachloroethene	3.756	3.468	3.481	2.563	2.685	2.731	2.577	2.594	2.812	2.702	2.937	15.28
58)		1,1,1,2-tetrachloroethane	2.792	3.039	3.078	2.182	2.225	2.270	2.239	2.295	2.489	2.339	2.495	13.85
59)	C	chlorobenzene		6.656	7.118	5.002	5.253	5.382	5.116	5.180	5.748	5.654	5.679	12.94
60)	C	ethylbenzene	1.141	1.074	1.087	0.778	0.832	0.860	0.810	0.811	0.875	0.825	0.909	14.92
61)	C	m+p-xylene	9.989	8.878	8.844	6.284	6.742	6.933	6.450	6.415	6.786	6.344	7.367	18.23
62)	C	bromoform	2.599	2.702	2.852	1.968	2.128	2.241	2.178	2.255	2.519	2.517	2.396	11.79
63)	C	styrene	7.532	7.060	7.182	4.693	5.082	5.286	5.318	5.474	6.080	6.072	5.978	16.43
64)	C	1,1,2,2-tetrachloroethane	5.483	5.907	6.092	4.285	4.830	5.100	4.726	4.668	5.012	4.935	5.104	11.08
65)	C	o-xylene	1.016	0.929	0.930	0.655	0.699	0.721	0.667	0.657	0.685	0.634	0.759	18.63
66)		1,2,3-Trichloropropane	3.713	3.923	4.474	2.905	3.489	3.598	3.489	3.550	3.886	3.979	3.701	11.09
67)	s	bromofluorobenzene				4.606	4.676	4.750	4.463	4.476	4.737	4.757	4.638	2.73
68)	C	isopropylbenzene				7.932	8.817	9.016	8.689	8.824	9.463	9.168	8.844	5.42
69)		Bromobenzene	5.012	5.318	5.520	3.999	4.477	4.606	4.431	4.502	4.908	4.984	4.776	9.57
70)		4-ethyl toluene	0.858	0.855	1.002	0.662	0.867	0.918	0.892	0.905	0.988	0.961	0.891	10.78
71)		1,3,5-trimethylbenzene	9.267	9.022	9.539	6.494	7.524	7.919	7.601	7.699	8.308	8.014	8.139	11.34
72)		tert-butylbenzene				7.072	8.314	8.636	8.106	8.020	8.321	7.804	8.039	6.23

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Keystone Environmental Services**	**Lab Number**	**: L2500525**
Project Name	**: BINGHAMTON PLAZA**	**Project Number**	**: 0426.01214.10**
Instrument ID	**: AIRLAB16**	**Ical Ref**	**: ICAL21801**
Calibration dates	**: 12/19/24 19:44 12/20/24 01:46**		

Calibration Files

0.02=r1647506_Ev2.D 0.05=r1647507_Ev2.D 0.1 =r1647508_Ev2.D 0.2 =r1647509_Ev2.D 0.5 =r1647510_Ev2.D

1.0 =r1647511_Ev2.D 5.0 =r1647512_Ev2.D 10.0=r1647513_Ev2.D 20.0=r1647514_Ev2.D 50.0=r1647515_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
73)		1,2,4-trimethylbenzene	1.070	0.936	0.960	0.664	0.758	0.804	0.774	0.781	0.834	0.756	0.834	14.40
74)	C	Benzyl Chloride			1.858	1.161	1.681	2.377	3.048	3.583	4.376	4.832	2.864	46.20
75)		1,3-dichlorobenzene	3.948	5.601	6.758	3.702	5.619	6.120	5.937	6.076	6.528	6.394	5.668	18.34
76)	C	1,4-dichlorobenzene	4.098	5.839	6.809	3.892	5.481	5.877	5.805	5.996	6.497	6.382	5.668	17.00
77)		sec-butylbenzene				0.935	1.115	1.174	1.128	1.144	1.225	1.157	1.125	8.11
78)		p-isopropyltoluene				0.800	0.961	1.024	0.971	0.960	1.003	0.938	0.951	7.62
79)		1,2-dichlorobenzene	4.891	5.382	6.622	3.695	5.266	5.889	5.697	5.821	6.276	6.283	5.582	15.10
80)		n-butylbenzene				5.867	7.622	8.655	8.718	8.763	9.027	8.635	8.184	13.61
81)		1,2-dibromo-3-chloropr...	1.521	1.465	1.719	1.030	1.391	1.523	1.717	1.861	2.022	2.114	1.636	19.59
82)	C	1,2,4-trichlorobenzene		1.148	1.561	0.805	1.409	1.971	2.738	3.264	3.320	3.707	2.214	48.14
83)		naphthalene		0.678	0.783	0.358	0.591	0.748	0.894	1.007	0.982	1.057	0.789	28.59
84)		1,2,3-trichlorobenzene		1.838	2.238	0.959	1.685	2.245	2.571	2.985	2.952	3.335	2.312	32.20
85)	C	hexachlorobutadiene		3.202	3.620	1.512	2.131	2.543	2.527	2.619	2.622	2.635	2.601	22.81

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Method File : TSIM16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 14:34:10 2024
Response Via : Initial Calibration

Calibration Files
0.02=r1647506_Ev2.D 0.05=r1647507_Ev2.D 0.1 =r1647508_Ev2.D 0.2 =r1647509_Ev2.D 0.5 =r1647510_Ev2.D
1.0 =r1647511_Ev2.D 5.0 =r1647512_Ev2.D 10.0=r1647513_Ev2.D 20.0=r1647514_Ev2.D 50.0=r1647515_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
1)	I	bromochloromethane	ISTD											
2)		propylene				0.494	0.465	0.469	0.458	0.399	0.405	0.380	0.438	9.86
3)		dichlorodifluo...				0.988	1.044	1.045	0.973	0.923	0.897	0.835	0.958	8.10
4)	C	chloromethane				0.551	0.560	0.557	0.515	0.493	0.485	0.451	0.516	8.16
5)		Freon-114		1.343	1.422	1.072	1.111	1.124	1.055	1.024	1.005	0.907	1.118	14.67
6)	C	vinyl chloride	0.526	0.605	0.557	0.423	0.470	0.461	0.440	0.432	0.433	0.406	0.476	13.81
7)	C	1,3-butadiene	0.463	0.479	0.488	0.370	0.375	0.382	0.367	0.364	0.365	0.340	0.399	13.70
8)	C	bromomethane	0.876	0.612	0.560	0.429	0.425	0.422	0.396	0.392	0.397	0.365	0.487	32.37
#														
9)	C	chloroethane			0.268	0.212	0.223	0.213	0.200	0.200	0.204	0.187	0.213	11.45
10)		ethanol					0.414	0.386	0.337	0.329	0.331	0.310	0.351	11.37
11)	C	vinyl bromide				0.395	0.430	0.438	0.415	0.417	0.433	0.383	0.416	4.88
12)	C	acrolein		0.991	0.642	0.320	0.249	0.217	0.189	0.188	0.201	0.189	0.354	78.97
#														
13)		acetone				0.617	0.894	0.598	0.517	0.514	0.524	0.447	0.587	24.99
14)		trichlorofluor...		0.788	0.908	0.636	1.039	0.689	0.971	0.648	0.998	0.591	0.808	21.58
15)		isopropyl alcohol				1.022	1.157	1.105	1.015	1.008	1.070	0.899	1.039	7.92
16)	C	acrylonitrile				0.393	0.409	0.411	0.400	0.410	0.449	0.443	0.416	5.09

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Method File : TSIM16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 14:34:10 2024
Response Via : Initial Calibration

Calibration Files
0.02=r1647506_Ev2.D 0.05=r1647507_Ev2.D 0.1 =r1647508_Ev2.D 0.2 =r1647509_Ev2.D 0.5 =r1647510_Ev2.D
1.0 =r1647511_Ev2.D 5.0 =r1647512_Ev2.D 10.0=r1647513_Ev2.D 20.0=r1647514_Ev2.D 50.0=r1647515_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
17)	C	1,1-dichloroet...	0.861	0.895	0.949	0.717	0.751	0.834	0.774	0.776	0.813	0.685	0.806	10.08
18)		tertiary butyl...					0.690	0.677	0.739	0.754	0.824	0.722	0.734	7.16
19)	C	methylene chlo...					0.737	0.716	0.657	0.659	0.707	0.678	0.692	4.70
20)	C	3-chloropropene				0.730	0.766	0.787	0.757	0.773	0.823	0.718	0.765	4.61
21)	C	carbon disulfide				2.285	1.950	1.853	1.672	1.669	1.779	1.651	1.837	12.32
22)		Freon 113		1.423	1.458	1.090	1.143	1.158	1.093	1.094	1.157	1.015	1.181	13.02
23)		trans-1,2-dich...	0.871	0.932	0.934	0.723	0.758	0.765	0.737	0.742	0.784	0.681	0.793	11.18
24)	C	1,1-dichloroet...	1.203	1.185	1.242	0.939	0.990	1.008	0.961	0.968	1.020	0.879	1.040	11.99
25)	C	MTBE	1.488	1.603	1.550	1.144	1.208	1.232	1.198	1.214	1.307	1.207	1.315	12.71
26)	C	vinyl acetate					1.144	1.167	1.023	1.038	1.244	1.134	1.125	7.37
27)	C	2-butanone				1.375	1.354	1.387	1.315	1.326	1.411	1.239	1.344	4.26
28)		cis-1,2-dichlo...	0.829	0.915	0.915	0.698	0.718	0.745	0.714	0.715	0.761	0.661	0.767	11.67
29)		Ethyl Acetate					0.182	0.190	0.178	0.179	0.195	0.177	0.184	4.02
30)	C	chloroform	1.201	1.248	1.319	0.925	0.981	1.000	0.938	0.937	0.993	0.896	1.044	14.60
31)		Tetrahydrofuran					0.786	0.793	0.764	0.772	0.828	0.734	0.779	4.03
32)	C	1,2-dichloroet...	0.723	0.665	0.760	0.621	0.604	0.598	0.560	0.556	0.581	0.475	0.614	13.62

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Method File : TSIM16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 14:34:10 2024
Response Via : Initial Calibration

Calibration Files
0.02=r1647506_Ev2.D 0.05=r1647507_Ev2.D 0.1 =r1647508_Ev2.D 0.2 =r1647509_Ev2.D 0.5 =r1647510_Ev2.D
1.0 =r1647511_Ev2.D 5.0 =r1647512_Ev2.D 10.0=r1647513_Ev2.D 20.0=r1647514_Ev2.D 50.0=r1647515_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
33)	I	1,4-difluorobenzene	ISTD											
34)	C	hexane				0.285	0.289	0.299	0.284	0.286	0.309	0.287	0.291	3.17
35)	s	1,2-dichloroet...				0.219	0.217	0.222	0.206	0.208	0.218	0.182	0.210	6.64
36)	C	1,1,1-trichlor...	0.392	0.389	0.383	0.286	0.299	0.305	0.291	0.295	0.320	0.277	0.324	14.19
37)	C	benzene			1.057	0.739	0.709	0.698	0.646	0.654	0.711	0.698	0.739	17.88
38)	C	carbon tetrach...	0.322	0.356	0.336	0.246	0.265	0.267	0.262	0.268	0.293	0.269	0.288	12.83
39)		cyclohexane				0.295	0.306	0.312	0.301	0.304	0.329	0.315	0.309	3.58
40)		Dibromomethane		0.338	0.312	0.219	0.229	0.234	0.221	0.222	0.234	0.209	0.246	18.53
41)	C	1,2-dichloropr...	0.379	0.338	0.322	0.234	0.242	0.253	0.239	0.238	0.256	0.229	0.273	19.47
42)		bromodichlorom...	0.438	0.442	0.438	0.310	0.324	0.338	0.327	0.329	0.360	0.334	0.364	14.72
43)	C	1,4-dioxane			0.198	0.133	0.139	0.134	0.135	0.138	0.152	0.143	0.146	14.82
44)	C	trichloroethene	0.376	0.422	0.389	0.297	0.312	0.319	0.302	0.305	0.329	0.301	0.335	13.20
45)	C	2,2,4-trimethy...				0.935	0.985	1.002	0.932	0.930	0.991	0.923	0.957	3.56
46)		heptane				0.441	0.455	0.477	0.450	0.456	0.489	0.436	0.458	4.20
47)	C	cis-1,3-dichlo...	0.351	0.381	0.378	0.280	0.292	0.301	0.304	0.317	0.360	0.353	0.332	11.20
48)	C	4-methyl-2-pen...					0.528	0.547	0.543	0.555	0.606	0.540	0.553	4.93

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Method File : TSIM16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 14:34:10 2024
Response Via : Initial Calibration

Calibration Files
0.02=r1647506_Ev2.D 0.05=r1647507_Ev2.D 0.1 =r1647508_Ev2.D 0.2 =r1647509_Ev2.D 0.5 =r1647510_Ev2.D
1.0 =r1647511_Ev2.D 5.0 =r1647512_Ev2.D 10.0=r1647513_Ev2.D 20.0=r1647514_Ev2.D 50.0=r1647515_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
49)		trans-1,3-dich...	0.245	0.226	0.248	0.179	0.195	0.204	0.215	0.231	0.269	0.266	0.228	13.09
50)	C	1,1,2-trichlor...	0.377	0.377	0.380	0.268	0.288	0.292	0.275	0.279	0.301	0.272	0.311	15.22
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene			1.033	0.690	0.676	0.677	0.629	0.635	0.683	0.644	0.708	18.78
53)	s	toluene-D8				6.697	6.707	6.850	6.341	6.502	7.089	6.920	6.729	3.76
54)		2-hexanone				3.181	3.614	3.905	3.931	4.046	4.529	4.193	3.914	10.94
55)		dibromochlorom...	3.470	3.597	3.523	2.665	2.830	2.900	2.839	2.908	3.185	3.041	3.096	10.67
56)	C	1,2-dibromoethane	4.141	4.080	4.145	2.941	3.175	3.291	3.182	3.247	3.609	3.549	3.536	12.62
57)	C	tetrachloroethene	3.756	3.468	3.481	2.563	2.685	2.731	2.577	2.594	2.812	2.702	2.937	15.28
58)		1,1,1,2-tetrac...	2.792	3.039	3.078	2.182	2.225	2.270	2.239	2.295	2.489	2.339	2.495	13.85
59)	C	chlorobenzene		6.656	7.118	5.002	5.253	5.382	5.116	5.180	5.748	5.654	5.679	12.94
60)	C	ethylbenzene	1.141	1.074	1.087	0.778	0.832	0.860	0.810	0.811	0.875	0.825	0.909	14.92
61)	C	m+p-xylene	9.989	8.878	8.844	6.284	6.742	6.933	6.450	6.415	6.786	6.344	7.367	18.23
62)	C	bromoform	2.599	2.702	2.852	1.968	2.128	2.241	2.178	2.255	2.519	2.517	2.396	11.79
63)	C	styrene	7.532	7.060	7.182	4.693	5.082	5.286	5.318	5.474	6.080	6.072	5.978	16.43
64)	C	1,1,2,2-tetrac...	5.483	5.907	6.092	4.285	4.830	5.100	4.726	4.668	5.012	4.935	5.104	11.08

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Method File : TSIM16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 14:34:10 2024
Response Via : Initial Calibration

Calibration Files
0.02=r1647506_Ev2.D 0.05=r1647507_Ev2.D 0.1 =r1647508_Ev2.D 0.2 =r1647509_Ev2.D 0.5 =r1647510_Ev2.D
1.0 =r1647511_Ev2.D 5.0 =r1647512_Ev2.D 10.0=r1647513_Ev2.D 20.0=r1647514_Ev2.D 50.0=r1647515_Ev2.D

		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
65)	C	o-xylene	1.016	0.929	0.930	0.655	0.699	0.721	0.667	0.657	0.685	0.634	0.759	18.63
66)		1,2,3-Trichlor...	3.713	3.923	4.474	2.905	3.489	3.598	3.489	3.550	3.886	3.979	3.701	11.09
67)	s	bromofluoroben...				4.606	4.676	4.750	4.463	4.476	4.737	4.757	4.638	2.73
68)	C	isopropylbenzene				7.932	8.817	9.016	8.689	8.824	9.463	9.168	8.844	5.42
69)		Bromobenzene	5.012	5.318	5.520	3.999	4.477	4.606	4.431	4.502	4.908	4.984	4.776	9.57
70)		4-ethyl toluene	0.858	0.855	1.002	0.662	0.867	0.918	0.892	0.905	0.988	0.961	0.891	10.78
71)		1,3,5-trimethy...	9.267	9.022	9.539	6.494	7.524	7.919	7.601	7.699	8.308	8.014	8.139	11.34
72)		tert-butylbenzene				7.072	8.314	8.636	8.106	8.020	8.321	7.804	8.039	6.23
73)		1,2,4-trimethy...	1.070	0.936	0.960	0.664	0.758	0.804	0.774	0.781	0.834	0.756	0.834	14.40
74)	C	Benzyl Chloride			1.858	1.161	1.681	2.377	3.048	3.583	4.376	4.832	2.864	46.20
#														
75)		1,3-dichlorobe...	3.948	5.601	6.758	3.702	5.619	6.120	5.937	6.076	6.528	6.394	5.668	18.34
76)	C	1,4-dichlorobe...	4.098	5.839	6.809	3.892	5.481	5.877	5.805	5.996	6.497	6.382	5.668	17.00
77)		sec-butylbenzene				0.935	1.115	1.174	1.128	1.144	1.225	1.157	1.125	8.11
78)		p-isopropyltol...				0.800	0.961	1.024	0.971	0.960	1.003	0.938	0.951	7.62
79)		1,2-dichlorobe...	4.891	5.382	6.622	3.695	5.266	5.889	5.697	5.821	6.276	6.283	5.582	15.10
80)		n-butylbenzene				5.867	7.622	8.655	8.718	8.763	9.027	8.635	8.184	13.61

Response Factor Report

Method Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Method File : TSIM16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 14:34:10 2024
Response Via : Initial Calibration

Calibration Files
0.02=r1647506_Ev2.D 0.05=r1647507_Ev2.D 0.1 =r1647508_Ev2.D 0.2 =r1647509_Ev2.D 0.5 =r1647510_Ev2.D
1.0 =r1647511_Ev2.D 5.0 =r1647512_Ev2.D 10.0=r1647513_Ev2.D 20.0=r1647514_Ev2.D 50.0=r1647515_Ev2.D

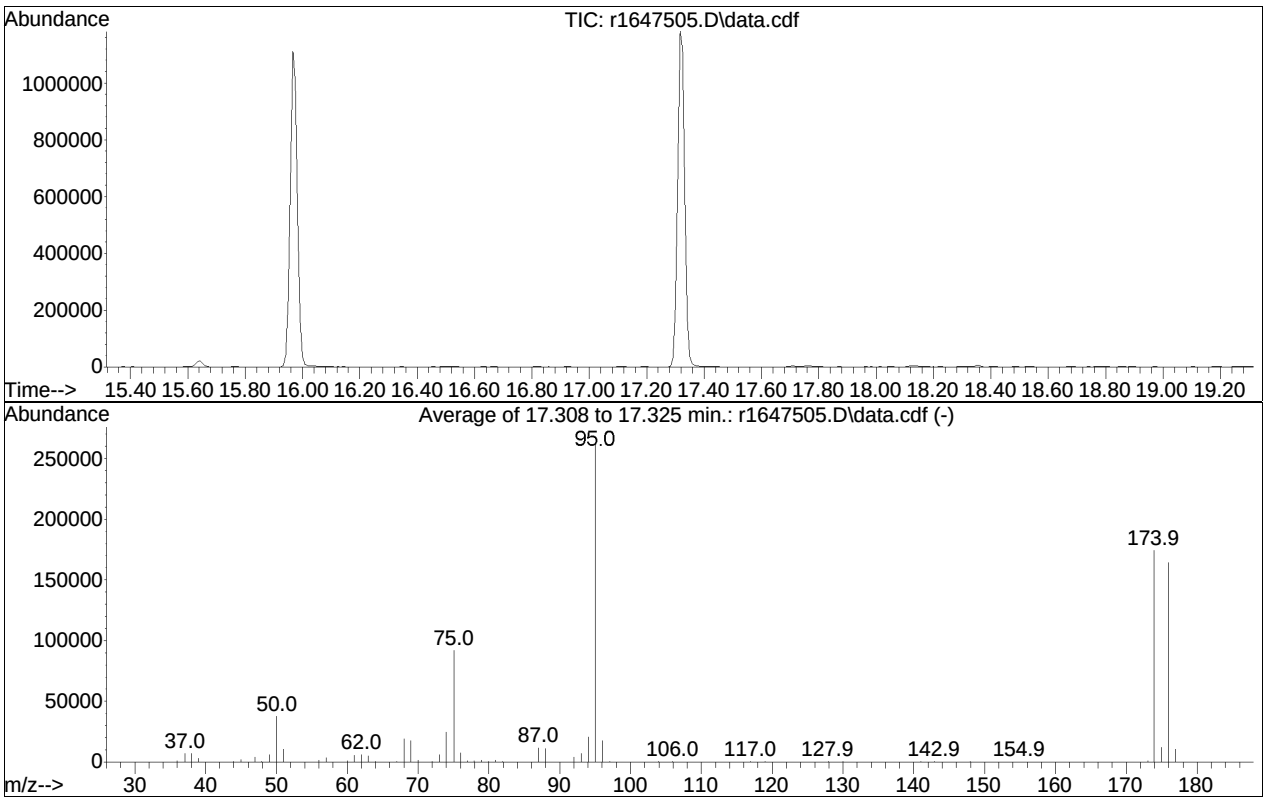
		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
81)		1,2-dibromo-3-...	1.521	1.465	1.719	1.030	1.391	1.523	1.717	1.861	2.022	2.114	1.636	19.59
82)	C	1,2,4-trichlor...		1.148	1.561	0.805	1.409	1.971	2.738	3.264	3.320	3.707	2.214	48.14
#														
83)		naphthalene		0.678	0.783	0.358	0.591	0.748	0.894	1.007	0.982	1.057	0.789	28.59
84)		1,2,3-trichlor...		1.838	2.238	0.959	1.685	2.245	2.571	2.985	2.952	3.335	2.312	32.20
#														
85)	C	hexachlorobuta...		3.202	3.620	1.512	2.131	2.543	2.527	2.619	2.622	2.635	2.601	22.81

(#) = Out of Range

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647505.D
Acq On : 19 Dec 2024 7:08 PM
Operator : AIRLAB16:JMB
Sample : WG2011938-1,3,250,250
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 14:34:10 2024



Spectrum Information: Average of 17.308 to 17.325 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.3	37574	PASS
75	95	30	66	35.0	91965	PASS
95	95	100	100	100.0	263052	PASS
96	95	5	9	6.6	17485	PASS
173	174	0.00	2	0.6	1053	PASS
174	95	50	120	66.3	174377	PASS
175	174	4	9	6.9	12089	PASS
176	174	93	101	94.2	164262	PASS
177	176	5	9	6.6	10771	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647506_Ev2.D
Acq On : 19 Dec 2024 7:44 PM
Operator : AIRLAB16:JMB
Sample : ITO15-SIMTD0.02
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:39:52 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.050	49	203243	10.000	ppbV	0.00
Standard Area = 199429			Recovery = 101.91%			
33) 1,4-difluorobenzene	11.267	114	567472	10.000	ppbV	0.00
Standard Area = 578636			Recovery = 98.07%			
51) chlorobenzene-D5	15.967	54	70030	10.000	ppbV	0.00
Standard Area = 72243			Recovery = 96.94%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.025	65	78	0.007	ppbV	0.11
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.07%#			
53) toluene-D8	14.108	98	493	0.011	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.11%#			
67) bromofluorobenzene	17.325	95	790	0.025	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.25%#			
Target Compounds						Qvalue
2) propylene	3.904	41	372M6	0.040	ppbV	
3) dichlorodifluoromethane	3.976	85	552	0.028	ppbV	93
4) chloromethane	4.138	50	428	0.041	ppbV #	81
5) Freon-114	4.246	85	586	0.027	ppbV #	95
6) vinyl chloride	4.366	62	214	0.024	ppbV #	39
7) 1,3-butadiene	4.504	54	188	0.025	ppbV #	59
8) bromomethane	4.792	94	356	0.044	ppbV	97
9) chloroethane	4.978	64	99	0.024	ppbV #	79
10) ethanol	5.110	31	1601	0.234	ppbV	85
11) vinyl bromide	5.360	106	172M4	0.020	ppbV	
12) acrolein	5.487	56	834	0.217	ppbV #	32
13) acetone	5.633	43	3099	0.295	ppbV #	97
14) trichlorofluoromethane	5.817	101	489	0.025	ppbV	91
15) isopropyl alcohol	5.913	45	2858	0.139	ppbV #	93
16) acrylonitrile	6.137	53	212M4	0.026	ppbV	
17) 1,1-dichloroethene	6.510	61	350	0.022	ppbV #	93
18) tertiary butyl alcohol	6.582	59	403	0.027	ppbV #	66
19) methylene chloride	6.648	49	834	0.062	ppbV	93
20) 3-chloropropene	6.780	41	438	0.028	ppbV #	65
21) carbon disulfide	6.960	76	4582	0.135	ppbV #	1
22) Freon 113	6.948	101	603	0.027	ppbV #	96
23) trans-1,2-dichloroethene	7.692	61	354M4	0.024	ppbV	
24) 1,1-dichloroethane	7.917	63	489	0.025	ppbV #	77

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647506_Ev2.D
Acq On : 19 Dec 2024 7:44 PM
Operator : AIRLAB16:JMB
Sample : ITO15-SIMTD0.02
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:39:52 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.008	73	605	0.025	ppbV	#	56
26) vinyl acetate	8.083	43	1366M4	0.066	ppbV		
27) 2-butanone	8.375	43	1191	0.045	ppbV	#	88
28) cis-1,2-dichloroethene	8.858	61	337	0.023	ppbV		95
29) Ethyl Acetate	9.133	61	126	0.035	ppbV	#	8
30) chloroform	9.208	83	488	0.026	ppbV	#	90
31) Tetrahydrofuran	9.675	42	1001	0.064	ppbV	#	86
32) 1,2-dichloroethane	10.033	62	294	0.026	ppbV	#	64
34) hexane	9.108	57	509	0.032	ppbV	#	24
36) 1,1,1-trichloroethane	10.325	97	445	0.027	ppbV	#	86
37) benzene	10.853	78	2376	0.065	ppbV		99
38) carbon tetrachloride	11.027	117	366	0.025	ppbV	#	70
39) cyclohexane	11.167	56	450	0.026	ppbV	#	86
40) Dibromomethane	11.767	93	458	0.037	ppbV	#	91
41) 1,2-dichloropropane	11.793	63	430	0.032	ppbV	#	75
42) bromodichloromethane	12.027	83	497	0.027	ppbV	#	87
43) 1,4-dioxane	12.087	88	401	0.052	ppbV	#	68
44) trichloroethene	12.073	130	427M4	0.025	ppbV		
45) 2,2,4-trimethylpentane	12.120	57	1470	0.028	ppbV	#	86
46) heptane	12.427	43	759	0.030	ppbV	#	89
47) cis-1,3-dichloropropene	13.075	75	398	0.023	ppbV	#	73
48) 4-methyl-2-pentanone	13.142	43	729	0.024	ppbV	#	84
49) trans-1,3-dichloropropene	13.708	75	278	0.023	ppbV	#	49
50) 1,1,2-trichloroethane	13.908	97	428	0.027	ppbV	#	83
52) toluene	14.217	91	2622	0.060	ppbV		97
54) 2-hexanone	14.517	43	594	0.022	ppbV	#	94
55) dibromochloromethane	14.667	129	486	0.024	ppbV	#	92
56) 1,2-dibromoethane	14.917	107	580	0.026	ppbV		97
57) tetrachloroethene	15.375	166	526	0.029	ppbV		90
58) 1,1,1,2-tetrachloroethane	15.992	131	391	0.025	ppbV	#	92
59) chlorobenzene	16.008	112	925	0.026	ppbV	#	88
60) ethylbenzene	16.342	91	1598	0.028	ppbV		95
61) m+p-xylene	16.500	91	2798	0.062	ppbV		99
62) bromoform	16.583	173	364	0.024	ppbV		97
63) styrene	16.833	104	1055	0.028	ppbV		96
64) 1,1,2,2-tetrachloroethane	16.925	83	768	0.023	ppbV		99
65) o-xylene	16.925	91	1423	0.030	ppbV		96
66) 1,2,3-Trichloropropane	17.042	75	520	0.021	ppbV	#	93
68) isopropylbenzene	17.442	105	1424	0.023	ppbV		94
69) Bromobenzene	17.517	77	702	0.023	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647506_Ev2.D
Acq On : 19 Dec 2024 7:44 PM
Operator : AIRLAB16:JMB
Sample : ITO15-SIMTD0.02
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:39:52 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

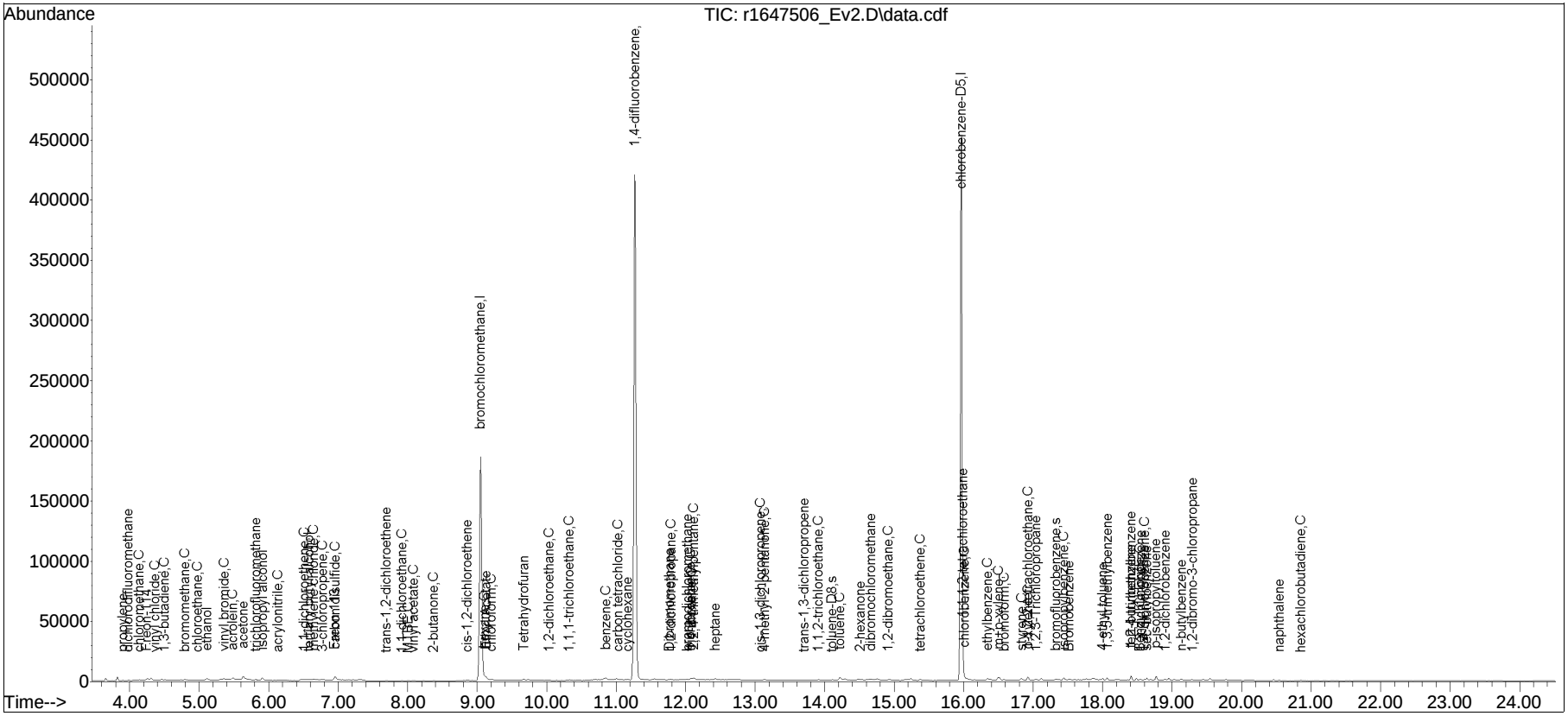
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	18.000	105	1202	0.019	ppbV #	92
71) 1,3,5-trimethylbenzene	18.067	105	1298	0.024	ppbV #	98
72) tert-butylbenzene	18.408	119	1410	0.025	ppbV	98
73) 1,2,4-trimethylbenzene	18.408	105	1498	0.028	ppbV	99
74) Benzyl Chloride	18.542	91	216	0.010	ppbV #	66
75) 1,3-dichlorobenzene	18.550	146	553	0.013	ppbV #	88
76) 1,4-dichlorobenzene	18.608	146	574	0.014	ppbV #	92
77) sec-butylbenzene	18.633	105	1666	0.021	ppbV	95
78) p-isopropyltoluene	18.767	119	1487	0.022	ppbV	100
79) 1,2-dichlorobenzene	18.900	146	685	0.017	ppbV #	79
80) n-butylbenzene	19.133	91	1064	0.017	ppbV #	89
81) 1,2-dibromo-3-chloropr...	19.292	75	213	0.018	ppbV	83
82) 1,2,4-trichlorobenzene	20.425		0	N.D.		
83) naphthalene	20.542	128	855	0.014	ppbV #	79
84) 1,2,3-trichlorobenzene	20.792		0	N.D.		
85) hexachlorobutadiene	20.850	225	293	0.017	ppbV #	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219SIM_I\r1647512_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647506_Ev2.D
Acq On : 19 Dec 2024 7:44 PM
Operator : AIRLAB16:JMB
Sample : ITO15-SIMTD0.02
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:39:52 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

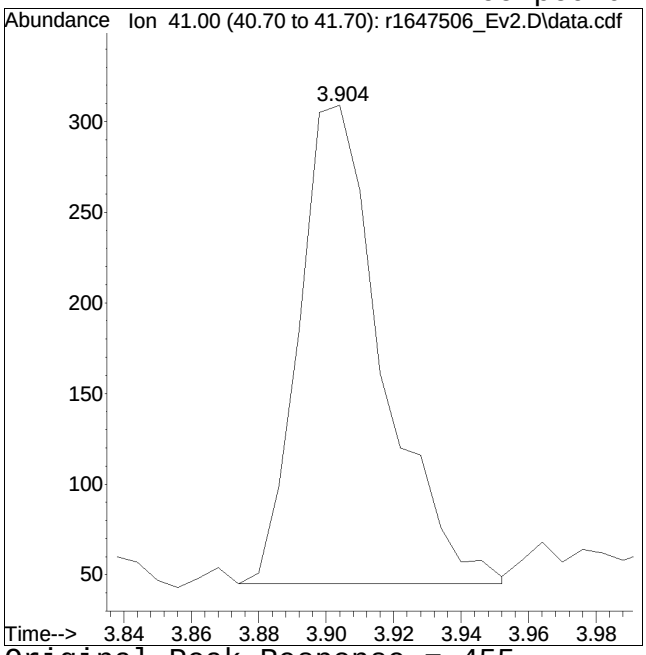


Manual Integration Report

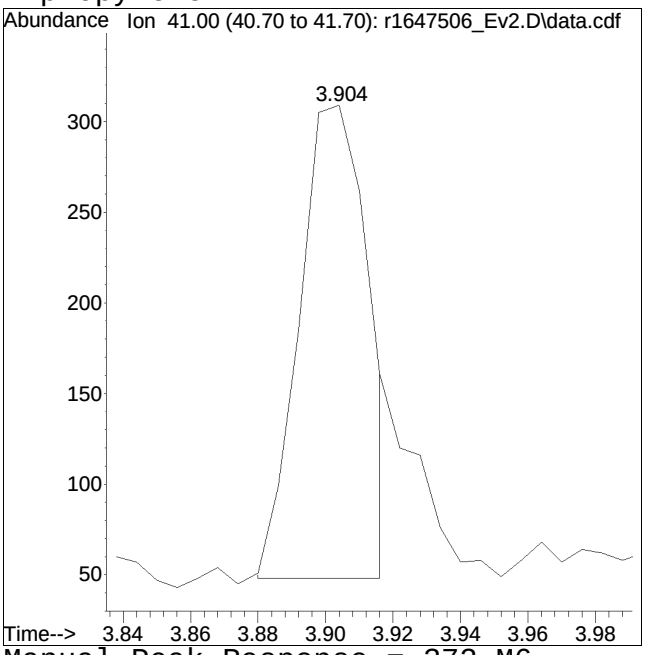
Data Path : X:\Airlab\Data\Airlab16\20Q
Data File : r1647506_Ev2.D
Date Inj'd : 12/19/2024 7:44 PM
Sample : ITO15-SIMTD0.02

Method : TSIM16_241219.M
Operator : AIRLAB16:JMB
Instrument :
Quant Date : 12/20/2024 5:39 am

Compound #2: propylene



Original Peak Response = 455



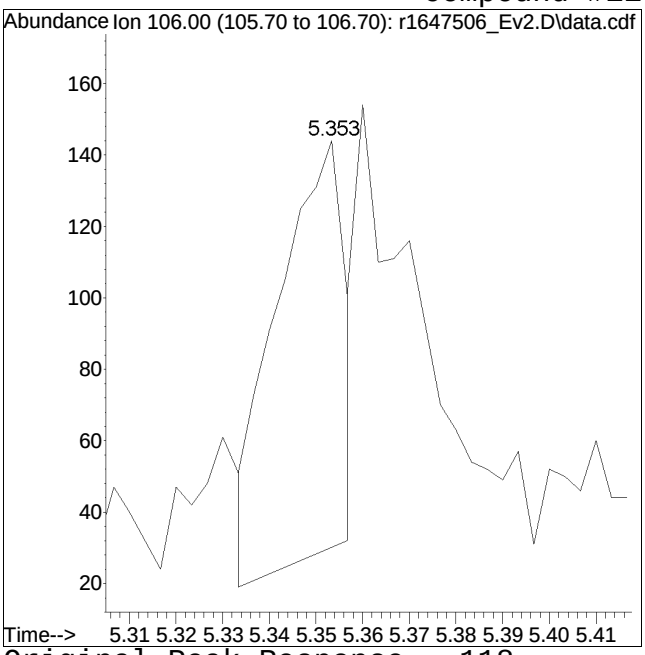
Manual Peak Response = 372 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

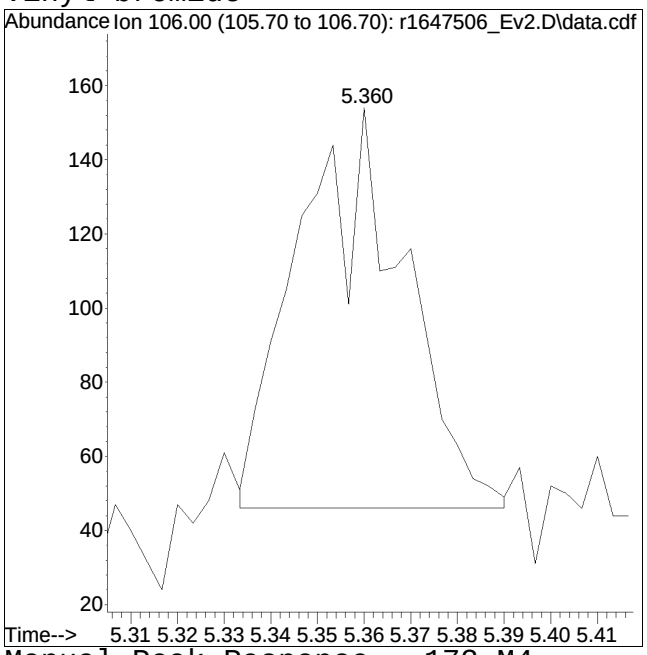
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647506_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 7:44 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 12/20/2024 5:39 am

Compound #11: vinyl bromide



Original Peak Response = 118



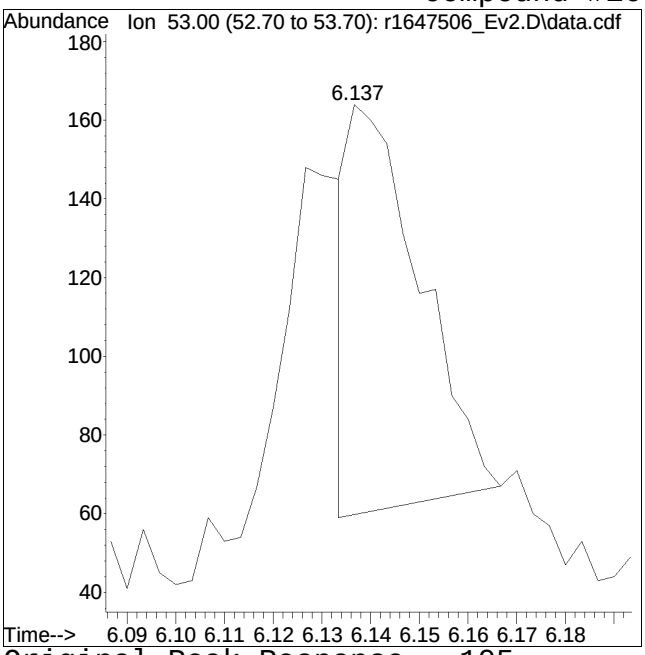
Manual Peak Response = 172 M4

M4 = Poor automated baseline construction.

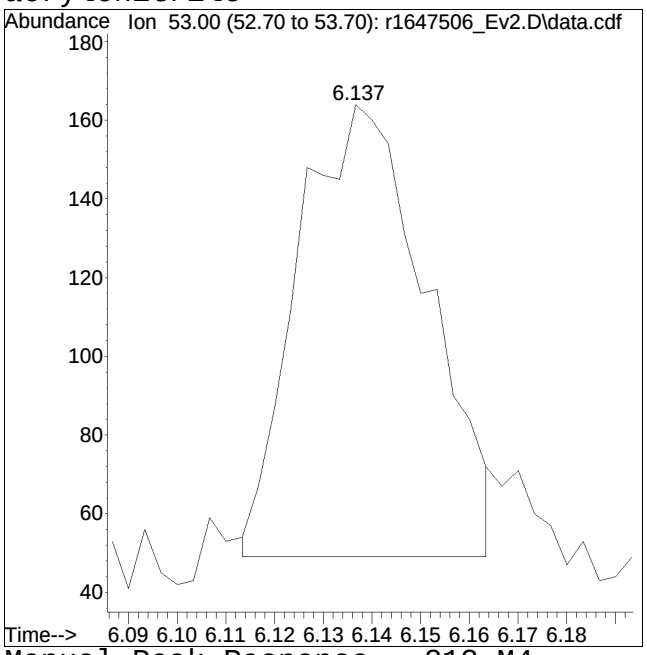
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647506_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 7:44 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 12/20/2024 5:39 am

Compound #16: acrylonitrile



Original Peak Response = 105



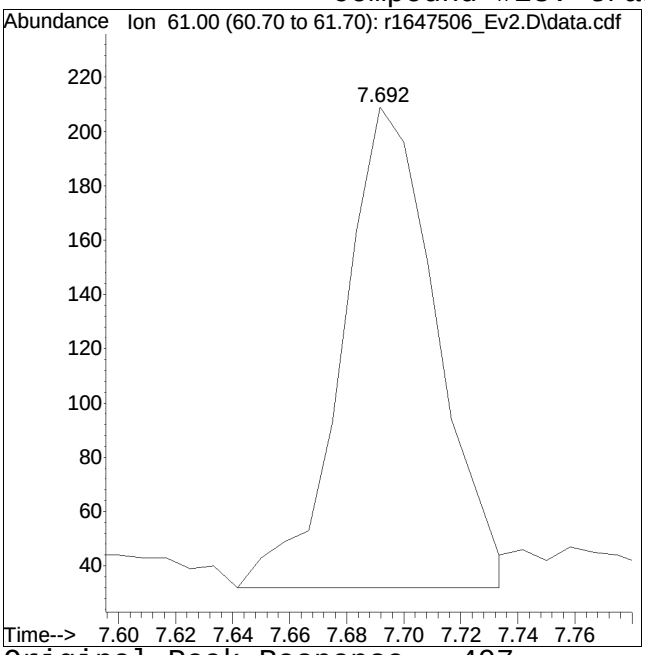
Manual Peak Response = 212 M4

M4 = Poor automated baseline construction.

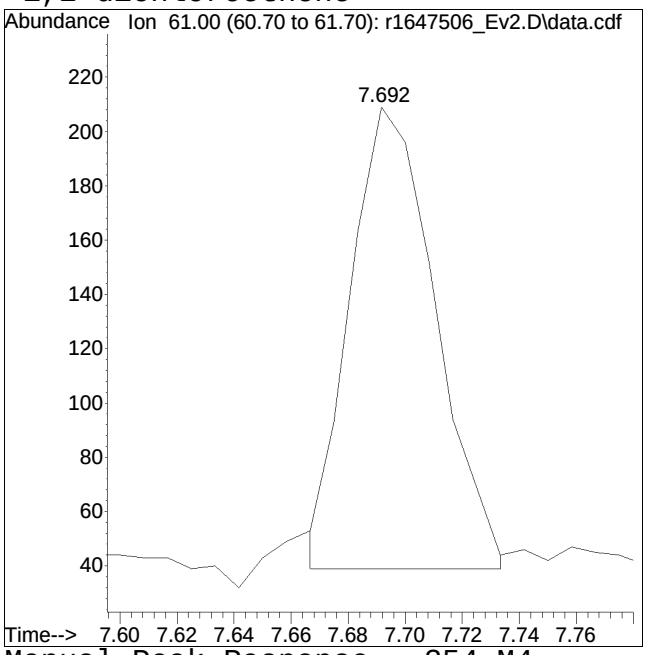
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647506_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 7:44 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 12/20/2024 5:39 am

Compound #23: trans-1,2-dichloroethene



Original Peak Response = 407



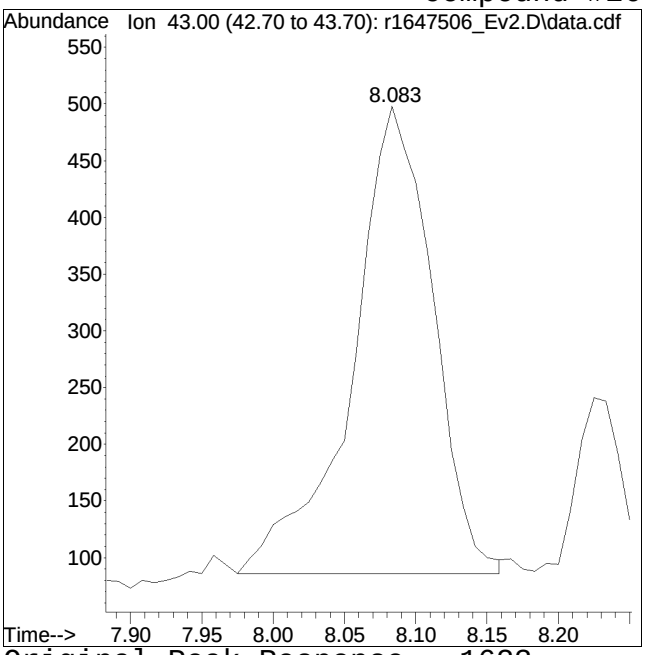
Manual Peak Response = 354 M4

M4 = Poor automated baseline construction.

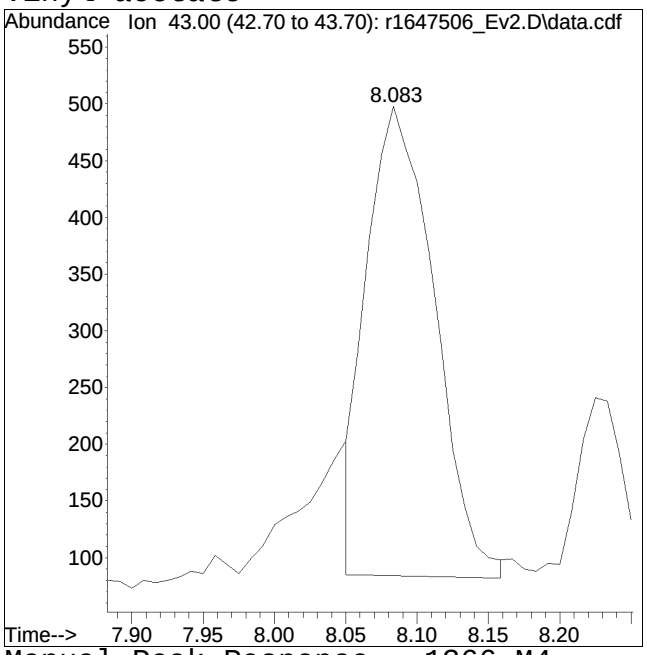
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647506_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 7:44 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 12/20/2024 5:39 am

Compound #26: vinyl acetate



Original Peak Response = 1623



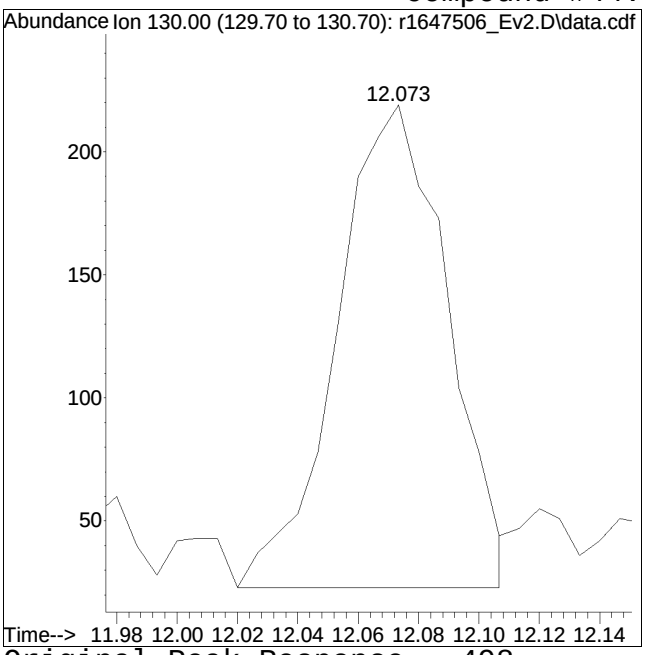
Manual Peak Response = 1366 M4

M4 = Poor automated baseline construction.

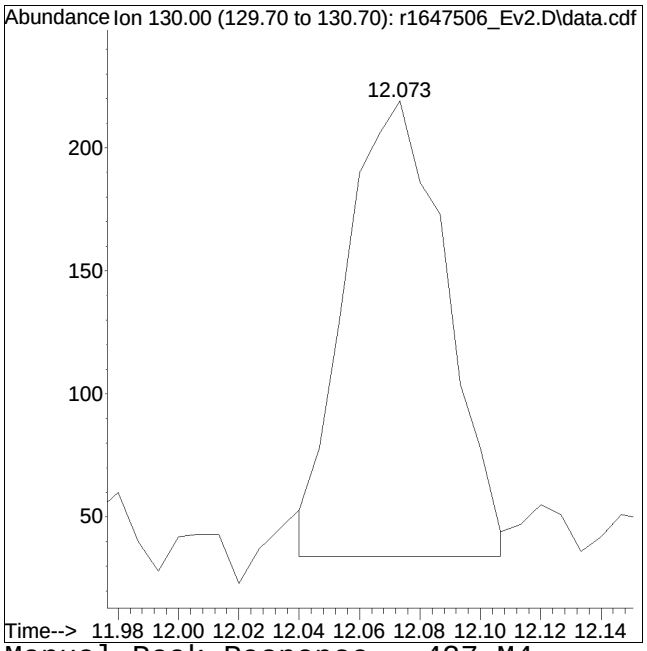
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647506_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 7:44 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 12/20/2024 5:39 am

Compound #44: trichloroethene



Original Peak Response = 498



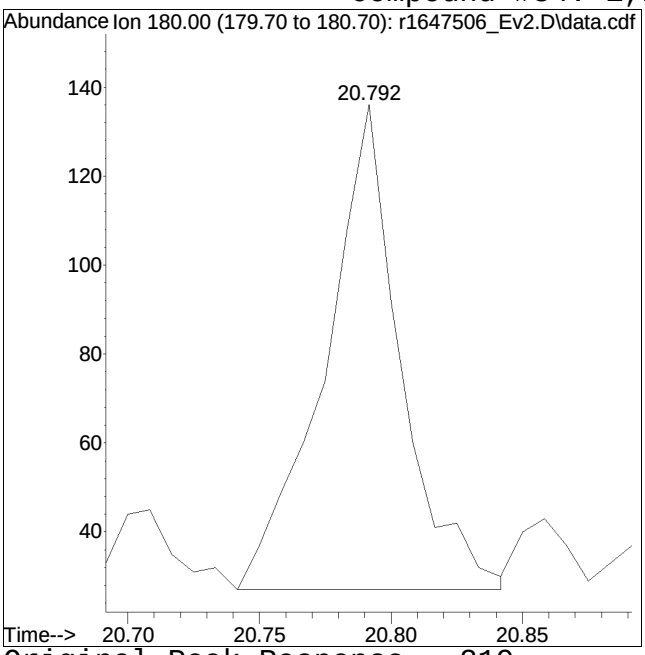
Manual Peak Response = 427 M4

M4 = Poor automated baseline construction.

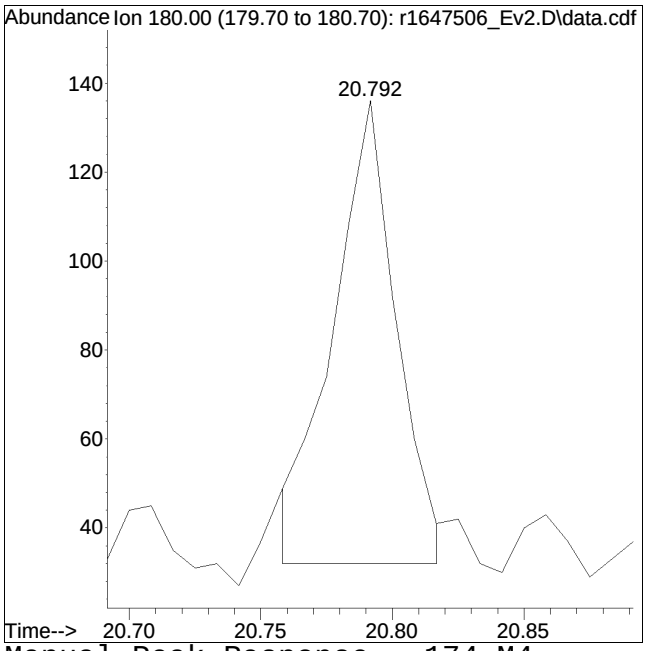
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647506_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 7:44 PM Instrument :
Sample : ITO15-SIMTD0.02 Quant Date : 12/20/2024 5:39 am

Compound #84: 1,2,3-trichlorobenzene



Original Peak Response = 219



Manual Peak Response = 174 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647507_Ev2.D
Acq On : 19 Dec 2024 8:21 PM
Operator : AIRLAB16:JMB
Sample : ITO15-SIMTD0.05
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:02 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.050	49	202524	10.000	ppbV	0.00
Standard Area = 199429			Recovery = 101.55%			
33) 1,4-difluorobenzene	11.267	114	562292	10.000	ppbV	0.00
Standard Area = 578636			Recovery = 97.18%			
51) chlorobenzene-D5	15.958	54	71274	10.000	ppbV	0.00
Standard Area = 72243			Recovery = 98.66%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.033	65	62	0.005	ppbV	0.12
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.05%#			
53) toluene-D8	14.117	98	345	0.008	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.08%#			
67) bromofluorobenzene	17.317	95	344	0.011	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.11%#			
Target Compounds						Qvalue
2) propylene	3.904	41	733M6	0.079	ppbV	
3) dichlorodifluoromethane	3.982	85	1306	0.066	ppbV	96
4) chloromethane	4.144	50	858	0.082	ppbV	92
5) Freon-114	4.252	85	1360	0.064	ppbV	96
6) vinyl chloride	4.366	62	613	0.069	ppbV #	79
7) 1,3-butadiene	4.510	54	485	0.065	ppbV	85
8) bromomethane	4.792	94	620	0.077	ppbV	96
9) chloroethane	4.984	64	306	0.076	ppbV	92
10) ethanol	5.110	31	2949	0.432	ppbV	88
11) vinyl bromide	5.357	106	474	0.056	ppbV	96
12) acrolein	5.490	56	1004	0.262	ppbV #	28
13) acetone	5.633	43	5404	0.516	ppbV #	98
14) trichlorofluoromethane	5.817	101	798	0.041	ppbV	98
15) isopropyl alcohol	5.910	45	4329	0.211	ppbV #	97
16) acrylonitrile	6.140	53	567	0.070	ppbV	96
17) 1,1-dichloroethene	6.510	61	906	0.058	ppbV	98
18) tertiary butyl alcohol	6.576	59	917	0.061	ppbV #	92
19) methylene chloride	6.648	49	1384	0.104	ppbV	98
20) 3-chloropropene	6.780	41	944	0.062	ppbV	91
21) carbon disulfide	6.960	76	5691	0.168	ppbV #	9
22) Freon 113	6.954	101	1441	0.065	ppbV	95
23) trans-1,2-dichloroethene	7.700	61	944	0.063	ppbV	93
24) 1,1-dichloroethane	7.917	63	1200	0.062	ppbV	94

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647507_Ev2.D
Acq On : 19 Dec 2024 8:21 PM
Operator : AIRLAB16:JMB
Sample : ITO15-SIMTD0.05
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:02 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.008	73	1623	0.067	ppbV	#	88
26) vinyl acetate	8.100	43	2414M4	0.117	ppbV		
27) 2-butanone	8.375	43	2364	0.089	ppbV	#	95
28) cis-1,2-dichloroethene	8.867	61	927M4	0.064	ppbV		
29) Ethyl Acetate	9.150	61	261	0.073	ppbV	#	19
30) chloroform	9.200	83	1264	0.067	ppbV	#	95
31) Tetrahydrofuran	9.667	42	1550	0.100	ppbV		98
32) 1,2-dichloroethane	10.042	62	673M4	0.059	ppbV		
34) hexane	9.117	57	1100	0.069	ppbV	#	63
36) 1,1,1-trichloroethane	10.325	97	1095	0.067	ppbV		95
37) benzene	10.853	78	3758	0.103	ppbV		96
38) carbon tetrachloride	11.027	117	1001	0.068	ppbV	#	90
39) cyclohexane	11.167	56	1126	0.067	ppbV		94
40) Dibromomethane	11.760	93	950	0.076	ppbV	#	97
41) 1,2-dichloropropane	11.793	63	950	0.071	ppbV	#	94
42) bromodichloromethane	12.020	83	1242	0.068	ppbV	#	91
43) 1,4-dioxane	12.087	88	711	0.094	ppbV		92
44) trichloroethene	12.073	130	1186	0.070	ppbV		96
45) 2,2,4-trimethylpentane	12.113	57	3551	0.068	ppbV		93
46) heptane	12.433	43	1762	0.070	ppbV		95
47) cis-1,3-dichloropropene	13.083	75	1071	0.063	ppbV		91
48) 4-methyl-2-pentanone	13.133	43	1756	0.058	ppbV	#	95
49) trans-1,3-dichloropropene	13.708	75	636	0.053	ppbV	#	84
50) 1,1,2-trichloroethane	13.908	97	1059	0.068	ppbV		98
52) toluene	14.217	91	4249	0.095	ppbV		100
54) 2-hexanone	14.517	43	1597	0.057	ppbV		93
55) dibromochloromethane	14.667	129	1282	0.063	ppbV	#	93
56) 1,2-dibromoethane	14.917	107	1454	0.064	ppbV		97
57) tetrachloroethene	15.375	166	1236	0.067	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.992	131	1083	0.068	ppbV		95
59) chlorobenzene	16.008	112	2372	0.065	ppbV		98
60) ethylbenzene	16.342	91	3829	0.066	ppbV		99
61) m+p-xylene	16.492	91	6328	0.138	ppbV		99
62) bromoform	16.567	173	963	0.062	ppbV		94
63) styrene	16.817	104	2516	0.066	ppbV		98
64) 1,1,2,2-tetrachloroethane	16.908	83	2105	0.062	ppbV		99
65) o-xylene	16.908	91	3311	0.070	ppbV		99
66) 1,2,3-Trichloropropane	17.025	75	1398	0.056	ppbV		98
68) isopropylbenzene	17.425	105	3738	0.060	ppbV		99
69) Bromobenzene	17.500	77	1895	0.060	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647507_Ev2.D
Acq On : 19 Dec 2024 8:21 PM
Operator : AIRLAB16:JMB
Sample : ITO15-SIMTD0.05
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:02 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

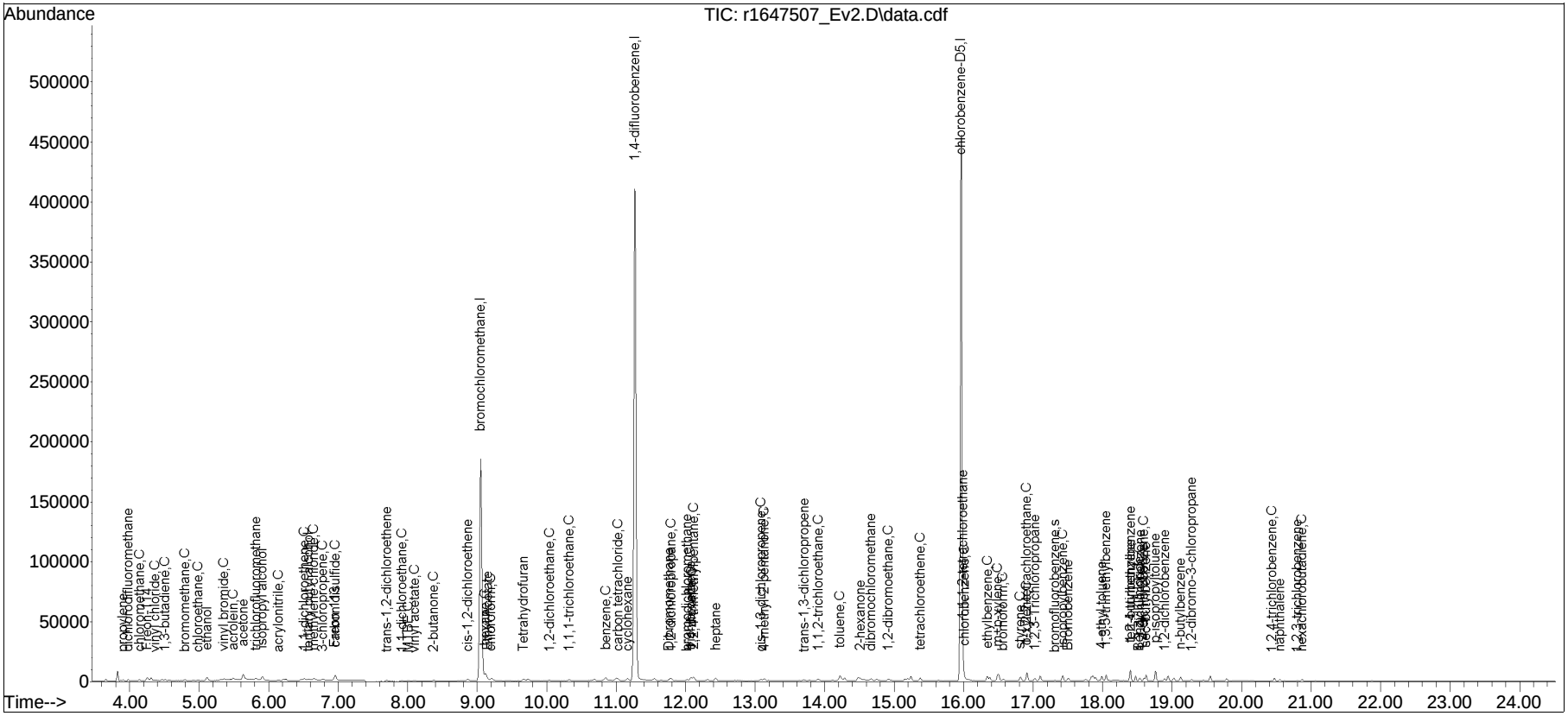
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.983	105	3047	0.048	ppbV #	98
71) 1,3,5-trimethylbenzene	18.050	105	3215	0.059	ppbV #	96
72) tert-butylbenzene	18.400	119	3640	0.063	ppbV	99
73) 1,2,4-trimethylbenzene	18.400	105	3335	0.060	ppbV	95
74) Benzyl Chloride	18.525	91	533	0.025	ppbV	98
75) 1,3-dichlorobenzene	18.542	146	1996	0.047	ppbV	97
76) 1,4-dichlorobenzene	18.592	146	2081	0.050	ppbV	96
77) sec-butylbenzene	18.625	105	4822	0.060	ppbV	100
78) p-isopropyltoluene	18.758	119	4105	0.059	ppbV	97
79) 1,2-dichlorobenzene	18.892	146	1918	0.047	ppbV	98
80) n-butylbenzene	19.125	91	3050	0.049	ppbV	92
81) 1,2-dibromo-3-chloropr...	19.283	75	522	0.043	ppbV	92
82) 1,2,4-trichlorobenzene	20.433	180	409M4	0.021	ppbV	
83) naphthalene	20.550	128	2415	0.038	ppbV #	94
84) 1,2,3-trichlorobenzene	20.800	180	655	0.036	ppbV	93
85) hexachlorobutadiene	20.867	225	1141	0.063	ppbV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219SIM_I\r1647512_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647507_Ev2.D
Acq On : 19 Dec 2024 8:21 PM
Operator : AIRLAB16:JMB
Sample : ITO15-SIMTD0.05
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

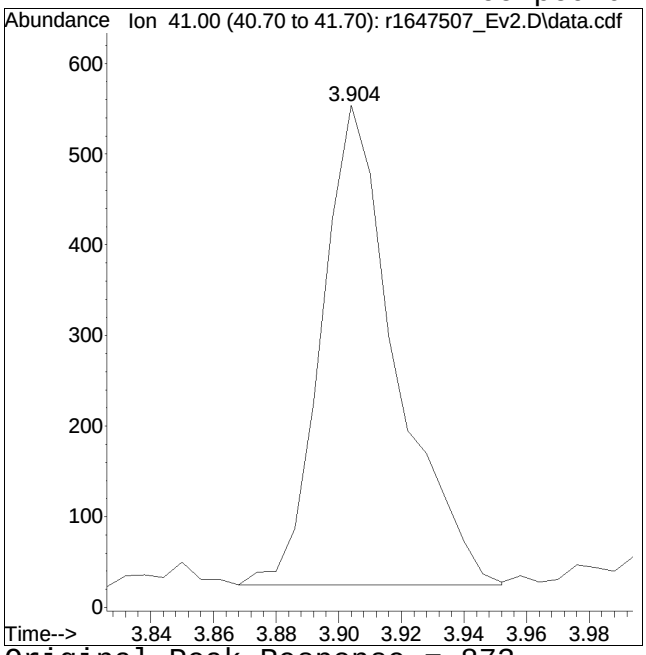
Quant Time: Dec 20 05:40:02 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration



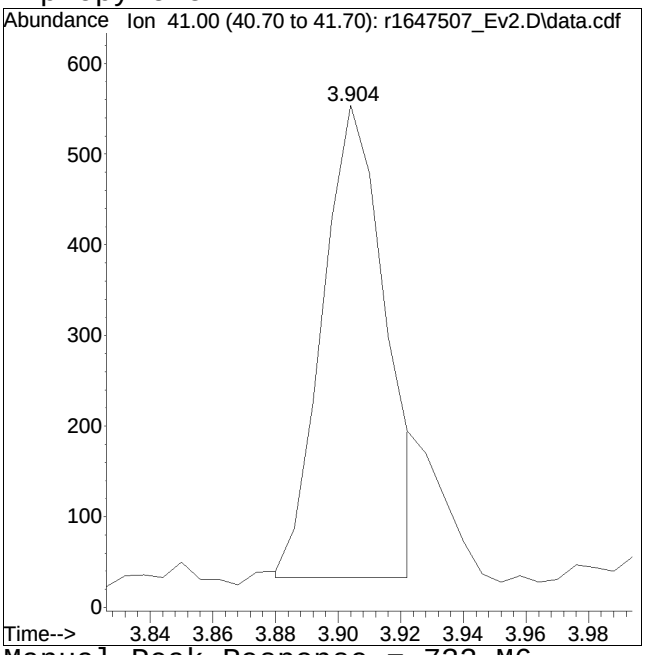
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647507_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 8:21 PM Instrument :
Sample : ITO15-SIMTD0.05 Quant Date : 12/20/2024 5:40 am

Compound #2: propylene



Original Peak Response = 873



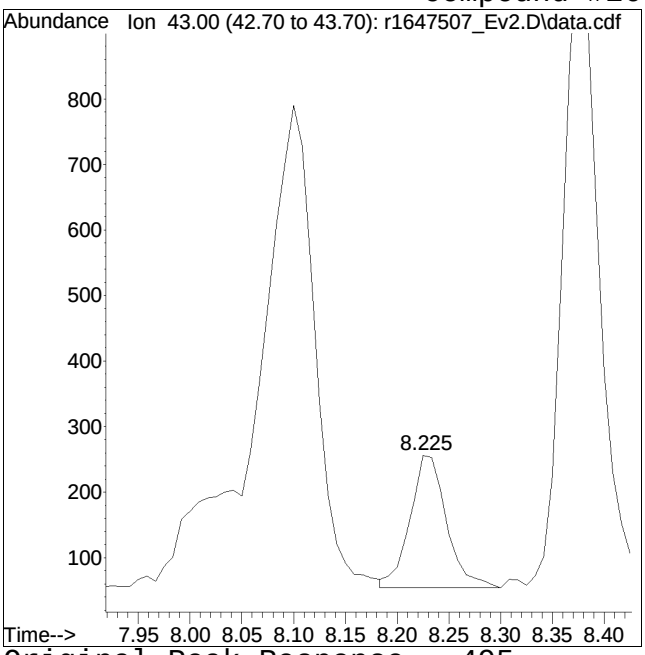
Manual Peak Response = 733 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

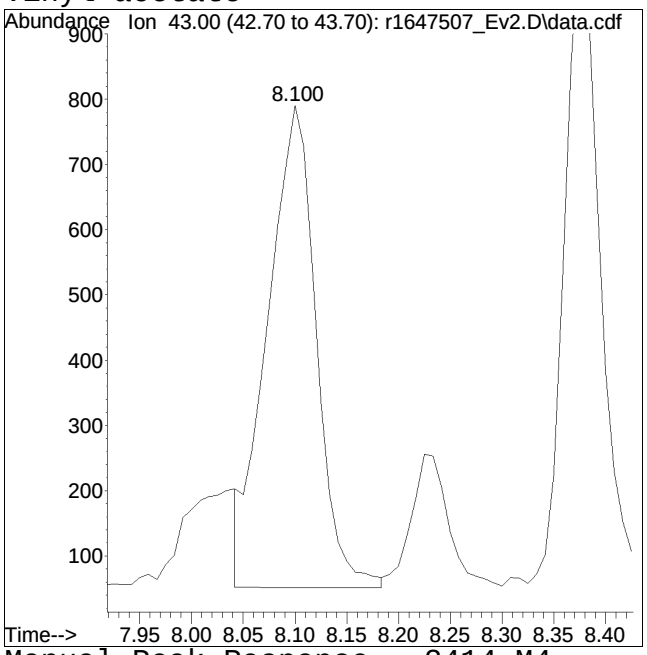
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647507_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 8:21 PM Instrument :
Sample : ITO15-SIMTD0.05 Quant Date : 12/20/2024 5:40 am

Compound #26: vinyl acetate



Original Peak Response = 495



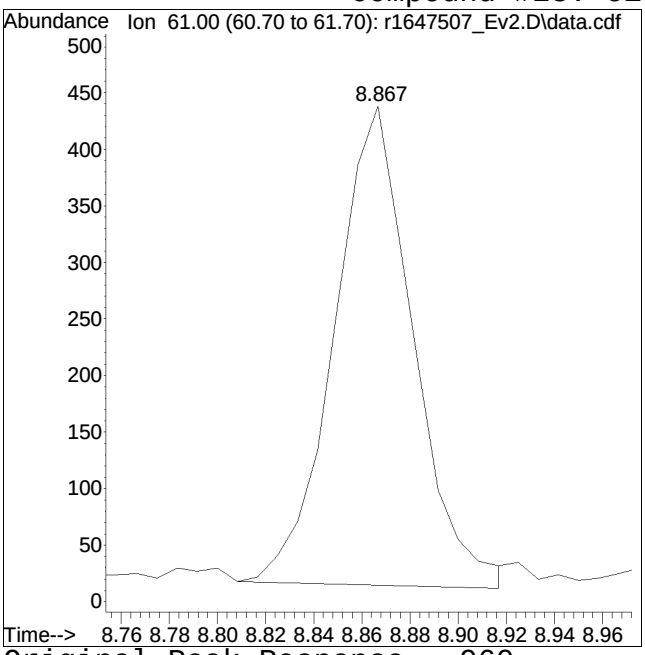
Manual Peak Response = 2414 M4

M4 = Poor automated baseline construction.

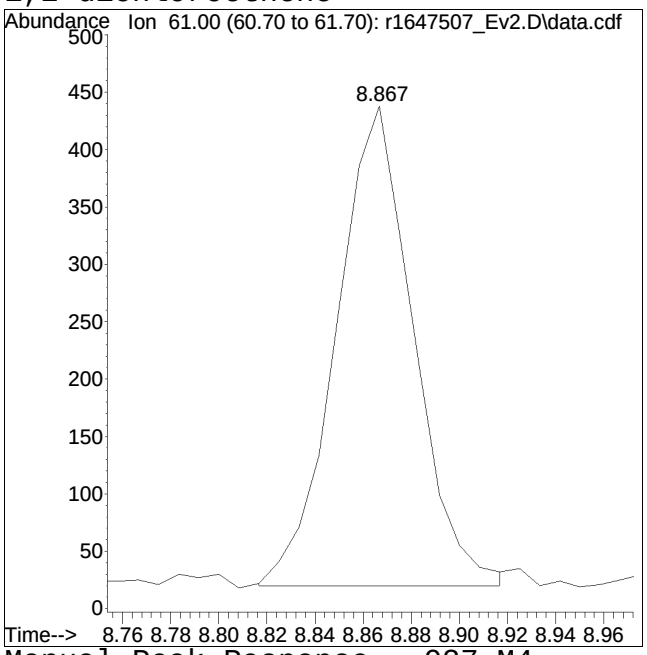
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647507_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 8:21 PM Instrument :
Sample : ITO15-SIMTD0.05 Quant Date : 12/20/2024 5:40 am

Compound #28: cis-1,2-dichloroethene



Original Peak Response = 960



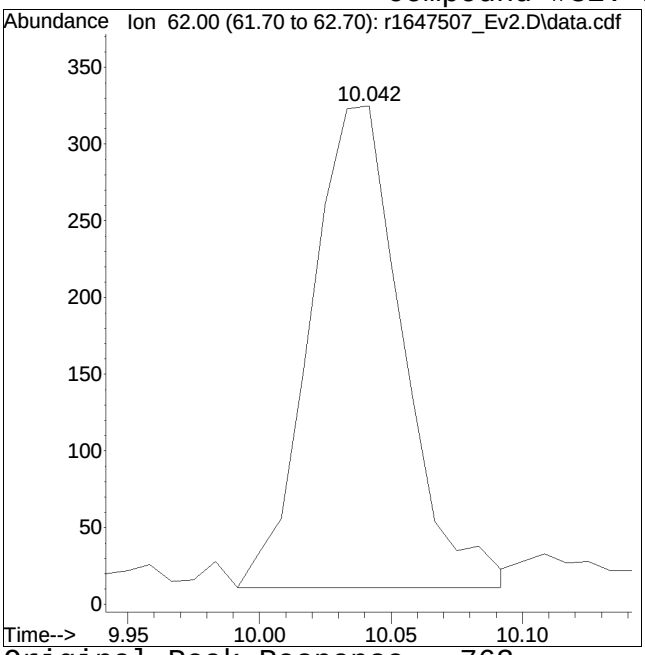
Manual Peak Response = 927 M4

M4 = Poor automated baseline construction.

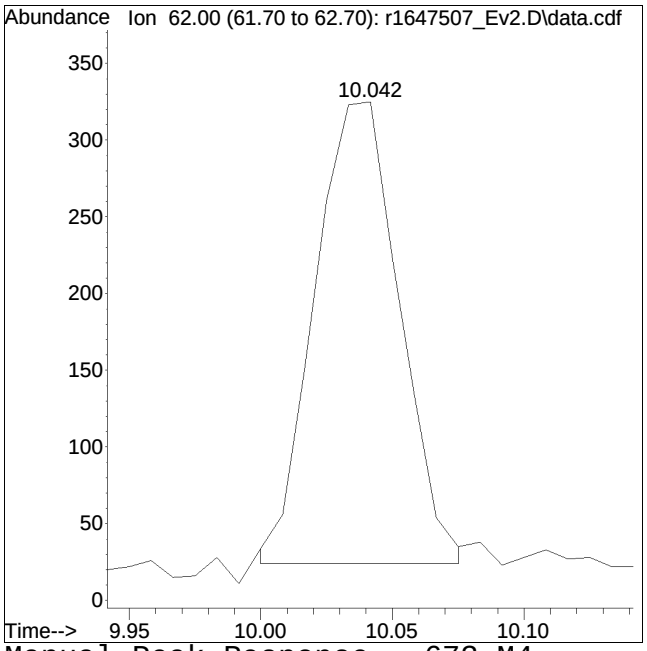
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647507_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 8:21 PM Instrument :
Sample : ITO15-SIMTD0.05 Quant Date : 12/20/2024 5:40 am

Compound #32: 1,2-dichloroethane



Original Peak Response = 763



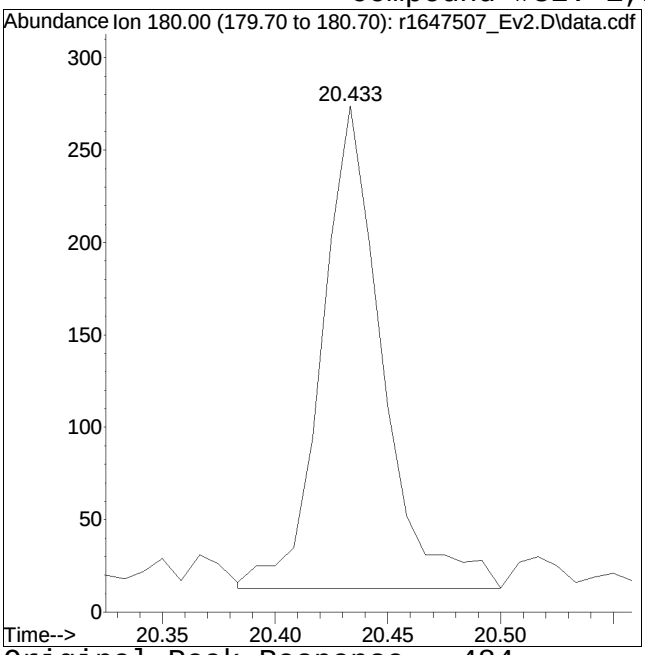
Manual Peak Response = 673 M4

M4 = Poor automated baseline construction.

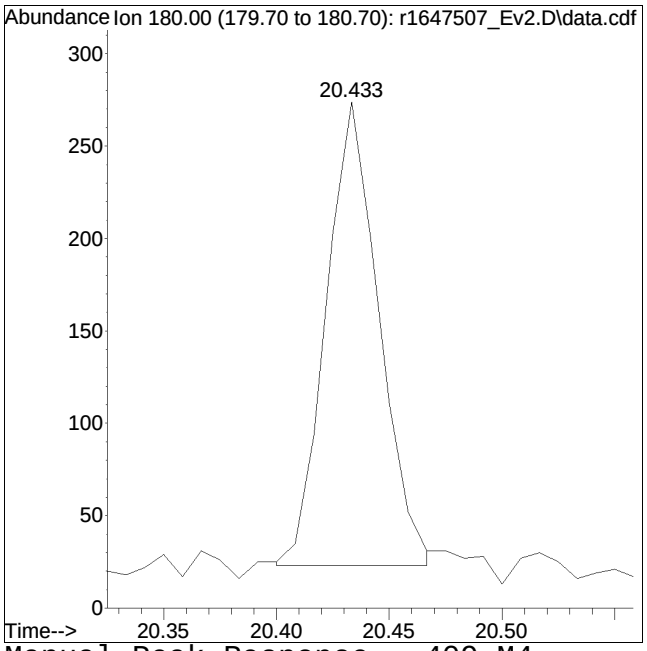
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647507_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 8:21 PM Instrument :
Sample : ITO15-SIMTD0.05 Quant Date : 12/20/2024 5:40 am

Compound #82: 1,2,4-trichlorobenzene



Original Peak Response = 484



Manual Peak Response = 409 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647508_Ev2.D
Acq On : 19 Dec 2024 9:01 PM
Operator : AIRLAB16:JMB
Sample : ITO15-SIMTD0.1
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:12 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.050	49	198823	10.000	ppbV	0.00
Standard Area = 199429			Recovery = 99.70%			
33) 1,4-difluorobenzene	11.267	114	561725	10.000	ppbV	0.00
Standard Area = 578636			Recovery = 97.08%			
51) chlorobenzene-D5	15.958	54	70277	10.000	ppbV	0.00
Standard Area = 72243			Recovery = 97.28%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	10.042	65	115	0.010	ppbV	0.13
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.10%#			
53) toluene-D8	14.108	98	409	0.009	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.09%#			
67) bromofluorobenzene	17.317	95	270	0.009	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.09%#			
Target Compounds						Qvalue
2) propylene	3.904	41	1456M6	0.160	ppbV	
3) dichlorodifluoromethane	3.976	85	2697	0.139	ppbV	100
4) chloromethane	4.138	50	1530	0.149	ppbV	96
5) Freon-114	4.246	85	2828	0.135	ppbV	97
6) vinyl chloride	4.366	62	1108	0.127	ppbV #	84
7) 1,3-butadiene	4.510	54	970	0.133	ppbV	91
8) bromomethane	4.792	94	1114	0.141	ppbV	99
9) chloroethane	4.978	64	532	0.134	ppbV	98
10) ethanol	5.110	31	4940	0.738	ppbV	91
11) vinyl bromide	5.357	106	1115	0.135	ppbV	96
12) acrolein	5.487	56	1276	0.339	ppbV #	39
13) acetone	5.630	43	9527	0.926	ppbV #	99
14) trichlorofluoromethane	5.813	101	1805	0.093	ppbV	98
15) isopropyl alcohol	5.907	45	7398	0.367	ppbV	99
16) acrylonitrile	6.133	53	1117M4	0.140	ppbV	
17) 1,1-dichloroethene	6.510	61	1886	0.123	ppbV	97
18) tertiary butyl alcohol	6.576	59	1795	0.122	ppbV	92
19) methylene chloride	6.648	49	2362	0.181	ppbV	100
20) 3-chloropropene	6.780	41	1900	0.126	ppbV	95
21) carbon disulfide	6.960	76	7415	0.223	ppbV #	32
22) Freon 113	6.954	101	2899	0.133	ppbV	98
23) trans-1,2-dichloroethene	7.692	61	1857	0.127	ppbV	98
24) 1,1-dichloroethane	7.917	63	2470	0.129	ppbV	98

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647508_Ev2.D
Acq On : 19 Dec 2024 9:01 PM
Operator : AIRLAB16:JMB
Sample : ITO15-SIMTD0.1
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:12 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.000	73	3082	0.129	ppbV	#	93
26) vinyl acetate	8.100	43	3692	0.182	ppbV	#	94
27) 2-butanone	8.375	43	4299	0.164	ppbV	#	96
28) cis-1,2-dichloroethene	8.867	61	1819	0.128	ppbV		92
29) Ethyl Acetate	9.142	61	523	0.148	ppbV	#	34
30) chloroform	9.200	83	2622	0.141	ppbV		97
31) Tetrahydrofuran	9.667	42	2629	0.173	ppbV		94
32) 1,2-dichloroethane	10.033	62	1512	0.136	ppbV		98
34) hexane	9.117	57	2172	0.136	ppbV		72
36) 1,1,1-trichloroethane	10.325	97	2150	0.132	ppbV	#	92
37) benzene	10.847	78	5938	0.164	ppbV		100
38) carbon tetrachloride	11.020	117	1889	0.128	ppbV		93
39) cyclohexane	11.167	56	2252	0.133	ppbV		98
40) Dibromomethane	11.760	93	1752	0.141	ppbV	#	94
41) 1,2-dichloropropane	11.793	63	1811	0.135	ppbV		95
42) bromodichloromethane	12.020	83	2462	0.134	ppbV	#	98
43) 1,4-dioxane	12.080	88	1112	0.147	ppbV		94
44) trichloroethene	12.073	130	2186	0.129	ppbV		96
45) 2,2,4-trimethylpentane	12.120	57	7131	0.136	ppbV		97
46) heptane	12.427	43	3569	0.141	ppbV		95
47) cis-1,3-dichloropropene	13.083	75	2125	0.124	ppbV		94
48) 4-methyl-2-pentanone	13.125	43	3762	0.123	ppbV		99
49) trans-1,3-dichloropropene	13.708	75	1391	0.115	ppbV		91
50) 1,1,2-trichloroethane	13.908	97	2134	0.138	ppbV		98
52) toluene	14.217	91	7257	0.164	ppbV		98
54) 2-hexanone	14.508	43	3067	0.111	ppbV		96
55) dibromochloromethane	14.667	129	2476	0.124	ppbV		98
56) 1,2-dibromoethane	14.917	107	2913	0.130	ppbV		98
57) tetrachloroethene	15.375	166	2446	0.135	ppbV		97
58) 1,1,1,2-tetrachloroethane	15.992	131	2163	0.137	ppbV		96
59) chlorobenzene	16.000	112	5002	0.139	ppbV		95
60) ethylbenzene	16.342	91	7637	0.134	ppbV		100
61) m+p-xylene	16.500	91	12431	0.274	ppbV		100
62) bromoform	16.567	173	2004	0.131	ppbV		96
63) styrene	16.817	104	5047	0.135	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.908	83	4281	0.129	ppbV		99
65) o-xylene	16.908	91	6535	0.139	ppbV		97
66) 1,2,3-Trichloropropane	17.025	75	3144	0.128	ppbV		96
68) isopropylbenzene	17.425	105	7794	0.128	ppbV		100
69) Bromobenzene	17.500	77	3879	0.125	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647508_Ev2.D
Acq On : 19 Dec 2024 9:01 PM
Operator : AIRLAB16:JMB
Sample : ITO15-SIMTD0.1
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:12 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

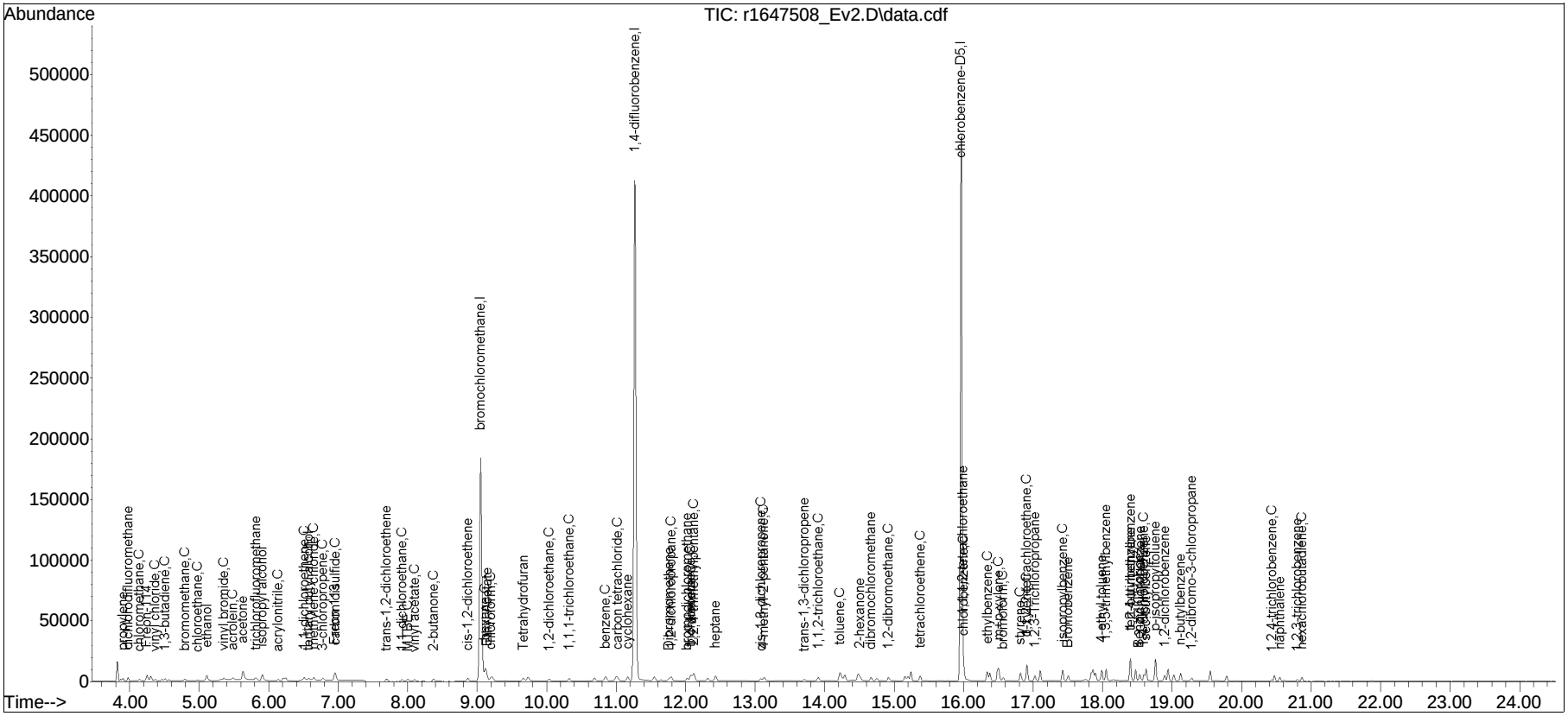
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.983	105	7044M6	0.112	ppbV	
71) 1,3,5-trimethylbenzene	18.050	105	6704	0.126	ppbV	100
72) tert-butylbenzene	18.400	119	7488	0.131	ppbV	100
73) 1,2,4-trimethylbenzene	18.400	105	6746	0.124	ppbV	95
74) Benzyl Chloride	18.525	91	1306	0.061	ppbV	98
75) 1,3-dichlorobenzene	18.542	146	4749	0.114	ppbV	97
76) 1,4-dichlorobenzene	18.592	146	4785	0.117	ppbV	97
77) sec-butylbenzene	18.625	105	9852	0.124	ppbV	100
78) p-isopropyltoluene	18.758	119	8663	0.127	ppbV	98
79) 1,2-dichlorobenzene	18.892	146	4654	0.116	ppbV	98
80) n-butylbenzene	19.125	91	6529	0.107	ppbV	94
81) 1,2-dibromo-3-chloropr...	19.283	75	1208	0.100	ppbV	96
82) 1,2,4-trichlorobenzene	20.433	180	1097	0.057	ppbV	94
83) naphthalene	20.550	128	5504	0.088	ppbV	100
84) 1,2,3-trichlorobenzene	20.800	180	1573	0.087	ppbV	98
85) hexachlorobutadiene	20.867	225	2544	0.143	ppbV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219SIM_I\r1647512_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647508_Ev2.D
Acq On : 19 Dec 2024 9:01 PM
Operator : AIRLAB16:JMB
Sample : ITO15-SIMTD0.1
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

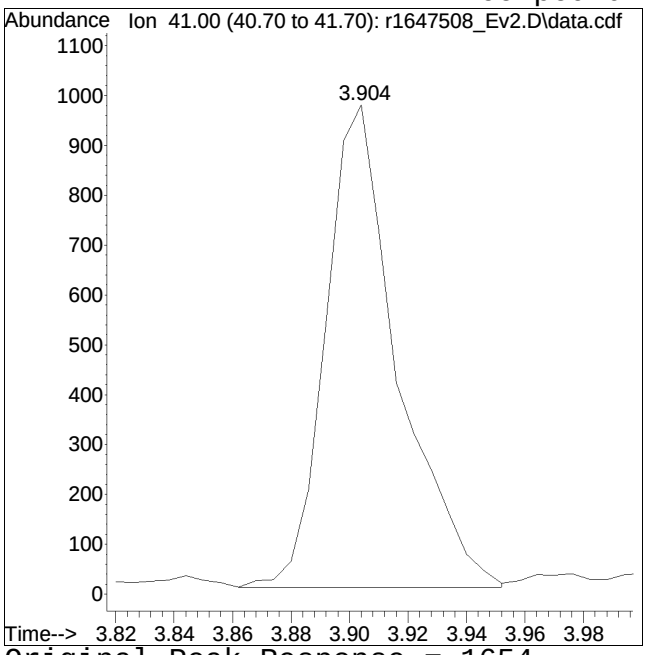
Quant Time: Dec 20 05:40:12 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration



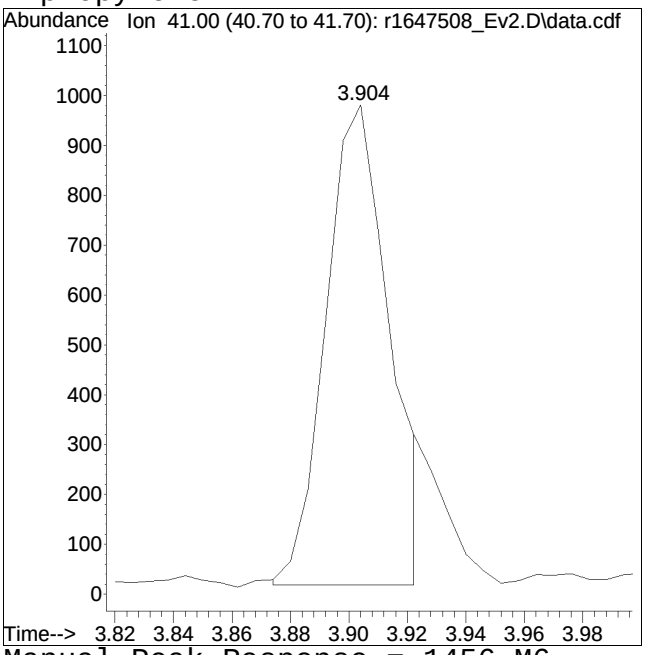
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647508_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 9:01 PM Instrument :
Sample : ITO15-SIMTD0.1 Quant Date : 12/20/2024 5:40 am

Compound #2: propylene



Original Peak Response = 1654



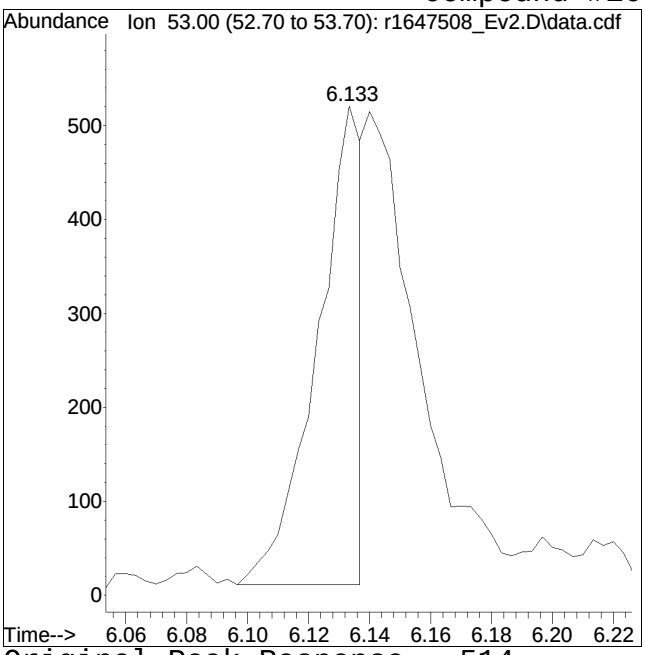
Manual Peak Response = 1456 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

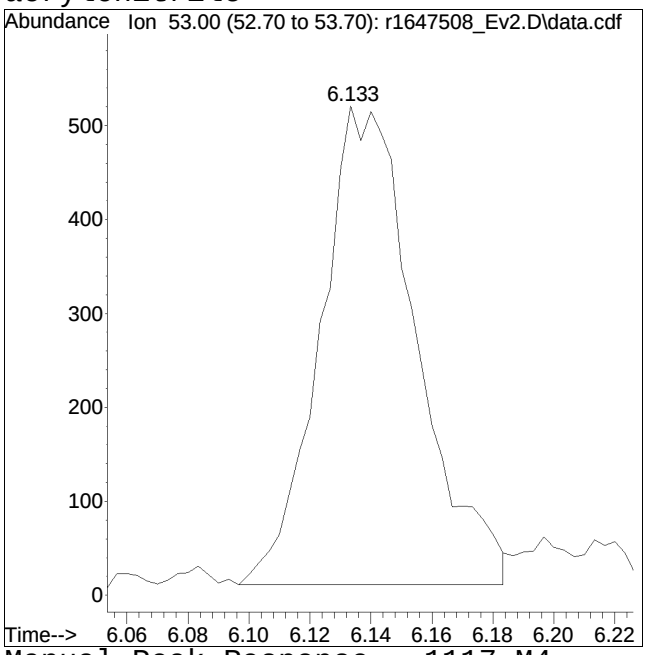
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647508_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 9:01 PM Instrument :
Sample : ITO15-SIMTD0.1 Quant Date : 12/20/2024 5:40 am

Compound #16: acrylonitrile



Original Peak Response = 514



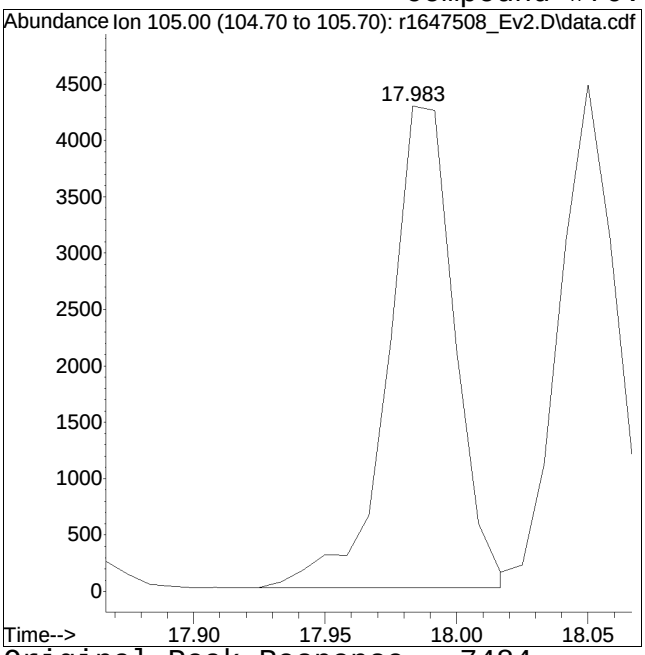
Manual Peak Response = 1117 M4

M4 = Poor automated baseline construction.

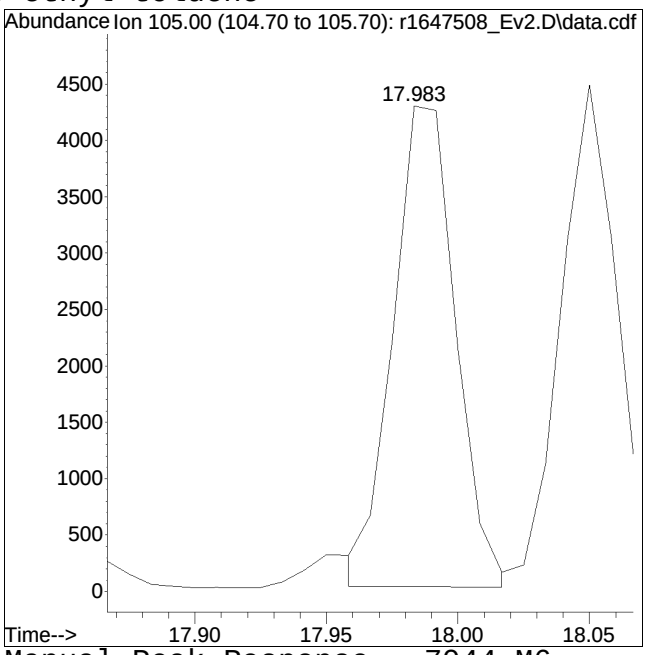
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647508_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 9:01 PM Instrument :
Sample : ITO15-SIMTD0.1 Quant Date : 12/20/2024 5:40 am

Compound #70: 4-ethyl toluene



Original Peak Response = 7484



Manual Peak Response = 7044 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647509_Ev2.D
Acq On : 19 Dec 2024 9:40 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.2
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:22 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.050	49	202311	10.000	ppbV	0.00
Standard Area = 199429			Recovery = 101.45%			
33) 1,4-difluorobenzene	11.273	114	577846	10.000	ppbV	0.00
Standard Area = 578636			Recovery = 99.86%			
51) chlorobenzene-D5	15.958	54	72502	10.000	ppbV	0.00
Standard Area = 72243			Recovery = 100.36%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.917	65	126796	10.630	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.30%			
53) toluene-D8	14.108	98	485549	10.561	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.61%			
67) bromofluorobenzene	17.308	95	333975	10.323	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.23%			
Target Compounds						Qvalue
2) propylene	3.904	41	2000M6	0.216	ppbV	
3) dichlorodifluoromethane	3.982	85	3999	0.203	ppbV	100
4) chloromethane	4.144	50	2231	0.214	ppbV	97
5) Freon-114	4.252	85	4339	0.203	ppbV	99
6) vinyl chloride	4.372	62	1711	0.192	ppbV #	88
7) 1,3-butadiene	4.510	54	1499	0.202	ppbV	91
8) bromomethane	4.792	94	1735	0.217	ppbV	99
9) chloroethane	4.984	64	859	0.213	ppbV	98
10) ethanol	5.110	31	8577	1.259	ppbV	93
11) vinyl bromide	5.360	106	1598	0.190	ppbV	94
12) acrolein	5.490	56	1295	0.339	ppbV #	56
13) acetone	5.633	43	12483	1.192	ppbV #	99
14) trichlorofluoromethane	5.817	101	2572	0.131	ppbV	96
15) isopropyl alcohol	5.910	45	10343	0.504	ppbV #	97
16) acrylonitrile	6.143	53	1589	0.196	ppbV	94
17) 1,1-dichloroethene	6.510	61	2903	0.185	ppbV	99
18) tertiary butyl alcohol	6.576	59	2670	0.179	ppbV #	94
19) methylene chloride	6.654	49	3057	0.230	ppbV	99
20) 3-chloropropene	6.780	41	2953	0.193	ppbV	97
21) carbon disulfide	6.960	76	9247	0.273	ppbV #	43
22) Freon 113	6.954	101	4410	0.199	ppbV	99
23) trans-1,2-dichloroethene	7.700	61	2925	0.196	ppbV	94
24) 1,1-dichloroethane	7.917	63	3801	0.196	ppbV	98

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647509_Ev2.D
Acq On : 19 Dec 2024 9:40 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.2
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:22 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.000	73	4627	0.191	ppbV		94
26) vinyl acetate	8.100	43	4905	0.237	ppbV		97
27) 2-butanone	8.375	43	5565	0.209	ppbV	#	96
28) cis-1,2-dichloroethene	8.867	61	2823	0.196	ppbV		92
29) Ethyl Acetate	9.142	61	707	0.197	ppbV		60
30) chloroform	9.200	83	3743	0.197	ppbV		98
31) Tetrahydrofuran	9.658	42	3496M6	0.226	ppbV		
32) 1,2-dichloroethane	10.033	62	2512	0.222	ppbV		95
34) hexane	9.117	57	3288	0.200	ppbV		77
36) 1,1,1-trichloroethane	10.325	97	3311	0.197	ppbV		90
37) benzene	10.853	78	8538	0.229	ppbV		100
38) carbon tetrachloride	11.020	117	2843	0.188	ppbV		95
39) cyclohexane	11.167	56	3412	0.196	ppbV		98
40) Dibromomethane	11.760	93	2530	0.198	ppbV	#	98
41) 1,2-dichloropropane	11.793	63	2702	0.196	ppbV		93
42) bromodichloromethane	12.020	83	3580	0.190	ppbV		96
43) 1,4-dioxane	12.080	88	1539	0.198	ppbV		87
44) trichloroethene	12.073	130	3429	0.196	ppbV		98
45) 2,2,4-trimethylpentane	12.113	57	10804	0.201	ppbV		97
46) heptane	12.433	43	5092	0.196	ppbV		97
47) cis-1,3-dichloropropene	13.083	75	3232	0.184	ppbV		94
48) 4-methyl-2-pentanone	13.125	43	5656	0.180	ppbV		98
49) trans-1,3-dichloropropene	13.708	75	2069	0.166	ppbV	#	90
50) 1,1,2-trichloroethane	13.908	97	3102	0.195	ppbV		98
52) toluene	14.217	91	9999	0.219	ppbV		99
54) 2-hexanone	14.508	43	4613	0.162	ppbV		97
55) dibromochloromethane	14.667	129	3864	0.188	ppbV		97
56) 1,2-dibromoethane	14.917	107	4264	0.185	ppbV		98
57) tetrachloroethene	15.375	166	3716	0.199	ppbV		99
58) 1,1,1,2-tetrachloroethane	15.992	131	3164	0.195	ppbV		97
59) chlorobenzene	16.000	112	7253	0.196	ppbV		94
60) ethylbenzene	16.342	91	11278	0.192	ppbV		100
61) m+p-xylene	16.492	91	18223	0.390	ppbV		97
62) bromoform	16.567	173	2854	0.181	ppbV		98
63) styrene	16.817	104	6805	0.176	ppbV		100
64) 1,1,2,2-tetrachloroethane	16.908	83	6214	0.181	ppbV		99
65) o-xylene	16.908	91	9492	0.196	ppbV		98
66) 1,2,3-Trichloropropane	17.025	75	4212	0.167	ppbV		97
68) isopropylbenzene	17.425	105	11501	0.183	ppbV		100
69) Bromobenzene	17.500	77	5798	0.180	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647509_Ev2.D
Acq On : 19 Dec 2024 9:40 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.2
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:22 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

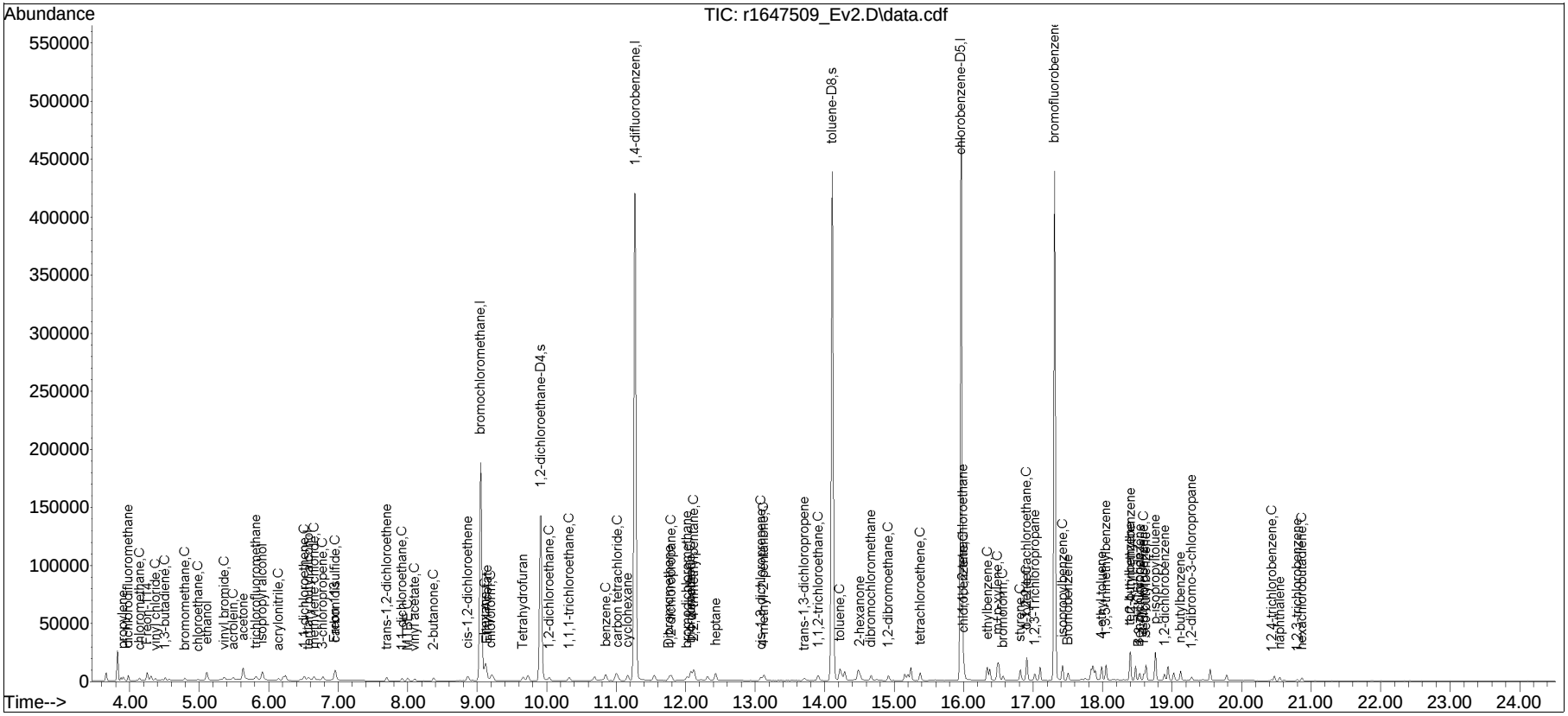
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.983	105	9599M6	0.148	ppbV	
71) 1,3,5-trimethylbenzene	18.050	105	9417	0.171	ppbV	97
72) tert-butylbenzene	18.392	119	10254	0.174	ppbV	99
73) 1,2,4-trimethylbenzene	18.400	105	9628	0.172	ppbV	97
74) Benzyl Chloride	18.525	91	1683	0.076	ppbV	99
75) 1,3-dichlorobenzene	18.533	146	5368	0.125	ppbV	99
76) 1,4-dichlorobenzene	18.592	146	5644	0.134	ppbV	97
77) sec-butylbenzene	18.625	105	13560	0.166	ppbV	99
78) p-isopropyltoluene	18.758	119	11603	0.165	ppbV	97
79) 1,2-dichlorobenzene	18.892	146	5358	0.130	ppbV	95
80) n-butylbenzene	19.125	91	8508	0.135	ppbV	95
81) 1,2-dibromo-3-chloropr...	19.283	75	1493	0.120	ppbV	93
82) 1,2,4-trichlorobenzene	20.433	180	1168	0.059	ppbV #	92
83) naphthalene	20.550	128	5194	0.080	ppbV	99
84) 1,2,3-trichlorobenzene	20.800	180	1391	0.075	ppbV #	91
85) hexachlorobutadiene	20.867	225	2193	0.120	ppbV	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219SIM_I\r1647512_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647509_Ev2.D
Acq On : 19 Dec 2024 9:40 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.2
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

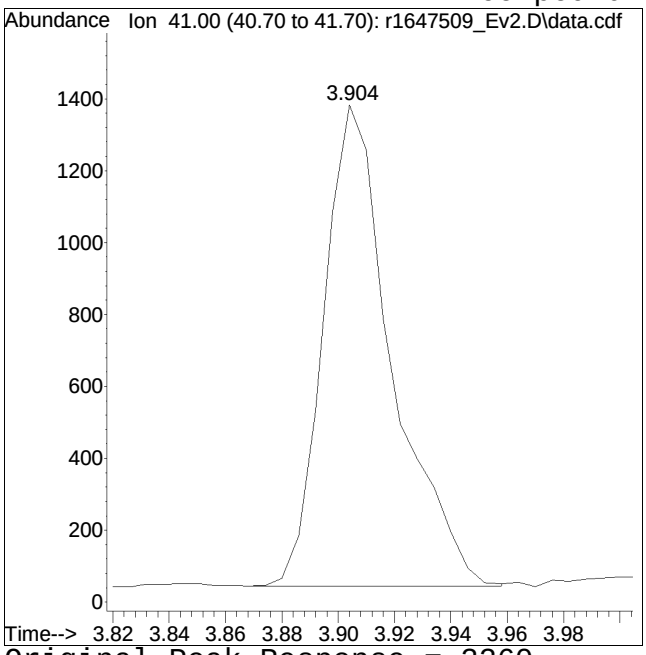
Quant Time: Dec 20 05:40:22 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration



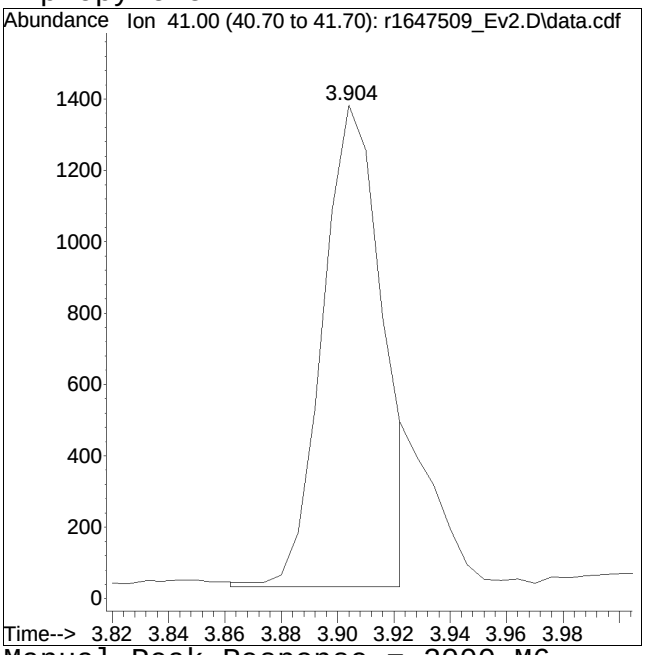
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647509_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 9:40 PM Instrument :
Sample : ITO15-LLSTD0.2 Quant Date : 12/20/2024 5:40 am

Compound #2: propylene



Original Peak Response = 2260



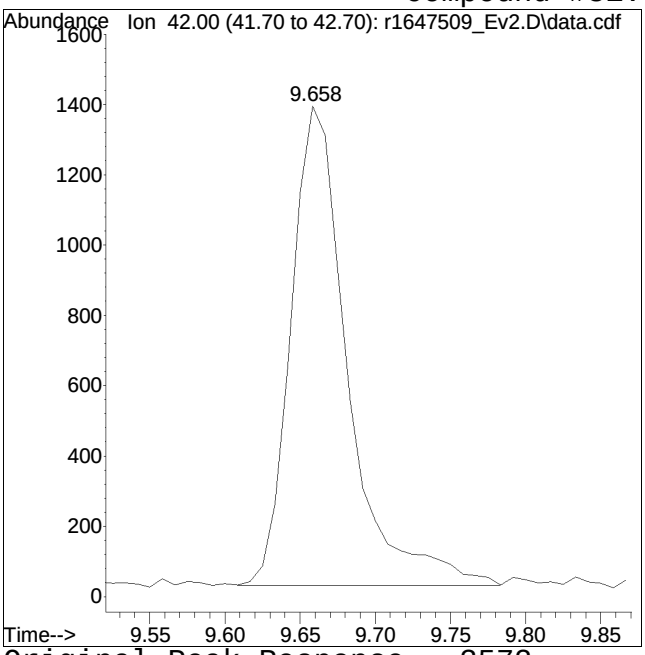
Manual Peak Response = 2000 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

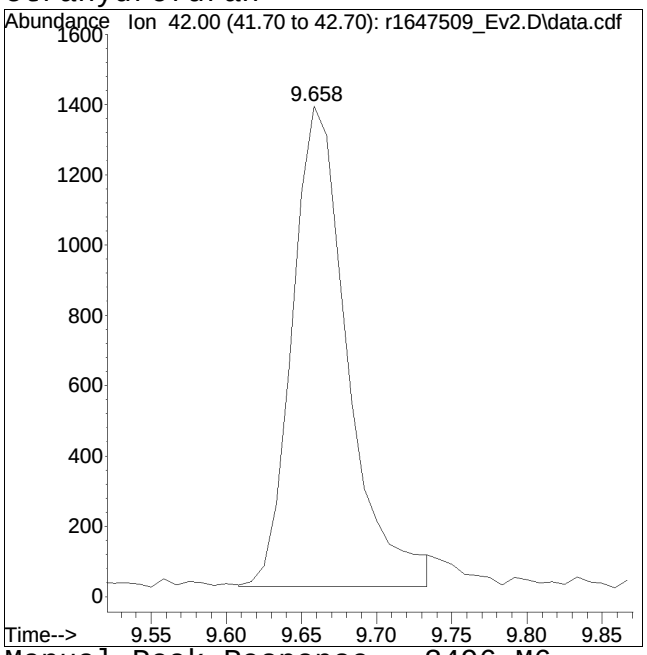
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647509_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 9:40 PM Instrument :
Sample : ITO15-LLSTD0.2 Quant Date : 12/20/2024 5:40 am

Compound #31: Tetrahydrofuran



Original Peak Response = 3572



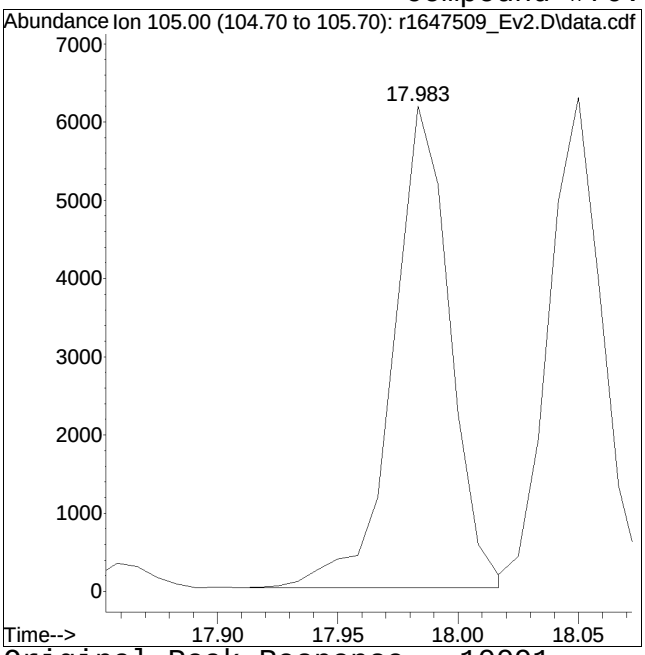
Manual Peak Response = 3496 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

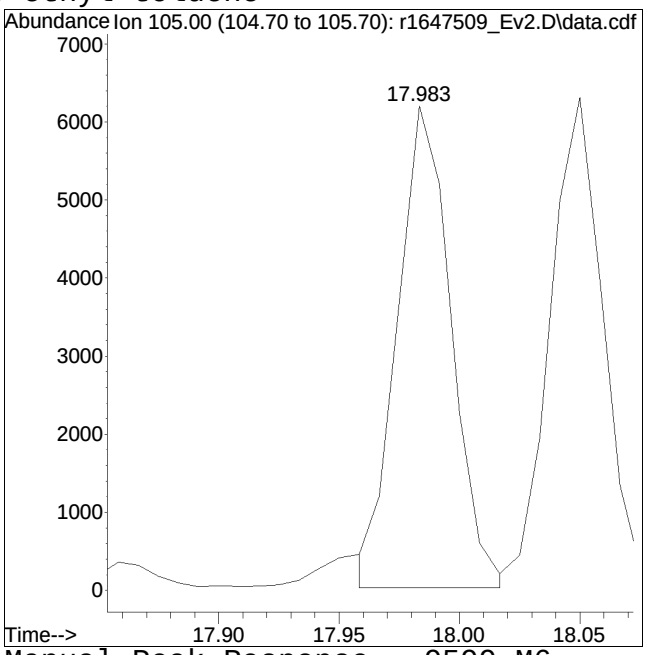
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647509_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 9:40 PM Instrument :
Sample : ITO15-LLSTD0.2 Quant Date : 12/20/2024 5:40 am

Compound #70: 4-ethyl toluene



Original Peak Response = 10091



Manual Peak Response = 9599 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647510_Ev2.D
Acq On : 19 Dec 2024 10:20 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.5
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:33 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.050	49	200275	10.000	ppbV	0.00
Standard Area = 199429			Recovery = 100.42%			
33) 1,4-difluorobenzene	11.273	114	574950	10.000	ppbV	0.00
Standard Area = 578636			Recovery = 99.36%			
51) chlorobenzene-D5	15.967	54	72853	10.000	ppbV	0.00
Standard Area = 72243			Recovery = 100.84%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.917	65	124965	10.530	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.30%			
53) toluene-D8	14.108	98	488652	10.577	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.77%			
67) bromofluorobenzene	17.325	95	340651	10.478	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.78%			
Target Compounds						Qvalue
2) propylene	3.910	41	4654M6	0.508	ppbV	
3) dichlorodifluoromethane	3.982	85	10451	0.537	ppbV	100
4) chloromethane	4.150	50	5608	0.543	ppbV	98
5) Freon-114	4.258	85	11129	0.527	ppbV	99
6) vinyl chloride	4.378	62	4711	0.534	ppbV	97
7) 1,3-butadiene	4.516	54	3752	0.510	ppbV	97
8) bromomethane	4.798	94	4254	0.536	ppbV	100
9) chloroethane	4.990	64	2231	0.558	ppbV	99
10) ethanol	5.116	31	20722	3.073	ppbV	99
11) vinyl bromide	5.367	106	4307	0.518	ppbV	100
12) acrolein	5.497	56	2495	0.659	ppbV #	86
13) acetone	5.637	43	44768	4.320	ppbV #	85
14) trichlorofluoromethane	5.823	101	10403	0.535	ppbV	98
15) isopropyl alcohol	5.913	45	28959	1.425	ppbV	100
16) acrylonitrile	6.147	53	4095	0.511	ppbV	99
17) 1,1-dichloroethene	6.516	61	7522	0.485	ppbV	99
18) tertiary butyl alcohol	6.576	59	6906	0.467	ppbV	95
19) methylene chloride	6.660	49	7380	0.561	ppbV	98
20) 3-chloropropene	6.786	41	7666	0.506	ppbV	99
21) carbon disulfide	6.966	76	19526	0.583	ppbV #	80
22) Freon 113	6.960	101	11444	0.523	ppbV	99
23) trans-1,2-dichloroethene	7.700	61	7593	0.515	ppbV	99
24) 1,1-dichloroethane	7.925	63	9918	0.515	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647510_Ev2.D
Acq On : 19 Dec 2024 10:20 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.5
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:33 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.000	73	12096	0.504	ppbV		98
26) vinyl acetate	8.108	43	11455	0.559	ppbV		98
27) 2-butanone	8.375	43	13554	0.515	ppbV		98
28) cis-1,2-dichloroethene	8.867	61	7193	0.503	ppbV		99
29) Ethyl Acetate	9.142	61	1821	0.512	ppbV		87
30) chloroform	9.208	83	9819	0.523	ppbV		98
31) Tetrahydrofuran	9.658	42	7871	0.514	ppbV		100
32) 1,2-dichloroethane	10.042	62	6047	0.539	ppbV		99
34) hexane	9.117	57	8318	0.509	ppbV	#	71
36) 1,1,1-trichloroethane	10.333	97	8598	0.515	ppbV		97
37) benzene	10.853	78	20380	0.549	ppbV		100
38) carbon tetrachloride	11.027	117	7622	0.505	ppbV		97
39) cyclohexane	11.167	56	8811	0.509	ppbV		97
40) Dibromomethane	11.767	93	6582	0.518	ppbV	#	99
41) 1,2-dichloropropane	11.793	63	6961	0.507	ppbV		98
42) bromodichloromethane	12.027	83	9318	0.496	ppbV		98
43) 1,4-dioxane	12.073	88	3984	0.514	ppbV		95
44) trichloroethene	12.073	130	8978	0.517	ppbV		98
45) 2,2,4-trimethylpentane	12.120	57	28322	0.529	ppbV		100
46) heptane	12.433	43	13080	0.505	ppbV		98
47) cis-1,3-dichloropropene	13.083	75	8399	0.481	ppbV		98
48) 4-methyl-2-pentanone	13.125	43	15167	0.486	ppbV		100
49) trans-1,3-dichloropropene	13.708	75	5616	0.454	ppbV		100
50) 1,1,2-trichloroethane	13.908	97	8269	0.522	ppbV		100
52) toluene	14.217	91	24609	0.537	ppbV		100
54) 2-hexanone	14.508	43	13166	0.460	ppbV		98
55) dibromochloromethane	14.667	129	10307	0.498	ppbV		100
56) 1,2-dibromoethane	14.917	107	11565	0.499	ppbV		99
57) tetrachloroethene	15.375	166	9780	0.521	ppbV		97
58) 1,1,1,2-tetrachloroethane	15.992	131	8104	0.497	ppbV		98
59) chlorobenzene	16.008	112	19135	0.513	ppbV		100
60) ethylbenzene	16.342	91	30311	0.514	ppbV		97
61) m+p-xylene	16.508	91	49116	1.045	ppbV		99
62) bromoform	16.575	173	7752	0.489	ppbV		99
63) styrene	16.833	104	18512	0.478	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.925	83	17594	0.511	ppbV		99
65) o-xylene	16.925	91	25458	0.524	ppbV		100
66) 1,2,3-Trichloropropane	17.033	75	12710	0.500	ppbV		98
68) isopropylbenzene	17.442	105	32117	0.507	ppbV		98
69) Bromobenzene	17.517	77	16307	0.505	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647510_Ev2.D
Acq On : 19 Dec 2024 10:20 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.5
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:33 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

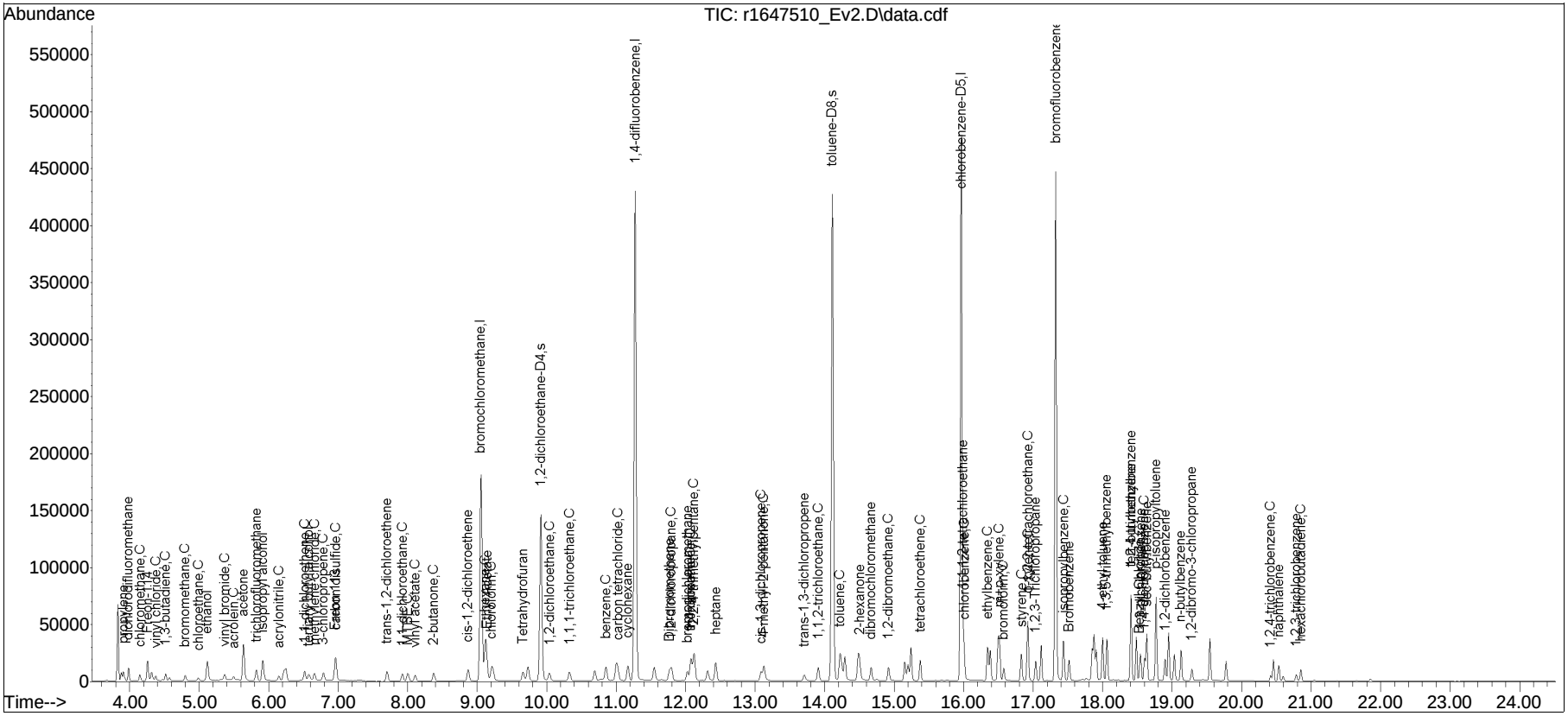
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	18.000	105	31587	0.486	ppbV	99
71) 1,3,5-trimethylbenzene	18.058	105	27408	0.495	ppbV	100
72) tert-butylbenzene	18.408	119	30285	0.513	ppbV	98
73) 1,2,4-trimethylbenzene	18.408	105	27628	0.490	ppbV	94
74) Benzyl Chloride	18.533	91	6125	0.276	ppbV	99
75) 1,3-dichlorobenzene	18.550	146	20469	0.473	ppbV	94
76) 1,4-dichlorobenzene	18.600	146	19964	0.472	ppbV	96
77) sec-butylbenzene	18.633	105	40603	0.494	ppbV	98
78) p-isopropyltoluene	18.767	119	34996	0.495	ppbV	99
79) 1,2-dichlorobenzene	18.900	146	19182	0.462	ppbV	98
80) n-butylbenzene	19.125	91	27763	0.437	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.283	75	5066	0.405	ppbV	96
82) 1,2,4-trichlorobenzene	20.417	180	5131	0.257	ppbV	97
83) naphthalene	20.533	128	21515	0.330	ppbV	99
84) 1,2,3-trichlorobenzene	20.783	180	6138	0.328	ppbV	97
85) hexachlorobutadiene	20.850	225	7762	0.422	ppbV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219SIM_I\r1647512_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647510_Ev2.D
Acq On : 19 Dec 2024 10:20 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD0.5
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

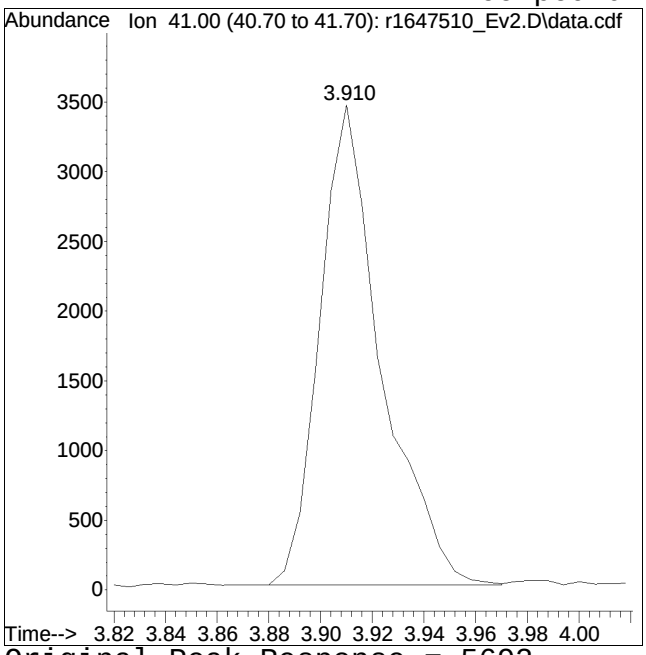
Quant Time: Dec 20 05:40:33 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration



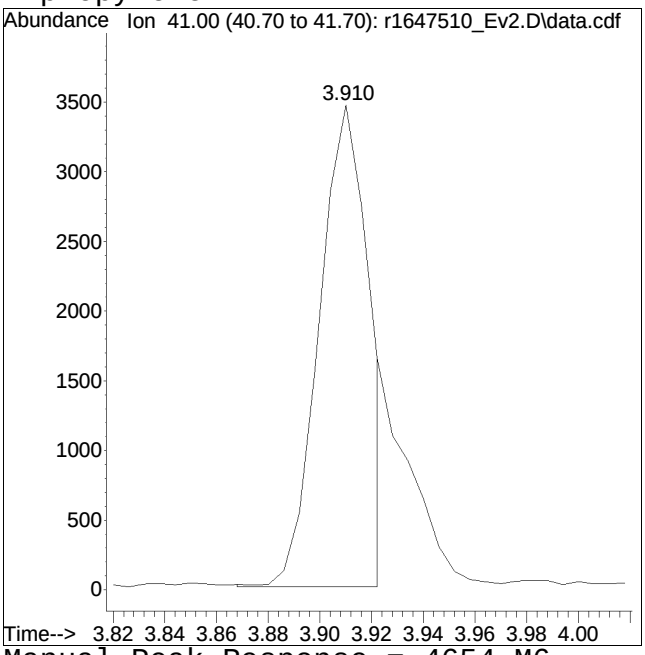
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647510_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 10:20 PM Instrument :
Sample : ITO15-LLSTD0.5 Quant Date : 12/20/2024 5:40 am

Compound #2: propylene



Original Peak Response = 5692



Manual Peak Response = 4654 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647511_Ev2.D
Acq On : 19 Dec 2024 11:02 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD1.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:43 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.050	49	199146	10.000	ppbV	0.00
Standard Area = 199429			Recovery = 99.86%			
33) 1,4-difluorobenzene	11.267	114	573383	10.000	ppbV	0.00
Standard Area = 578636			Recovery = 99.09%			
51) chlorobenzene-D5	15.958	54	72118	10.000	ppbV	0.00
Standard Area = 72243			Recovery = 99.83%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.908	65	127296	10.755	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.55%			
53) toluene-D8	14.108	98	494014	10.802	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.02%			
67) bromofluorobenzene	17.317	95	342549	10.644	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.44%			
Target Compounds						Qvalue
2) propylene	3.898	41	9339M6	1.025	ppbV	
3) dichlorodifluoromethane	3.970	85	20811	1.075	ppbV	100
4) chloromethane	4.132	50	11097	1.081	ppbV	100
5) Freon-114	4.240	85	22380	1.065	ppbV	97
6) vinyl chloride	4.360	62	9181	1.047	ppbV	99
7) 1,3-butadiene	4.504	54	7606	1.041	ppbV	97
8) bromomethane	4.786	94	8397	1.065	ppbV	99
9) chloroethane	4.972	64	4239	1.067	ppbV	99
10) ethanol	5.098	31	38462	5.736	ppbV	100
11) vinyl bromide	5.353	106	8718	1.055	ppbV	99
12) acrolein	5.480	56	4314	1.146	ppbV #	93
13) acetone	5.620	43	59564	5.780	ppbV	99
14) trichlorofluoromethane	5.810	101	13726	0.709	ppbV	96
15) isopropyl alcohol	5.893	45	55005	2.721	ppbV	100
16) acrylonitrile	6.133	53	8186	1.028	ppbV	98
17) 1,1-dichloroethene	6.504	61	16616	1.078	ppbV	99
18) tertiary butyl alcohol	6.558	59	13489	0.917	ppbV	94
19) methylene chloride	6.648	49	14260	1.090	ppbV	98
20) 3-chloropropene	6.774	41	15664	1.040	ppbV	99
21) carbon disulfide	6.954	76	36903	1.109	ppbV #	89
22) Freon 113	6.948	101	23060	1.059	ppbV	100
23) trans-1,2-dichloroethene	7.692	61	15227	1.038	ppbV	99
24) 1,1-dichloroethane	7.917	63	20077	1.049	ppbV	100

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647511_Ev2.D
Acq On : 19 Dec 2024 11:02 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD1.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:43 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.992	73	24538	1.029	ppbV		99
26) vinyl acetate	8.100	43	23243	1.141	ppbV		98
27) 2-butanone	8.358	43	27623	1.055	ppbV		100
28) cis-1,2-dichloroethene	8.858	61	14839	1.044	ppbV		99
29) Ethyl Acetate	9.125	61	3785	1.071	ppbV		73
30) chloroform	9.200	83	19913	1.066	ppbV		99
31) Tetrahydrofuran	9.642	42	15792	1.038	ppbV		99
32) 1,2-dichloroethane	10.033	62	11917	1.068	ppbV		99
34) hexane	9.108	57	17148	1.052	ppbV		83
36) 1,1,1-trichloroethane	10.325	97	17478	1.049	ppbV		97
37) benzene	10.847	78	40012	1.081	ppbV		99
38) carbon tetrachloride	11.020	117	15314	1.018	ppbV		99
39) cyclohexane	11.167	56	17883	1.037	ppbV		99
40) Dibromomethane	11.760	93	13399	1.058	ppbV	#	99
41) 1,2-dichloropropane	11.793	63	14484	1.058	ppbV		98
42) bromodichloromethane	12.020	83	19364	1.034	ppbV		98
43) 1,4-dioxane	12.067	88	7700	0.997	ppbV		96
44) trichloroethene	12.073	130	18292	1.056	ppbV		98
45) 2,2,4-trimethylpentane	12.113	57	57458	1.075	ppbV		100
46) heptane	12.427	43	27376	1.060	ppbV		99
47) cis-1,3-dichloropropene	13.083	75	17242	0.989	ppbV		100
48) 4-methyl-2-pentanone	13.117	43	31351	1.007	ppbV		100
49) trans-1,3-dichloropropene	13.700	75	11715	0.950	ppbV		97
50) 1,1,2-trichloroethane	13.908	97	16734	1.060	ppbV		98
52) toluene	14.217	91	48849	1.077	ppbV		100
54) 2-hexanone	14.500	43	28159	0.993	ppbV		98
55) dibromochloromethane	14.667	129	20916	1.021	ppbV		99
56) 1,2-dibromoethane	14.917	107	23732	1.034	ppbV		100
57) tetrachloroethene	15.375	166	19693	1.060	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.992	131	16371	1.014	ppbV		99
59) chlorobenzene	16.000	112	38815	1.052	ppbV		95
60) ethylbenzene	16.342	91	62036	1.062	ppbV		98
61) m+p-xylene	16.508	91	100002	2.150	ppbV		98
62) bromoform	16.575	173	16161	1.029	ppbV		99
63) styrene	16.825	104	38123	0.994	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.917	83	36777	1.079	ppbV		100
65) o-xylene	16.917	91	51962	1.080	ppbV		97
66) 1,2,3-Trichloropropane	17.033	75	25948	1.031	ppbV		99
68) isopropylbenzene	17.433	105	65025	1.038	ppbV		100
69) Bromobenzene	17.517	77	33214	1.039	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647511_Ev2.D
Acq On : 19 Dec 2024 11:02 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD1.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:43 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

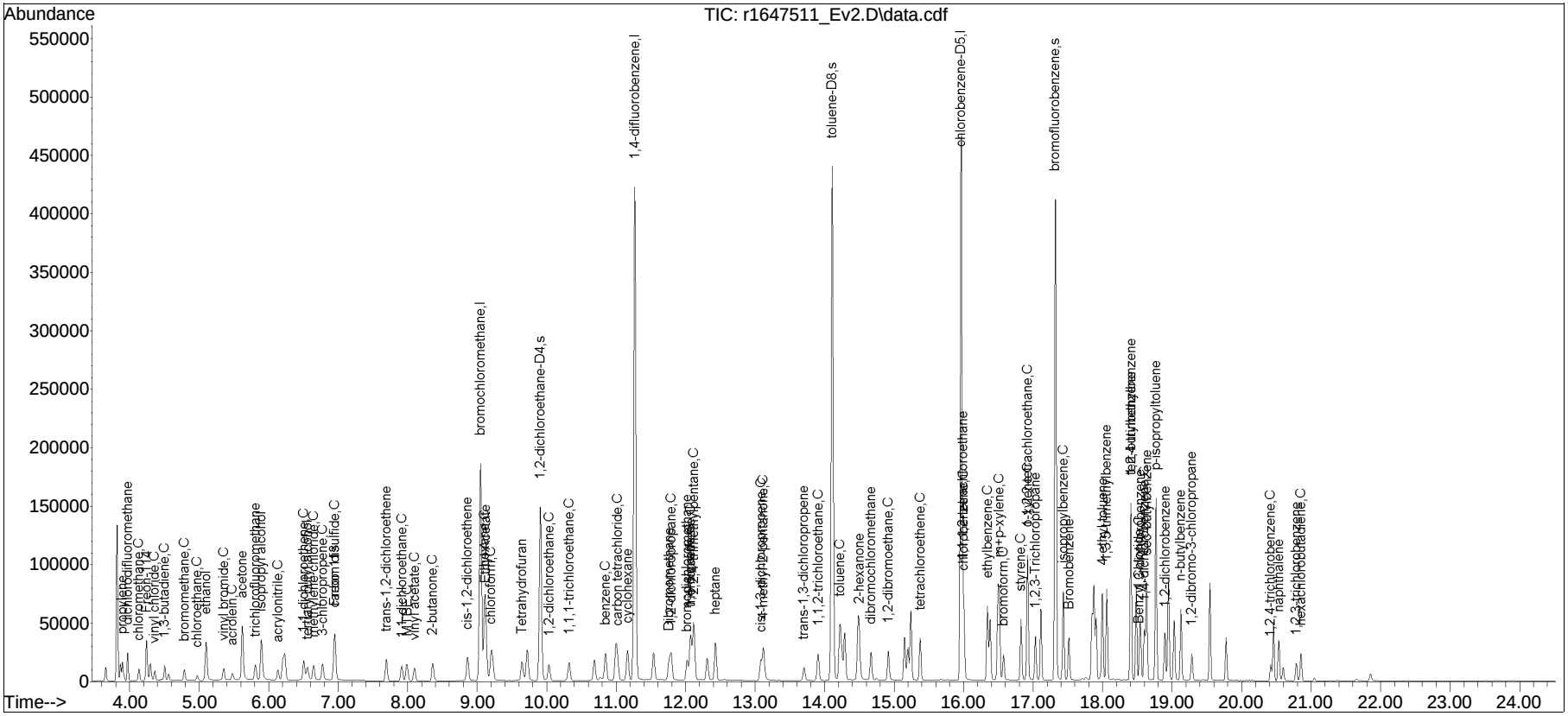
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	18.000	105	66210	1.029	ppbV	97
71) 1,3,5-trimethylbenzene	18.058	105	57111	1.042	ppbV	99
72) tert-butylbenzene	18.408	119	62280	1.065	ppbV	99
73) 1,2,4-trimethylbenzene	18.408	105	57999	1.039	ppbV	97
74) Benzyl Chloride	18.525	91	17140	0.780	ppbV	95
75) 1,3-dichlorobenzene	18.542	146	44135	1.031	ppbV	99
76) 1,4-dichlorobenzene	18.600	146	42384	1.012	ppbV	100
77) sec-butylbenzene	18.633	105	84682	1.041	ppbV	100
78) p-isopropyltoluene	18.767	119	73860	1.055	ppbV	99
79) 1,2-dichlorobenzene	18.900	146	42471	1.034	ppbV	98
80) n-butylbenzene	19.125	91	62420	0.993	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.283	75	10985	0.887	ppbV	97
82) 1,2,4-trichlorobenzene	20.417	180	14218	0.720	ppbV	97
83) naphthalene	20.533	128	53975	0.837	ppbV	99
84) 1,2,3-trichlorobenzene	20.783	180	16192	0.873	ppbV	97
85) hexachlorobutadiene	20.850	225	18339	1.006	ppbV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219SIM_I\r1647512_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647511_Ev2.D
Acq On : 19 Dec 2024 11:02 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD1.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

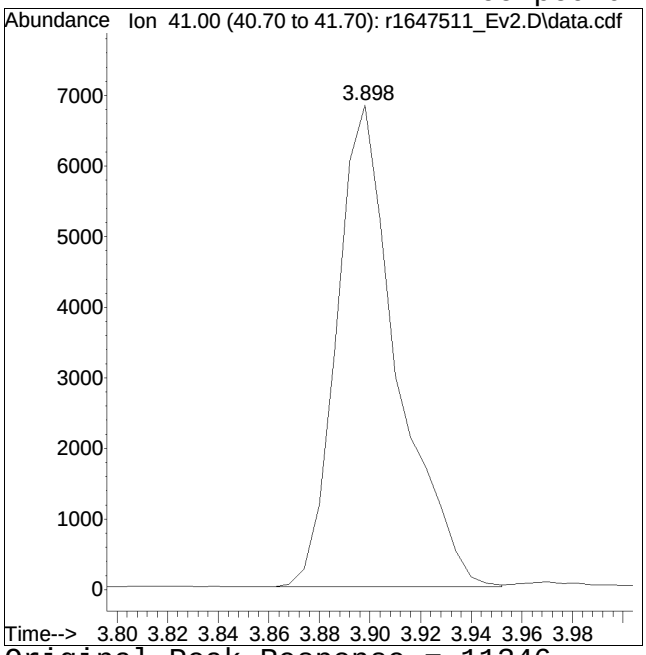
Quant Time: Dec 20 05:40:43 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration



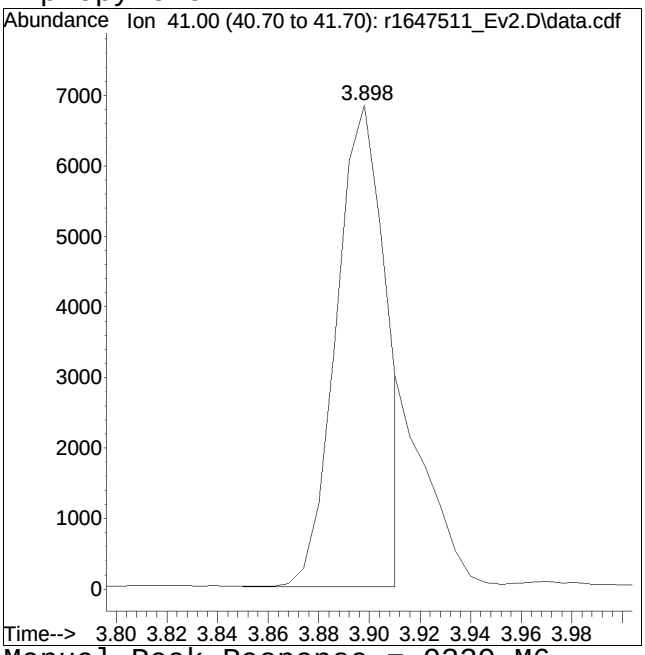
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647511_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 11:02 PM Instrument :
Sample : ITO15-LLSTD1.0 Quant Date : 12/20/2024 5:40 am

Compound #2: propylene



Original Peak Response = 11346



Manual Peak Response = 9339 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647512_Ev2.D
Acq On : 19 Dec 2024 11:44 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD5.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:36:18 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Dec 03 12:45:30 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.058	49	199429	10.000	ppbV	#-0.02
Standard Area = 199429			Recovery = 100.00%			
33) 1,4-difluorobenzene	11.273	114	578636	10.000	ppbV	-0.02
Standard Area = 578636			Recovery = 100.00%			
51) chlorobenzene-D5	15.967	54	72243	10.000	ppbV	0.00
Standard Area = 72243			Recovery = 100.00%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.917	65	119440	10.257	ppbV	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.57%			
53) toluene-D8	14.108	98	458113	9.640	ppbV	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.40%			
67) bromofluorobenzene	17.308	95	322385	14.357	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 143.57%#			
Target Compounds						Qvalue
2) propylene	3.904	41	45628M6	3.688	ppbV	
3) dichlorodifluoromethane	3.982	85	96977	3.638	ppbV	99
4) chloromethane	4.144	50	51380	4.169	ppbV	99
5) Freon-114	4.252	85	105179	3.260	ppbV	92
6) vinyl chloride	4.372	62	43912	2.563	ppbV	98
7) 1,3-butadiene	4.516	54	36596	3.657	ppbV #	56
8) bromomethane	4.798	94	39488	3.009	ppbV	93
9) chloroethane	4.984	64	19899	2.044	ppbV #	70
10) ethanol	5.110	31	167868	12.617	ppbV #	61
11) vinyl bromide	5.363	106	41386	2.708	ppbV	95
12) acrolein	5.487	56	18851	2.428	ppbV	97
13) acetone	5.627	43	257986	13.135	ppbV	96
14) trichlorofluoromethane	5.820	101	96871	3.104	ppbV	99
15) isopropyl alcohol	5.903	45	253026	11.177	ppbV #	94
16) acrylonitrile	6.143	53	39879	3.696	ppbV	96
17) 1,1-dichloroethene	6.516	61	77207	2.967	ppbV	91
18) tertiary butyl alcohol	6.558	59	73678	2.386	ppbV #	66
19) methylene chloride	6.654	49	65534	4.309	ppbV #	79
20) 3-chloropropene	6.786	41	75436	3.750	ppbV	90
21) carbon disulfide	6.960	76	166687	3.534	ppbV #	94
22) Freon 113	6.954	101	109036	3.223	ppbV	98
23) trans-1,2-dichloroethene	7.700	61	73447	2.765	ppbV	89
24) 1,1-dichloroethane	7.925	63	95816	2.854	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647512_Ev2.D
Acq On : 19 Dec 2024 11:44 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD5.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:36:18 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Dec 03 12:45:30 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.992	73	119424	3.200	ppbV		94
26) vinyl acetate	8.100	43	101991M6	3.473	ppbV		
27) 2-butanone	8.358	43	131156	4.391	ppbV	#	92
28) cis-1,2-dichloroethene	8.867	61	71162	2.839	ppbV		90
29) Ethyl Acetate	9.133	61	17703	2.646	ppbV	#	39
30) chloroform	9.208	83	93529	3.453	ppbV	#	96
31) Tetrahydrofuran	9.642	42	76200	4.039	ppbV		91
32) 1,2-dichloroethane	10.042	62	55858	2.741	ppbV	#	89
34) hexane	9.117	57	82233	4.291	ppbV	#	70
36) 1,1,1-trichloroethane	10.333	97	84074	4.221	ppbV		92
37) benzene	10.853	78	186838	4.672	ppbV		99
38) carbon tetrachloride	11.027	117	75902	4.479	ppbV		98
39) cyclohexane	11.167	56	87026	4.438	ppbV		91
40) Dibromomethane	11.767	93	63907	4.518	ppbV	#	98
41) 1,2-dichloropropane	11.793	63	69073	3.913	ppbV		98
42) bromodichloromethane	12.027	83	94517	4.839	ppbV		100
43) 1,4-dioxane	12.060	88	38984	4.691	ppbV		91
44) trichloroethene	12.073	130	87384	4.367	ppbV		99
45) 2,2,4-trimethylpentane	12.120	57	269616	4.267	ppbV	#	91
46) heptane	12.433	43	130333	6.198	ppbV	#	81
47) cis-1,3-dichloropropene	13.083	75	87945	4.704	ppbV		93
48) 4-methyl-2-pentanone	13.117	43	157130	6.471	ppbV	#	80
49) trans-1,3-dichloropropene	13.708	75	62229	4.537	ppbV		93
50) 1,1,2-trichloroethane	13.908	97	79647	4.648	ppbV		92
52) toluene	14.225	91	227251	3.816	ppbV		99
54) 2-hexanone	14.500	43	141992	5.307	ppbV	#	73
55) dibromochloromethane	14.667	129	102559	4.135	ppbV		99
56) 1,2-dibromoethane	14.917	107	114935	4.136	ppbV		99
57) tetrachloroethene	15.375	166	93070	4.042	ppbV		96
58) 1,1,1,2-tetrachloroethane	15.992	131	80886	4.428	ppbV		99
59) chlorobenzene	16.008	112	184813	4.432	ppbV		98
60) ethylbenzene	16.342	91	292654	4.803	ppbV		98
61) m+p-xylene	16.500	91	465985	9.609	ppbV		98
62) bromoform	16.567	173	78659	5.484	ppbV		98
63) styrene	16.817	104	192104	5.175	ppbV		95
64) 1,1,2,2-tetrachloroethane	16.908	83	170716	5.834	ppbV		99
65) o-xylene	16.908	91	240919	5.147	ppbV		99
66) 1,2,3-Trichloropropane	17.025	75	126033	6.308	ppbV		96
68) isopropylbenzene	17.425	105	313865	5.872	ppbV		96
69) Bromobenzene	17.500	77	160056	6.499	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647512_Ev2.D
Acq On : 19 Dec 2024 11:44 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD5.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:36:18 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Dec 03 12:45:30 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

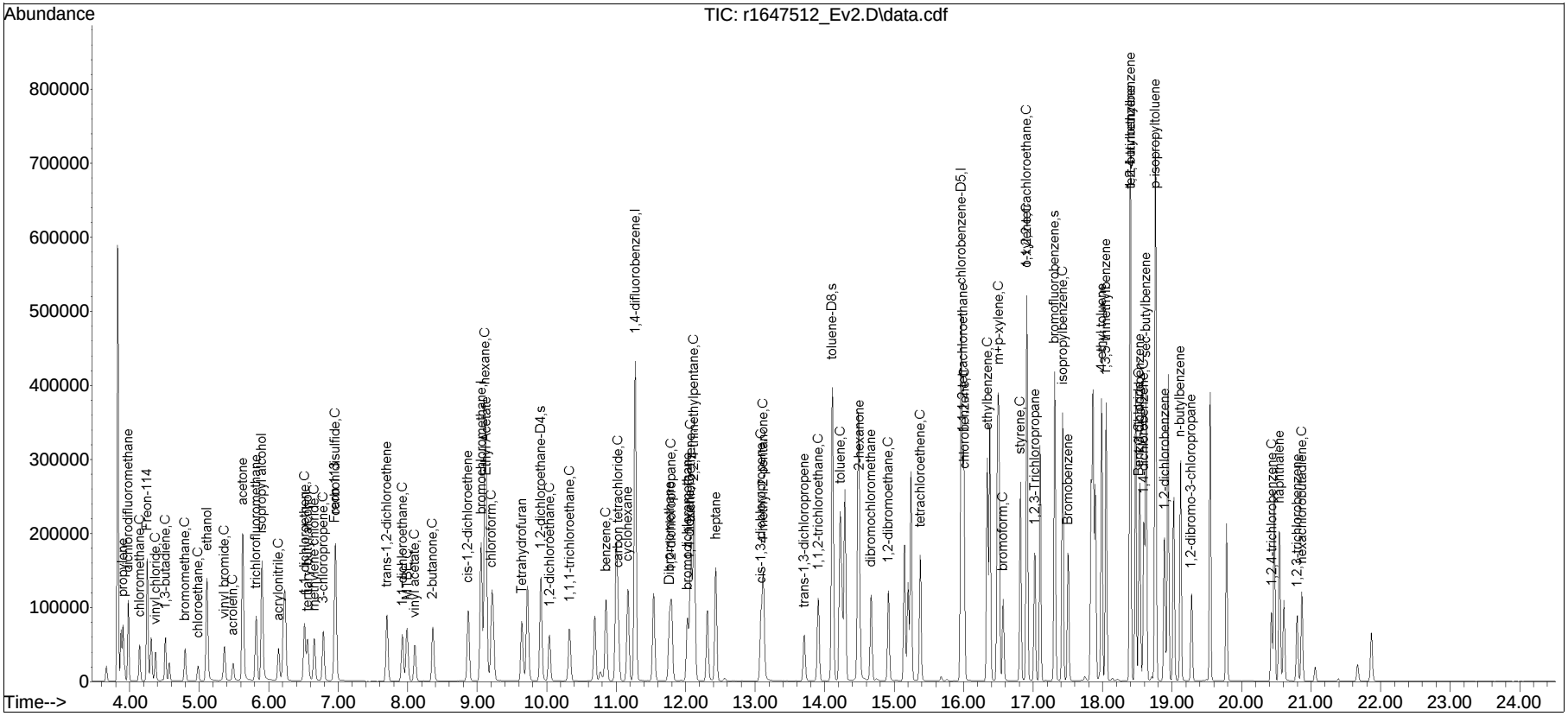
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	17.983	105	322203	6.421	ppbV		99
71) 1,3,5-trimethylbenzene	18.050	105	274549	5.482	ppbV		100
72) tert-butylbenzene	18.400	119	292788	4.518	ppbV		96
73) 1,2,4-trimethylbenzene	18.400	105	279527	6.046	ppbV	#	72
74) Benzyl Chloride	18.525	91	110110	4.606	ppbV		98
75) 1,3-dichlorobenzene	18.533	146	214466	6.874	ppbV	#	91
76) 1,4-dichlorobenzene	18.592	146	209698M3	7.018	ppbV		
77) sec-butylbenzene	18.625	105	407440	5.620	ppbV		98
78) p-isopropyltoluene	18.758	119	350562M3	6.270	ppbV		
79) 1,2-dichlorobenzene	18.892	146	205769	7.188	ppbV		100
80) n-butylbenzene	19.117	91	314915	7.771	ppbV		91
81) 1,2-dibromo-3-chloropr...	19.275	75	62035	7.404	ppbV		96
82) 1,2,4-trichlorobenzene	20.433	180	98893	6.937	ppbV		99
83) naphthalene	20.542	128	323086	5.946	ppbV		100
84) 1,2,3-trichlorobenzene	20.800	180	92869	6.096	ppbV		99
85) hexachlorobutadiene	20.867	225	91274	3.926	ppbV		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219SIM_I\r1647512_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647512_Ev2.D
Acq On : 19 Dec 2024 11:44 PM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD5.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

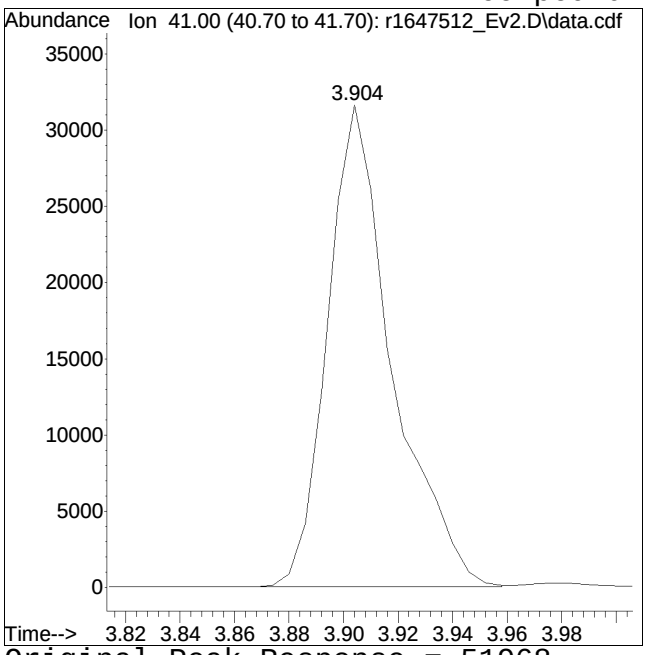
Quant Time: Dec 20 05:36:18 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Dec 03 12:45:30 2024
Response via : Initial Calibration



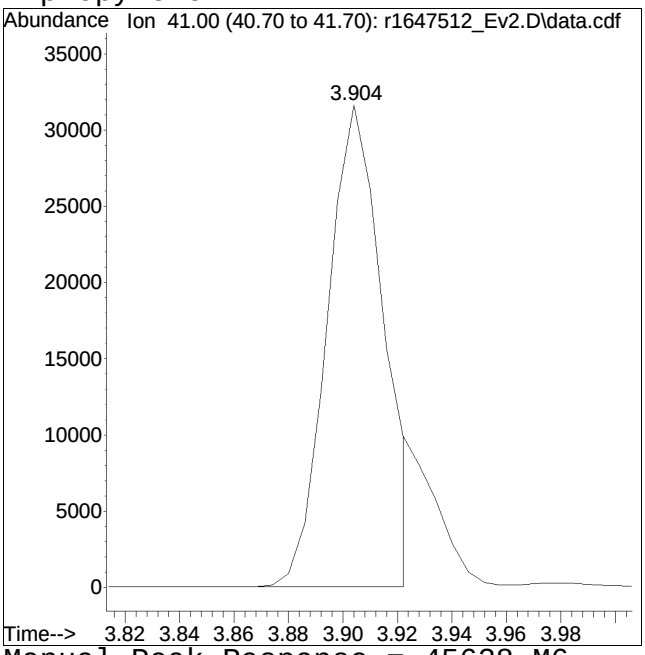
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647512_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 11:44 PM Instrument :
Sample : ITO15-LLSTD5.0 Quant Date : 12/20/2024 5:36 am

Compound #2: propylene



Original Peak Response = 51968



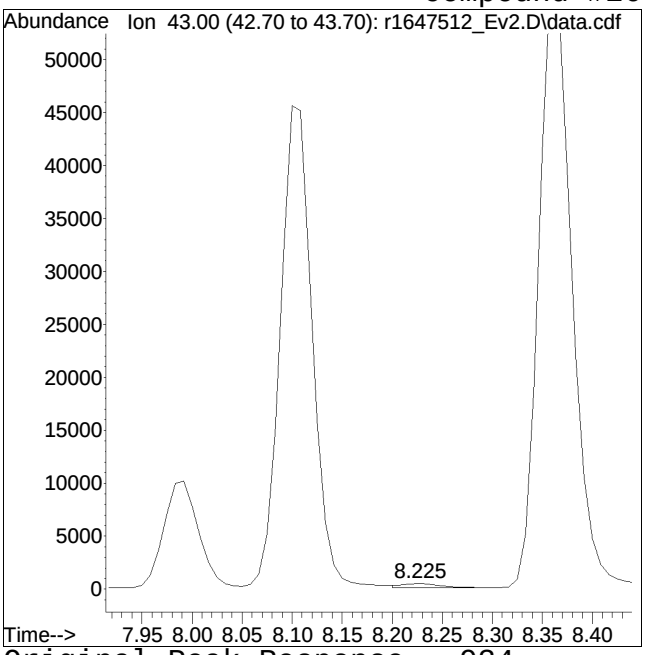
Manual Peak Response = 45628 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

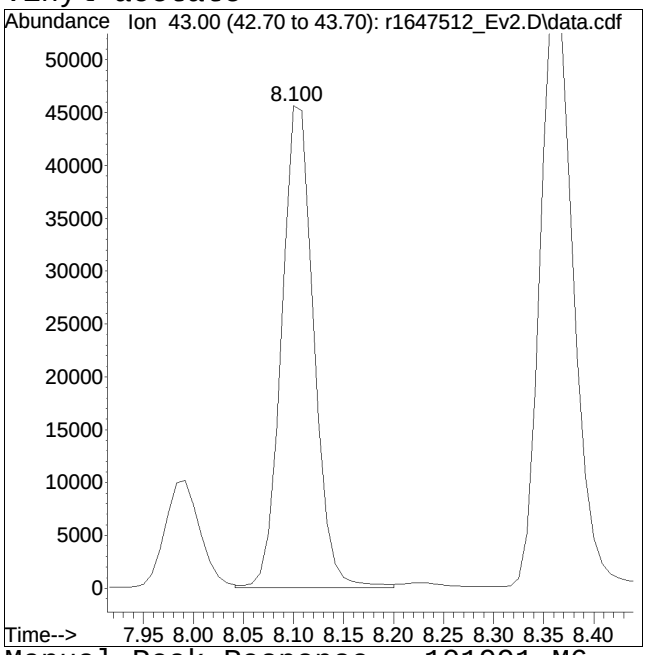
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647512_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 11:44 PM Instrument :
Sample : ITO15-LLSTD5.0 Quant Date : 12/20/2024 5:36 am

Compound #26: vinyl acetate



Original Peak Response = 934



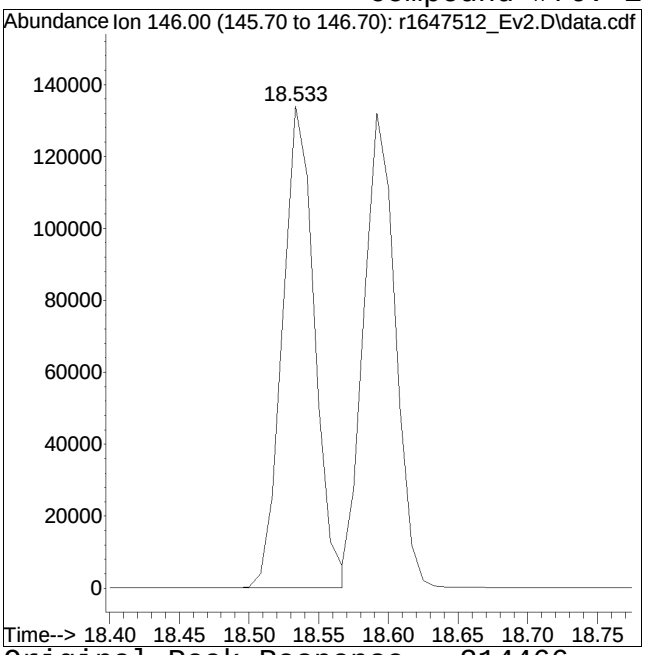
Manual Peak Response = 101991 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

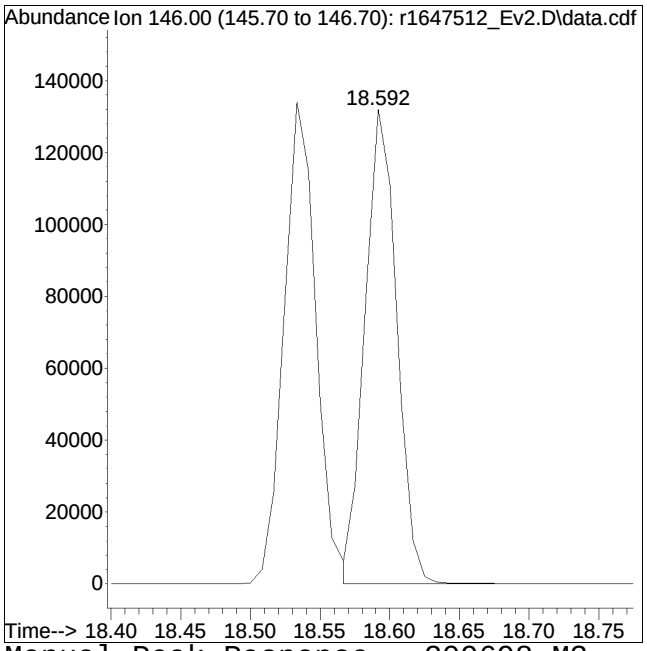
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647512_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 11:44 PM Instrument :
Sample : ITO15-LLSTD5.0 Quant Date : 12/20/2024 5:36 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 214466



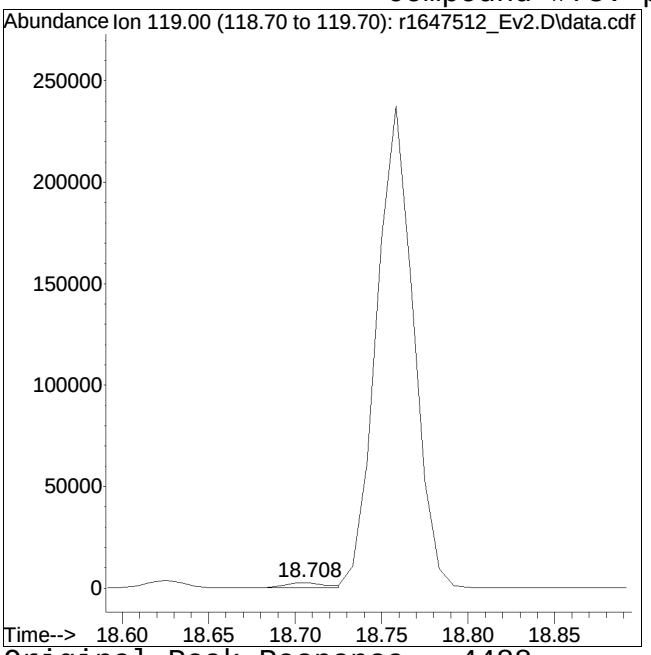
Manual Peak Response = 209698 M3

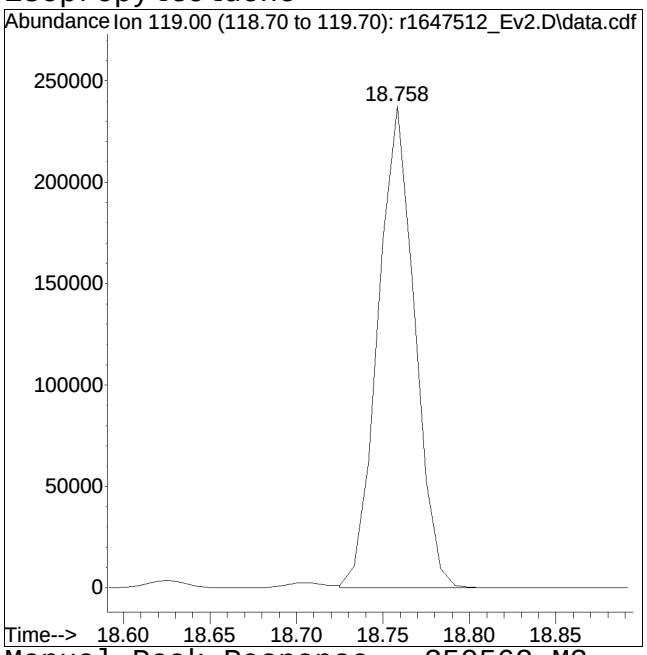
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647512_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/19/2024 11:44 PM Instrument :
Sample : ITO15-LLSTD5.0 Quant Date : 12/20/2024 5:36 am

Compound #78: p-isopropyltoluene





Original Peak Response = 4488 Manual Peak Response = 350562 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647513_Ev2.D
Acq On : 20 Dec 2024 12:27 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD010
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:53 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.058	49	201563	10.000	ppbV	0.00
Standard Area = 199429			Recovery = 101.07%			
33) 1,4-difluorobenzene	11.273	114	580208	10.000	ppbV	0.00
Standard Area = 578636			Recovery = 100.27%			
51) chlorobenzene-D5	15.967	54	71882	10.000	ppbV	0.00
Standard Area = 72243			Recovery = 99.50%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.917	65	120599	10.070	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.70%			
53) toluene-D8	14.108	98	467376	10.253	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.53%			
67) bromofluorobenzene	17.308	95	321720	10.029	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.29%			
Target Compounds						Qvalue
2) propylene	3.898	41	80356M6	8.712	ppbV	
3) dichlorodifluoromethane	3.976	85	186061	9.491	ppbV	99
4) chloromethane	4.138	50	99454	9.576	ppbV	99
5) Freon-114	4.246	85	206455	9.711	ppbV	97
6) vinyl chloride	4.366	62	87168	9.820	ppbV	99
7) 1,3-butadiene	4.510	54	73414	9.924	ppbV	98
8) bromomethane	4.798	94	79020	9.900	ppbV	98
9) chloroethane	4.984	64	40329	10.026	ppbV	99
10) ethanol	5.110	31	331112	48.789	ppbV	100
11) vinyl bromide	5.363	106	83986	10.039	ppbV	100
12) acrolein	5.487	56	37984	9.968	ppbV	97
13) acetone	5.623	43	517554	49.622	ppbV	100
14) trichlorofluoromethane	5.820	101	130690	6.674	ppbV	99
15) isopropyl alcohol	5.903	45	507721	24.817	ppbV	100
16) acrylonitrile	6.140	53	82639	10.252	ppbV	100
17) 1,1-dichloroethene	6.516	61	156485	10.027	ppbV	100
18) tertiary butyl alcohol	6.558	59	152013	10.207	ppbV	99
19) methylene chloride	6.654	49	132886	10.031	ppbV	99
20) 3-chloropropene	6.786	41	155762	10.215	ppbV	99
21) carbon disulfide	6.960	76	336311	9.981	ppbV	98
22) Freon 113	6.954	101	220527	10.006	ppbV	99
23) trans-1,2-dichloroethene	7.700	61	149522	10.071	ppbV	100
24) 1,1-dichloroethane	7.925	63	195048	10.070	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647513_Ev2.D
Acq On : 20 Dec 2024 12:27 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD010
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:53 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.992	73	244628	10.134	ppbV		99
26) vinyl acetate	8.100	43	209255	10.150	ppbV		100
27) 2-butanone	8.358	43	267207	10.079	ppbV		99
28) cis-1,2-dichloroethene	8.867	61	144144	10.021	ppbV		99
29) Ethyl Acetate	9.133	61	36167	10.107	ppbV		95
30) chloroform	9.208	83	188806	9.987	ppbV		99
31) Tetrahydrofuran	9.642	42	155582	10.101	ppbV		98
32) 1,2-dichloroethane	10.042	62	112130	9.931	ppbV		99
34) hexane	9.117	57	165670	10.046	ppbV		98
36) 1,1,1-trichloroethane	10.333	97	171090	10.147	ppbV		99
37) benzene	10.853	78	379432	10.127	ppbV		100
38) carbon tetrachloride	11.027	117	155228	10.198	ppbV		99
39) cyclohexane	11.167	56	176135	10.092	ppbV		100
40) Dibromomethane	11.767	93	128858	10.054	ppbV	#	100
41) 1,2-dichloropropane	11.793	63	138165	9.974	ppbV		100
42) bromodichloromethane	12.027	83	190639	10.058	ppbV		100
43) 1,4-dioxane	12.060	88	79808	10.208	ppbV		99
44) trichloroethene	12.080	130	176971	10.099	ppbV		100
45) 2,2,4-trimethylpentane	12.120	57	539586	9.979	ppbV		99
46) heptane	12.433	43	264791	10.131	ppbV		100
47) cis-1,3-dichloropropene	13.083	75	183741	10.418	ppbV		99
48) 4-methyl-2-pentanone	13.117	43	321822	10.213	ppbV		99
49) trans-1,3-dichloropropene	13.708	75	133874	10.727	ppbV		98
50) 1,1,2-trichloroethane	13.908	97	161639	10.120	ppbV		100
52) toluene	14.225	91	456376	10.092	ppbV		99
54) 2-hexanone	14.492	43	290834	10.293	ppbV		99
55) dibromochloromethane	14.667	129	209033	10.242	ppbV		99
56) 1,2-dibromoethane	14.917	107	233391	10.204	ppbV		100
57) tetrachloroethene	15.375	166	186468	10.068	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.992	131	164953	10.248	ppbV		99
59) chlorobenzene	16.008	112	372371	10.125	ppbV		99
60) ethylbenzene	16.342	91	583030	10.011	ppbV		99
61) m+p-xylene	16.500	91	922268	19.891	ppbV		99
62) bromoform	16.567	173	162110	10.356	ppbV		99
63) styrene	16.817	104	393464	10.292	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.908	83	335563	9.877	ppbV		100
65) o-xylene	16.908	91	472248	9.850	ppbV		98
66) 1,2,3-Trichloropropane	17.025	75	255157	10.173	ppbV		99
68) isopropylbenzene	17.425	105	634321	10.156	ppbV		99
69) Bromobenzene	17.500	77	323626	10.161	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647513_Ev2.D
Acq On : 20 Dec 2024 12:27 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD010
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:53 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

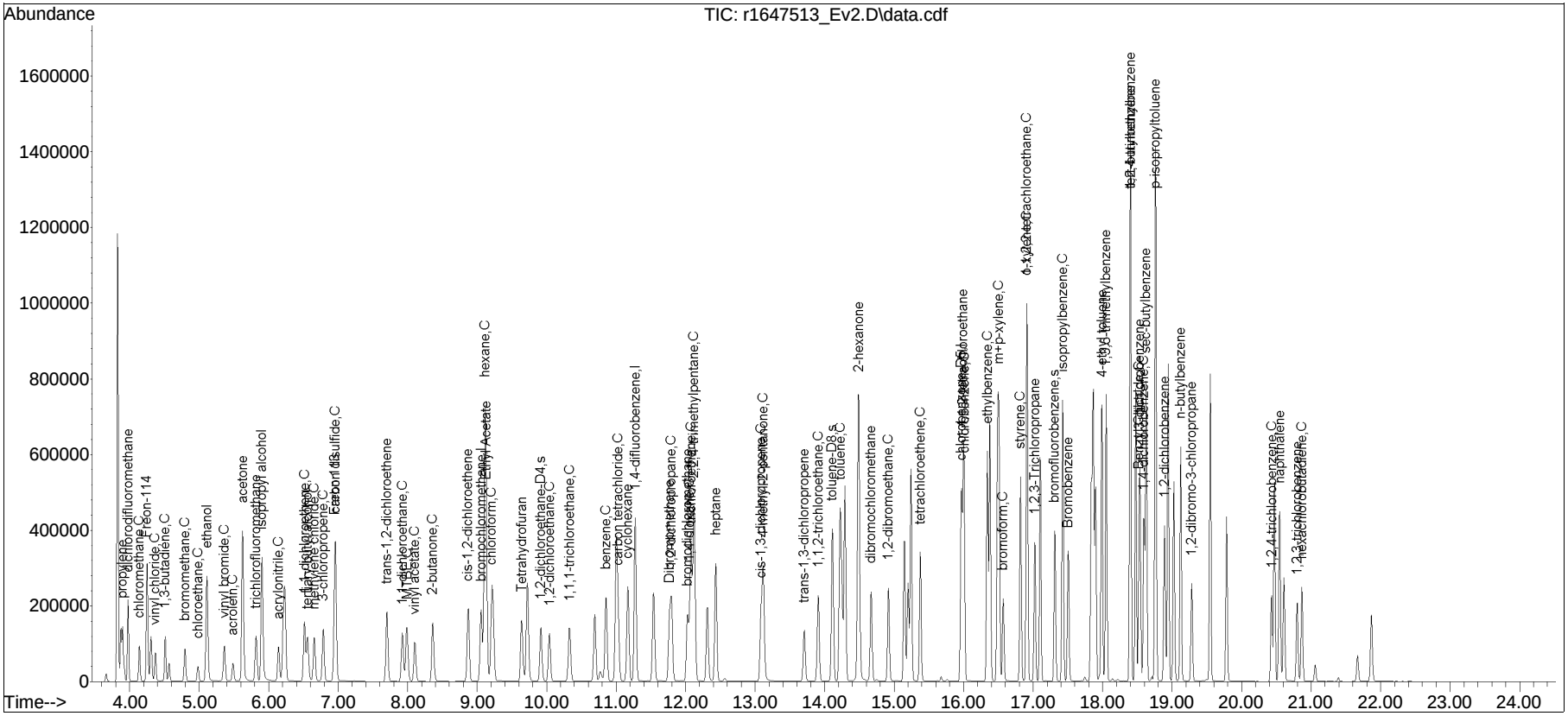
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.992	105	650278	10.142	ppbV	98
71) 1,3,5-trimethylbenzene	18.050	105	553388	10.129	ppbV	99
72) tert-butylbenzene	18.400	119	576515	9.895	ppbV	99
73) 1,2,4-trimethylbenzene	18.400	105	561632	10.097	ppbV	98
74) Benzyl Chloride	18.525	91	257532	11.753	ppbV	100
75) 1,3-dichlorobenzene	18.533	146	436739	10.233	ppbV	98
76) 1,4-dichlorobenzene	18.592	146	431037	10.329	ppbV	98
77) sec-butylbenzene	18.625	105	822106	10.139	ppbV	99
78) p-isopropyltoluene	18.758	119	690006	9.891	ppbV	100
79) 1,2-dichlorobenzene	18.892	146	418417	10.218	ppbV	99
80) n-butylbenzene	19.125	91	629894	10.051	ppbV	91
81) 1,2-dibromo-3-chloropr...	19.283	75	133768	10.836	ppbV	97
82) 1,2,4-trichlorobenzene	20.433	180	234630	11.922	ppbV	99
83) naphthalene	20.550	128	723554	11.254	ppbV	99
84) 1,2,3-trichlorobenzene	20.800	180	214561	11.610	ppbV	100
85) hexachlorobutadiene	20.867	225	188246	10.364	ppbV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219SIM_I\r1647512_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647513_Ev2.D
Acq On : 20 Dec 2024 12:27 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD010
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:40:53 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

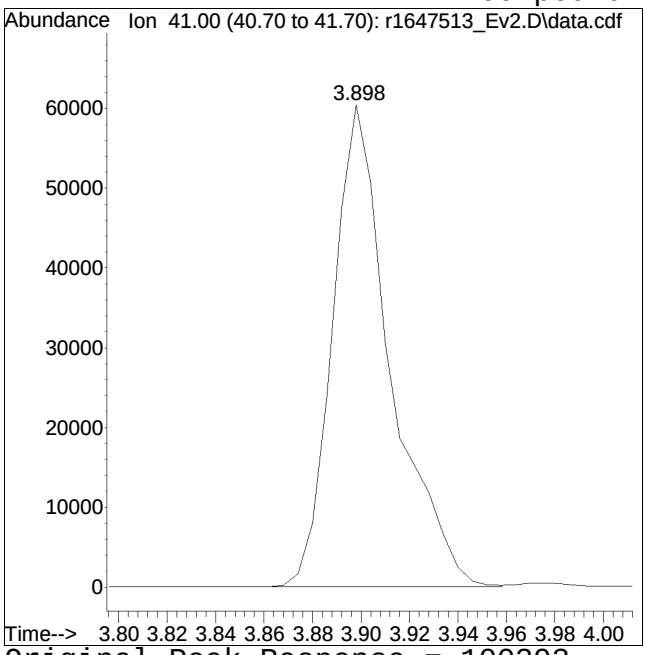


Manual Integration Report

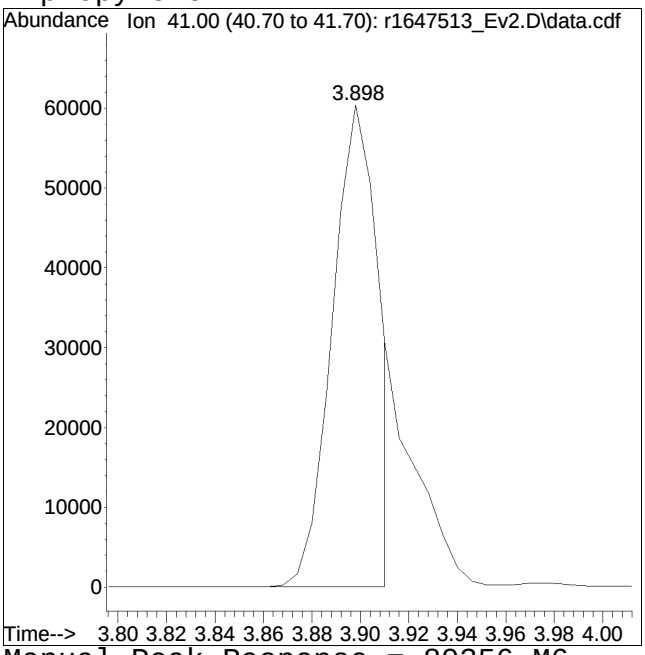
Data Path : X:\Airlab\Data\Airlab16\20Q
Data File : r1647513_Ev2.D
Date Inj'd : 12/20/2024 12:27 AM
Sample : ITO15-LLSTD010

Method : TSIM16_241219.M
Operator : AIRLAB16:JMB
Instrument :
Quant Date : 12/20/2024 5:40 am

Compound #2: propylene



Original Peak Response = 100393



Manual Peak Response = 80356 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647514_Ev2.D
Acq On : 20 Dec 2024 1:06 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD020
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:41:03 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.058	49	203929	10.000	ppbV	0.00
Standard Area = 199429			Recovery = 102.26%			
33) 1,4-difluorobenzene	11.273	114	576617	10.000	ppbV	0.00
Standard Area = 578636			Recovery = 99.65%			
51) chlorobenzene-D5	15.967	54	70383	10.000	ppbV	0.00
Standard Area = 72243			Recovery = 97.43%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.917	65	125673	10.559	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.59%			
53) toluene-D8	14.117	98	498917	11.179	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.79%			
67) bromofluorobenzene	17.317	95	333438	10.616	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.16%			
Target Compounds						Qvalue
2) propylene	3.898	41	165165M6	17.700	ppbV	
3) dichlorodifluoromethane	3.976	85	365982	18.453	ppbV	99
4) chloromethane	4.138	50	197784	18.822	ppbV	100
5) Freon-114	4.246	85	410015	19.061	ppbV	98
6) vinyl chloride	4.366	62	176676	19.673	ppbV	99
7) 1,3-butadiene	4.510	54	148919	19.897	ppbV	100
8) bromomethane	4.792	94	162082	20.070	ppbV	100
9) chloroethane	4.984	64	83303	20.470	ppbV	98
10) ethanol	5.110	31	675379	98.362	ppbV	98
11) vinyl bromide	5.363	106	176541	20.858	ppbV	100
12) acrolein	5.487	56	82009	21.272	ppbV	96
13) acetone	5.623	43	1069365	101.340	ppbV	98
14) trichlorofluoromethane	5.820	101	406960	20.542	ppbV	99
15) isopropyl alcohol	5.903	45	1090906	52.704	ppbV	100
16) acrylonitrile	6.140	53	182953	22.432	ppbV	100
17) 1,1-dichloroethene	6.516	61	331551	20.998	ppbV	99
18) tertiary butyl alcohol	6.558	59	335936	22.295	ppbV	97
19) methylene chloride	6.654	49	288291	21.510	ppbV	99
20) 3-chloropropene	6.786	41	335773	21.764	ppbV	98
21) carbon disulfide	6.960	76	725770	21.290	ppbV	97
22) Freon 113	6.954	101	471993	21.166	ppbV	98
23) trans-1,2-dichloroethene	7.700	61	319626	21.279	ppbV	100
24) 1,1-dichloroethane	7.925	63	416041	21.231	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647514_Ev2.D
Acq On : 20 Dec 2024 1:06 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD020
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:41:03 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.983	73	532990	21.823	ppbV		99
26) vinyl acetate	8.100	43	507425	24.327	ppbV		100
27) 2-butanone	8.358	43	575559	21.458	ppbV		98
28) cis-1,2-dichloroethene	8.867	61	310274	21.319	ppbV		99
29) Ethyl Acetate	9.133	61	79599	21.986	ppbV		91
30) chloroform	9.208	83	404940	21.170	ppbV		99
31) Tetrahydrofuran	9.633	42	337554	21.660	ppbV		99
32) 1,2-dichloroethane	10.042	62	237038	20.750	ppbV		99
34) hexane	9.117	57	355782	21.708	ppbV		96
36) 1,1,1-trichloroethane	10.333	97	368636	22.000	ppbV		99
37) benzene	10.853	78	819642	22.011	ppbV		100
38) carbon tetrachloride	11.027	117	337702	22.324	ppbV		99
39) cyclohexane	11.167	56	379288	21.868	ppbV		98
40) Dibromomethane	11.767	93	270342	21.225	ppbV	#	98
41) 1,2-dichloropropane	11.800	63	295131	21.439	ppbV		98
42) bromodichloromethane	12.027	83	414772	22.018	ppbV		99
43) 1,4-dioxane	12.053	88	175142	22.542	ppbV		98
44) trichloroethene	12.080	130	379096	21.767	ppbV		99
45) 2,2,4-trimethylpentane	12.120	57	1142973	21.271	ppbV		99
46) heptane	12.433	43	564130	21.718	ppbV		99
47) cis-1,3-dichloropropene	13.083	75	414759	23.663	ppbV		98
48) 4-methyl-2-pentanone	13.117	43	698493	22.304	ppbV		99
49) trans-1,3-dichloropropene	13.708	75	310190	25.011	ppbV		97
50) 1,1,2-trichloroethane	13.908	97	346952	21.857	ppbV		99
52) toluene	14.225	91	962055	21.727	ppbV		100
54) 2-hexanone	14.492	43	637535	23.043	ppbV		100
55) dibromochloromethane	14.667	129	448270	22.432	ppbV		99
56) 1,2-dibromoethane	14.917	107	508029	22.685	ppbV		100
57) tetrachloroethene	15.375	166	395781	21.824	ppbV		97
58) 1,1,1,2-tetrachloroethane	15.992	131	350430	22.234	ppbV		98
59) chlorobenzene	16.008	112	809141	22.469	ppbV		99
60) ethylbenzene	16.342	91	1232196	21.608	ppbV		97
61) m+p-xylene	16.500	91	1910465	42.082	ppbV		95
62) bromoform	16.567	173	354545	23.132	ppbV		99
63) styrene	16.817	104	855819	22.864	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.908	83	705452	21.208	ppbV		99
65) o-xylene	16.917	91	964232	20.540	ppbV		92
66) 1,2,3-Trichloropropane	17.025	75	547069	22.277	ppbV		98
68) isopropylbenzene	17.425	105	1332125	21.782	ppbV		98
69) Bromobenzene	17.508	77	690892	22.153	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647514_Ev2.D
Acq On : 20 Dec 2024 1:06 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD020
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:41:03 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

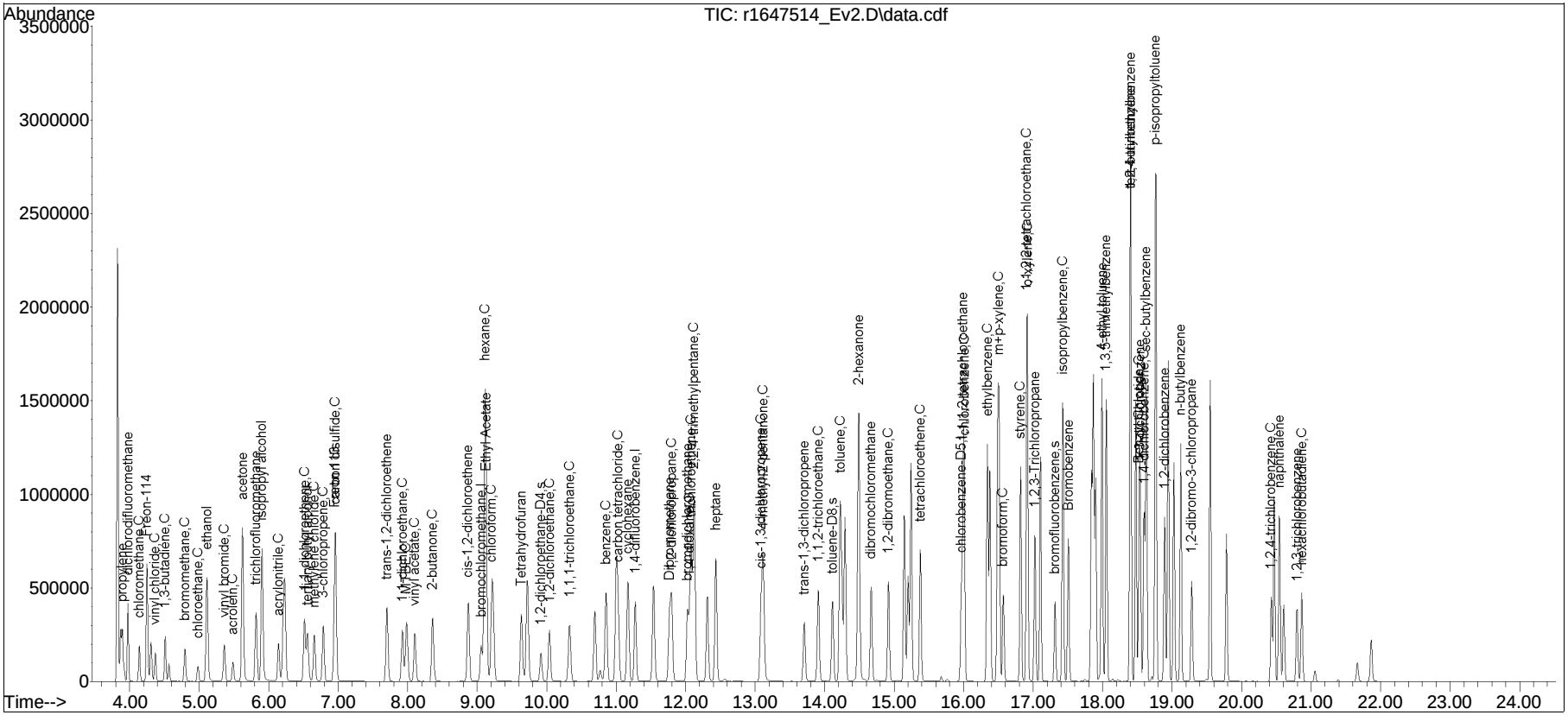
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.992	105	1391204	22.159	ppbV	100
71) 1,3,5-trimethylbenzene	18.050	105	1169489	21.861	ppbV	97
72) tert-butylbenzene	18.400	119	1171259	20.530	ppbV	100
73) 1,2,4-trimethylbenzene	18.400	105	1174634	21.566	ppbV	98
74) Benzyl Chloride	18.525	91	615973	28.710	ppbV	100
75) 1,3-dichlorobenzene	18.542	146	918957	21.990	ppbV	97
76) 1,4-dichlorobenzene	18.600	146	914592	22.384	ppbV	96
77) sec-butylbenzene	18.625	105	1724499	21.722	ppbV	98
78) p-isopropyltoluene	18.758	119	1411659	20.666	ppbV	100
79) 1,2-dichlorobenzene	18.892	146	883446	22.034	ppbV	96
80) n-butylbenzene	19.125	91	1270740	20.709	ppbV	91
81) 1,2-dibromo-3-chloropr...	19.283	75	284699	23.553	ppbV	94
82) 1,2,4-trichlorobenzene	20.425	180	467287	24.250	ppbV	96
83) naphthalene	20.542	128	1382531	21.961	ppbV	99
84) 1,2,3-trichlorobenzene	20.800	180	415559	22.965	ppbV	99
85) hexachlorobutadiene	20.867	225	369074	20.752	ppbV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219SIM_I\r1647512_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647514_Ev2.D
Acq On : 20 Dec 2024 1:06 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD020
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

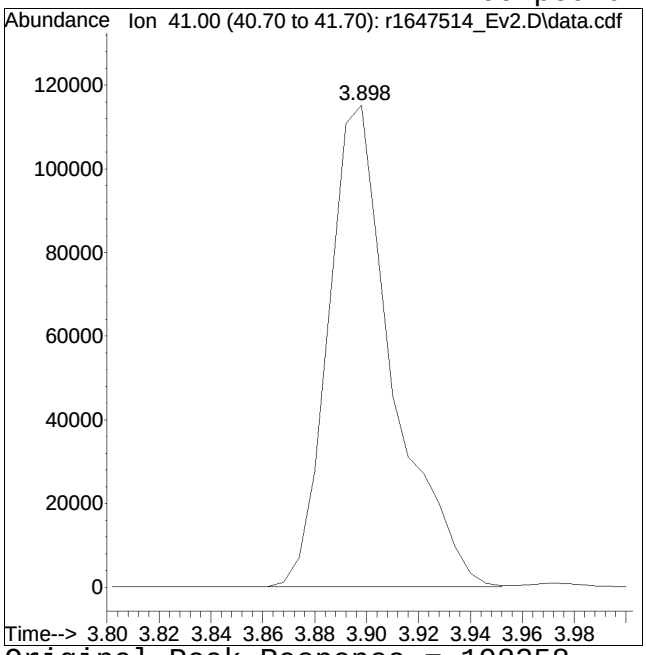
Quant Time: Dec 20 05:41:03 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration



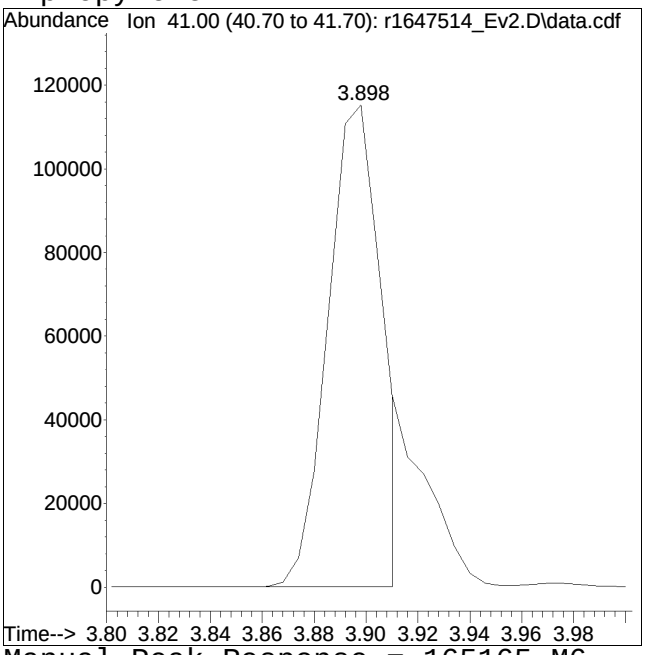
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647514_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/20/2024 1:06 AM Instrument :
Sample : ITO15-LLSTD020 Quant Date : 12/20/2024 5:41 am

Compound #2: propylene



Original Peak Response = 198258



Manual Peak Response = 165165 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647515_Ev2.D
Acq On : 20 Dec 2024 1:46 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD050
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:41:13 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.058	49	205895	10.000	ppbV	0.00
Standard Area = 199429			Recovery = 103.24%			
33) 1,4-difluorobenzene	11.273	114	569037	10.000	ppbV	0.00
Standard Area = 578636			Recovery = 98.34%			
51) chlorobenzene-D5	15.967	54	66016	10.000	ppbV	0.00
Standard Area = 72243			Recovery = 91.38%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.917	65	103354	8.799	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.99%			
53) toluene-D8	14.108	98	456812	10.912	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.12%			
67) bromofluorobenzene	17.325	95	314013	10.659	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.59%			
Target Compounds						Qvalue
2) propylene	3.892	41	391222M6	41.524	ppbV	
3) dichlorodifluoromethane	3.970	85	859309	42.913	ppbV	99
4) chloromethane	4.138	50	463910	43.727	ppbV	99
5) Freon-114	4.246	85	934050	43.008	ppbV	99
6) vinyl chloride	4.366	62	418351	46.139	ppbV	99
7) 1,3-butadiene	4.510	54	349523	46.255	ppbV	96
8) bromomethane	4.792	94	375595	46.065	ppbV	99
9) chloroethane	4.978	64	192556	46.864	ppbV	99
10) ethanol	5.116	31	1596365	230.275	ppbV	93
11) vinyl bromide	5.360	106	394600	46.176	ppbV	99
12) acrolein	5.483	56	194562	49.985	ppbV	96
13) acetone	5.620	43	2298624	215.752	ppbV	94
14) trichlorofluoromethane	5.817	101	608067	30.400	ppbV	100
15) isopropyl alcohol	5.907	45	2312802	110.669	ppbV	99
16) acrylonitrile	6.140	53	456005	55.378	ppbV	99
17) 1,1-dichloroethene	6.510	61	705508	44.255	ppbV	98
18) tertiary butyl alcohol	6.564	59	742901	48.832	ppbV	95
19) methylene chloride	6.654	49	698230	51.599	ppbV	99
20) 3-chloropropene	6.786	41	738905	47.438	ppbV	93
21) carbon disulfide	6.960	76	1700170	49.397	ppbV #	93
22) Freon 113	6.954	101	1044463	46.391	ppbV	95
23) trans-1,2-dichloroethene	7.700	61	701049	46.226	ppbV	94
24) 1,1-dichloroethane	7.925	63	905036	45.745	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647515_Ev2.D
Acq On : 20 Dec 2024 1:46 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD050
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:41:13 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.983	73	1242843	50.401	ppbV		98
26) vinyl acetate	8.100	43	1167483	55.437	ppbV		98
27) 2-butanone	8.358	43	1275374	47.094	ppbV		94
28) cis-1,2-dichloroethene	8.867	61	680713	46.326	ppbV		95
29) Ethyl Acetate	9.133	61	182496	49.925	ppbV		70
30) chloroform	9.208	83	922424	47.764	ppbV		99
31) Tetrahydrofuran	9.633	42	755279	48.003	ppbV		93
32) 1,2-dichloroethane	10.042	62	488867	42.386	ppbV	#	94
34) hexane	9.117	57	815364	50.413	ppbV		87
36) 1,1,1-trichloroethane	10.325	97	787638	47.632	ppbV		97
37) benzene	10.853	78	1986800	54.066	ppbV		100
38) carbon tetrachloride	11.027	117	765142	51.254	ppbV		99
39) cyclohexane	11.167	56	896057	52.351	ppbV		95
40) Dibromomethane	11.767	93	594410	47.290	ppbV	#	96
41) 1,2-dichloropropane	11.793	63	650870	47.909	ppbV		97
42) bromodichloromethane	12.027	83	949746	51.090	ppbV		97
43) 1,4-dioxane	12.053	88	407732	53.177	ppbV		100
44) trichloroethene	12.080	130	855201	49.759	ppbV		99
45) 2,2,4-trimethylpentane	12.120	57	2627420	49.547	ppbV		95
46) heptane	12.433	43	1239687	48.361	ppbV		96
47) cis-1,3-dichloropropene	13.083	75	1003201	57.998	ppbV		92
48) 4-methyl-2-pentanone	13.117	43	1537150	49.738	ppbV		96
49) trans-1,3-dichloropropene	13.708	75	757326	61.876	ppbV		92
50) 1,1,2-trichloroethane	13.908	97	772971	49.343	ppbV		94
52) toluene	14.225	91	2127089	51.215	ppbV		100
54) 2-hexanone	14.492	43	1383941	53.330	ppbV		94
55) dibromochloromethane	14.675	129	1003841	53.556	ppbV		98
56) 1,2-dibromoethane	14.917	107	1171330	55.763	ppbV		100
57) tetrachloroethene	15.375	166	891988	52.440	ppbV		95
58) 1,1,1,2-tetrachloroethane	15.992	131	771899	52.216	ppbV		98
59) chlorobenzene	16.008	112	1866392	55.257	ppbV		98
60) ethylbenzene	16.342	91	2724542	50.940	ppbV		95
61) m+p-xylene	16.508	91	4187905	98.349	ppbV		93
62) bromoform	16.575	173	830779	57.790	ppbV		98
63) styrene	16.825	104	2004190	57.085	ppbV		98
64) 1,1,2,2-tetrachloroethane	16.917	83	1629040	52.212	ppbV		98
65) o-xylene	16.925	91	2093152	47.539	ppbV		90
66) 1,2,3-Trichloropropane	17.033	75	1313459	57.023	ppbV		96
68) isopropylbenzene	17.433	105	3026318	52.758	ppbV		100
69) Bromobenzene	17.517	77	1645154	56.241	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647515_Ev2.D
Acq On : 20 Dec 2024 1:46 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD050
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 05:41:13 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

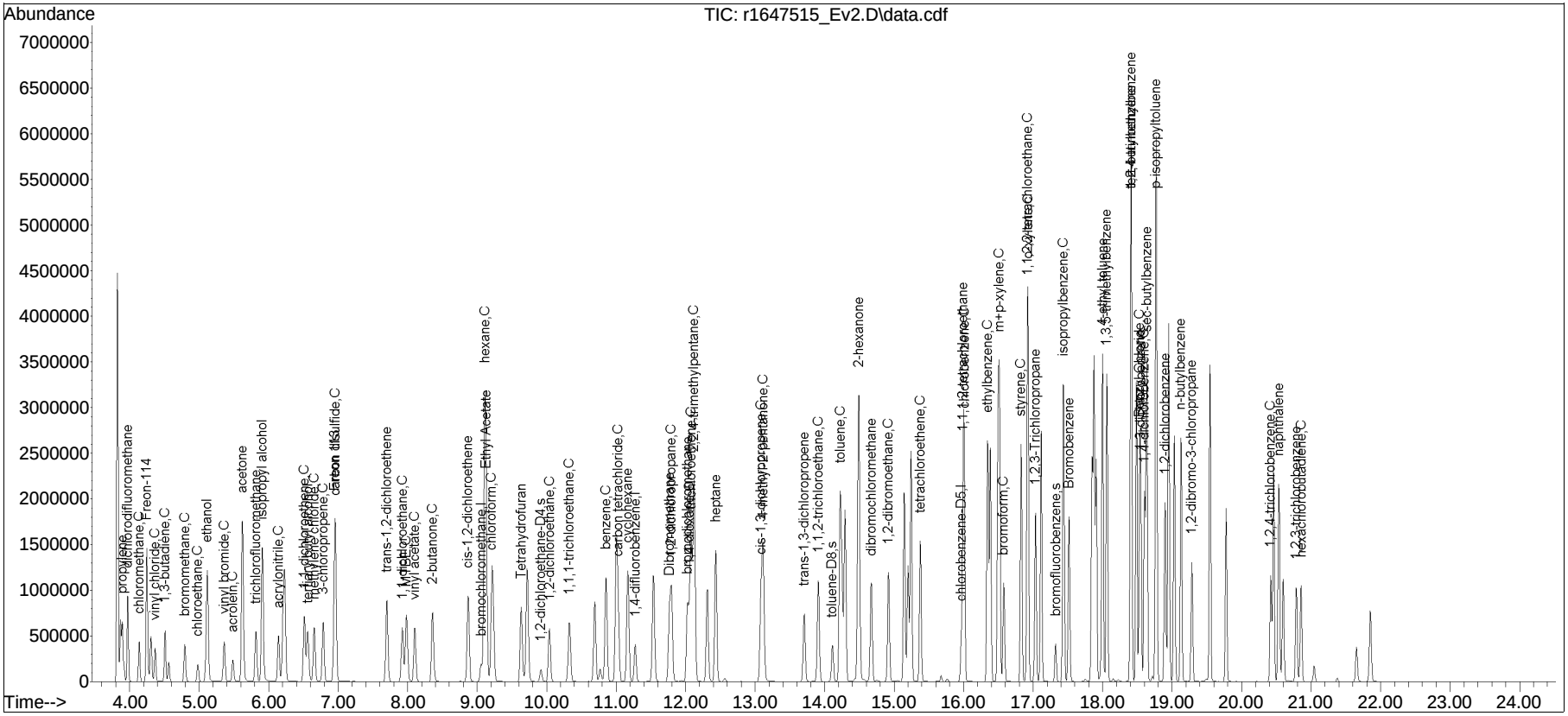
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	18.000	105	3172109	53.869	ppbV		98
71) 1,3,5-trimethylbenzene	18.058	105	2645362	52.721	ppbV		100
72) tert-butylbenzene	18.408	119	2575900	48.138	ppbV		99
73) 1,2,4-trimethylbenzene	18.408	105	2495946	48.857	ppbV		99
74) Benzyl Chloride	18.533	91	1594862	79.252	ppbV		97
75) 1,3-dichlorobenzene	18.550	146	2110507	53.845	ppbV		98
76) 1,4-dichlorobenzene	18.600	146	2106726	54.971	ppbV		96
77) sec-butylbenzene	18.633	105	3817819	51.271	ppbV		98
78) p-isopropyltoluene	18.767	119	3096268	48.327	ppbV		99
79) 1,2-dichlorobenzene	18.900	146	2073795	55.145	ppbV		95
80) n-butylbenzene	19.125	91	2850314	49.524	ppbV		92
81) 1,2-dibromo-3-chloropr...	19.283	75	697639	61.533	ppbV	#	93
82) 1,2,4-trichlorobenzene	20.417	180	1223609	67.701	ppbV		96
83) naphthalene	20.533	128	3489502	59.097	ppbV		98
84) 1,2,3-trichlorobenzene	20.783	180	1100750	64.854	ppbV		96
85) hexachlorobutadiene	20.858	225	869811	52.143	ppbV		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219SIM_I\r1647512_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647515_Ev2.D
Acq On : 20 Dec 2024 1:46 AM
Operator : AIRLAB16:JMB
Sample : ITO15-LLSTD050
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

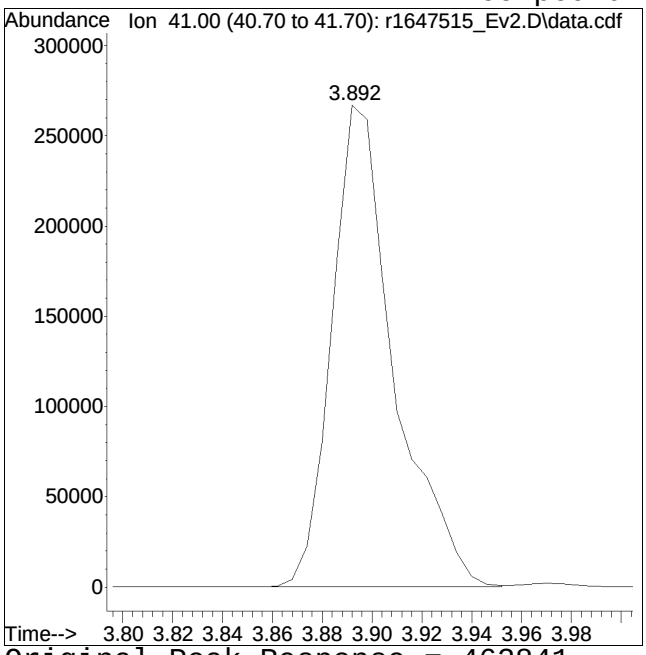
Quant Time: Dec 20 05:41:13 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 05:38:47 2024
Response via : Initial Calibration



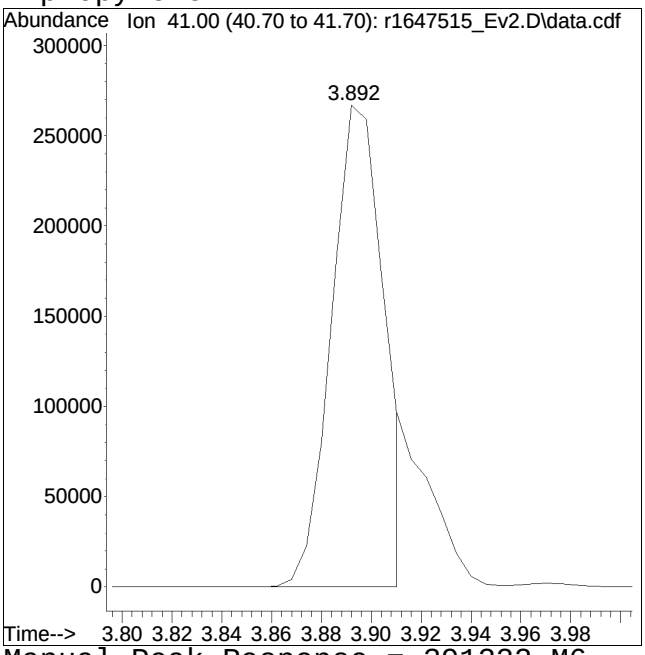
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647515_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/20/2024 1:46 AM Instrument :
Sample : ITO15-LLSTD050 Quant Date : 12/20/2024 5:41 am

Compound #2: propylene



Original Peak Response = 462841



Manual Peak Response = 391222 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647520_Ev2.D
Acq On : 20 Dec 2024 9:48 AM
Operator : AIRLAB16:JMB
Sample : CTO15-SIMSTD5.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 14:35:07 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	95	0.00
2		propylene	0.438	0.456	-4.1	95	0.00
3		dichlorodifluoromethane	0.958	0.937	2.2	92	0.00
4	C	chloromethane	0.516	0.440	14.7	82	0.00
5		Freon-114	1.118	1.092	2.3	99	0.00
6	C	vinyl chloride	0.476	0.431	9.5	93	0.00
7	C	1,3-butadiene	0.399	0.394	1.3	102	0.00
8	C	bromomethane	0.487	0.412	15.4	99	0.00
9	C	chloroethane	0.213	0.203	4.7	97	0.00
10		ethanol	0.351	0.326	7.1	92	0.00
11	C	vinyl bromide	0.416	0.401	3.6	92	0.00
12	C	acrolein	0.354	0.189	46.6#	96	0.00
13		acetone	0.587	0.507	13.6	94	0.00
14		trichlorofluoromethane	0.808	0.800	1.0	79	0.00
15		isopropyl alcohol	1.039	0.929	10.6	87	0.00
16	C	acrylonitrile	0.416	0.472	-13.5	113	0.00
17	C	1,1-dichloroethene	0.806	0.750	6.9	92	0.00
18		tertiary butyl alcohol	0.734	0.746	-1.6	96	0.00
19	C	methylene chloride	0.692	0.750	-8.4	109	0.01
20	C	3-chloropropene	0.765	0.778	-1.7	98	0.00
21	C	carbon disulfide	1.837	1.825	0.7	104	0.00
22		Freon 113	1.181	1.109	6.1	97	0.01
23		trans-1,2-dichloroethene	0.793	0.723	8.8	94	0.00
24	C	1,1-dichloroethane	1.040	0.899	13.6	89	0.00
25	C	MTBE	1.315	1.309	0.5	104	0.00
26	C	vinyl acetate	1.125	1.062	5.6	99	0.00
27	C	2-butanone	1.344	1.285	4.4	93	0.00
28		cis-1,2-dichloroethene	0.767	0.685	10.7	92	0.02
29		Ethyl Acetate	0.184	0.197	-7.1	106	0.00
30	C	chloroform	1.044	0.996	4.6	101	0.00
31		Tetrahydrofuran	0.779	0.741	4.9	92	0.00
32	C	1,2-dichloroethane	0.614	0.474	22.8	81	0.00
33	I	1,4-difluorobenzene	1.000	1.000	0.0	96	0.01
34	C	hexane	0.291	0.314	-7.9	106	0.00
35	s	1,2-dichloroethane-D4	0.210	0.165	21.4	77	0.00
36	C	1,1,1-trichloroethane	0.324	0.261	19.4	86	0.00
37	C	benzene	0.739	0.708	4.2	106	0.01
38	C	carbon tetrachloride	0.288	0.260	9.7	95	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647520_Ev2.D
Acq On : 20 Dec 2024 9:48 AM
Operator : AIRLAB16:JMB
Sample : CTO15-SIMSTD5.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 14:35:07 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39		cyclohexane	0.309	0.349	-12.9	112	0.01
40		Dibromomethane	0.246	0.209	15.0	91	0.00
41	C	1,2-dichloropropane	0.273	0.225	17.6	91	0.01
42		bromodichloromethane	0.364	0.363	0.3	107	0.00
43	C	1,4-dioxane	0.146	0.155	-6.2	110	0.00
44	C	trichloroethene	0.335	0.308	8.1	98	0.01
45	C	2,2,4-trimethylpentane	0.957	1.045	-9.2	108	0.01
46		heptane	0.458	0.460	-0.4	98	0.00
47	C	cis-1,3-dichloropropene	0.332	0.350	-5.4	111	0.00
48	C	4-methyl-2-pentanone	0.553	0.557	-0.7	99	0.00
49		trans-1,3-dichloropropene	0.228	0.256	-12.3	115	0.00
50	C	1,1,2-trichloroethane	0.311	0.274	11.9	96	0.00
51	I	chlorobenzene-D5	1.000	1.000	0.0	88	0.00
52	C	toluene	7.084	6.825	3.7	96	0.00
53	s	toluene-D8	6.729	6.768	-0.6	94	0.02
54		2-hexanone	3.914	4.335	-10.8	97	0.00
55		dibromochloromethane	3.096	3.380	-9.2	105	0.00
56	C	1,2-dibromoethane	3.536	3.800	-7.5	106	0.00
57	C	tetrachloroethene	2.937	2.911	0.9	100	0.00
58		1,1,1,2-tetrachloroethane	2.495	2.403	3.7	95	0.00
59	C	chlorobenzene	5.679	6.278	-10.5	108	0.00
60	C	ethylbenzene	9.094	8.658	4.8	94	0.00
61	C	m+p-xylene	7.367	6.991	5.1	96	0.00
62	C	bromoform	2.396	2.657	-10.9	108	0.00
63	C	styrene	5.978	6.495	-8.6	108	0.00
64	C	1,1,2,2-tetrachloroethane	5.104	5.633	-10.4	105	0.00
65	C	o-xylene	7.592	7.289	4.0	97	0.00
66		1,2,3-Trichloropropane	3.701	4.210	-13.8	107	0.00
67	s	bromofluorobenzene	4.638	4.717	-1.7	93	0.00
68	C	isopropylbenzene	8.844	10.761	-21.7	109	0.00
69		Bromobenzene	4.776	5.461	-14.3	109	0.00
70		4-ethyl toluene	8.909	11.479	-28.8	114	0.00
71		1,3,5-trimethylbenzene	8.139	9.705	-19.2	113	0.00
72		tert-butylbenzene	8.039	9.381	-16.7	102	0.00
73		1,2,4-trimethylbenzene	8.338	9.636	-15.6	110	0.00
74	C	Benzyl Chloride	2.864	3.927	-37.1#	114	0.00
75		1,3-dichlorobenzene	5.668	7.419	-30.9#	110	0.00
76	C	1,4-dichlorobenzene	5.668	7.160	-26.3	109	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647520_Ev2.D
Acq On : 20 Dec 2024 9:48 AM
Operator : AIRLAB16:JMB
Sample : CTO15-SIMSTD5.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 14:35:07 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
77		sec-butylbenzene	11.253	13.838	-23.0	108	0.00
78		p-isopropyltoluene	9.509	10.557	-11.0	96	0.00
79		1,2-dichlorobenzene	5.582	6.991	-25.2	108	0.00
80		n-butylbenzene	8.184	9.861	-20.5	100	0.00
81		1,2-dibromo-3-chloropropane	1.636	2.075	-26.8	107	0.00
82	C	1,2,4-trichlorobenzene	2.214	3.075	-38.9#	99	0.04
83		naphthalene	7.887	10.245	-29.9	101	0.06
84		1,2,3-trichlorobenzene	2.312	3.095	-33.9#	106	0.06
85	C	hexachlorobutadiene	2.601	2.905	-11.7	102	0.06

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 3

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647520_Ev2.D
Acq On : 20 Dec 2024 9:48 AM
Operator : AIRLAB16:JMB
Sample : CTO15-SIMSTD5.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 14:35:07 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.067	49	190348	10.000	ppbV	0.00
Standard Area = 199429			Recovery = 95.45%			
33) 1,4-difluorobenzene	11.287	114	557141	10.000	ppbV	0.01
Standard Area = 578636			Recovery = 96.29%			
51) chlorobenzene-D5	15.975	54	63825	10.000	ppbV	0.00
Standard Area = 72243			Recovery = 88.35%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.925	65	92163	7.863	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 78.63%			
53) toluene-D8	14.125	98	431952	10.057	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.57%			
67) bromofluorobenzene	17.317	95	301051	10.170	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.70%			
Target Compounds						Qvalue
2) propylene	3.904	41	43401M6	5.200	ppbV	
3) dichlorodifluoromethane	3.982	85	89180	4.891	ppbV	99
4) chloromethane	4.144	50	41924	4.267	ppbV	98
5) Freon-114	4.252	85	103900	4.881	ppbV	97
6) vinyl chloride	4.372	62	41001	4.529	ppbV	99
7) 1,3-butadiene	4.516	54	37500	4.935	ppbV	96
8) bromomethane	4.798	94	39182	4.223	ppbV	99
9) chloroethane	4.990	64	19302	4.754	ppbV	96
10) ethanol	5.116	31	154917	23.179	ppbV	89
11) vinyl bromide	5.367	106	38176	4.823	ppbV	99
12) acrolein	5.493	56	18025	2.674	ppbV	98
13) acetone	5.630	43	241410	21.594	ppbV	91
14) trichlorofluoromethane	5.827	101	76116	4.952	ppbV	98
15) isopropyl alcohol	5.907	45	221101	11.176	ppbV	100
16) acrylonitrile	6.150	53	44899	5.666	ppbV	99
17) 1,1-dichloroethene	6.522	61	71358	4.653	ppbV	97
18) tertiary butyl alcohol	6.564	59	70973	5.078	ppbV	93
19) methylene chloride	6.666	49	71405	5.418	ppbV	98
20) 3-chloropropene	6.792	41	74057	5.088	ppbV #	92
21) carbon disulfide	6.966	76	173738	4.968	ppbV #	93
22) Freon 113	6.966	101	105540	4.694	ppbV	94
23) trans-1,2-dichloroethene	7.708	61	68816	4.561	ppbV	97
24) 1,1-dichloroethane	7.933	63	85532	4.322	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647520_Ev2.D
Acq On : 20 Dec 2024 9:48 AM
Operator : AIRLAB16:JMB
Sample : CTO15-SIMSTD5.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 14:35:07 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	8.000	73	124587	4.977	ppbV		96
26) vinyl acetate	8.108	43	101046	4.718	ppbV		97
27) 2-butanone	8.367	43	122267	4.780	ppbV		95
28) cis-1,2-dichloroethene	8.883	61	65180	4.464	ppbV		89
29) Ethyl Acetate	9.142	61	18705	5.354	ppbV		82
30) chloroform	9.217	83	94785	4.771	ppbV		96
31) Tetrahydrofuran	9.650	42	70482	4.751	ppbV		91
32) 1,2-dichloroethane	10.050	62	45157	3.861	ppbV	#	91
34) hexane	9.125	57	87556	5.398	ppbV		81
36) 1,1,1-trichloroethane	10.342	97	72607	4.026	ppbV		98
37) benzene	10.867	78	197124	4.788	ppbV		99
38) carbon tetrachloride	11.033	117	72486	4.510	ppbV		99
39) cyclohexane	11.180	56	97094	5.643	ppbV		92
40) Dibromomethane	11.773	93	58117	4.233	ppbV	#	94
41) 1,2-dichloropropane	11.807	63	62614	4.118	ppbV		96
42) bromodichloromethane	12.033	83	101178	4.991	ppbV		98
43) 1,4-dioxane	12.067	88	43067	5.279	ppbV		100
44) trichloroethene	12.087	130	85758	4.593	ppbV		98
45) 2,2,4-trimethylpentane	12.133	57	291234	5.463	ppbV		92
46) heptane	12.440	43	128205	5.026	ppbV		95
47) cis-1,3-dichloropropene	13.092	75	97424	5.274	ppbV	#	90
48) 4-methyl-2-pentanone	13.125	43	155038	5.032	ppbV		95
49) trans-1,3-dichloropropene	13.717	75	71409	5.625	ppbV	#	91
50) 1,1,2-trichloroethane	13.917	97	76398	4.412	ppbV		91
52) toluene	14.233	91	217810	4.818	ppbV		99
54) 2-hexanone	14.508	43	138344	5.538	ppbV		96
55) dibromochloromethane	14.675	129	107876	5.460	ppbV		99
56) 1,2-dibromoethane	14.925	107	121265	5.373	ppbV		98
57) tetrachloroethene	15.383	166	92884	4.956	ppbV		94
58) 1,1,1,2-tetrachloroethane	16.000	131	76670	4.815	ppbV		98
59) chlorobenzene	16.017	112	200337	5.527	ppbV		99
60) ethylbenzene	16.350	91	276313	4.760	ppbV		93
61) m+p-xylene	16.508	91	446214	9.491	ppbV		93
62) bromoform	16.575	173	84799	5.546	ppbV		98
63) styrene	16.825	104	207280	5.433	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.917	83	179769	5.519	ppbV		98
65) o-xylene	16.917	91	232597	4.800	ppbV		92
66) 1,2,3-Trichloropropane	17.025	75	134363	5.689	ppbV	#	96
68) isopropylbenzene	17.433	105	343405	6.083	ppbV		98
69) Bromobenzene	17.508	77	174274	5.718	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647520_Ev2.D
Acq On : 20 Dec 2024 9:48 AM
Operator : AIRLAB16:JMB
Sample : CTO15-SIMSTD5.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 14:35:07 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\r1647512_Ev2.D
Sub List : Default - All compounds listed

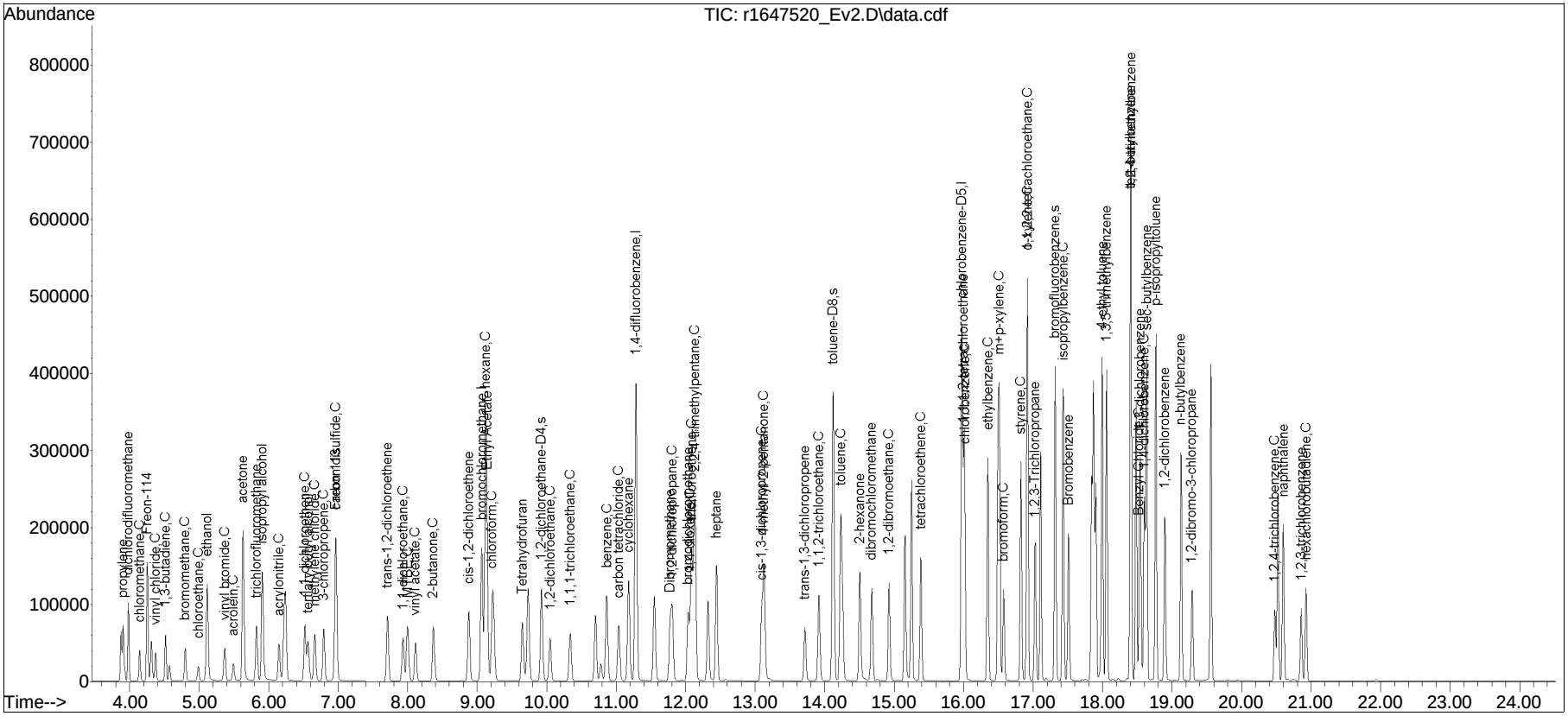
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.992	105	366334	6.443	ppbV	96
71) 1,3,5-trimethylbenzene	18.058	105	309714	5.962	ppbV	97
72) tert-butylbenzene	18.400	119	299375	5.835	ppbV	97
73) 1,2,4-trimethylbenzene	18.408	105	307513	5.779	ppbV	92
74) Benzyl Chloride	18.525	91	125317	6.854	ppbV	97
75) 1,3-dichlorobenzene	18.542	146	236753	6.544	ppbV	99
76) 1,4-dichlorobenzene	18.600	146	228489	6.316	ppbV	99
77) sec-butylbenzene	18.633	105	441610	6.148	ppbV	97
78) p-isopropyltoluene	18.767	119	336905	5.551	ppbV	97
79) 1,2-dichlorobenzene	18.892	146	223113	6.262	ppbV	93
80) n-butylbenzene	19.125	91	314703	6.025	ppbV	96
81) 1,2-dibromo-3-chloropr...	19.283	75	66208	6.340	ppbV	93
82) 1,2,4-trichlorobenzene	20.475	180	98132	6.946	ppbV	95
83) naphthalene	20.600	128	326928M3	6.494	ppbV	
84) 1,2,3-trichlorobenzene	20.858	180	98769	6.693	ppbV	97
85) hexachlorobutadiene	20.925	225	92706	5.584	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default - All compounds listed2\1219SIM_I\r1647512_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\
Data File : r1647520_Ev2.D
Acq On : 20 Dec 2024 9:48 AM
Operator : AIRLAB16:JMB
Sample : CTO15-SIMSTD5.0
Misc : WG2011938
ALS Vial : 0 Sample Multiplier: 1

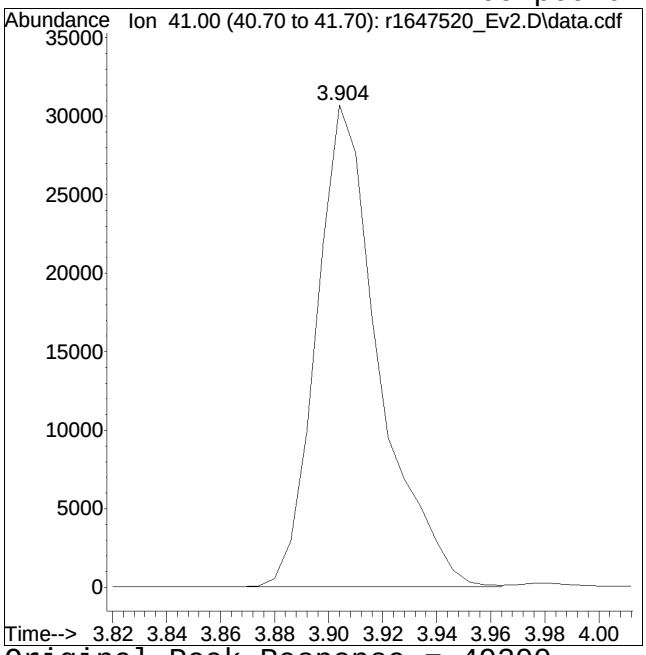
Quant Time: Dec 20 14:35:07 2024
Quant Method : X:\Airlab\Data\Airlab16\2024\12\1219SIM_I\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration



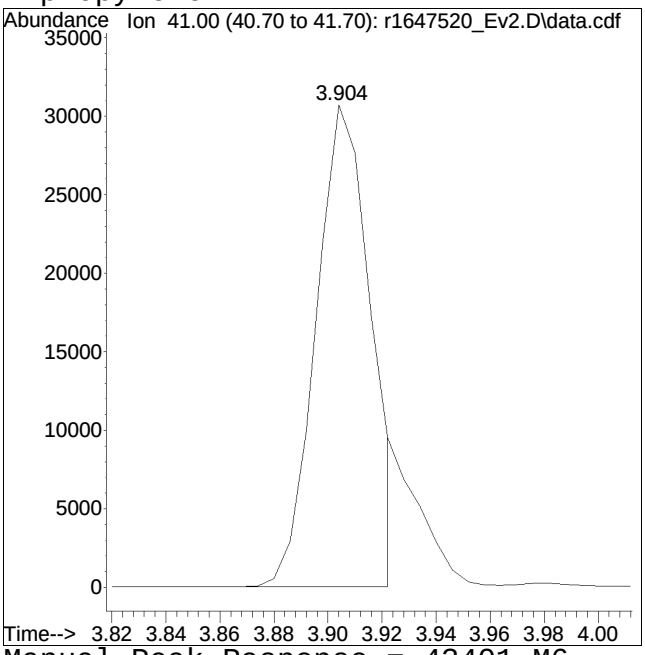
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647520_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/20/2024 9:48 AM Instrument :
Sample : CTO15-SIMSTD5.0 Quant Date : 12/20/2024 2:35 pm

Compound #2: propylene



Original Peak Response = 49200



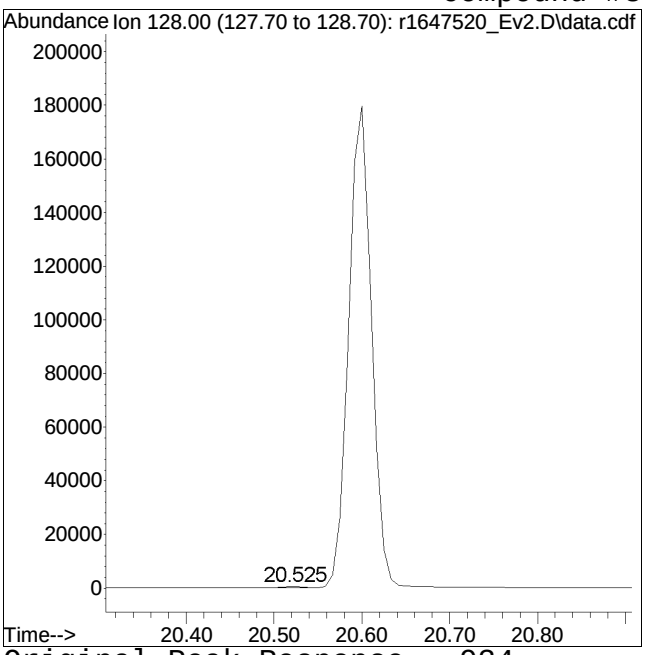
Manual Peak Response = 43401 M6

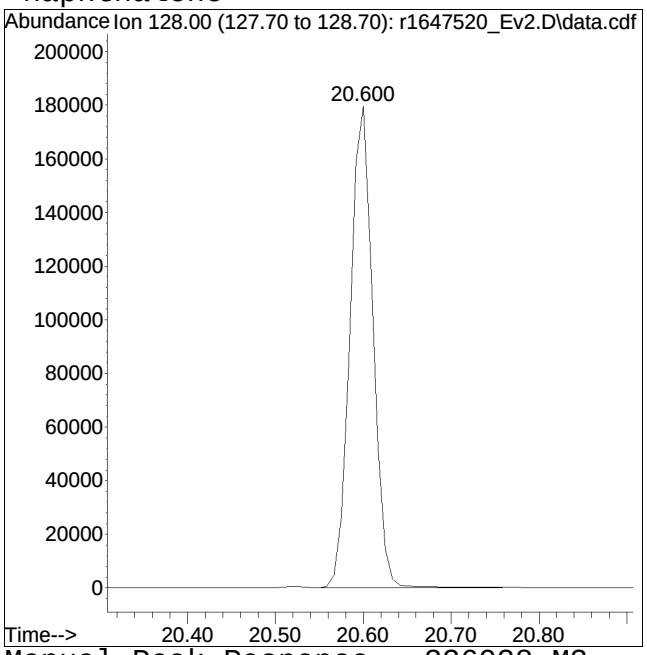
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647520_Ev2.D Operator : AIRLAB16:JMB
Date Inj'd : 12/20/2024 9:48 AM Instrument :
Sample : CTO15-SIMSTD5.0 Quant Date : 12/20/2024 2:35 pm

Compound #83: naphthalene





Original Peak Response = 934 Manual Peak Response = 326928 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Continuing Calibration

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525		
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10		
Instrument ID	: AIRLAB16	**Calibration Date**	: 01/18/25 11:38		
Lab File ID	: R1647983_EV2	**Init. Calib. Date(s)**	: 12/19/24	12/20/24	
Sample No	: WG2021065-2	**Init. Calib. Times**	: 19:44	01:46	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	86	.02
propylene	0.438	0.478	-	-9.1	30	90	0
dichlorodifluoromethane	0.958	1.086	-	-13.4	30	96	0
chloromethane	0.516	0.459	-	11	30	76	0
Freon-114	1.118	1.193	-	-6.7	30	97	0
vinyl chloride	0.476	0.451	-	5.3	30	88	0
1,3-butadiene	0.399	0.406	-	-1.8	30	95	0
bromomethane	0.487	0.432	-	11.3	30	93	0
chloroethane	0.213	0.216	-	-1.4	30	93	0
ethanol	0.351	0.395	-	-12.5	30	100	.01
vinyl bromide	0.416	0.441	-	-6	30	91	0
acrolein	0.354	0.218	-	38.4*	30	99	.01
acetone	0.587	0.711	-	-21.1	30	118	0
trichlorofluoromethane	0.808	0.863	-	-6.8	30	76	.01
isopropyl alcohol	1.039	0.797	-	23.3	30	67	.01
acrylonitrile	0.416	0.442	-	-6.3	30	95	.01
1,1-dichloroethene	0.806	0.779	-	3.3	30	86	.01
tertiary butyl alcohol	0.734	0.831	-	-13.2	30	96	.02
methylene chloride	0.692	0.694	-	-0.3	30	91	.02
3-chloropropene	0.765	0.808	-	-5.6	30	92	.02
carbon disulfide	1.837	1.721	-	6.3	30	88	.02
Freon 113	1.181	1.181	-	0	30	93	.02
trans-1,2-dichloroethene	0.793	0.8	-	-0.9	30	93	.02
1,1-dichloroethane	1.04	0.984	-	5.4	30	88	.02
MTBE	1.315	1.284	-	2.4	30	92	.02
vinyl acetate	1.125	1.037	-	7.8	30	87	.03
2-butanone	1.344	1.384	-	-3	30	90	.03
cis-1,2-dichloroethene	0.767	0.737	-	3.9	30	88	.03
Ethyl Acetate	0.184	0.207	-	-12.5	30	100	.03
chloroform	1.044	1.024	-	1.9	30	94	.02
Tetrahydrofuran	0.779	0.789	-	-1.3	30	88	.02
1,2-dichloroethane	0.614	0.599	-	2.4	30	92	.03
1,4-difluorobenzene	1	1	-	0	30	87	.03
hexane	0.291	0.313	-	-7.6	30	96	.03
1,1,1-trichloroethane	0.324	0.303	-	6.5	30	91	.02
benzene	0.739	0.637	-	13.8	30	86	.03
carbon tetrachloride	0.288	0.31	-	-7.6	30	103	.03
cyclohexane	0.309	0.323	-	-4.5	30	94	.03
Dibromomethane	0.246	0.243	-	1.2	30	96	.03
1,2-dichloropropane	0.273	0.233	-	14.7	30	85	.03
bromodichloromethane	0.364	0.383	-	-5.2	30	102	.03
1,4-dioxane	0.146	0.157	-	-7.5	30	101	.03
trichloroethene	0.335	0.322	-	3.9	30	93	.03

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Keystone Environmental Services	**Lab Number**	: L2500525		
Project Name	: BINGHAMTON PLAZA	**Project Number**	: 0426.01214.10		
Instrument ID	: AIRLAB16	**Calibration Date**	: 01/18/25 11:38		
Lab File ID	: R1647983_EV2	**Init. Calib. Date(s)**	: 12/19/24	12/20/24	
Sample No	: WG2021065-2	**Init. Calib. Times**	: 19:44	01:46	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2,2,4-trimethylpentane	0.957	1.04	-	-8.7	30	97	.03
heptane	0.458	0.482	-	-5.2	30	93	.03
cis-1,3-dichloropropene	0.332	0.315	-	5.1	30	90	.03
4-methyl-2-pentanone	0.553	0.579	-	-4.7	30	93	.03
trans-1,3-dichloropropene	0.228	0.239	-	-4.8	30	97	.02
1,1,2-trichloroethane	0.311	0.281	-	9.6	30	89	.03
chlorobenzene-D5	1	1	-	0	30	89	.03
toluene	7.084	5.998	-	15.3	30	85	.03
2-hexanone	3.914	4.07	-	-4	30	92	.03
dibromochloromethane	3.096	3.496	-	-12.9	30	109	.03
1,2-dibromoethane	3.536	3.309	-	6.4	30	92	.03
tetrachloroethene	2.937	2.662	-	9.4	30	92	.03
1,1,1,2-tetrachloroethane	2.495	2.591	-	-3.8	30	103	.02
chlorobenzene	5.679	5.176	-	8.9	30	90	.03
ethylbenzene	9.094	7.866	-	13.5	30	86	.03
m+p-xylene	7.367	6.466	-	12.2	30	89	.03
bromoform	2.396	2.851	-	-19	30	116	.03
styrene	5.978	5.32	-	11	30	89	.03
1,1,2,2-tetrachloroethane	5.104	4.859	-	4.8	30	91	.03
o-xylene	7.592	6.693	-	11.8	30	89	.04
1,2,3-Trichloropropane	3.701	3.736	-	-0.9	30	95	.03
isopropylbenzene	8.844	9.393	-	-6.2	30	96	.03
Bromobenzene	4.776	4.768	-	0.2	30	95	.04
4-ethyl toluene	8.909	9.605	-	-7.8	30	96	.04
1,3,5-trimethylbenzene	8.139	7.983	-	1.9	30	93	.03
tert-butylbenzene	8.039	8.661	-	-7.7	30	95	.03
1,2,4-trimethylbenzene	8.338	7.925	-	5	30	91	.03
Benzyl Chloride	2.864	3.555	-	-24.1	30	103	.03
1,3-dichlorobenzene	5.668	6.347	-	-12	30	95	.03
1,4-dichlorobenzene	5.668	6.122	-	-8	30	94	.03
sec-butylbenzene	11.253	12.306	-	-9.4	30	97	.03
p-isopropyltoluene	9.509	10.947	-	-15.1	30	100	.03
1,2-dichlorobenzene	5.582	5.918	-	-6	30	92	.03
n-butylbenzene	8.184	9.073	-	-10.9	30	92	.03
1,2-dibromo-3-chloropropan	1.636	2.007	-	-22.7	30	104	.03
1,2,4-trichlorobenzene	2.214	2.539	-	-14.7	30	82	.05
naphthalene	7.887	10.833	-	-37.4*	30	107	.06
1,2,3-trichlorobenzene	2.312	3.307	-	-43*	30	114	.06
hexachlorobutadiene	2.601	2.85	-	-9.6	30	100	.06

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647983_Ev2.D
Acq On : 18 Jan 2025 11:38 AM
Operator : AIRLAB16:BJB
Sample : WG2021065-2,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:50:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	86	0.02
2		propylene	0.438	0.478	-9.1	90	0.00
3		dichlorodifluoromethane	0.958	1.086	-13.4	96	0.00
4	C	chloromethane	0.516	0.459	11.0	76	0.00
5		Freon-114	1.118	1.193	-6.7	97	0.00
6	C	vinyl chloride	0.476	0.451	5.3	88	0.00
7	C	1,3-butadiene	0.399	0.406	-1.8	95	0.00
8	C	bromomethane	0.487	0.432	11.3	93	0.00
9	C	chloroethane	0.213	0.216	-1.4	93	0.00
10		ethanol	0.351	0.395	-12.5	100	0.01
11	C	vinyl bromide	0.416	0.441	-6.0	91	0.00
12	C	acrolein	0.354	0.218	38.4#	99	0.01
13		acetone	0.587	0.711	-21.1	118	0.00
14		trichlorofluoromethane	0.808	0.863	-6.8	76	0.01
15		isopropyl alcohol	1.039	0.797	23.3	67	0.01
16	C	acrylonitrile	0.416	0.442	-6.3	95	0.01
17	C	1,1-dichloroethene	0.806	0.779	3.3	86	0.01
18		tertiary butyl alcohol	0.734	0.831	-13.2	96	0.02
19	C	methylene chloride	0.692	0.694	-0.3	91	0.02
20	C	3-chloropropene	0.765	0.808	-5.6	92	0.02
21	C	carbon disulfide	1.837	1.721	6.3	88	0.02
22		Freon 113	1.181	1.181	0.0	93	0.02
23		trans-1,2-dichloroethene	0.793	0.800	-0.9	93	0.02
24	C	1,1-dichloroethane	1.040	0.984	5.4	88	0.02
25	C	MTBE	1.315	1.284	2.4	92	0.02
26	C	vinyl acetate	1.125	1.037	7.8	87	0.03
27	C	2-butanone	1.344	1.384	-3.0	90	0.03
28		cis-1,2-dichloroethene	0.767	0.737	3.9	88	0.03
29		Ethyl Acetate	0.184	0.207	-12.5	100	0.03
30	C	chloroform	1.044	1.024	1.9	94	0.02
31		Tetrahydrofuran	0.779	0.789	-1.3	88	0.02
32	C	1,2-dichloroethane	0.614	0.599	2.4	92	0.03
33	I	1,4-difluorobenzene	1.000	1.000	0.0	87	0.03
34	C	hexane	0.291	0.313	-7.6	96	0.03
36	C	1,1,1-trichloroethane	0.324	0.303	6.5	91	0.02
37	C	benzene	0.739	0.637	13.8	86	0.03
38	C	carbon tetrachloride	0.288	0.310	-7.6	103	0.03
39		cyclohexane	0.309	0.323	-4.5	94	0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647983_Ev2.D
Acq On : 18 Jan 2025 11:38 AM
Operator : AIRLAB16:BJB
Sample : WG2021065-2,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:50:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40		Dibromomethane	0.246	0.243	1.2	96	0.03
41	C	1,2-dichloropropane	0.273	0.233	14.7	85	0.03
42		bromodichloromethane	0.364	0.383	-5.2	102	0.03
43	C	1,4-dioxane	0.146	0.157	-7.5	101	0.03
44	C	trichloroethene	0.335	0.322	3.9	93	0.03
45	C	2,2,4-trimethylpentane	0.957	1.040	-8.7	97	0.03
46		heptane	0.458	0.482	-5.2	93	0.03
47	C	cis-1,3-dichloropropene	0.332	0.315	5.1	90	0.03
48	C	4-methyl-2-pentanone	0.553	0.579	-4.7	93	0.03
49		trans-1,3-dichloropropene	0.228	0.239	-4.8	97	0.02
50	C	1,1,2-trichloroethane	0.311	0.281	9.6	89	0.03
51	I	chlorobenzene-D5	1.000	1.000	0.0	89	0.03
52	C	toluene	7.084	5.998	15.3	85	0.03
54		2-hexanone	3.914	4.070	-4.0	92	0.03
55		dibromochloromethane	3.096	3.496	-12.9	109	0.03
56	C	1,2-dibromoethane	3.536	3.309	6.4	92	0.03
57	C	tetrachloroethene	2.937	2.662	9.4	92	0.03
58		1,1,1,2-tetrachloroethane	2.495	2.591	-3.8	103	0.02
59	C	chlorobenzene	5.679	5.176	8.9	90	0.03
60	C	ethylbenzene	9.094	7.866	13.5	86	0.03
61	C	m+p-xylene	7.367	6.466	12.2	89	0.03
62	C	bromoform	2.396	2.851	-19.0	116	0.03
63	C	styrene	5.978	5.320	11.0	89	0.03
64	C	1,1,2,2-tetrachloroethane	5.104	4.859	4.8	91	0.03
65	C	o-xylene	7.592	6.693	11.8	89	0.04
66		1,2,3-Trichloropropane	3.701	3.736	-0.9	95	0.03
68	C	isopropylbenzene	8.844	9.393	-6.2	96	0.03
69		Bromobenzene	4.776	4.768	0.2	95	0.04
70		4-ethyl toluene	8.909	9.605	-7.8	96	0.04
71		1,3,5-trimethylbenzene	8.139	7.983	1.9	93	0.03
72		tert-butylbenzene	8.039	8.661	-7.7	95	0.03
73		1,2,4-trimethylbenzene	8.338	7.925	5.0	91	0.03
74	C	Benzyl Chloride	2.864	3.555	-24.1	103	0.03
75		1,3-dichlorobenzene	5.668	6.347	-12.0	95	0.03
76	C	1,4-dichlorobenzene	5.668	6.122	-8.0	94	0.03
77		sec-butylbenzene	11.253	12.306	-9.4	97	0.03
78		p-isopropyltoluene	9.509	10.947	-15.1	100	0.03
79		1,2-dichlorobenzene	5.582	5.918	-6.0	92	0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647983_Ev2.D
Acq On : 18 Jan 2025 11:38 AM
Operator : AIRLAB16:BJB
Sample : WG2021065-2,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:50:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	n-butylbenzene	8.184	9.073	-10.9	92	0.03
81	1,2-dibromo-3-chloropropane	1.636	2.007	-22.7	104	0.03
82 C	1,2,4-trichlorobenzene	2.214	2.539	-14.7	82	0.05
83	naphthalene	7.887	10.833	-37.4#	107	0.06
84	1,2,3-trichlorobenzene	2.312	3.307	-43.0#	114	0.06
85 C	hexachlorobutadiene	2.601	2.850	-9.6	100	0.06

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647983_Ev2.D
Acq On : 18 Jan 2025 11:38 AM
Operator : AIRLAB16:BJB
Sample : WG2021065-2,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:50:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118SIM\r1647983_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.075	49	170965	10.000	ppbV	0.02
Standard Area = 170965			Recovery = 100.00%			
33) 1,4-difluorobenzene	11.300	114	504366	10.000	ppbV	0.03
Standard Area = 504366			Recovery = 100.00%			
51) chlorobenzene-D5	15.992	54	64115	10.000	ppbV	0.03
Standard Area = 64115			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
2) propylene	3.904	41	40850M6	5.449	ppbV	
3) dichlorodifluoromethane	3.982	85	92799	5.667	ppbV	99
4) chloromethane	4.144	50	39237	4.447	ppbV	99
5) Freon-114	4.252	85	101978	5.334	ppbV	95
6) vinyl chloride	4.372	62	38543	4.740	ppbV	99
7) 1,3-butadiene	4.516	54	34729	5.088	ppbV	86
8) bromomethane	4.804	94	36893	4.428	ppbV	99
9) chloroethane	4.990	64	18426	5.053	ppbV	99
10) ethanol	5.122	31	168639	28.093	ppbV	90
11) vinyl bromide	5.373	106	37718	5.306	ppbV	100
12) acrolein	5.497	56	18647	3.080	ppbV	95
13) acetone	5.637	43	303884	30.264	ppbV	93
14) trichlorofluoromethane	5.833	101	73735	5.341	ppbV	100
15) isopropyl alcohol	5.917	45	170326	9.586	ppbV	99
16) acrylonitrile	6.157	53	37760	5.305	ppbV	98
17) 1,1-dichloroethene	6.528	61	66628	4.837	ppbV	97
18) tertiary butyl alcohol	6.576	59	71001	5.656	ppbV	94
19) methylene chloride	6.672	49	59320	5.011	ppbV	97
20) 3-chloropropene	6.804	41	69031	5.281	ppbV	96
21) carbon disulfide	6.978	76	147102	4.684	ppbV	99
22) Freon 113	6.972	101	100996	5.001	ppbV	96
23) trans-1,2-dichloroethene	7.717	61	68357	5.045	ppbV	97
24) 1,1-dichloroethane	7.942	63	84079	4.731	ppbV	99
25) MTBE	8.008	73	109723	4.880	ppbV	98
26) vinyl acetate	8.125	43	88685	4.611	ppbV	98
27) 2-butanone	8.383	43	118310	5.149	ppbV	98
28) cis-1,2-dichloroethene	8.892	61	62961	4.801	ppbV	97
29) Ethyl Acetate	9.158	61	17680	5.634	ppbV	76
30) chloroform	9.233	83	87503	4.904	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647983_Ev2.D
Acq On : 18 Jan 2025 11:38 AM
Operator : AIRLAB16:BJB
Sample : WG2021065-2,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:50:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118SIM\r1647983_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
31) Tetrahydrofuran	9.667	42	67410	5.059	ppbV		97
32) 1,2-dichloroethane	10.067	62	51229	4.877	ppbV		97
34) hexane	9.142	57	78883	5.373	ppbV		97
36) 1,1,1-trichloroethane	10.358	97	76351	4.677	ppbV		97
37) benzene	10.880	78	160745	4.313	ppbV		99
38) carbon tetrachloride	11.053	117	78079	5.367	ppbV		99
39) cyclohexane	11.193	56	81565	5.236	ppbV		98
40) Dibromomethane	11.793	93	61174	4.922	ppbV	#	97
41) 1,2-dichloropropane	11.827	63	58859	4.276	ppbV		97
42) bromodichloromethane	12.053	83	96654	5.267	ppbV		98
43) 1,4-dioxane	12.087	88	39567	5.357	ppbV		99
44) trichloroethene	12.100	130	81218	4.805	ppbV		97
45) 2,2,4-trimethylpentane	12.147	57	262366	5.436	ppbV		98
46) heptane	12.460	43	121551	5.264	ppbV		98
47) cis-1,3-dichloropropene	13.117	75	79467	4.752	ppbV		98
48) 4-methyl-2-pentanone	13.142	43	146058	5.237	ppbV		99
49) trans-1,3-dichloropropene	13.733	75	60360	5.252	ppbV		100
50) 1,1,2-trichloroethane	13.933	97	70832	4.519	ppbV		96
52) toluene	14.250	91	192287	4.234	ppbV		100
54) 2-hexanone	14.525	43	130487	5.200	ppbV		99
55) dibromochloromethane	14.700	129	112065	5.646	ppbV		99
56) 1,2-dibromoethane	14.942	107	106092	4.680	ppbV		100
57) tetrachloroethene	15.400	166	85342	4.533	ppbV		99
58) 1,1,1,2-tetrachloroethane	16.017	131	83065	5.193	ppbV		99
59) chlorobenzene	16.033	112	165934	4.557	ppbV		100
60) ethylbenzene	16.367	91	252179	4.325	ppbV		98
61) m+p-xylene	16.533	91	414585	8.778	ppbV		100
62) bromoform	16.600	173	91404	5.950	ppbV		99
63) styrene	16.850	104	170559	4.450	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.942	83	155757	4.760	ppbV		99
65) o-xylene	16.950	91	214553	4.408	ppbV		98
66) 1,2,3-Trichloropropane	17.058	75	119770	5.048	ppbV		99
68) isopropylbenzene	17.458	105	301126	5.310	ppbV		98
69) Bromobenzene	17.542	77	152851	4.992	ppbV		95
70) 4-ethyl toluene	18.025	105	307915	5.391	ppbV		98
71) 1,3,5-trimethylbenzene	18.083	105	255927	4.905	ppbV		99
72) tert-butylbenzene	18.433	119	277648	5.387	ppbV		100
73) 1,2,4-trimethylbenzene	18.433	105	254070	4.753	ppbV		99
74) Benzyl Chloride	18.550	91	113958	6.205	ppbV		96
75) 1,3-dichlorobenzene	18.567	146	203477	5.599	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647983_Ev2.D
Acq On : 18 Jan 2025 11:38 AM
Operator : AIRLAB16:BJB
Sample : WG2021065-2,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:50:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118SIM\r1647983_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

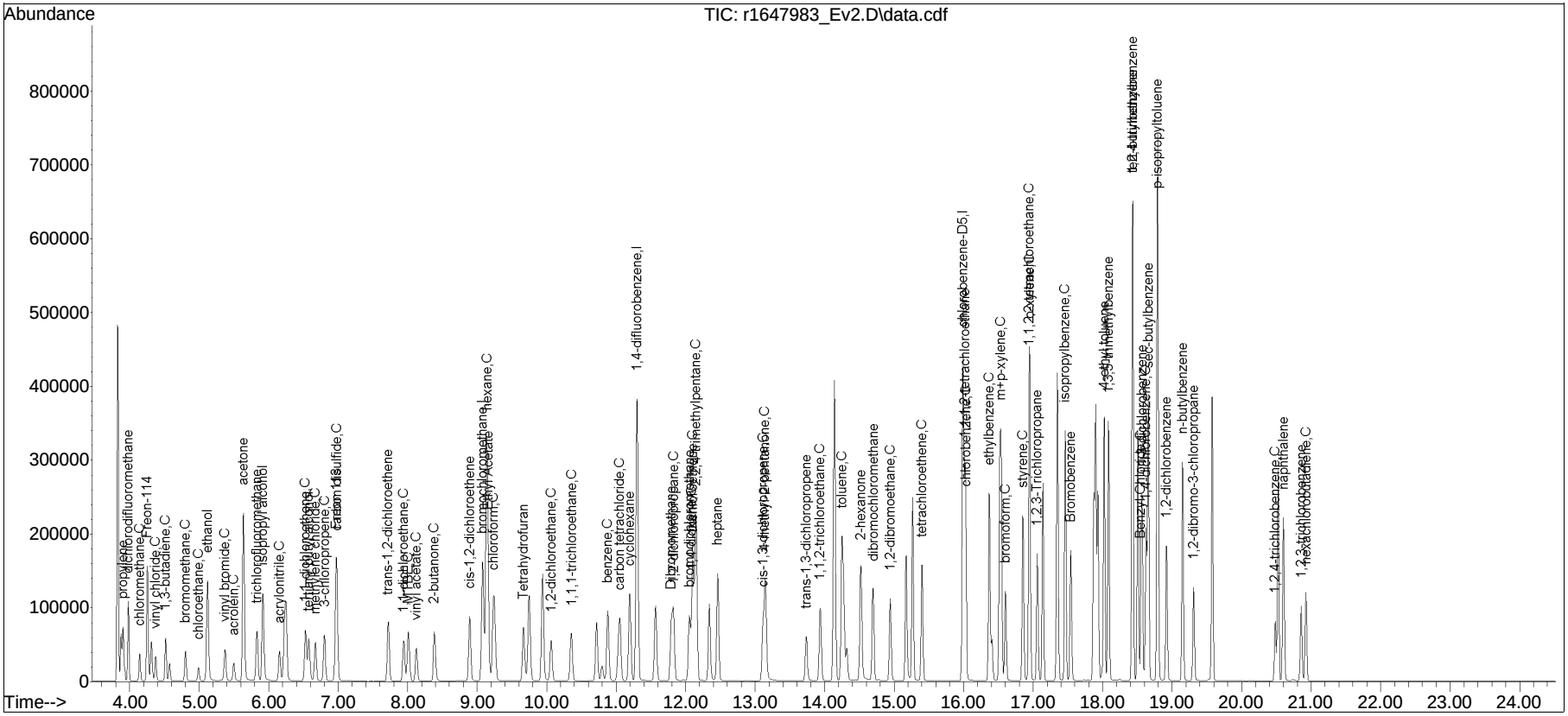
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,4-dichlorobenzene	18.625	146	196266M4	5.401	ppbV	
77) sec-butylbenzene	18.658	105	394507	5.468	ppbV	99
78) p-isopropyltoluene	18.792	119	350918	5.756	ppbV	99
79) 1,2-dichlorobenzene	18.917	146	189730	5.301	ppbV	95
80) n-butylbenzene	19.150	91	290847	5.543	ppbV	95
81) 1,2-dibromo-3-chloropr...	19.308	75	64333	6.132	ppbV	99
82) 1,2,4-trichlorobenzene	20.483	180	81405	5.736	ppbV	98
83) naphthalene	20.600	128	347293M4	6.868	ppbV	
84) 1,2,3-trichlorobenzene	20.858	180	106005	7.151	ppbV	99
85) hexachlorobutadiene	20.925	225	91348	5.477	ppbV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedM\r1647983_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647983_Ev2.D
Acq On : 18 Jan 2025 11:38 AM
Operator : AIRLAB16:BJB
Sample : WG2021065-2,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

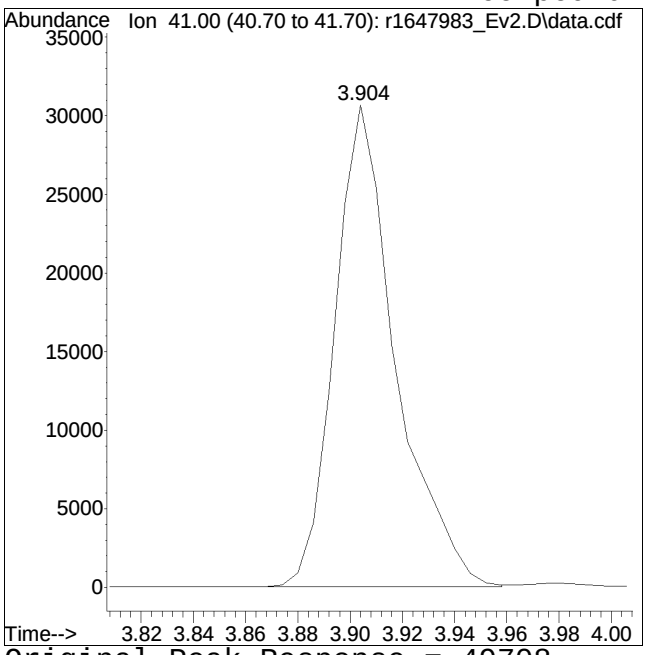
Quant Time: Jan 18 12:50:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration



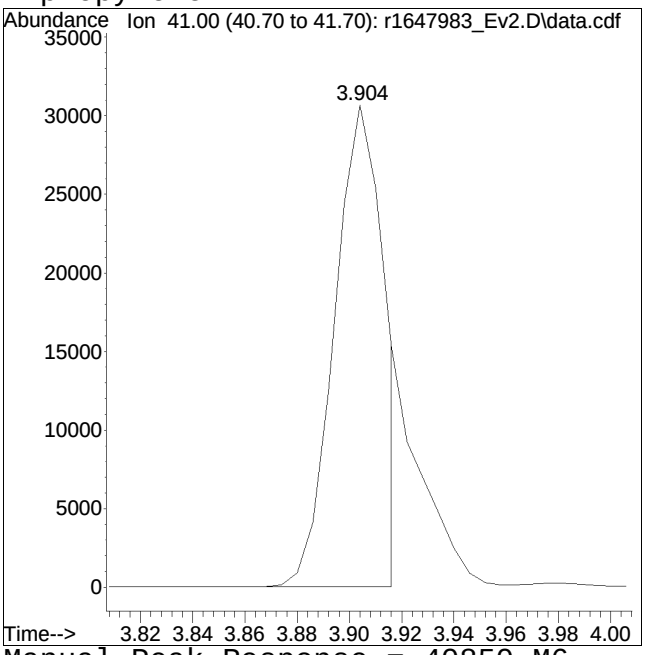
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647983_Ev2.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 11:38 AM Instrument :
Sample : WG2021065-2,3,250,250 Quant Date : 1/18/2025 12:50 pm

Compound #2: propylene



Original Peak Response = 49708



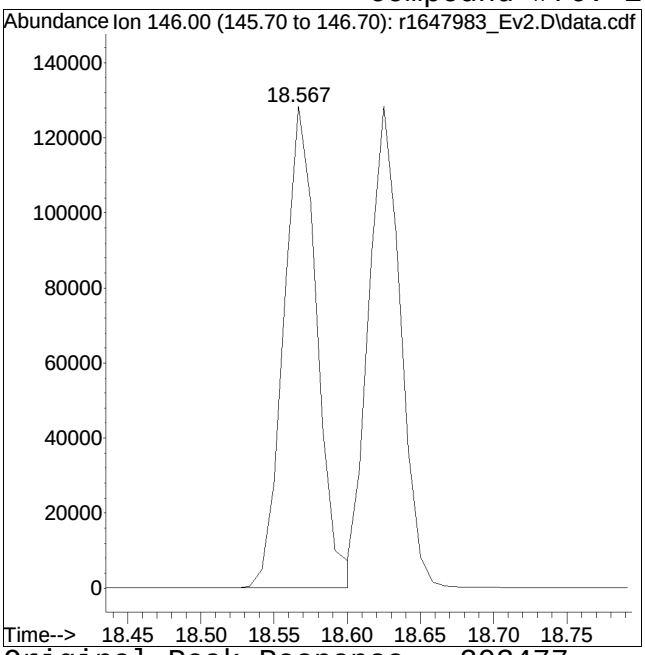
Manual Peak Response = 40850 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

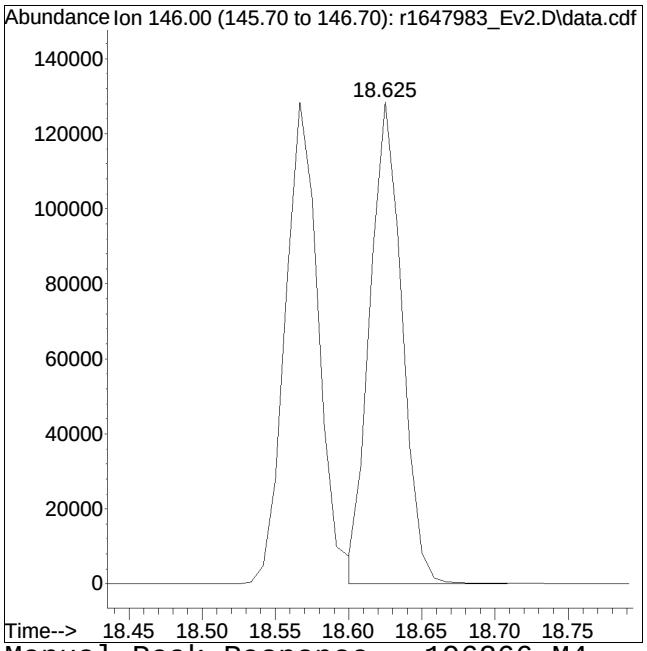
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647983_Ev2.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 11:38 AM Instrument :
Sample : WG2021065-2,3,250,250 Quant Date : 1/18/2025 12:50 pm

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 203477



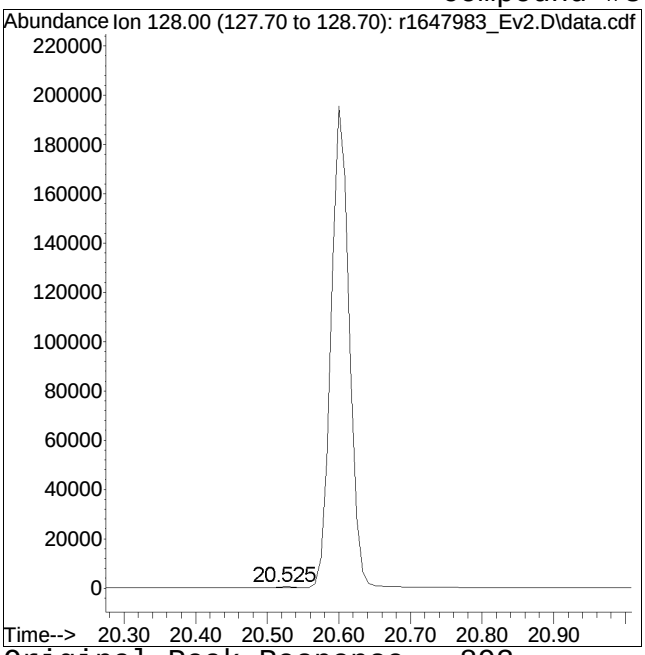
Manual Peak Response = 196266 M4

M4 = Poor automated baseline construction.

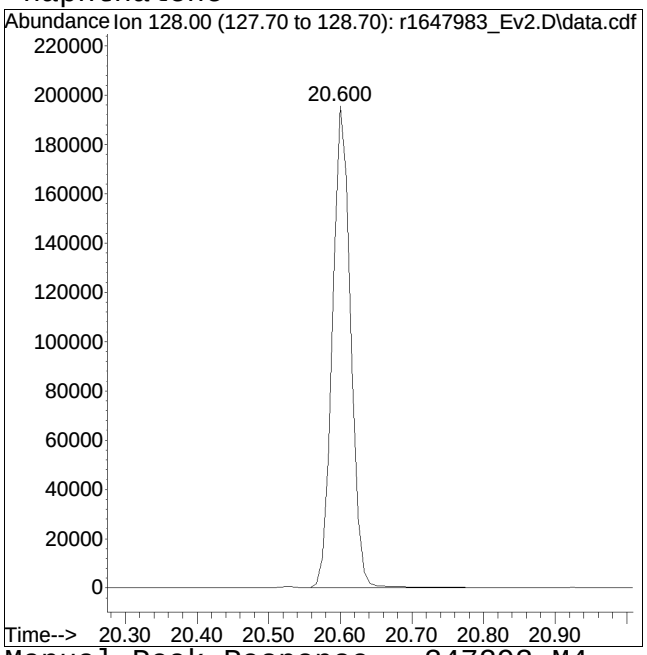
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647983_Ev2.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 11:38 AM Instrument :
Sample : WG2021065-2,3,250,250 Quant Date : 1/18/2025 12:50 pm

Compound #83: naphthalene



Original Peak Response = 893



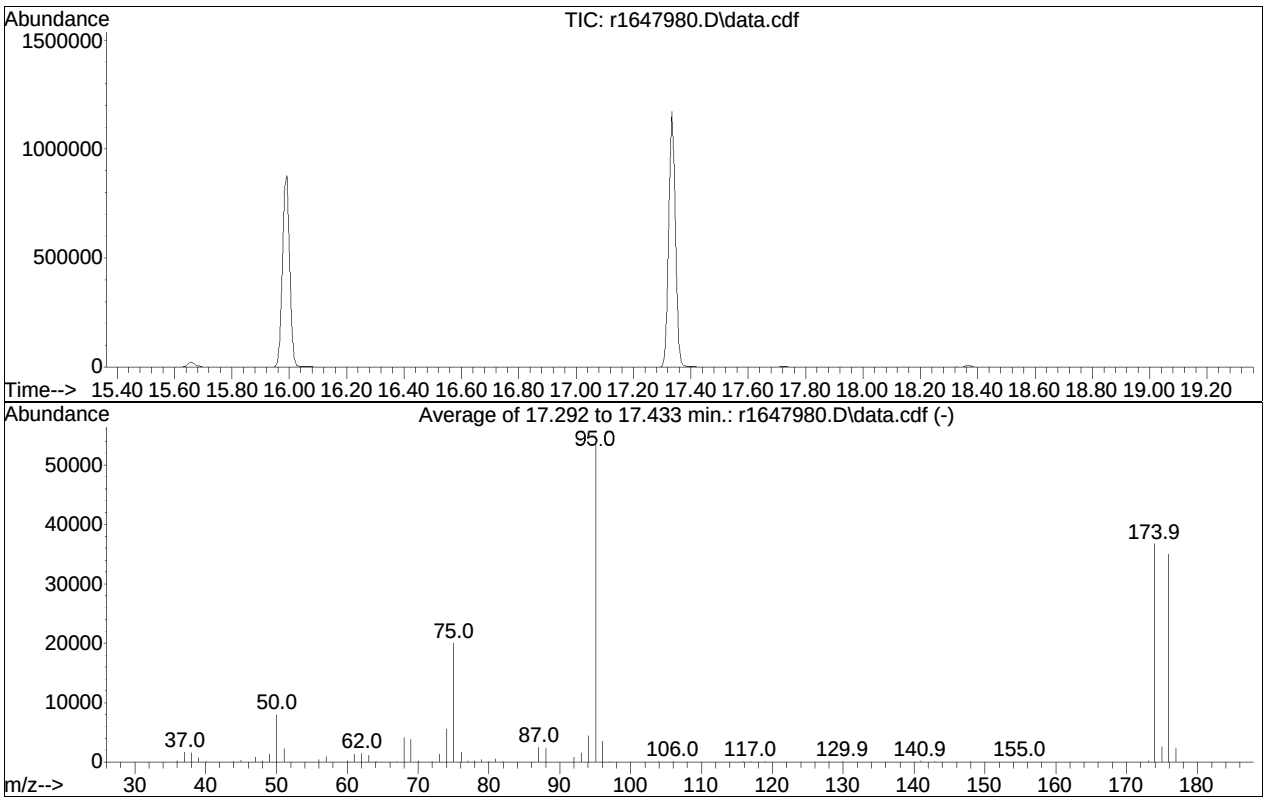
Manual Peak Response = 347293 M4

M4 = Poor automated baseline construction.

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647980.D
Acq On : 18 Jan 2025 10:15 AM
Operator : AIRLAB16:BJB
Sample : WG2021065-1,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Dec 20 14:34:10 2024



Spectrum Information: Average of 17.292 to 17.433 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.8	7972	PASS
75	95	30	66	37.3	20041	PASS
95	95	100	100	100.0	53764	PASS
96	95	5	9	6.6	3539	PASS
173	174	0.00	2	0.6	227	PASS
174	95	50	120	68.4	36771	PASS
175	174	4	9	7.0	2575	PASS
176	174	93	101	95.2	35016	PASS
177	176	5	9	6.7	2343	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647985_Ev2.D
Acq On : 18 Jan 2025 4:53 PM
Operator : AIRLAB16:BJB
Sample : WG2021065-4,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:26:06 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118SIM\r1647983_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

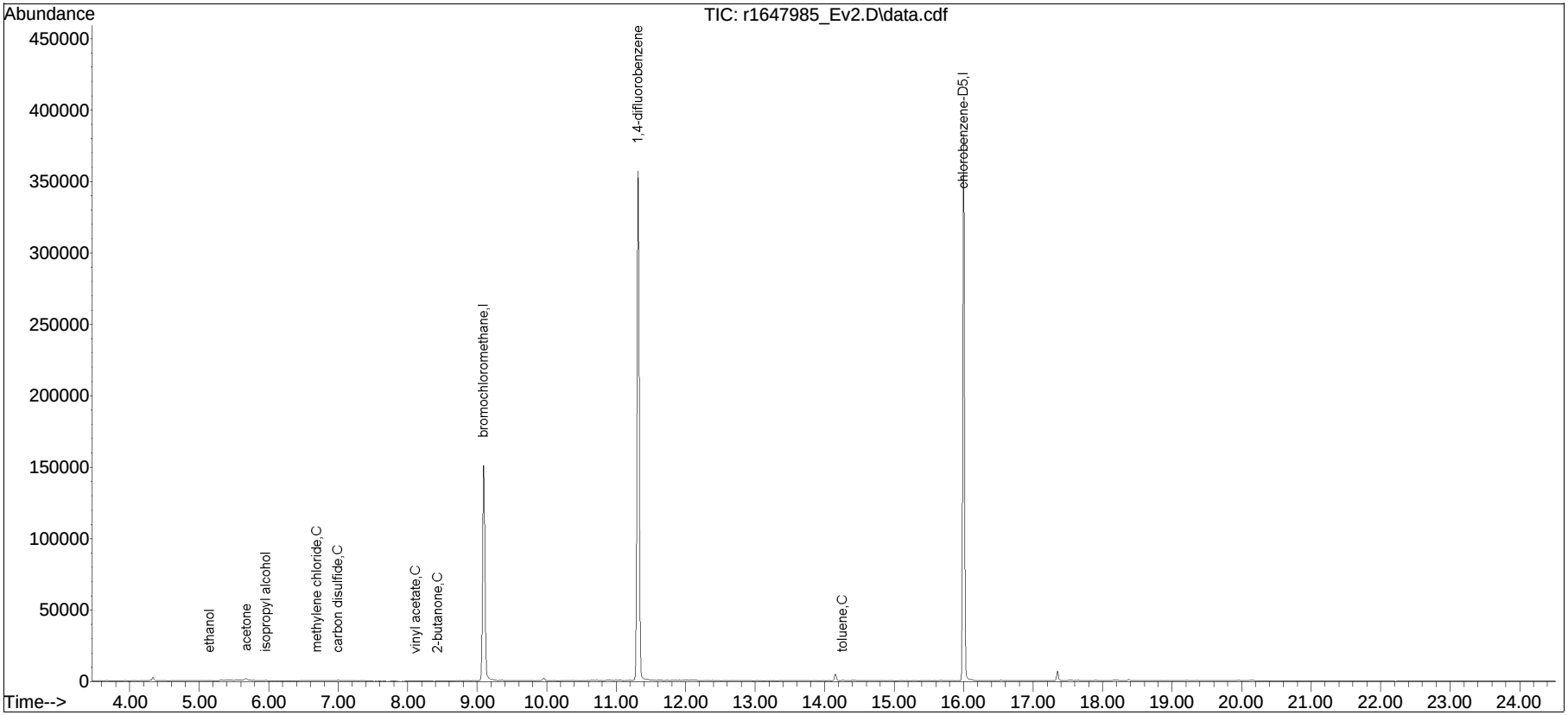
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.092	49	161919	10.000	ppbV	0.03
Standard Area = 170965			Recovery = 94.71%			
33) 1,4-difluorobenzene	11.313	114	471710	10.000	ppbV	0.04
Standard Area = 504366			Recovery = 93.53%			
51) chlorobenzene-D5	16.000	54	58437	10.000	ppbV	0.03
Standard Area = 64115			Recovery = 91.14%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.		
28) cis-1,2-dichloroethene	0.000		0	N.D.		
36) 1,1,1-trichloroethane	0.000		0	N.D.		
38) carbon tetrachloride	0.000		0	N.D.		
44) trichloroethene	0.000		0	N.D.		
57) tetrachloroethene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedM\r1647983_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647985_Ev2.D
Acq On : 18 Jan 2025 4:53 PM
Operator : AIRLAB16:BJB
Sample : WG2021065-4,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:26:06 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647983_Ev2.D
Acq On : 18 Jan 2025 11:38 AM
Operator : AIRLAB16:BJB
Sample : WG2021065-3,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:50:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	bromochloromethane	10.000	10.000	0.0	86	0.02
2		propylene	5.000	5.449	-9.0	90	0.00
3		dichlorodifluoromethane	5.000	5.667	-13.3	96	0.00
4	C	chloromethane	5.000	4.447	11.1	76	0.00
5		Freon-114	5.000	5.334	-6.7	97	0.00
6	C	vinyl chloride	5.000	4.740	5.2	88	0.00
7	C	1,3-butadiene	5.000	5.088	-1.8	95	0.00
8	C	bromomethane	5.000	4.428	11.4	93	0.00
9	C	chloroethane	5.000	5.053	-1.1	93	0.00
10		ethanol	25.000	28.093	-12.4	100	0.01
11	C	vinyl bromide	5.000	5.306	-6.1	91	0.00
12	C	acrolein	5.000	3.080	38.4#	99	0.01
13		acetone	25.000	30.264	-21.1	118	0.00
14		trichlorofluoromethane	5.000	5.341	-6.8	76	0.01
15		isopropyl alcohol	12.500	9.586	23.3	67	0.01
16	C	acrylonitrile	5.000	5.305	-6.1	95	0.01
17	C	1,1-dichloroethene	5.000	4.837	3.3	86	0.01
18		tertiary butyl alcohol	5.000	5.656	-13.1	96	0.02
19	C	methylene chloride	5.000	5.011	-0.2	91	0.02
20	C	3-chloropropene	5.000	5.281	-5.6	92	0.02
21	C	carbon disulfide	5.000	4.684	6.3	88	0.02
22		Freon 113	5.000	5.001	-0.0	93	0.02
23		trans-1,2-dichloroethene	5.000	5.045	-0.9	93	0.02
24	C	1,1-dichloroethane	5.000	4.731	5.4	88	0.02
25	C	MTBE	5.000	4.880	2.4	92	0.02
26	C	vinyl acetate	5.000	4.611	7.8	87	0.03
27	C	2-butanone	5.000	5.149	-3.0	90	0.03
28		cis-1,2-dichloroethene	5.000	4.801	4.0	88	0.03
29		Ethyl Acetate	5.000	5.634	-12.7	100	0.03
30	C	chloroform	5.000	4.904	1.9	94	0.02
31		Tetrahydrofuran	5.000	5.059	-1.2	88	0.02
32	C	1,2-dichloroethane	5.000	4.877	2.5	92	0.03
33	I	1,4-difluorobenzene	10.000	10.000	0.0	87	0.03
34	C	hexane	5.000	5.373	-7.5	96	0.03
36	C	1,1,1-trichloroethane	5.000	4.677	6.5	91	0.02
37	C	benzene	5.000	4.313	13.7	86	0.03
38	C	carbon tetrachloride	5.000	5.367	-7.3	103	0.03
39		cyclohexane	5.000	5.236	-4.7	94	0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647983_Ev2.D
Acq On : 18 Jan 2025 11:38 AM
Operator : AIRLAB16:BJB
Sample : WG2021065-3,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:50:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40		Dibromomethane	5.000	4.922	1.6	96	0.03
41	C	1,2-dichloropropane	5.000	4.276	14.5	85	0.03
42		bromodichloromethane	5.000	5.267	-5.3	102	0.03
43	C	1,4-dioxane	5.000	5.357	-7.1	101	0.03
44	C	trichloroethene	5.000	4.805	3.9	93	0.03
45	C	2,2,4-trimethylpentane	5.000	5.436	-8.7	97	0.03
46		heptane	5.000	5.264	-5.3	93	0.03
47	C	cis-1,3-dichloropropene	5.000	4.752	5.0	90	0.03
48	C	4-methyl-2-pentanone	5.000	5.237	-4.7	93	0.03
49		trans-1,3-dichloropropene	5.000	5.252	-5.0	97	0.02
50	C	1,1,2-trichloroethane	5.000	4.519	9.6	89	0.03
51	I	chlorobenzene-D5	10.000	10.000	0.0	89	0.03
52	C	toluene	5.000	4.234	15.3	85	0.03
54		2-hexanone	5.000	5.200	-4.0	92	0.03
55		dibromochloromethane	5.000	5.646	-12.9	109	0.03
56	C	1,2-dibromoethane	5.000	4.680	6.4	92	0.03
57	C	tetrachloroethene	5.000	4.533	9.3	92	0.03
58		1,1,1,2-tetrachloroethane	5.000	5.193	-3.9	103	0.02
59	C	chlorobenzene	5.000	4.557	8.9	90	0.03
60	C	ethylbenzene	5.000	4.325	13.5	86	0.03
61	C	m+p-xylene	10.000	8.778	12.2	89	0.03
62	C	bromoform	5.000	5.950	-19.0	116	0.03
63	C	styrene	5.000	4.450	11.0	89	0.03
64	C	1,1,2,2-tetrachloroethane	5.000	4.760	4.8	91	0.03
65	C	o-xylene	5.000	4.408	11.8	89	0.04
66		1,2,3-Trichloropropane	5.000	5.048	-1.0	95	0.03
68	C	isopropylbenzene	5.000	5.310	-6.2	96	0.03
69		Bromobenzene	5.000	4.992	0.2	95	0.04
70		4-ethyl toluene	5.000	5.391	-7.8	96	0.04
71		1,3,5-trimethylbenzene	5.000	4.905	1.9	93	0.03
72		tert-butylbenzene	5.000	5.387	-7.7	95	0.03
73		1,2,4-trimethylbenzene	5.000	4.753	4.9	91	0.03
74	C	Benzyl Chloride	5.000	6.205	-24.1	103	0.03
75		1,3-dichlorobenzene	5.000	5.599	-12.0	95	0.03
76	C	1,4-dichlorobenzene	5.000	5.401	-8.0	94	0.03
77		sec-butylbenzene	5.000	5.468	-9.4	97	0.03
78		p-isopropyltoluene	5.000	5.756	-15.1	100	0.03
79		1,2-dichlorobenzene	5.000	5.301	-6.0	92	0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647983_Ev2.D
Acq On : 18 Jan 2025 11:38 AM
Operator : AIRLAB16:BJB
Sample : WG2021065-3,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:50:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
80	n-butylbenzene	5.000	5.543	-10.9	92	0.03
81	1,2-dibromo-3-chloropropane	5.000	6.132	-22.6	104	0.03
82 C	1,2,4-trichlorobenzene	5.000	5.736	-14.7	82	0.05
83	naphthalene	5.000	6.868	-37.4#	107	0.06
84	1,2,3-trichlorobenzene	5.000	7.151	-43.0#	114	0.06
85 C	hexachlorobutadiene	5.000	5.477	-9.5	100	0.06

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647983_Ev2.D
Acq On : 18 Jan 2025 11:38 AM
Operator : AIRLAB16:BJB
Sample : WG2021065-3,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:50:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118SIM\r1647983_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

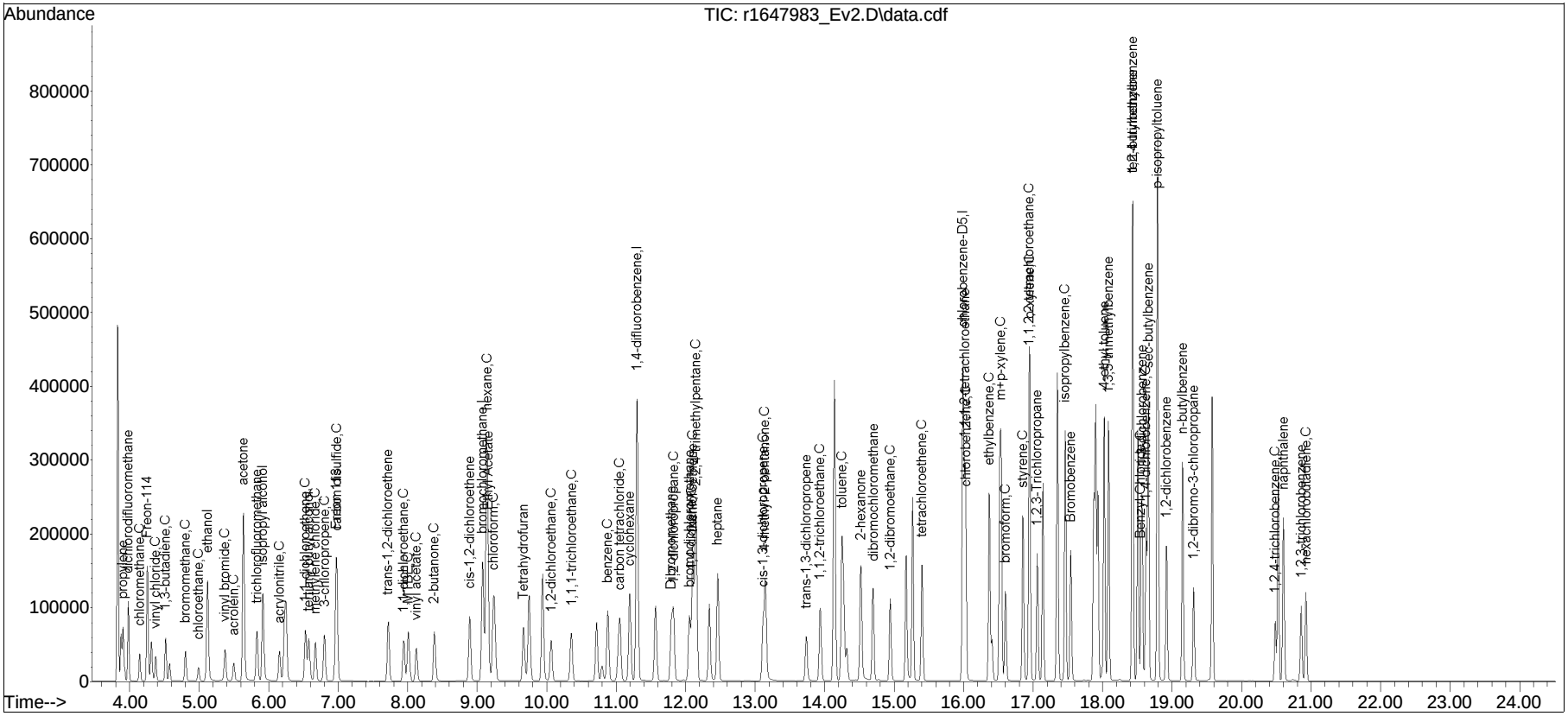
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.075	49	170965	10.000	ppbV	0.02
Standard Area = 170965			Recovery = 100.00%			
33) 1,4-difluorobenzene	11.300	114	504366	10.000	ppbV	0.03
Standard Area = 504366			Recovery = 100.00%			
51) chlorobenzene-D5	15.992	54	64115	10.000	ppbV	0.03
Standard Area = 64115			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	4.372	62	38543	4.740	ppbV	99
17) 1,1-dichloroethene	6.528	61	66628	4.837	ppbV	97
28) cis-1,2-dichloroethene	8.892	61	62961	4.801	ppbV	97
36) 1,1,1-trichloroethane	10.358	97	76351	4.677	ppbV	97
38) carbon tetrachloride	11.053	117	78079	5.367	ppbV	99
44) trichloroethene	12.100	130	81218	4.805	ppbV	97
57) tetrachloroethene	15.400	166	85342	4.533	ppbV	99

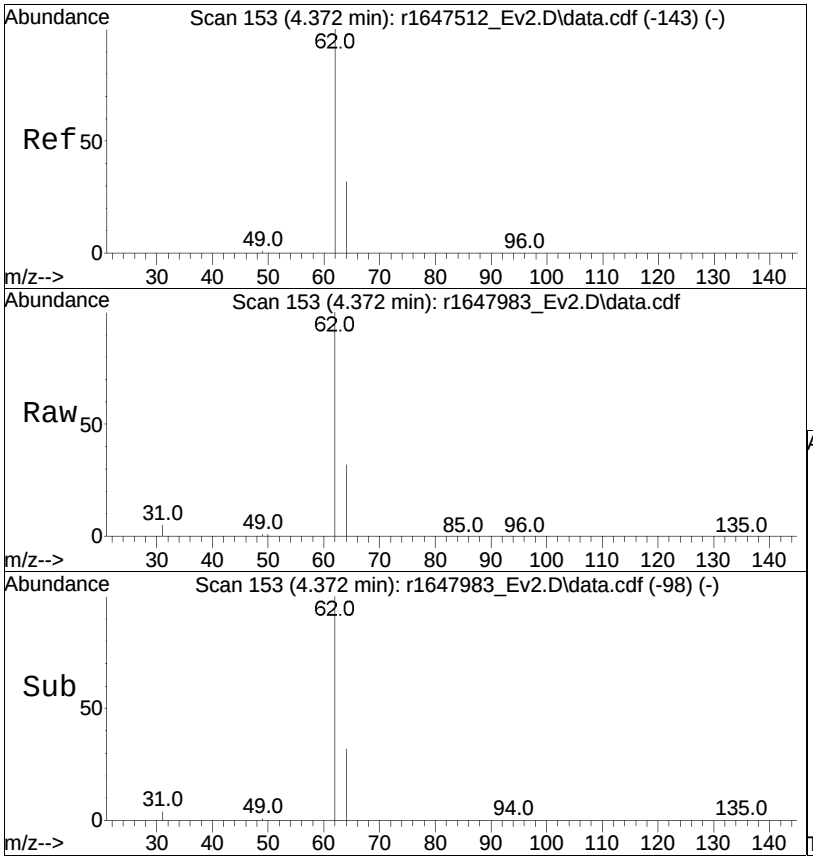
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedM\r1647983_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647983_Ev2.D
Acq On : 18 Jan 2025 11:38 AM
Operator : AIRLAB16:BJB
Sample : WG2021065-3,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 18 12:50:39 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

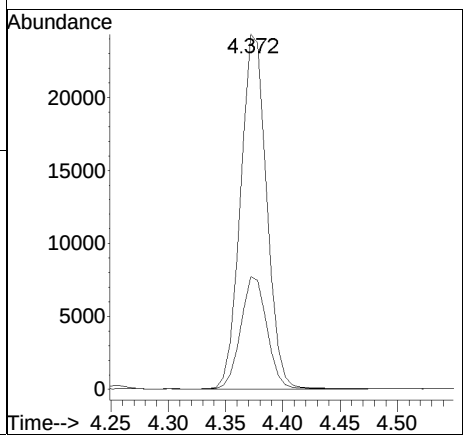


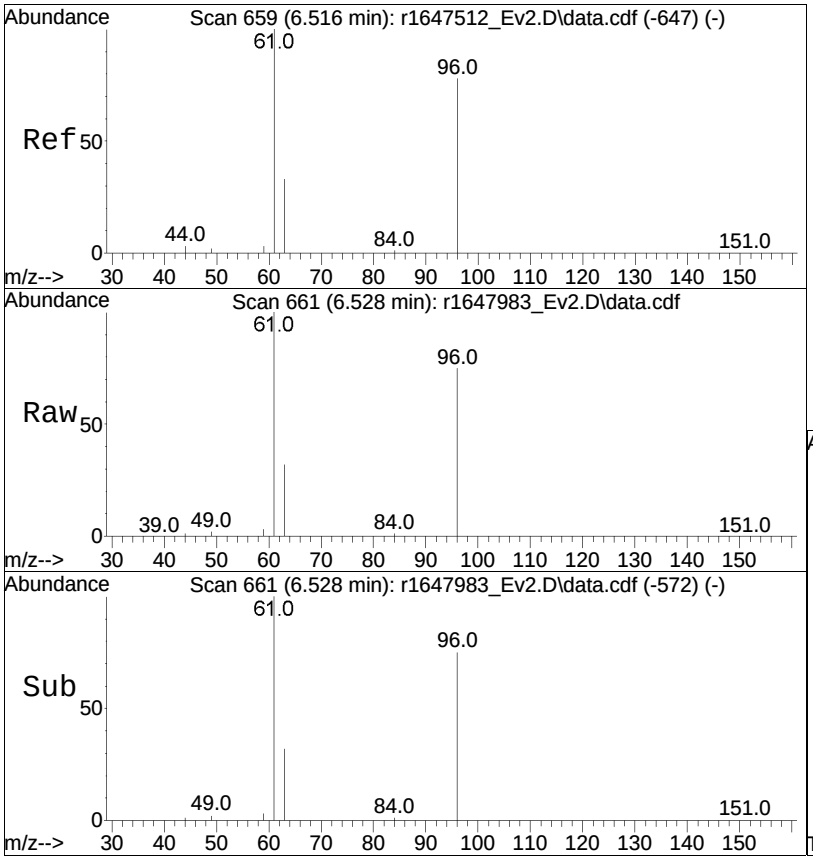


#6
vinyl chloride
Concen: 4.74 ppbV
RT: 4.372 min Scan# 153
Delta R.T. 0.000 min
Lab File: r1647983_Ev2.D
Acq: 18 Jan 2025 11:38 AM

Tgt Ion: 62 Resp: 38543

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.8	38.8

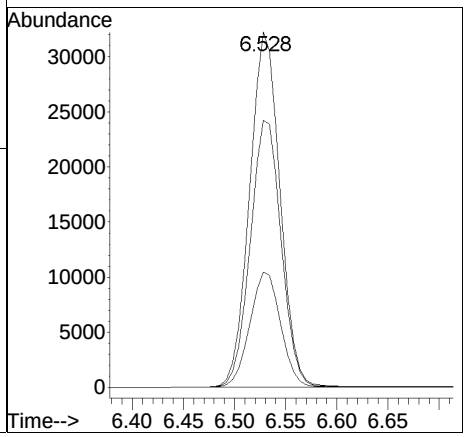


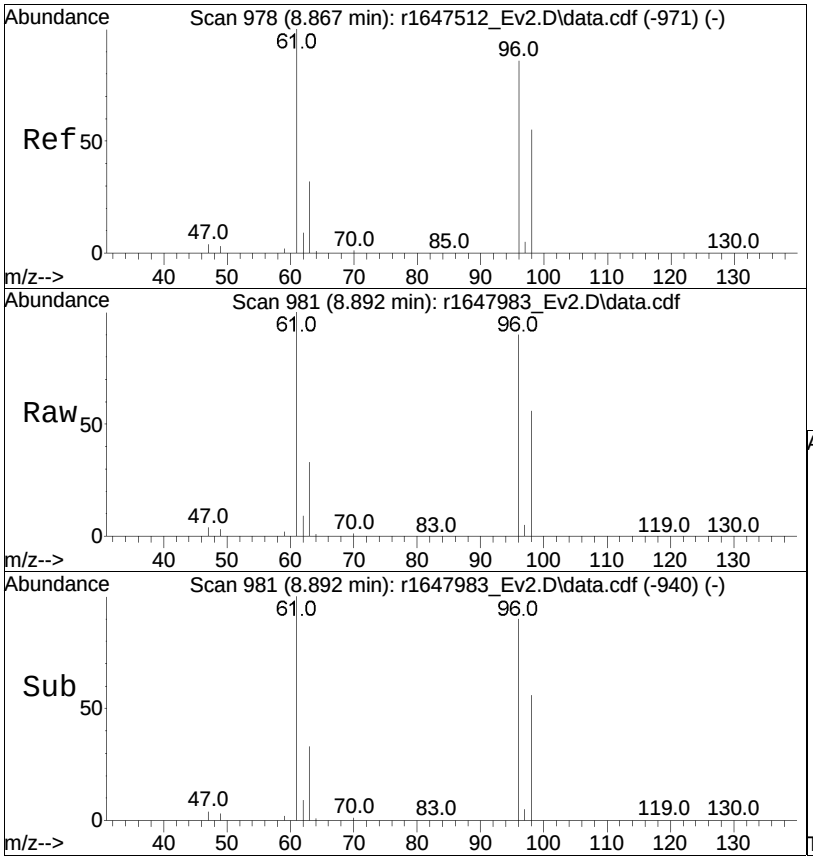


#17
1,1-dichloroethene
Concen: 4.84 ppbV
RT: 6.528 min Scan# 661
Delta R.T. 0.012 min
Lab File: r1647983_Ev2.D
Acq: 18 Jan 2025 11:38 AM

Tgt Ion: 61 Resp: 66628

Ion	Ratio	Lower	Upper
61	100		
96	75.2	62.7	94.1
63	32.5	26.4	39.6

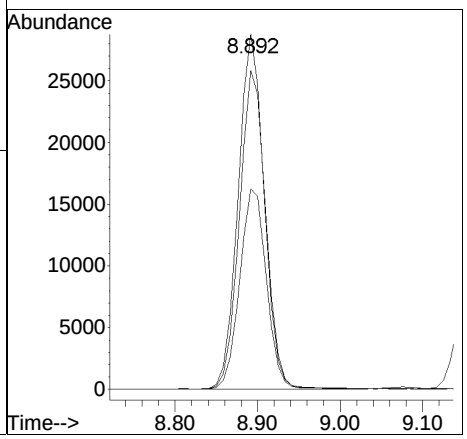


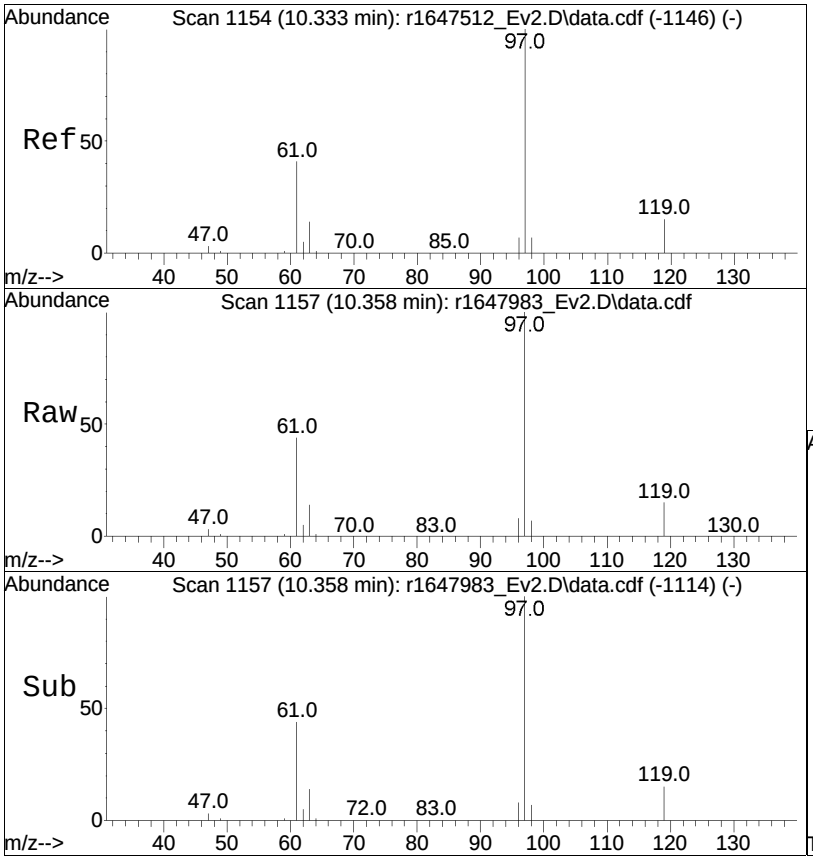


#28
cis-1,2-dichloroethene
Concen: 4.80 ppbV
RT: 8.892 min Scan# 981
Delta R.T. 0.025 min
Lab File: r1647983_Ev2.D
Acq: 18 Jan 2025 11:38 AM

Tgt Ion: 61 Resp: 62961

Ion	Ratio	Lower	Upper
61	100		
96	89.8	69.2	103.8
98	56.4	43.8	65.6

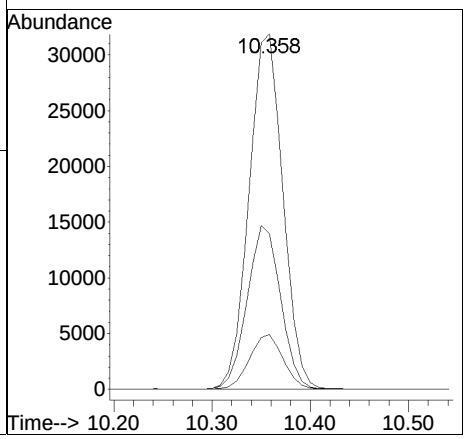


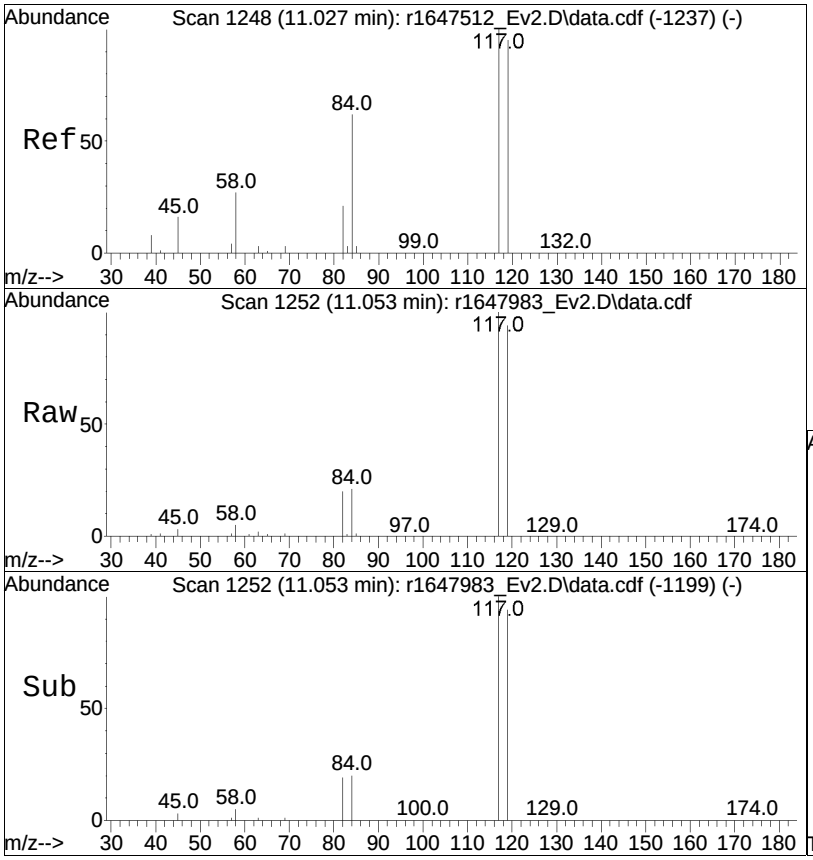


#36
1,1,1-trichloroethane
Concen: 4.68 ppbV
RT: 10.358 min Scan# 1157
Delta R.T. 0.025 min
Lab File: r1647983_Ev2.D
Acq: 18 Jan 2025 11:38 AM

Tgt Ion: 97 Resp: 76351

Ion	Ratio	Lower	Upper
97	100		
61	43.8	33.1	49.7
119	15.4	12.0	18.0

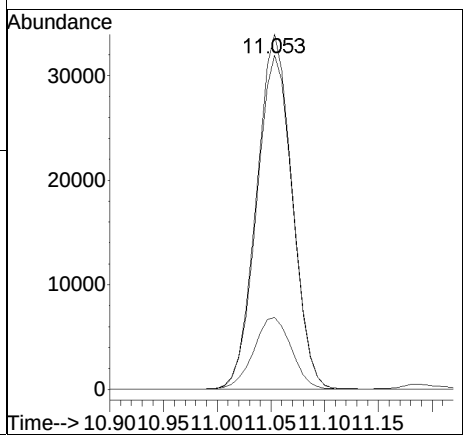


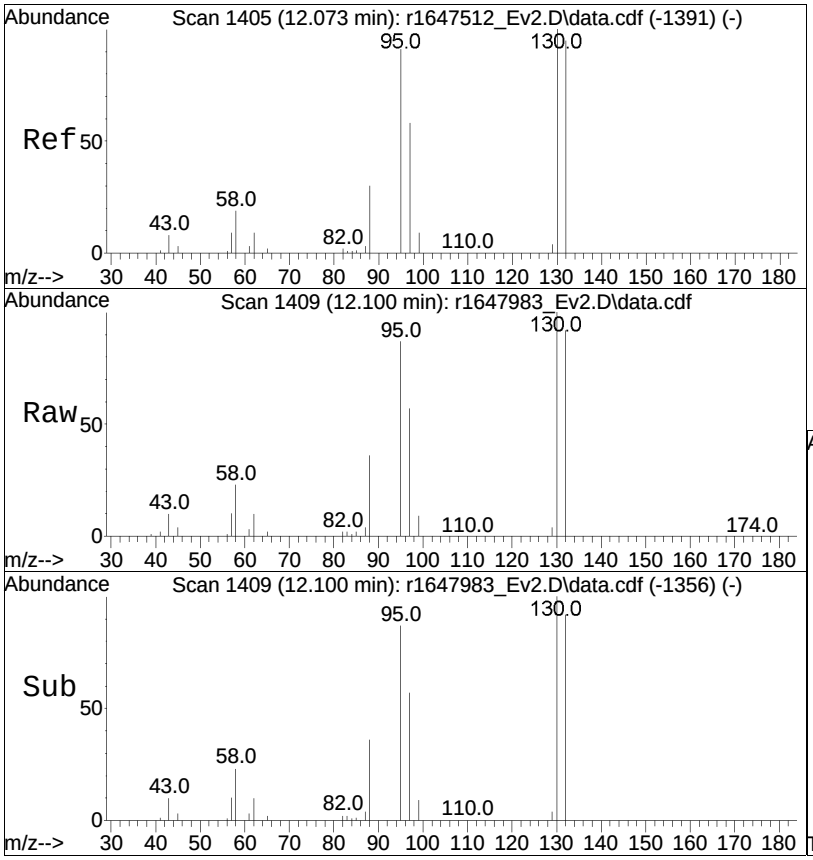


#38
carbon tetrachloride
Concen: 5.37 ppbV
RT: 11.053 min Scan# 1252
Delta R.T. 0.027 min
Lab File: r1647983_Ev2.D
Acq: 18 Jan 2025 11:38 AM

Tgt Ion:117 Resp: 78079

Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.2	114.4
82	20.3	17.2	25.8

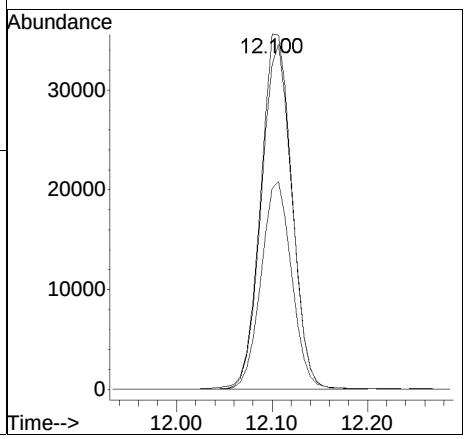


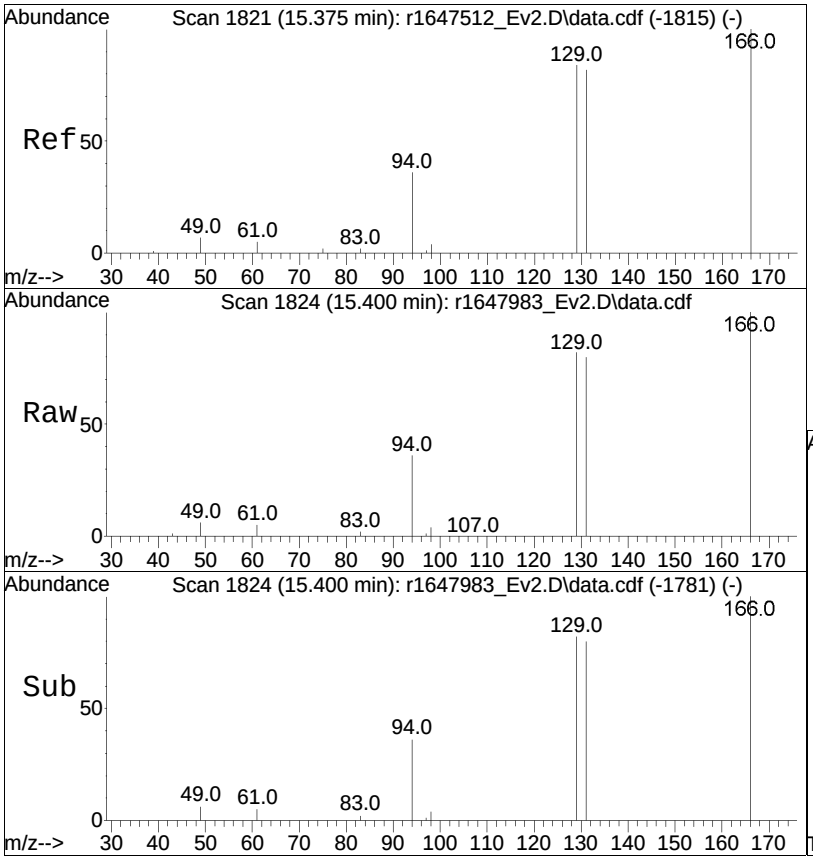


#44
trichloroethene
Concen: 4.80 ppbV
RT: 12.100 min Scan# 1409
Delta R.T. 0.027 min
Lab File: r1647983_Ev2.D
Acq: 18 Jan 2025 11:38 AM

Tgt Ion:130 Resp: 81218

Ion	Ratio	Lower	Upper
130	100		
132	91.5	76.3	114.5
97	56.6	46.8	70.2

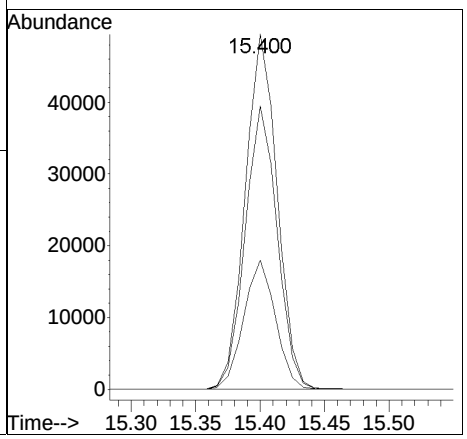




#57
tetrachloroethene
Concen: 4.53 ppbV
RT: 15.400 min Scan# 1824
Delta R.T. 0.025 min
Lab File: r1647983_Ev2.D
Acq: 18 Jan 2025 11:38 AM

Tgt Ion:166 Resp: 85342

Ion	Ratio	Lower	Upper
166	100		
131	79.7	65.2	97.8
94	36.4	29.0	43.6



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647995_Ev2.D
Acq On : 18 Jan 2025 11:36 PM
Operator : AIRLAB16:BJB
Sample : WG2021065-5,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:37:36 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab16\2025\01\0118SIM\r1647983_Ev2.D
Sub List : 7-NY-SIM - .

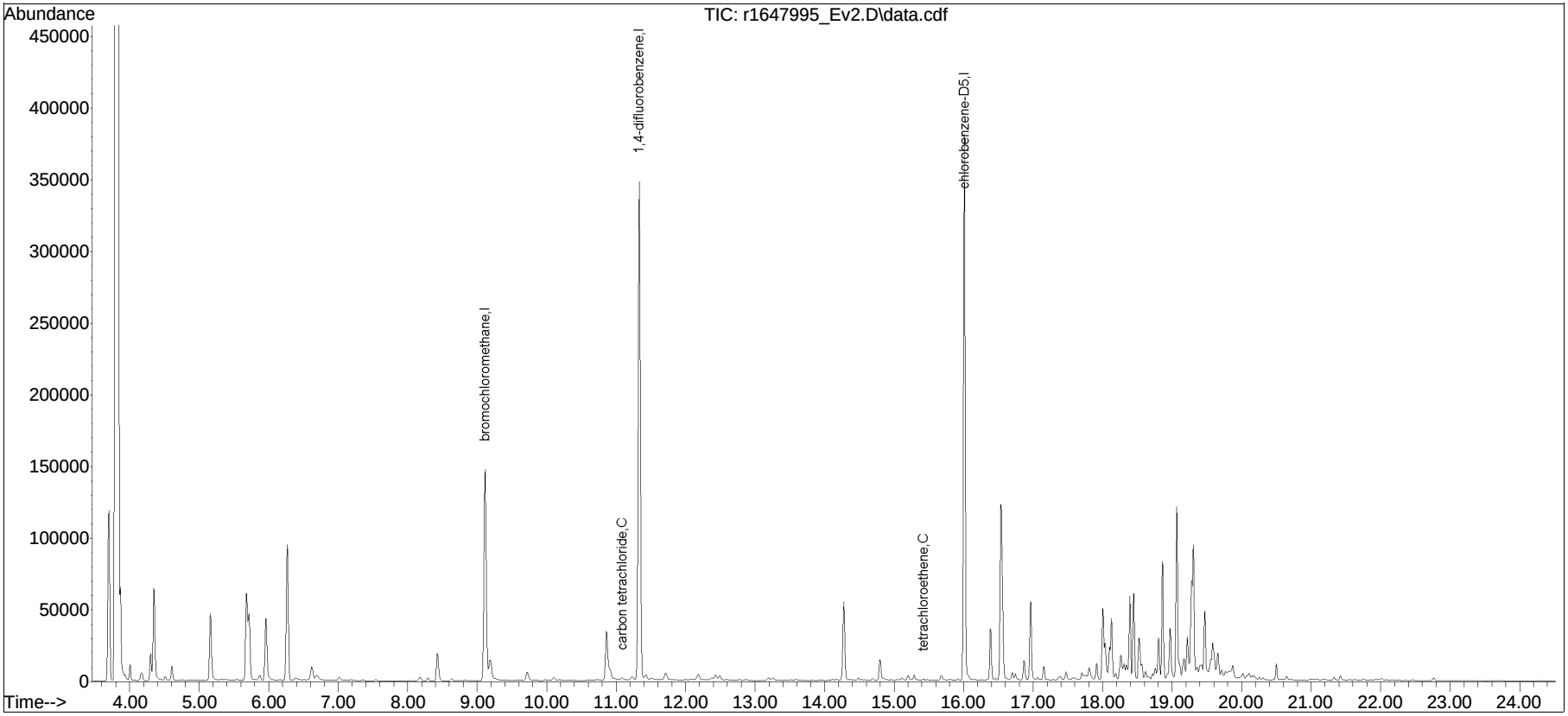
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.117	49	157421	10.000	ppbV	0.06
Standard Area = 170965			Recovery =		92.08%	
33) 1,4-difluorobenzene	11.333	114	463630	10.000	ppbV	0.06
Standard Area = 504366			Recovery =		91.92%	
51) chlorobenzene-D5	16.008	54	57922	10.000	ppbV	0.04
Standard Area = 64115			Recovery =		90.34%	
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.		
28) cis-1,2-dichloroethene	0.000		0	N.D.		
36) 1,1,1-trichloroethane	10.208		0	N.D.		
38) carbon tetrachloride	11.087	117	1119M4	0.084	ppbV	
44) trichloroethene	12.087		0	N.D.		
57) tetrachloroethene	15.425	166	494M4	0.029	ppbV	

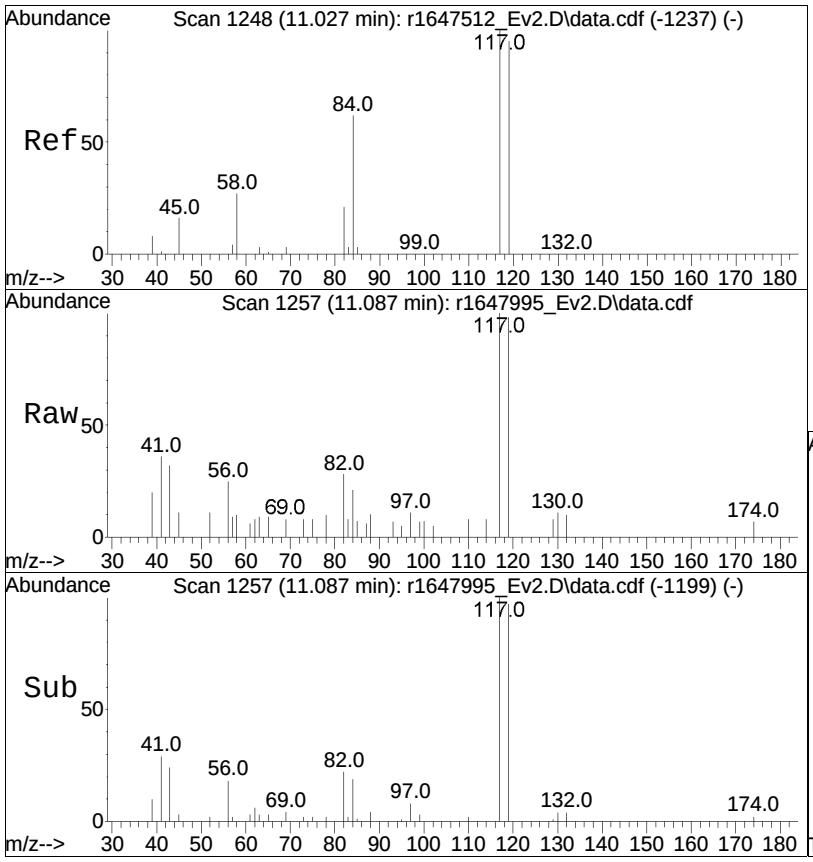
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab16\2025\01\0118SIM\r1647983_Ev2.D

Data Path : X:\Airlab\Data\Airlab16\2025\01\0118SIM\
Data File : r1647995_Ev2.D
Acq On : 18 Jan 2025 11:36 PM
Operator : AIRLAB16:BJB
Sample : WG2021065-5,3,250,250
Misc : WG2021065,ICAL21801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jan 19 12:37:36 2025
Quant Method : X:\Airlab\Data\Airlab16\2025\01\0118SIM\TSIM16_241219.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Dec 20 14:34:10 2024
Response via : Initial Calibration

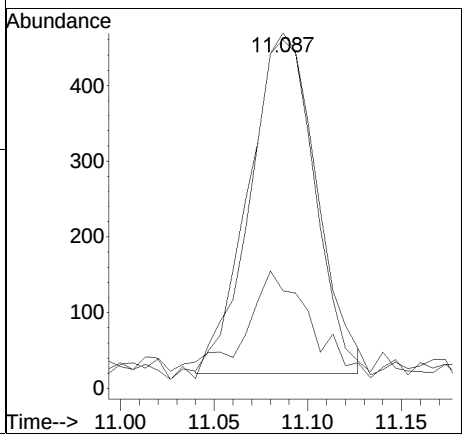


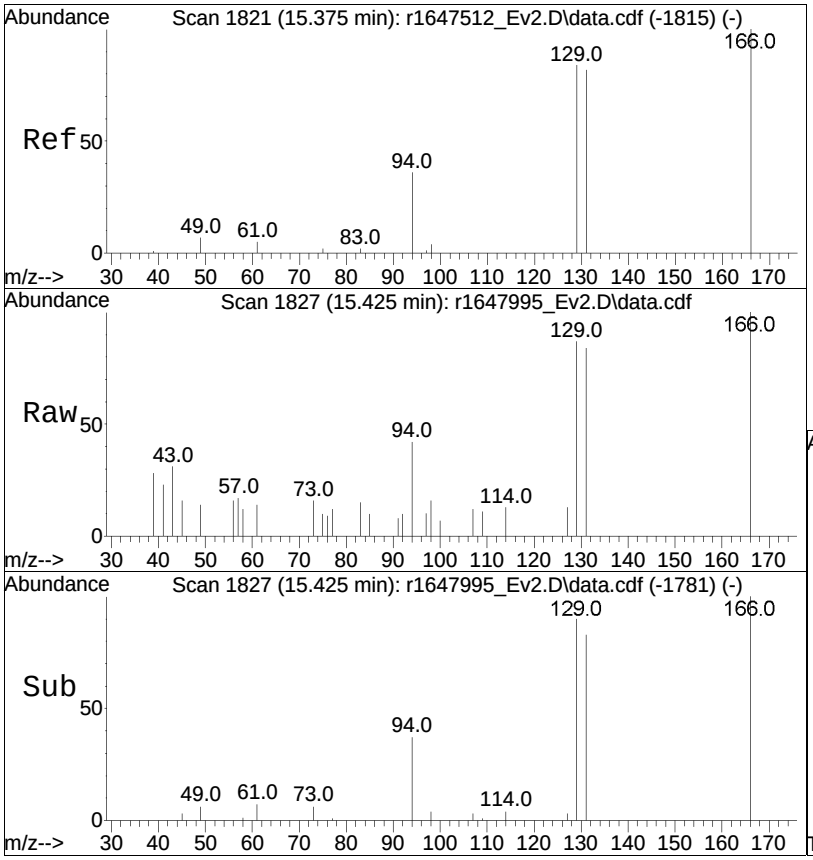


#38
carbon tetrachloride
Concen: 0.08 ppbV m
RT: 11.087 min Scan# 1257
Delta R.T. 0.060 min
Lab File: r1647995_Ev2.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion:117 Resp: 1119

Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.2	114.4
82	27.5	17.2	25.8#

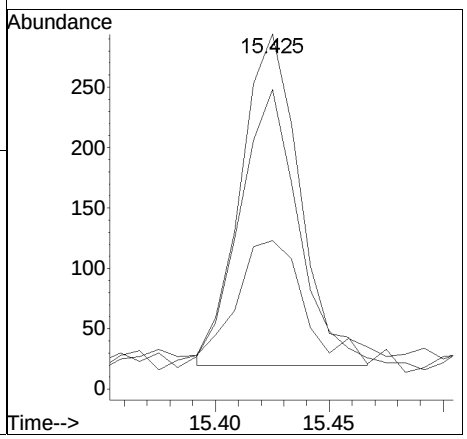




#57
tetrachloroethene
Concen: 0.03 ppbV m
RT: 15.425 min Scan# 1827
Delta R.T. 0.050 min
Lab File: r1647995_Ev2.D
Acq: 18 Jan 2025 11:36 PM

Tgt Ion:166 Resp: 494

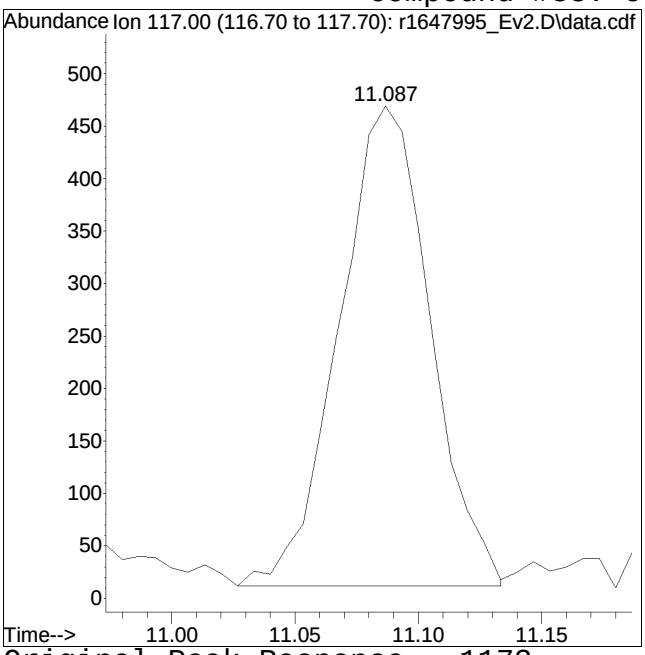
Ion	Ratio	Lower	Upper
166	100		
131	84.4	65.2	97.8
94	41.8	29.0	43.6



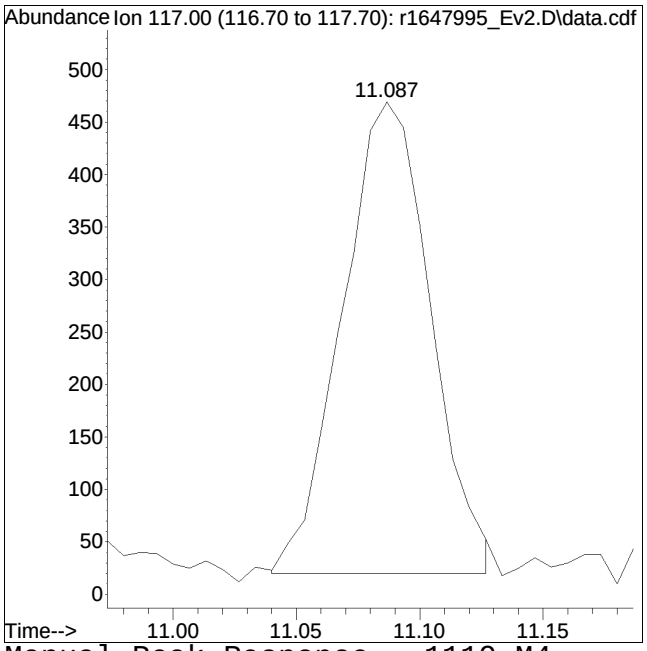
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647995_Ev2.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 11:36 PM Instrument :
Sample : WG2021065-5,3,250,250 Quant Date : 1/19/2025 12:37 pm

Compound #38: carbon tetrachloride



Original Peak Response = 1173



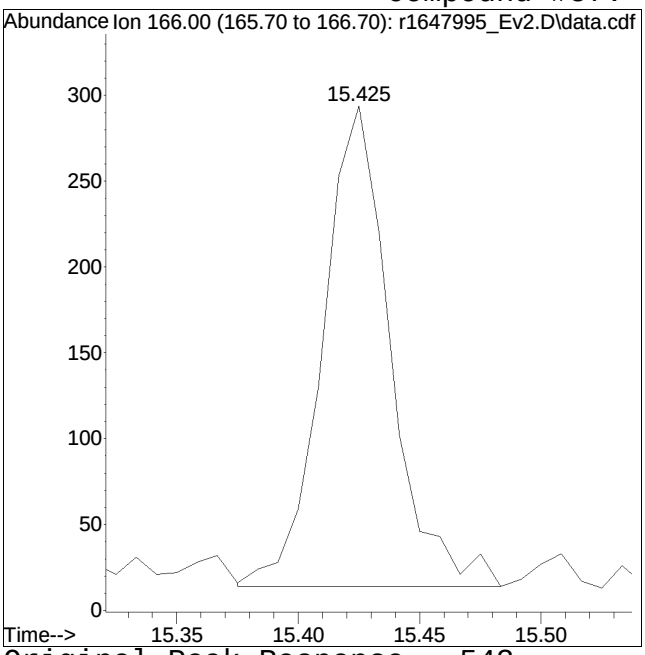
Manual Peak Response = 1119 M4

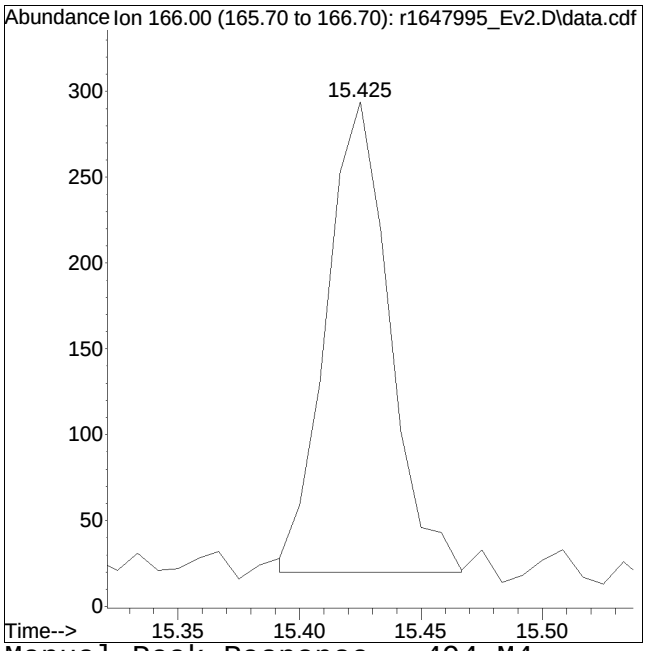
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab16\20QMethod : TSIM16_241219.M
Data File : r1647995_Ev2.D Operator : AIRLAB16:BJB
Date Inj'd : 1/18/2025 11:36 PM Instrument :
Sample : WG2021065-5,3,250,250 Quant Date : 1/19/2025 12:37 pm

Compound #57: tetrachloroethene





Original Peak Response = 543 Manual Peak Response = 494 M4
M4 = Poor automated baseline construction.

Calculation of Volatile Organic Compounds in Air

The instrument will calculate the concentration (ppbv). If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, ppbv = C_s x DF
Where:
C_s = Concentration of sample (ppbv)
DF = Dilution Factor

Calculation of Instrument Dilution Factor

For dilutions, smaller sample volumes (< 250mL) are analyzed. The smallest volume that can be analyzed with accuracy is 10 mL.

Samples that arrive at the laboratory with pressures below -15 inches Hg must be pressurized with zero air to greater than -15 inches Hg. This pressurization results in a dilution factor.

Calculation of Dilution Factor
$DF = V_{cf} / V_{ci}$
Where:
V_{ci} = volume of air in canister prior to pressurization, L
P =

Conversion of ppbv to ug/m^3
ug/m^3 = (ppbv) * MW / 24.47
Where:
24.47 = molar gas constant (g/g-mole)
MW = molecular weight of the compound of interest

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

$V_{ci} = 2.7 * Pl/14.696$

Step 2: Calculate the volume in the canister after pressurization.

$V_{cf} = 2.7 * PF/14.696$

Step 3: Calculate the dilution factor.

$DF = V_{cf} / V_{ci}$

Where:

V_{ci} = volume of air in canister prior to pressurization, L
PI = pressure reading of canister prior to pressurization (psia)
V_{cf} = volume of air in canister after pressurization, L
PF = pressure reading of canister after pressurization (psia)
DF = dilution factor
14.696 = atmospheric pressure (psia)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jan 20 2025, 01:39 pm

Work Group: WG2021065 for Department: 3 GC/MS

Created: 17-JAN-25 Due: Operator: SRO

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2500525-01	IA-1	S	TO15-SIM	AIR	DONE	U	0201	0120	S0	Can-2.7
L2500525-02	IA-2	S	TO15-SIM	AIR	DONE	U	0201	0120	S0	Can-2.7
L2500525-03	OA-1	S	TO15-SIM	AIR	DONE	U	0201	0120	S0	Can-2.7
L2500525-04	OA-2	S	TO15-SIM	AIR	DONE	U	0201	0120	S0	Can-2.7
L2500535-01	IA-1	S	TO15-SIM	AIR	DONE	U	0201	0120	S0	Can-2.7
L2502163-01	C3_IA-01_011425	S	TO15-SIM	AIR	DONE	U	0213	0121	S0	Can-6
L2502163-03	C3_IA-02_011425	S	TO15-SIM	AIR	DONE	U	0213	0121	S0	Can-6
L2502163-05	C3_IA-03_011425	S	TO15-SIM	AIR	DONE	U	0212	0121	S0	Can-6
L2502163-07	C3_IA-04_011425	S	TO15-SIM	AIR	DONE	U	0213	0121	S0	Can-6
L2502163-09	C3_IA-05_011425	S	TO15-SIM	AIR	DONE	U	0213	0121	S0	Can-6
L2502163-11	C3_AA-01_011425	S	TO15-SIM	AIR	DONE	U	0213	0121	S0	Can-6
WG2021065-1	MS BFB Tune Standard	S	TO15-SIM	AIR	DONE	U				
WG2021065-2	Continuing Calibrati	S	TO15-SIM	AIR	DONE	U				
WG2021065-3	Laboratory Control S	S	TO15-SIM	AIR	DONE	U				
WG2021065-4	Laboratory Method Bl	S	TO15-SIM	AIR	DONE	U				
WG2021065-5	Duplicate Sample	S	TO15-SIM	AIR	DONE	U				

Comments:

WG2021065-5 L2502163-07

Instrument ID: Airlab 16

Date: 12/19/24

Analyst Initials: JFI

Internal Standard/Surrogate IDs: SS23-027/ SS23-018

Internal Standard/Surrogate Volume: 100 ml

Sequence File Name: 241219.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist	Check Pass ? Y/N
1	BA16120203	TO15_SFS.qgm	R1647504.qgd	250ML			NA
1	TA16120201	TO15_SFS.qgm	R1647505.qgd	250ML	TUNE		NA
9	ITO15-SIMTD0.02	TO15_SFS.qgm	R1647506.qgd	SS24-032D 50 mL	SIM ONLY	DEF	NA
9	ITO15-SIMTD0.05	TO15_SFS.qgm	R1647507.qgd	SS24-032D 125 mL	SIM ONLY	DEF	NA
9	ITO15-SIMTD0.1	TO15_SFS.qgm	R1647508.qgd	SS24-032D 250 mL	SIM ONLY	DEF	NA
10	ITO15-LLSTD0.2	TO15_SFS.qgm	R1647509.qgd	SS24-032C 50 mL		DEF	NA
10	ITO15-LLSTD0.5	TO15_SFS.qgm	R1647510.qgd	SS24-032C 125 mL		DEF	NA
10	ITO15-LLSTD1.0	TO15_SFS.qgm	R1647511.qgd	SS24-032C 250 mL		DEF	NA
11	ITO15-LLSTD5.0	TO15_SFS.qgm	R1647512.qgd	SS24-032B 125 mL		DEF	NA
11	ITO15-LLSTD010	TO15_SFS.qgm	R1647513.qgd	SS24-032B 250 mL		DEF	NA
12	ITO15-LLSTD020	TO15_SFS.qgm	R1647514.qgd	SS24-032A 50 mL		DEF	NA
12	ITO15-LLSTD050	TO15_SFS.qgm	R1647515.qgd	SS24-032A 125 mL		DEF	NA
12	ITO15-LLSTD100	TO15_SFS.qgm	R1647516.qgd	SS24-032A 250 mL	LL ONLY	DEF	NA
1	BA16120201	TO15_SFS.qgm	R1647517.qgd	250ML			NA
1	BA16120202	TO15_SFS.qgm	R1647518.qgd	250ML			NA
2	CTO15-LLSTD010	TO15_SFS.qgm	R1647519.qgd	SS24-036D 250 mL	LL ICV	DEF-ICV-AP2	NA
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1647520.qgd	SS24-036D 125mL	SIM ICV	DEF-ICV-AP2 BY SIM	NA
							NA
							NA
							NA
							NA
							NA

							NA
							NA

Column ID: Rtx-1 0.25 mm ID

Date(s) of Initial Calibration: Refer to Initial Calibration Summary Form 6

Date Acquired: see Instrument Performance Check Summary and/or quantitation report.

Sample ID information: L1301234-01,3,250,250 { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Instrument ID: Airlab 16

Internal Standard/Surrogate IDs: SS

Date: 01/17/25

Internal Standard/Surrogate Volume:

Analyst Initials: SRO

Sequence File Name:

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)
1	TA16011801	TO15_SFS.qgm	R1647980.qgd	250 mL	TUNE
16	CTO15-LLSTD10.0	TO15_SFS.qgm	R1647982.qgd	SS24-042H 250 mL	LL LCS
16	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1647983.qgd	SS24-042H 125 mL	SIM LCS
1	BA16011801	TO15_SFS.qgm	R1647984.qgd	250 mL	LL BLANK
1	BA16011802	TO15_SFS.qgm	R1647985.qgd	250 mL	SIM BLANK
2	L2500525-03,3,250,250	TO15_SFS.qgm	R1647986.qgd	WG2021065,ICAL21800	Hit of Ace
3	L2500525-04,3,250,250	TO15_SFS.qgm	R1647987.qgd	WG2021065,ICAL21800	hit of ETOH, Ace,
4	L2502163-11,3,250,250	TO15_SFS.qgm	R1647988.qgd	WG2021065,ICAL21800	hit of ace
5	L2500525-01,3,250,250	TO15_SFS.qgm	R1647989.qgd	WG2021065,ICAL21800	hit of ETOH, ace,
6	L2500525-02,3,250,250	TO15_SFS.qgm	R1647990.qgd	WG2021065,ICAL21800	hit of ETOH, ace,
7	L2502163-01,3,250,250	TO15_SFS.qgm	R1647991.qgd	WG2021065,ICAL21800	hit of ETOH, ace,
8	L2502163-03,3,250,250	TO15_SFS.qgm	R1647992.qgd	WG2021065,ICAL21800	hit of ETOH, ace,
9	L2502163-05D,3,126.66,250	TO15_SFS.qgm	R1647993.qgd	WG2021065,ICAL21800	111092/ hit of acetone
10	L2502163-07,3,250,250	TO15_SFS.qgm	R1647994.qgd	WG2021065,ICAL21800	hit of ETOH, ace,
10	L2502163-07DUP,3,250,250	TO15_SFS.qgm	R1647995.qgd	WG2021065,ICAL21800	LL/SIM DUP
11	L2502163-09,3,250,250	TO15_SFS.qgm	R1647996.qgd	WG2021065,ICAL21800	hit of ETOH, Ace,

S23-027/ SS23-018

100 ml

250117.S

Product/ Sublist	Check Pass ? Y/N
	NA
F114,ETOH,,ACETONE,BDCM,DBCM,BF,BC,NAPH FAIL HIGH // NARRATE ETOH + ACETONE HITS // RA FOR NAPH HITS // REPORT ANY OTHER HITS BY SIM	NA
	NA
	NA
	NA
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y

12	L2500535-01D,3,75.34,250	TO15_SFS.qgm	R1647997.qgd	WG2021065,ICAL21800	111902
13	L2500197-01D,3,23.05,250	TO15_SFS.qgm	R1647998.qgd	WG2021065,ICAL21800	T
14	L2500197-02,3,250,250	TO15_SFS.qgm	R1647999.qgd	WG2021065,ICAL21800	hit of acetone,
3					
1					

Column ID: Rtx-1 0.25 mm ID

Date(s) of Initial Calibration: Refer to Initial Calibration Summary Form 6

Date Acquired: see Instrument Performance Check Summary and/or quantitation re

Sample ID information: L1301234-01,3,250,250 { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

NY+NAPH-7SIM	Y
NY+NAPH	Y
NY+NAPH	Y

port.

April 16, 2025

Mr. Michael Tomasulo
Binghamton Plaza, Inc.
c/o Galesi Realty
30 Galesi Drive
Wayne, NJ 07470

Re: Site Management Plan Compliance Task Requirements – Fall of 2024 Services
Binghamton Plaza Property
Binghamton, New York
KES Project No.: 426.01214.10

Dear Mr. Tomasulo:

Reference is made to our May 9, 2024, proposal to perform sampling and inspection services at the above noted project site.

Attached please find the following Appendices providing Fall of 2024 services:

- Appendix A – Semi-Annual Composite Cover System Inspection (includes Site Wide Cap and Cover Systems Field Inspection Form, Photograph Documentation and a Monitoring Well Location Map identifying monitoring well conditions).
- Appendix B – Semi-Annual Methane Monitoring (includes Indoor Air Monitoring for Methane Field Inspection Form and Photograph Documentation).
- Appendix C – Annual TO-15 Air Sample Results – Building No. 31 (includes Air Sampling Results, Structure Sampling and Building Inventory Field Forms).
- Appendix D – Annual Passive Ventilation System Inspection – Building No.'s 1-30 (includes Periodic Operations Visit Form and Photograph Documentation).
- Appendix E – Annual Sub-Slab Depressurization System Operation and Maintenance Inspection–Building No.'s 31-33 (includes Periodic Operations Visit Form and Photograph Documentation).

We hope that this information is beneficial, and we appreciate the opportunity to be of continued service to you on this project. If you have any questions regarding the enclosed documentation, please do not hesitate to contact our office.

Sincerely,

Christian Tarnowski

Christian R. Tarnowski
Senior Environmental Hygienist

Attachments
cc: D. Schott, ARM Group LLC

T:\Projects\2014\0426 - Binghamton Plaza (Galesi Realty)\0426.01214.10 year 2024\Fall SMP\Fall 2024 Cover Letter.docx

Appendix A

Semi-Annual Composite Cover System Inspection

(Includes: Site Wide Cap and Cover System Field Inspection Form, Photograph Documentation and a Monitoring Well Location Map identifying well conditions)

Binghamton Plaza - Field Inspection Form
Site-wide Cap and Cover Systems
Site Schematic

Site use Note: The entire site has been remediated to commercial use with the exception of the hatched area shown in the above plan. This hatched area has been remediated to restricted-residential use.

Descriptions of Cap and Cover Systems

1) Pre-Remediation Cap Areas (gray): This area includes all areas that were covered with pavement, concrete or building footprints prior to remediation in Oct. 2014.

2) Post-Remediation Soil Cover (green): This area was covered during the Oct 2014 remediation with at least 12" of clean soil over an orange construction fence demarcation layer

3.) Post-Remediation Asphalt Cover (pink): These areas were not paved prior to the October 2014 remedial action The remedial action included the installation of a 6-inch thick asphalt cover system.

Inspection Criteria: Inspect all cap and cover systems for evidence of erosion, significant cracking, sinking or heaving. If the potential for exposure to underlying soil and or waste material exists, note the locations on the embedded map, photograph the area and describe the degradation on this form.

Inspection Results

Cap/Cover Type	Intact? (Y/N)	Repairs Needed? (Y/N)	General Notes
Pre-Remediation Cap Areas (gray)	Yes	Yes	Repair potholes - Refer to Photos
Post-Remediation Soil Cover ~~(green)~~ Pink	Yes	No	100% Stabilization Achieved
Post-Remediation Asphalt Cover (green)	Yes	No	100% Stabilization Achieved

General Site Condition and Use Inspection Questionnaire

1.) Is the site use consistent with the land use restrictions (i e. restricted residential and commercial)? YES_X_ / NO_____.
If no, describe.

2.) Are all monitoring well flush mount manholes intact and in good condition?
YES_____/ NO_X_ If not, specify which monitoring well, photograph the degradation and describe.

3.) Have any new buildings been constructed? YES_____ / NO_X_.
If so, describe.

4.) Have any buildings been removed? YES_____ / NO_X_.
If so, describe.

General Notes

1.) The Binghamton Plaza site is underlain by approximately 30 feet of municipal waste and incinerator ash. The existing paved areas, concrete slabs, landscaped areas and building footprints function as a continuous cap and cover system for these waste materials.

2.) The purpose of this inspection is to verify that they are intact and preventing exposures to the underlying soil and waste materials buried at the Site

3.) If the cap and/or cover systems are compromised to an extent that they can no longer prevent exposures to the underlying soil and/or waste materials, repairs must be completed consistent with the Site Management Plan.

4) This inspection form also includes general site use items to verify that site use restrictions are being followed.

Field Inspection Form
Site-wide Cap and Cover Systems
Binghamton Plaza - Site Management Plan (Appendix G)
Inspection Frequency: Semi-annual

Inspected By: C.Tarnowski Date 4/7/2025

Weather Conditions: Sun and Clouds

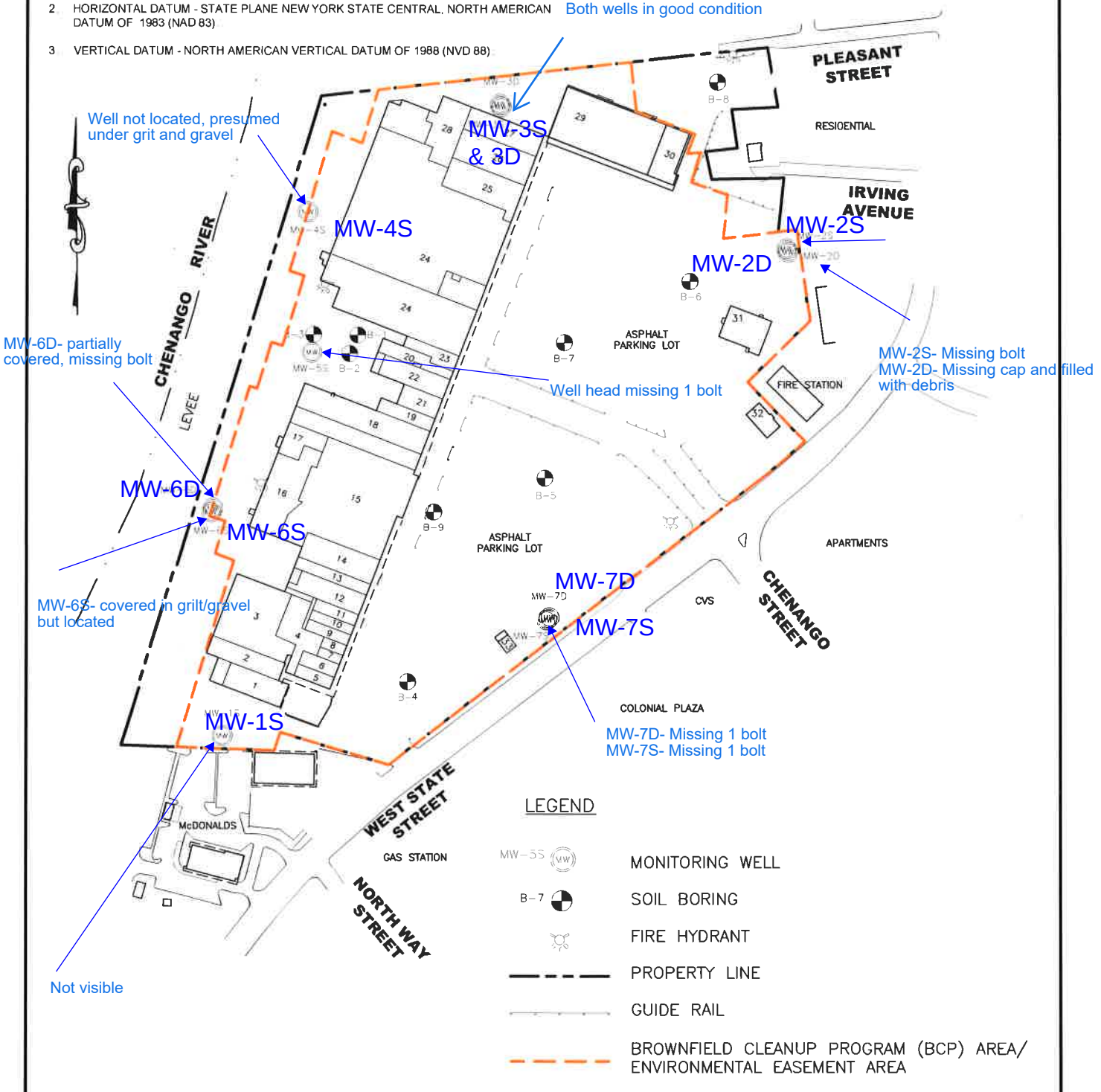
J:\062175 3\DWG\062175 3_BASE.DWG PLOTTED: Radcliffe, Mark at 11/14/2014 12:16 PM

NOTES:

1 REFERENCE PLANS
- *SAMPLE LOCATION MAP FOR BRICKHOUSE ENVIRONMENTAL CONSULTANTS AND ENGINEERS BINGHAMTON PLAZA - WEST STATE STREET* PREPARED BY KEYSTONE ASSOCIATES DATED 02/02/09, LAST REVISED 6/18/13
- *ENVIRONMENTAL EASEMENT / BROWNFIELD SURVEY*, PREPARED BY KEYSTONE ASSOCIATES DATED 10/7/2014

2 HORIZONTAL DATUM - STATE PLANE NEW YORK STATE CENTRAL, NORTH AMERICAN DATUM OF 1983 (NAD 83)

3 VERTICAL DATUM - NORTH AMERICAN VERTICAL DATUM OF 1988 (NVD 88)



MONITOR WELL LOCATION MAP

BINGHAMTON PLAZA, CITY OF BINGHAMTON, BROOME COUNTY, NY

BRICKHOUSE ENVIRONMENTAL
PROFESSIONAL GEOLOGISTS, SCIENTISTS AND ENGINEERS
515 S. FRANKLIN STREET; WEST CHESTER, PA 19382 PHONE: 610.692.5770 FAX: 610.692.8650
WWW.BRICKHOUSE-ENVIRONMENTAL.COM

PROJECT:	06-2671.3
FILE NO.:	062175.3_BASE
DATE:	10/7/2014
SCALE:	1" = 250'

ATTACHMENT 1

KEYSTONE
ENVIRONMENTAL SERVICES

PHOTO LOG
2024 Inspection Services
Binghamton Plaza
426.01214.10

Photo No.	1
Date	4/7/2025

Location:
Binghamton Plaza
33 West State Street.

Subject:
View of stabilized soil cover adjacent to Building No.'s 1 & 5.

Photo No.	2
Date	4/7/2025

Location:
Binghamton Plaza
33 West State Street.

Subject:
View of the location of MW-1S

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG
2024 Inspection Services
Binghamton Plaza
426.01214.10

Photo No.	3
Date	4/7/2025

Location:
Binghamton Plaza
33 West State Street.

Subject:
View of MW-6S showing slightly visible below gravel/grit.

Photo No.	4
Date	4/7/2025

Location:
Binghamton Plaza
33 West State Street.

Subject:
View of MW- 6D, partially covered and missing bolts.

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG
2024 Inspection Services
Binghamton Plaza
426.01214.10

Photo No.	5
Date	4/7/2025

Location:
Binghamton Plaza
33 West State Street.

Subject:
View of the MW-5S well location

Photo No.	6
Date	4/7/2025

Location:
Binghamton Plaza
33 West State Street.

Subject:
View of MW-5S well showing a missing bolt.

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG
2024 Inspection Services
Binghamton Plaza
426.01214.10

Photo No.	7
Date	4/7/2025

Location:
Binghamton Plaza
33 West State Street.

Subject:
View of the area near MW-4S showing water pooling. Well location could not be identified.

Photo No.	8
Date	4/7/2025

Location:
Binghamton Plaza
33 West State Street.

Subject:
View of the area near MW-4S showing water pooling. Well location could not be identified.

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG
2024 Inspection Services
Binghamton Plaza
426.01214.10

Photo No.	9
Date	4/7/2025

Location:
Binghamton Plaza
33 West State Street.

Subject:
View of MW-3S and 3D.

Photo No.	10
Date	4/7/2025

Location:
Binghamton Plaza
33 West State Street.

Subject:
View of MW-2S and 2D.

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG
2024 Inspection Services
Binghamton Plaza
426.01214.10

Photo No.	11
Date	4/7/2025

Location:
Binghamton Plaza
33 West State Street. .

Subject:
View of MW-2, missing a bolt.

Photo No.	12
Date	4/7/2025

Location:
Binghamton Plaza
33 West State Street.

Subject:
Close view of MW- 2D, missing well cover.

PHOTO LOG
2024 Inspection Services
Binghamton Plaza
426.01214.10

Photo No. 13
Date 4/7/2025

Location:
Binghamton Plaza
33 West State Street.

Subject:
View of Monitoring Wells MW-7S & 7D with each well missing one bolt.

Photo No. 14
Date 4/7/2025

Location:
Binghamton Plaza
33 West State Street.

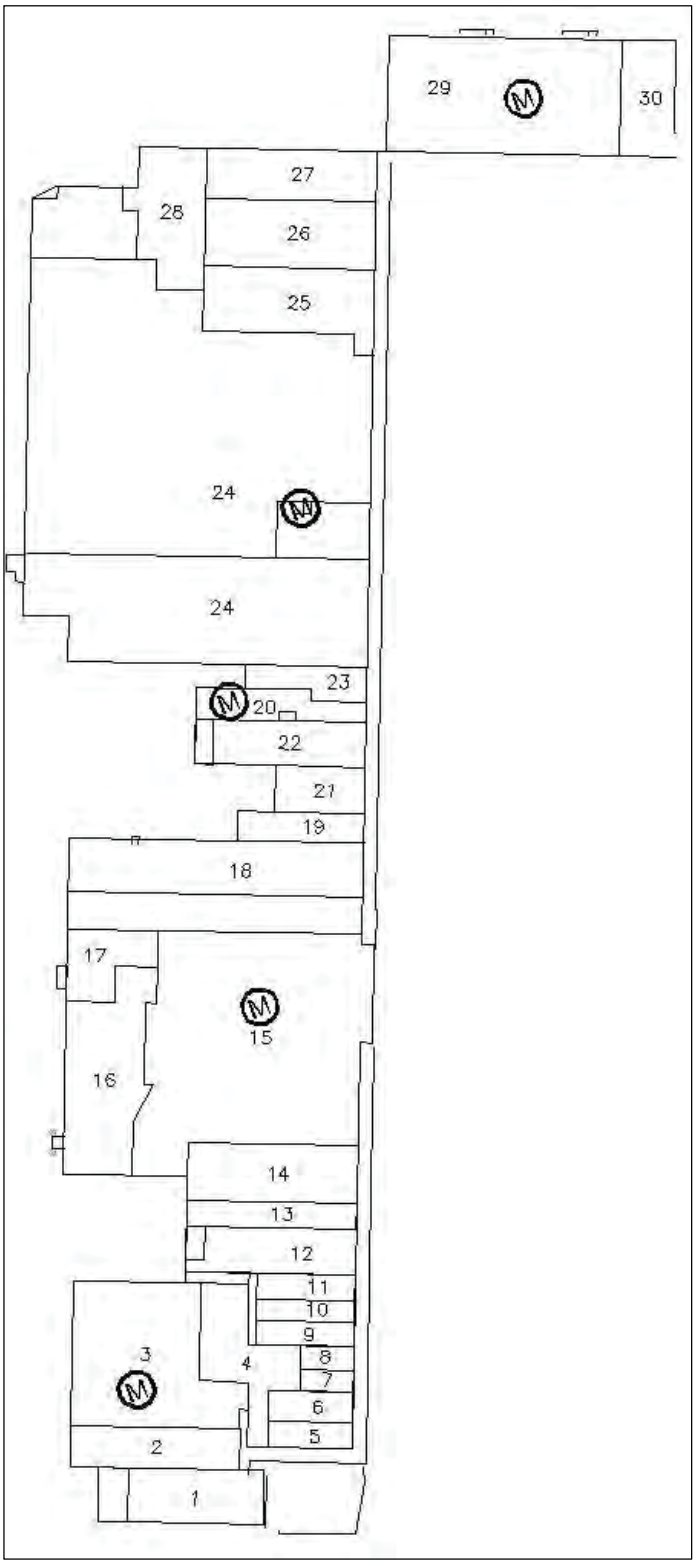
Subject:
View of Monitoring Wells MW-7S & 7D with each well missing one bolt.

Appendix B

Semi-Annual Methane Monitoring

(Includes: Indoor Air Monitoring Form, Methane Field Inspection Form and Photograph Documentation)

Binghamton Plaza - Field Inspection Form
Indoor Air Monitoring for Methane (Buildings 1 - 30)
Building Schematic



Methane Meter Calibration Log

Meter Make and Model: RKI GX-6000

Field Calibration: N/A

Factory Calibration: 12/7/2024

Field Inspection Form
Indoor Air Monitoring for Methane (Buildings 1 - 30)
Binghamton Plaza - Site Management Plan (Appendix G)
Inspection Frequency: Semi-Annual

Indoor Air Monitoring for Methane General Notes

1.) The Binghamton Plaza site is underlain by approximately 30 feet of municipal waste and incinerator ash. Methane gas (generated by the decomposing waste) has been found to exist in soil gas at elevated concentrations throughout the site.

2. The purpose of this inspection is to verify that methane gas is not present at concentrations that pose a risk to building occupants in Buildings 1 through 30. Active methane monitoring systems/alarms exist in Buildings 31, 32 and 33 and are monitored as part of ongoing Site O&M.

Inspection Results

Building Location	Odors (Y/N)	Methane Concentration (% LEL)	Specific Notes
3	N	0.0 %	N/A
15	N	0.0 %	N/A
20	N	0.0 %	N/A
24	N	0.0 %	N/A
29	N	0.0 %	N/A

General Notes

3	N/A
15	N/A
20	N/A
24	N/A
29	N/A

Monitoring Protocol

1.) A properly calibrated portable handheld methane meter should be used to monitor indoor air in the buildings shown on the embedded plan. The monitoring of Buildings 20 and 24 should be conducted above the floor hatches that are used to access the crawl space as shown on the plan. The hatches should remain closed.

2.) The meter should be capable of measuring methane concentrations in percent of the Lower Explosive Limit (LEL).

3.) Methane concentrations should be recorded on this form with any other pertinent information.

4.) Any detections of methane should be immediately reported to the party responsible for implementing the SMP, to determine the proper course of action.

Inspected By: C.Tarnowski Date: 12/23/2024

Weather Conditions: Cloudy

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG

2024 Inspection Services - Methane Monitoring
Binghamton Plaza
426.01214.10

Photo No.	1
Date	12/23/2024
Location: Building No. 24.	
Subject: Methane monitoring inside Building No. 24.	

Photo No.	2
Date	12/23/2024
Location: Building No. 20.	
Subject: Methane monitoring inside Building No. 20.	

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG

2024 Inspection Services - Methane Monitoring
Binghamton Plaza
426.01214.10

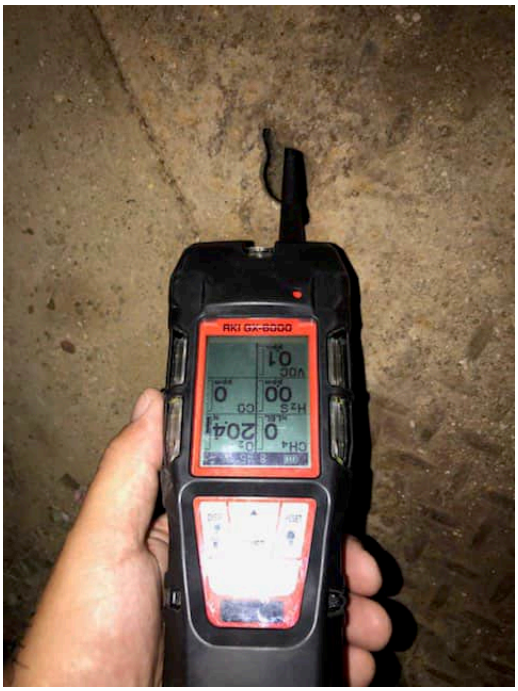


Photo No.	3
Date	12/23/2024
Location: Building No. 3.	
Subject: Methane monitoring inside Building No. 3.	

Photo No.	4
Date	12/23/2024
Location: Building No. 15.	
Subject: Methane monitoring below Building No. 15.	

Appendix C

Annual TO-15 Air Sampling Results – Building No. 31 Kurious Kids Childcare

(Includes: Structure Sampling Field Form, Building Inventory Field Form and Air Sampling Results)

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Binghamton Plaza Site Code: DEC C704049 Operable Unit: YES

Building Code: Building #31 Building Name: Kurious Kids Childcare

Address: 33 West State Street Apt/Suite No:

City: Binghamton State: NY Zip: 13901 County: Broome

Contact Information

Preparer's Name: Mr. Christian Tarnowski Phone No: 607-770-9098

Preparer's Affiliation: Keystone Environmental Services Company Code: 426.01214.8.C

Purpose of Investigation: Task C Annual TO-15 Air Sampling Date of Inspection: Jan 2, 2025

Contact Name: Ms. Andrea Thomas Affiliation: TENANT

Phone No: 607-341-3172 Alt. Phone No: N/A Email: N/A

Number of Occupants (total): Unkown Number of Children: 30-40

☒ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?

Owner Name (if different): Mr. Michael Tomasulo - Galesi Realty Owner Phone: 973-256-6600 x19

Owner Mailing Address: 30 Galesi Drive, Wayne, NJ 07470

Building Details

Bldg Type (Res/Com/Ind/Mixed): COMMERCIAL/MIXED Bldg Size (S/M/L): MEDIUM

If Commercial or Industrial Facility, Select Operations: DAY CARE

If Residential Select Structure Type:

Number of Floors: 1 Approx. Year Construction: 1980 ☒ Building Insulated? ☐ Attached Garage?

Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):

ASD System running

Foundation Description

Foundation Type: NO BASEMENT/SLAB Foundation Depth (bgs): Unit: FEET

Foundation Floor Material: POURED CONCRETE

Foundation Wall Material: CONCRETE BLOCK

Foundation Floor Thickness: 5

Foundation Wall Thickness:

Unit: INCHES

☒ Floor penetrations? Describe Floor Penetrations: Sealed sump

☒ Wall penetrations? Describe Wall Penetrations: Utilities

Basement is: Basement is: ☒ Sumps/Drains? Water In Sump?: N/A

Describe Foundation Condition (cracks, seepage, etc.) : None Visible

☐ Radon Mitigation System Installed? ☒ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating/Cooling/Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: GAS ☒ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: GAS Clothes Dryer Fuel Type: NO CLOTHES DRYER

Water Htr Vent Location: OUTSIDE Dryer Vent Location: NONE

Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Kurious Kids Childcare Bldg Code: Building #31 Date: Jan 2, 2025

Bldg Address: 33 West State Street Apt/Suite No:

Bldg City/State/Zip: Binghamton NY, 13901

Make and Model of PID: RKI GX-6000 Date of Calibration: 12/27/2024

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
Background	Background (@ IA-1)	N/A	N/A	N/A	0.0 ppm	☐
Janitor Closet	Background	N/A	N/A	N/A	0.0 ppm	☐
Kitchen	Background	N/A	N/A	N/A	0.0 ppm	☐
Infant Room	Cleaning Supplies (General)	N/A	N/A	N/A	0.0ppm	☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? Yes Were there any elevated PID readings taken on site? No ☐ Products with COC?

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Binghamton Plaza Site Code: DEC C704049 Operable Unit: YES

Building Code: Building #31 Building Name: Kurious Kids Childcare

Address: 33 West State Street Apt/Suite No:

City: Binghamton State: NY Zip: 13901 County: Broome

Factors Affecting Indoor Air Quailty

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: TILE

☒ Inhabited? ☒ HVAC System On? ☒ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: NONE ☐ Is there smoking in the building?

☒ Air Fresheners? Description/Location of Air Freshener: None noted

☒ Cleaning Products Used Recently?: Description of Cleaning Products: House hold products (Infant, Kitchen,

☒ Cosmetic Products Used Recently?: Description of Cosmetic Products: N/A

☒ New Carpet or Furniture? Location of New Carpet/Furniture: None noted

☒ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: No

☒ Recent Painting/Staining? Location of New Painting: None noted

☒ Solvent or Chemical Odors? Describe Odors (if any): None noted

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: No- Daycare

☒ Recent Pesticide/Rodenticide? Description of Last Use: NA

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:

Various chemicals/cleaning products found in the infant/kitchen/Janitors Closet and infant room. Majority of chemical products and paints have been removed off site and only standard cleaning supply noted . Hand sanitizer was noted throughout the structure.

☒ Any Prior Testing For Radon? If So, When?: unknown

☒ Any Prior Testing For VOCs? If So, When?: 1/5/2024

Sampling Conditions

Weather Conditions: PARTLY CLOUDY Outdoor Temperature: 30 °F

Current Building Use: DAY CARE Barometric Pressure: 28.17 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: Building #31 Address: 33 West State Street Binghamton, NY 13901

Sampling Information

Sampler Name(s): Christian Tarnowski Sampler Company Code: 426.01214.10

Sample Collection Date: Jan 2, 2025 Date Samples Sent To Lab: Jan 6, 2025

Sample Chain of Custody Number: N/A Outdoor Air Sample Location ID:

SUMMA Canister Information

Sample ID:	IA-1	IA-2	OA-1	OA-2	
Location Code:	IA-1	IA-2	OA-1	OA-2	
Location Type:	FIRST FLOOR	FIRST FLOOR	OUTDOOR	OUTDOOR	
Canister ID:	2375	2974	185	2213	
Regulator ID:	01625	02621	02075	02044	
Matrix:	Indoor Air	Indoor Air	Ambient Outd	Ambient Outd	
Sampling Method:	SUMMA AIR SAMPLI	SUMMA AIR SA	SUMMA AIR SA	SUMMA AIR SA	

Sampling Area Info

Slab Thickness (inches):					
Sub-Slab Material:					
Sub-Slab Moisture:					
Seal Type:					
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

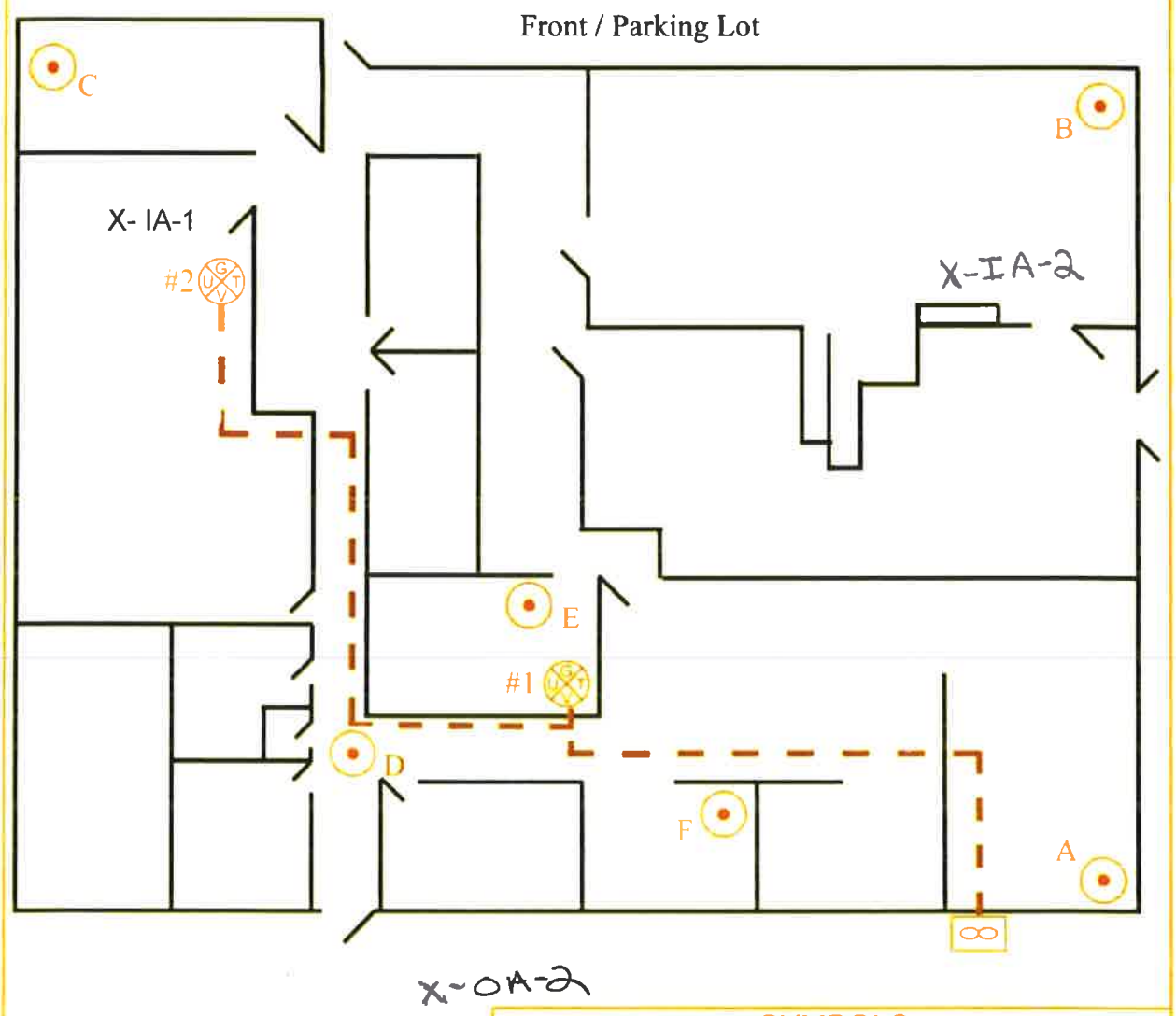
Sample Start Date/Time:	1/2/25 8:15	1/2/25 8:17	1/2/25 8:21	1/2/25 8:26	
Vacuum Gauge Start:	28.8	28.6	28.8	28.6	
Sample End Date/Time:	1/2/25 3:45	1/2/25 3:49	1/2/25 3:58	1/2/25 4:03	
Vacuum Gauge End:	7.1	9.6	8.1	6.2	
Sample Duration (hrs):	7.3	7.32	7.37	7.37	
Vacuum Gauge Unit:	in(hg)				

Sample QA/QC Readings

Vapor Port Purge:	☐	☐	☐	☐	☐
Purge PID Reading:					
Purge PID Unit:					
Tracer Test Pass:	☐	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM

X-OA-1



NOTE: ALL LOCATIONS ARE APPROXIMATE, ACTUAL LOCATIONS MAY VARY SLIGHTLY DEPENDING ON CONDITIONS.

LOCATION: 33 West State Street - Bldg. #31
Binghamton, NY 13901

DATE: INSTALL DATE: 2/19/09

SYMBOLS

- SUCTION POINT WITH U TUBE
- SUCTION POINT WITH GATE VALVE AND U TUBE
- COMMUNICATION TEST HOLE
- PIPE ROUTE
- EXHAUST FAN
- WALL PARGING
- EPDM CRAWLSPACE
- POURED CONCRETE
- PATCHED FLOOR
- DJR — DRAINJER COVERED FLOOR DRAIN

SUB SLAB DEPRESSURIZATION SYSTEM AS-BUILT SKETCH

IAQ SAMPLING LOCATIONS

HOLE	DISTANCE	LEVEL
A		
B		
C		
D		
E		

⊕ TO-15 SAMPLE LOCATION

KEYSTONE ENVIRONMENTAL SERVICES

As Built

REV | DRAWN BY: TRL

SCALE: NO SCALE | DATE: 1/2/2025 | JOB: KURIOUS KIDS

ANALYTICAL REPORT

Lab Number:	L2500525
Client:	Keystone Environmental Services 58 Exchange Street Binghamton, NY 13901
ATTN:	Christian Tarnowski
Phone:	(607) 770-9098
Project Name:	BINGHAMTON PLAZA
Project Number:	0426.01214.10
Report Date:	01/20/25

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

Certifications & Approvals: NH ELAP (2249).

120 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.pacelabs.com

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2500525-01	IA-1	AIR	33 WEST STATE ST.	01/02/25 15:45	01/06/25
L2500525-02	IA-2	AIR	33 WEST STATE ST.	01/02/25 15:49	01/06/25
L2500525-03	OA-1	AIR	33 WEST STATE ST.	01/02/25 15:58	01/06/25
L2500525-04	OA-2	AIR	33 WEST STATE ST.	01/02/25 16:03	01/06/25

Project Name:	BINGHAMTON PLAZA	**Lab Number:**	L2500525
Project Number:	0426.01214.10	**Report Date:**	01/20/25

Case Narrative

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

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

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

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

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

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

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10
Lab Number: L2500525
Report Date: 01/20/25

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 23, 2024. The canister certification data is provided as an addendum.

The WG2021062-3 LCS recovery associated with L2500525-01 through -04 is above the upper 130% acceptance limit for dibromochloromethane (132%), bromoform (139%), benzyl chloride (132%), and naphthalene (150%). All samples associated with this LCS do not have reportable amounts of this analyte.

The WG2021062-3 CC recovery associated with L2500525-01 through -04 are above the upper 130% acceptance limit for Ethanol and Acetone. Any samples associated with this CC that have reportable amounts of these analyte will be reported with high bias.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 01/20/25

AIR

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-01
Client ID: IA-1
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 15:45
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/18/25 19:33
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.624	0.200	--	3.09	0.989	--		1
Chloromethane	0.666	0.200	--	1.38	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	466	5.00	--	878	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	10.1	1.00	--	24.0	2.38	--		1
Trichlorofluoromethane	0.280	0.200	--	1.57	1.12	--		1
Isopropanol	19.6	1.00	--	48.2	2.46	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.763	0.200	--	3.73	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-01
Client ID: IA-1
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 15:45
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.345	0.200	--	1.22	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.258	0.200	--	0.972	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-01
Client ID: IA-1
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 15:45
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	100		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	100		60-140

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10
Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-01
Client ID: IA-1
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 15:45
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/18/25 19:33
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-02
Client ID: IA-2
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 15:49
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/18/25 20:12
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.630	0.200	--	3.12	0.989	--		1
Chloromethane	0.628	0.200	--	1.30	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	231	5.00	--	435	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.04	1.00	--	19.1	2.38	--		1
Trichlorofluoromethane	0.281	0.200	--	1.58	1.12	--		1
Isopropanol	18.7	1.00	--	46.0	2.46	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.398	0.200	--	1.94	0.977	--		1
Tetrahydrofuran	1.13	0.500	--	3.33	1.47	--		1

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-02
Client ID: IA-2
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 15:49
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.367	0.200	--	1.29	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.271	0.200	--	1.02	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-02
Client ID: IA-2
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 15:49
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	101		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	101		60-140

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10
Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-02
Client ID: IA-2
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 15:49
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/18/25 20:12
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-03
Client ID: OA-1
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 15:58
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/18/25 17:33
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.620	0.200	--	3.07	0.989	--		1
Chloromethane	0.781	0.200	--	1.61	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.79	1.00	--	9.00	2.38	--		1
Trichlorofluoromethane	0.270	0.200	--	1.52	1.12	--		1
Isopropanol	ND	1.00	--	ND	2.46	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.801	0.500	--	2.36	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	5.42	0.500	--	16.0	1.47	--		1

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10
Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-03
Client ID: OA-1
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 15:58
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-03
Client ID: OA-1
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 15:58
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	102		60-140

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10
Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-03
Client ID: OA-1
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 15:58
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/18/25 17:33
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	95		60-140

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-04
Client ID: OA-2
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 16:03
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/18/25 18:13
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.643	0.200	--	3.18	0.989	--		1
Chloromethane	0.628	0.200	--	1.30	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.48	5.00	--	10.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.21	1.00	--	5.25	2.38	--		1
Trichlorofluoromethane	0.262	0.200	--	1.47	1.12	--		1
Isopropanol	5.01	1.00	--	12.3	2.46	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.29	0.500	--	3.80	1.47	--		1

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-04
Client ID: OA-2
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 16:03
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.278	0.200	--	0.980	0.705	--		1
Benzene	0.293	0.200	--	0.936	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.450	0.200	--	1.70	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-04
Client ID: OA-2
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 16:03
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	97		60-140

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10
Lab Number: L2500525
Report Date: 01/20/25

SAMPLE RESULTS

Lab ID: L2500525-04
Client ID: OA-2
Sample Location: 33 WEST STATE ST.

Date Collected: 01/02/25 16:03
Date Received: 01/06/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/18/25 18:13
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10
Lab Number: L2500525
Report Date: 01/20/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/18/25 16:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG2021062-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	1.00	--	ND	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10
Lab Number: L2500525
Report Date: 01/20/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/18/25 16:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG2021062-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10
Lab Number: L2500525
Report Date: 01/20/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/18/25 16:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG2021062-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10
Lab Number: L2500525
Report Date: 01/20/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 01/18/25 16:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04 Batch: WG2021065-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG2021062-3								
Dichlorodifluoromethane	128		-		70-130	-		
Chloromethane	106		-		70-130	-		
Freon-114	**134**	Q	-		70-130	-		
Vinyl chloride	117		-		70-130	-		
1,3-Butadiene	124		-		70-130	-		
Bromomethane	121		-		70-130	-		
Chloroethane	116		-		70-130	-		
Ethanol	132		-		40-160	-		
Vinyl bromide	120		-		70-130	-		
Acetone	134		-		40-160	-		
Trichlorofluoromethane	120		-		70-130	-		
Isopropanol	87		-		40-160	-		
1,1-Dichloroethene	120		-		70-130	-		
Tertiary butyl Alcohol	125		-		70-130	-		
Methylene chloride	111		-		70-130	-		
3-Chloropropene	121		-		70-130	-		
Carbon disulfide	107		-		70-130	-		
Freon-113	120		-		70-130	-		
trans-1,2-Dichloroethene	123		-		70-130	-		
1,1-Dichloroethane	115		-		70-130	-		
Methyl tert butyl ether	119		-		70-130	-		
2-Butanone	117		-		70-130	-		
cis-1,2-Dichloroethene	118		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG2021062-3								
Ethyl Acetate	130		-		70-130	-		
Chloroform	119		-		70-130	-		
Tetrahydrofuran	114		-		70-130	-		
1,2-Dichloroethane	122		-		70-130	-		
n-Hexane	119		-		70-130	-		
1,1,1-Trichloroethane	117		-		70-130	-		
Benzene	102		-		70-130	-		
Carbon tetrachloride	129		-		70-130	-		
Cyclohexane	117		-		70-130	-		
1,2-Dichloropropane	109		-		70-130	-		
Bromodichloromethane	130		-		70-130	-		
1,4-Dioxane	123		-		70-130	-		
Trichloroethene	115		-		70-130	-		
2,2,4-Trimethylpentane	123		-		70-130	-		
Heptane	118		-		70-130	-		
cis-1,3-Dichloropropene	114		-		70-130	-		
4-Methyl-2-pentanone	119		-		70-130	-		
trans-1,3-Dichloropropene	124		-		70-130	-		
1,1,2-Trichloroethane	112		-		70-130	-		
Toluene	100		-		70-130	-		
2-Hexanone	114		-		70-130	-		
Dibromochloromethane	**132**	Q	-		70-130	-		
1,2-Dibromoethane	112		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG2021062-3								
Tetrachloroethene	109		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	105		-		70-130	-		
p/m-Xylene	108		-		70-130	-		
Bromoform	**139**	Q	-		70-130	-		
Styrene	109		-		70-130	-		
1,1,2,2-Tetrachloroethane	111		-		70-130	-		
o-Xylene	109		-		70-130	-		
4-Ethyltoluene	119		-		70-130	-		
1,3,5-Trimethylbenzene	114		-		70-130	-		
1,2,4-Trimethylbenzene	115		-		70-130	-		
Benzyl chloride	**132**	Q	-		70-130	-		
1,3-Dichlorobenzene	117		-		70-130	-		
1,4-Dichlorobenzene	118		-		70-130	-		
1,2-Dichlorobenzene	114		-		70-130	-		
1,2,4-Trichlorobenzene	125		-		70-130	-		
Naphthalene	**150**	Q	-		70-130	-		
Hexachlorobutadiene	120		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 Batch: WG2021065-3								
Vinyl chloride	95		-		70-130	-		25
1,1-Dichloroethene	97		-		70-130	-		25
cis-1,2-Dichloroethene	96		-		70-130	-		25
1,1,1-Trichloroethane	94		-		70-130	-		25
Carbon tetrachloride	107		-		70-130	-		25
Trichloroethene	96		-		70-130	-		25
Tetrachloroethene	91		-		70-130	-		25

Project Name: BINGHAMTON PLAZA

Project Number: 0426.01214.10

Lab Number: L2500525

Report Date: 01/20/25

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt	Flow Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2500525-01	IA-1	01625	Flow 5	12/23/24	498582		-	-	-	Pass	4.6	5.0	8
L2500525-01	IA-1	2375	2.7L Can	12/23/24	498582	L2474359-04	Pass	-29.3	-8.2	-	-	-	-
L2500525-02	IA-2	02621	Flow 5	12/23/24	498582		-	-	-	Pass	4.6	4.8	4
L2500525-02	IA-2	2074	2.7L Can	12/23/24	498582	L2474359-04	Pass	-29.3	-10.4	-	-	-	-
L2500525-03	OA-1	02075	Flow 5	12/23/24	498582		-	-	-	Pass	4.5	5.1	13
L2500525-03	OA-1	185	2.7L Can	12/23/24	498582	L2474359-04	Pass	-29.3	-9.3	-	-	-	-
L2500525-04	OA-2	02044	Flow 5	12/23/24	498582		-	-	-	Pass	4.6	5.1	10
L2500525-04	OA-2	2213	2.7L Can	12/23/24	498582	L2474359-04	Pass	-29.3	-7.6	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2474359
Report Date: 01/20/25

Air Canister Certification Results

Lab ID: L2474359-04
Client ID: CAN 389 SHELF 16
Sample Location:

Date Collected: 12/17/24 16:00
Date Received: 12/18/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/18/24 20:12
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2474359

Project Number: CANISTER QC BAT **Report Date:** 01/20/25

Air Canister Certification Results

Lab ID: L2474359-04
Client ID: CAN 389 SHELF 16
Sample Location:

Date Collected: 12/17/24 16:00
Date Received: 12/18/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2474359

Project Number: CANISTER QC BAT **Report Date:** 01/20/25

Air Canister Certification Results

Lab ID: L2474359-04
Client ID: CAN 389 SHELF 16
Sample Location:

Date Collected: 12/17/24 16:00
Date Received: 12/18/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2474359
Report Date: 01/20/25

Air Canister Certification Results

Lab ID: L2474359-04
Client ID: CAN 389 SHELF 16
Sample Location:

Date Collected: 12/17/24 16:00
Date Received: 12/18/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2474359

Project Number: CANISTER QC BAT **Report Date:** 01/20/25

Air Canister Certification Results

Lab ID: L2474359-04
Client ID: CAN 389 SHELF 16
Sample Location:

Date Collected: 12/17/24 16:00
Date Received: 12/18/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.1	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2474359

Project Number: CANISTER QC BAT **Report Date:** 01/20/25

Air Canister Certification Results

Lab ID: L2474359-04
Client ID: CAN 389 SHELF 16
Sample Location:

Date Collected: 12/17/24 16:00
Date Received: 12/18/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 20:12
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2474359

Project Number: CANISTER QC BAT **Report Date:** 01/20/25

Air Canister Certification Results

Lab ID: L2474359-04
Client ID: CAN 389 SHELF 16
Sample Location:

Date Collected: 12/17/24 16:00
Date Received: 12/18/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2474359
Report Date: 01/20/25

Air Canister Certification Results

Lab ID: L2474359-04
Client ID: CAN 389 SHELF 16
Sample Location:

Date Collected: 12/17/24 16:00
Date Received: 12/18/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	98		60-140

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10

Lab Number: L2500525
Report Date: 01/20/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2500525-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2500525-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2500525-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2500525-04A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	BINGHAMTON PLAZA	**Lab Number:**	L2500525
Project Number:	0426.01214.10	**Report Date:**	01/20/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	BINGHAMTON PLAZA	**Lab Number:**	L2500525
Project Number:	0426.01214.10	**Report Date:**	01/20/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	BINGHAMTON PLAZA	**Lab Number:**	L2500525
Project Number:	0426.01214.10	**Report Date:**	01/20/25

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

Project Name: BINGHAMTON PLAZA
Project Number: 0426.01214.10
Lab Number: L2500525
Report Date: 01/20/25

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Alpha SOP 23528

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

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

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

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

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

Serial_No:01202516:23

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 1/7/25

ALPHA Job #: L2500525

Client Information

Client: Keystone Material Testing
Address: 58 Exchange ST
Phone: 607-770-9098
Fax:
Email: CTarnowski@KECompanies.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Binghamton Plaza
Project Location: 33 West 56th ST.
Project #: 0426.01214.10
Project Manager: C. Tarnowski
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Normal TAT Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Detection Limit - 1 ug + 0.2 NYS + CAT B

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH (subset non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
00525-01	IA-1	1/2/25	8:15 AM	3:45 PM	28.8	7.1	AA	CT	2.7	2375	01625	X					
02	IA-2		8:17	3:49	28.6	9.6	AA	CT	2.7	2074	02621	X					
03	~~IA-3~~ OA-1		8:21	3:58	28.8	8.1	AA	CT	2.7	185	02075	X					
04	OA-2		8:26	4:03	28.6	6.2	AA	CT	2.7	228	02044	X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	1/6/25 : 9PM		1/6/25 1255
	1/6/25 1500		1/6/25 2300
	1/7/25 0100		1/7/25 01:00
JANSEN	1/7/25 05:00	R. Mendoza AAL	1/7/25 0750

1/7/25 0710 AM TM

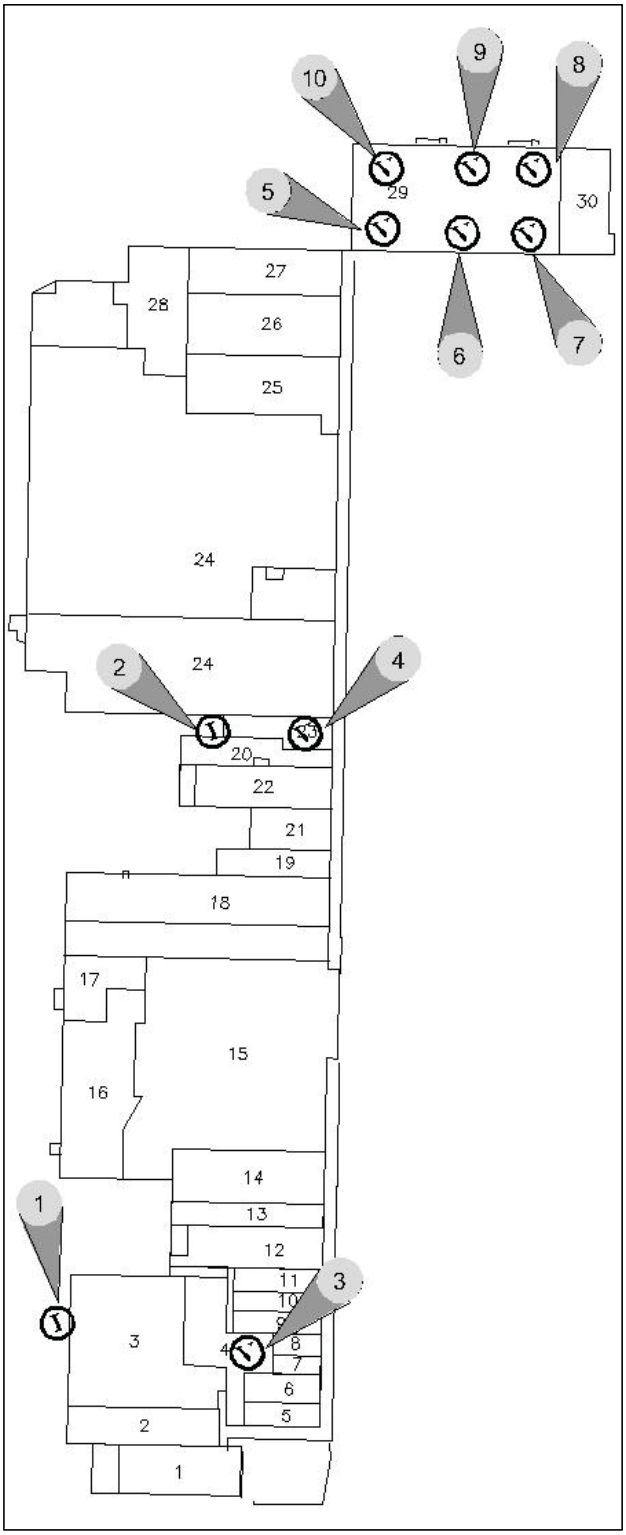
Form No: 101-02 Rev: (25-Sep-15)

Appendix D

Annual Passive Soil Vapor Ventilation System Inspections – Buildings 1-30

(Includes: Periodic Operations Visit Form and Photograph Documentation)

Binghamton Plaza
Passive Ventilation Systems
Building Schematic



Descriptions of Passive Ventilation Systems

1.) Locations 1 and 2 are fresh air intakes for the crawl space beneath Buildings 1 through 28. They are steel "goose-neck" air intakes that extend several feet above grade. Can be inspected from the ground.

2.) Locations 3 and 4: Rooftop exhaust vents that exhaust air from the crawl space beneath Buildings 1 through 28. Must access roof with a ladder to inspect these.

3.) Locations 5 through 10 are rooftop vents that exhaust air from the subslab of Buildings 29 and 30. Can be inspected from the ground.

Inspection Criteria: Passive air intakes and vents must be in place without significant blockages or damage that could restrict airflow.

Inspection Results

Inspection Location	Intact? (Y/N)	Blockages? (Y/N)	Repairs Needed? (Y/N)	General Notes
1	Y	N	Y	Ripped Screen
2	Y	N	Y	Damaged Duct / No Screen
3	Y	N	N	No Roof Access
4	Y	N	N	No Roof Access
5	Y	N	N	No Interior Access (N I A)
6	Y	N	N	N I A
7	Y	N	N	N I A
8	Y	N	N	N I A
9	Y	N	N	N I A
10	Y	N	N	N I A

General Notes

1.) The Binghamton Plaza site is underlain by approximately 30 feet of municipal waste and incinerator ash. The passive crawlspace and sub-slab ventilation systems were designed prevent methane and/or contaminated soil vapors from entering the onsite buildings.

2.) The purpose of this inspection is to verify that these ventilation systems are intact and functioning.

3.) If the passive ventilation systems are compromised to an extent that they can no longer function properly, repairs must be completed to restore their full functionality.

Field Inspection Form
Passive (Crawlspace and Sub-Slab) Ventilation Systems
Binghamton Plaza - Site Management Plan (Appendix G)
Inspection Frequency: Annual

Inspected By: C.Tarnowski Date: 12/23/2024

Weather Conditions: Cloudy

PHOTO LOG

2024 Inspection Services – Passive Vent Inspection
Binghamton Plaza
426.01214.10

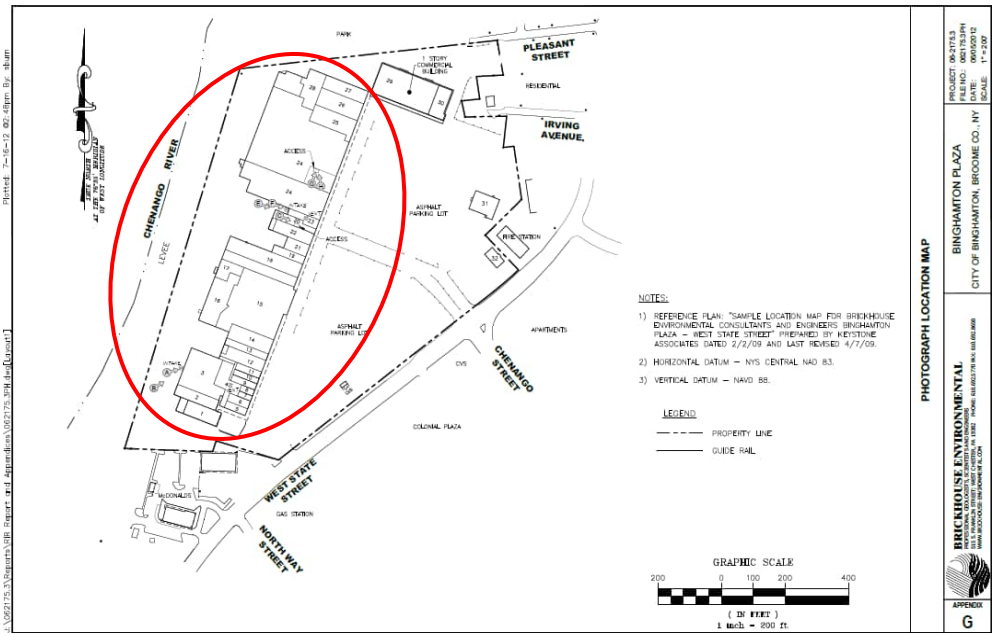


Photo No.	1
Date	12/23/2024
Location: 33 West State Street, Binghamton, NY 13901 (Buildings 1-28)	
Subject: Project Work Site- Buildings 1-28 (Main Plaza).	

Photo No.	2
Date	12/23/2024
Location: 33 West State Street, Binghamton, NY 13901	
Subject: View of exhaust vent to crawlspace (Location #1).	

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG

2024 Inspection Services – Passive Vent Inspection
Binghamton Plaza
426.01214.10

Photo No.	3
Date	12/23/2024
Location: 33 West State Street, Binghamton, NY 13901	
Subject: View of exhaust vent to crawlspace (Location #2).	

Photo No.	4
Date	12/23/2024
Location: 33 West State Street, Binghamton, NY 13901	
Subject: View of roof vent (Location #3). Old project photo- Roof is not safe for inspection	

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG

2024 Inspection Services – Passive Vent Inspection
Binghamton Plaza
426.01214.10

Photo No.	5
Date	12/23/2024

Location:
33 West State Street,
Binghamton, NY 13901

Subject:

View of roof vent (Location #4). Old project photo- Roof is not safe for inspection

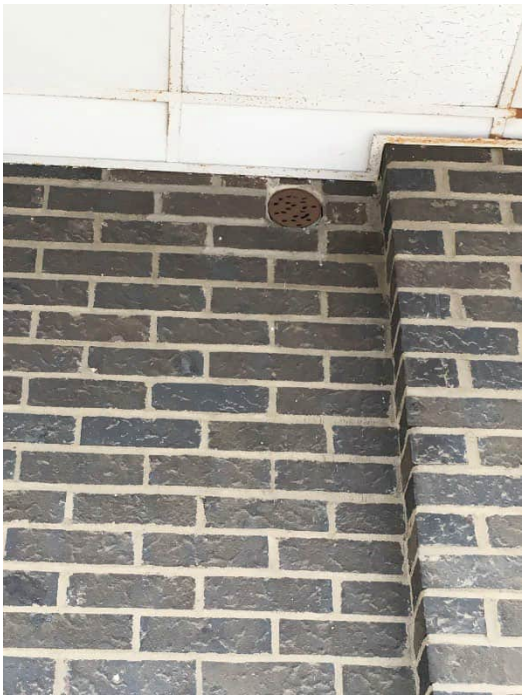


Photo No.	6
Date	12/23/2024

Location:
33 West State Street,
Binghamton, NY 13901

Subject:

View of the passive system exhausts at the exterior for building 29-30.

*No interior access

Appendix E

Annual Sub-Slab Depressurization System Operation & Maintenance Inspection For Building No.'s 31-33

(Includes: Periodic Operations Visit Form and Photograph Documentation)

Periodic Operations Visit Form

☐ Check box if new sys info

System ID: **NYSDEC #704049** Date of Visit: **1/2/2025**

Owner Name: Binghamton Plaza Inc- Galesi Realty
Date Installed: 8/28/2007
System Address: 33 West State Street- Building #31
Telephone: 973-256-6600 x 19
City: Binghamton Zip: 13901
Alt. Telephone: 607-723-0905
Performed By: C.Tarnowski
Site No: C704049
Company: Keystone Environmental Services (KES)
Site Name: Binghamton Plaza

EXTERIOR

Fan Operation Confirmation

	Fan #1	Fan #2	Fan #3
Fan Model No(s).	CAV100		
Is Fan Operating (arrival)?	◉ Yes ○ No	○ Yes ○ No	○ Yes ○ No
Confirmation Method	Sound		
Is Fan Operating (departure)?	◉ Yes ○ No	○ Yes ○ No	○ Yes ○ No

Requested to inspect interior system components? ◉ Yes ○ No

If yes, when and by whom? Owner/DEC Date: 5/9/2024

INTERIOR

Structural Review			Notes
Change in building footprint since last inspection?	○ Yes	◉ No	
Basement occupied (>4 hrs per day)?	◉ Yes	○ No	Slab on grade
Heating/ventilation system modifications?	○ Yes	◉ No	
Crawlspace inspected?	○ Yes	○ No	NA
Large cracks in floor or near sumps?	○ Yes	◉ No	
Wall penetrations or cracks noted?	○ Yes	◉ No	
Piping, Slab & Wall			
Are system suction points sealed?	◉ Yes	○ No	
Is piping system in need of repair?	○ Yes	◉ No	
Miscellaneous			
Are manometer levels equal?	○ Yes	○ No	
Are system labels accurate and applied correctly?	◉ Yes	○ No	

Maintenance completed (check all that apply): ☐ Replace fan ☐ Seal pipe ☐ Electrical ☒ Other

Describe repairs made and any proposed actions requiring a subsequent visit (if necessary):

HVAC Inspection preformed by SureTemp- Found HVAC in working conditions. Recommend yearly maintenance to replace belts and filters, as needed

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG

2024 Inspection Services- ASD O&M Inspection
Binghamton Plaza
426.01214.10

Photo No.	1
Date	1/2/2025
Location: 33 West State Street, Binghamton, NY 13901 (Building 31)	
Subject: Project Work Site- Building 31 (Kurious Kids Child).	

Photo No.	2
Date	1/2/2025
Location: 33 West State Street, Binghamton, NY 13901 (Building 31)	
Subject: CAV 100 fan at the building exterior.	

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG

2024 Inspection Services- ASD O&M Inspection
Binghamton Plaza
426.01214.10

Photo No.	3
Date	1/2/2025
Location: 33 West State Street, Binghamton, NY 13901 (Building 31)	
Subject: View of suction point #2 U-Tube gauge and system labeling. U-tube vacuum gauge reading at 0.5" WC.	

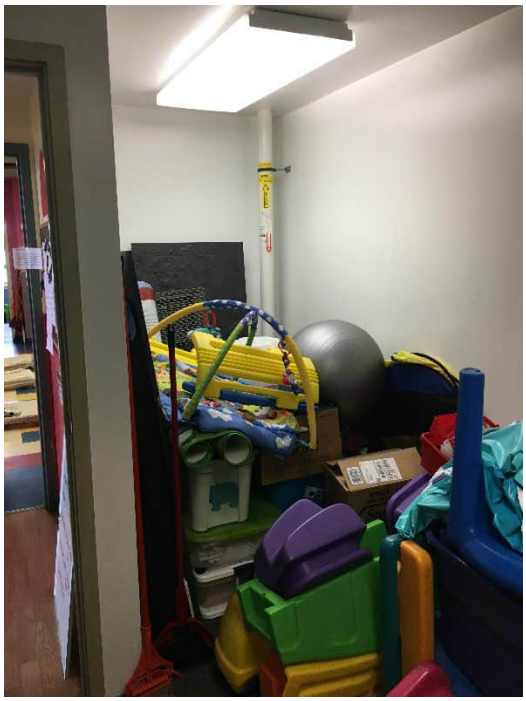


Photo No.	4
Date	1/2/2025
Location: 33 West State Street, Binghamton, NY 13901 (Building 31)	
Subject: View of suction point #1 U-Tube gauge and system labeling.	

Periodic Operations Visit Form

☐ Check box if new sys info

System ID: **NYSDEC #704049**

Date of Visit: **1/2/2025**

Owner Name: Binghamton Plaza Inc- Galesi Realty

Date Installed: 8/27/2007

System Address: 33 West State Street- Building #32

Telephone: 973-256-6600 x 19

City: Binghamton Zip: 13901

Alt. Telephone: 607-723-0905

Performed By: C.Tarnowski

Site No: C704049

Company: Keystone Environmental Services (KES)

Site Name: Binghamton Plaza

EXTERIOR

Fan Operation Confirmation

	Fan #1	Fan #2	Fan #3
Fan Model No(s).	CAV100		
Is Fan Operating (arrival)?	◉ Yes ○ No	○ Yes ○ No	○ Yes ○ No
Confirmation Method	Sound		
Is Fan Operating (departure)?	◉ Yes ○ No	○ Yes ○ No	○ Yes ○ No

Requested to inspect interior system components? ◉ Yes ○ No

If yes, when and by whom? Owner/DEC Date: 5/9/2024

INTERIOR

Structural Review			Notes
Change in building footprint since last inspection?	○ Yes	◉ No	
Basement occupied (>4 hrs per day)?	◉ Yes	○ No	Slab on grade
Heating/ventilation system modifications?	○ Yes	◉ No	
Crawlspace inspected?	○ Yes	○ No	NA
Large cracks in floor or near sumps?	○ Yes	◉ No	
Wall penetrations or cracks noted?	○ Yes	◉ No	
Piping, Slab & Wall			
Are system suction points sealed?	◉ Yes	○ No	
Is piping system in need of repair?	○ Yes	◉ No	
Miscellaneous			
Are manometer levels equal?	○ Yes	◉ No	
Are system labels accurate and applied correctly?	◉ Yes	○ No	

Maintenance completed (check all that apply): ☐ Replace fan ☐ Seal pipe ☐ Electrical ☐ Other

Describe repairs made and any proposed actions requiring a subsequent visit (if necessary):

N/A

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG

2024 Inspection Services – ASD O&M Inspection
Binghamton Plaza
426.01214.10

Photo No.	1
Date	1/2/2025
Location: 33 West State Street, Binghamton, NY 13901 (Building 32)	
Subject: Project Work Site- Building 32	

Photo No.	2
Date	1/2/2025
Location: 33 West State Street, Binghamton, NY 13901 (Building 32)	
Subject: CAV 100 fan at the building exterior.	

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG

2024 Inspection Services – ASD O&M Inspection
Binghamton Plaza
426.01214.10

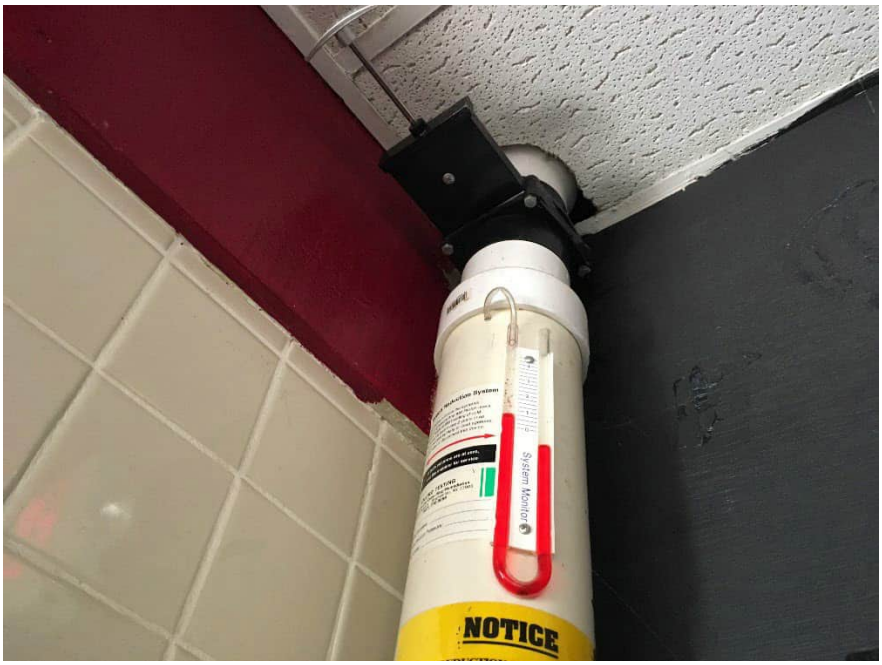


Photo No.	3
Date	1/2/2025

Location:
33 West State Street,
Binghamton, NY 13901
(Building 32)

Subject:
Interior suction point #1 showing U-tube vacuum gauge, system labeling and balancing valve.

Photo No.	4
Date	1/2/2025

Location:
33 West State Street,
Binghamton, NY 13901
(Building 32)

Subject:
Interior suction point #2 showing U-tube vacuum gauge, system labeling and balancing valve.

Periodic Operations Visit Form

☐ Check box if new sys info

System ID: **NYSDEC #704049** Date of Visit: **1/2/2025**

Owner Name: Binghamton Plaza Inc- Galesi Realty Date Installed: 8/28/2007

System Address: 33 West State Street- Building #33 Telephone: 973-256-6600 x 19

City: Binghamton Zip: 13901 Alt. Telephone: 607-723-0905

Performed By: C.Tarnowski Site No: C704049

Company: Keystone Environmental Services (KES) Site Name: Binghamton Plaza

EXTERIOR

Fan Operation Confirmation

	Fan #1	Fan #2	Fan #3
Fan Model No(s).	CAV100		
Is Fan Operating (arrival)?	◉ Yes ○ No	○ Yes ○ No	○ Yes ○ No
Confirmation Method	Sound		
Is Fan Operating (departure)?	◉ Yes ○ No	○ Yes ○ No	○ Yes ○ No

Requested to inspect interior system components? ◉ Yes ○ No

If yes, when and by whom? Owner/DEC Date: 5/9/2024

INTERIOR

Structural Review			Notes
Change in building footprint since last inspection?	○ Yes	◉ No	
Basement occupied (>4 hrs per day)?	◉ Yes	○ No	Slab on grade- Bank
Heating/ventilation system modifications?	○ Yes	◉ No	
Crawlspace inspected?	○ Yes	○ No	NA
Large cracks in floor or near sumps?	○ Yes	◉ No	
Wall penetrations or cracks noted?	○ Yes	◉ No	
Piping, Slab & Wall			
Are system suction points sealed?	◉ Yes	○ No	
Is piping system in need of repair?	○ Yes	◉ No	
Miscellaneous			
Are manometer levels equal?	○ Yes	◉ No	
Are system labels accurate and applied correctly?	◉ Yes	○ No	

Maintenance completed (check all that apply): ☐ Replace fan ☐ Seal pipe ☐ Electrical ☐ Other

Describe repairs made and any proposed actions requiring a subsequent visit (if necessary):

N/A

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG

2024 Inspection Services- ASD O&M Inspection
Binghamton Plaza
426.01214.10

Photo No. 1
Date 1/2/2025

Location:
33 West State Street,
Binghamton, NY 13901
(Building 33)

Subject:
Project Work Site- Building 33 (M&T Bank Drive Up).

Photo No. 2
Date 1/2/2025

Location:
33 West State Street,
Binghamton, NY 13901
(Building 33)

Subject:
Suction point #1 showing vacuum gauge and system labeling.

KEYSTONE ENVIRONMENTAL SERVICES

PHOTO LOG

2024 Inspection Services- ASD O&M Inspection
Binghamton Plaza
426.01214.10

Photo No.	5
Date	1/2/2025

Location:
33 West State Street,
Binghamton, NY 13901
(Building 33)

Subject:
Exterior mounted SSDS Fan with stack and rain cap. Fan model FanAm CAV100.

APPENDIX B

Groundwater Analytical Results
(May 2025)

August 20, 2025

Douglas Schott, P.G.
ARM Group, LLC
515 South Franklin Street
West Chester, PA 19382

Re: Data Usability Summary Report – Eurofins Lancaster Laboratories – May 2025 Samples

Dear Mr. Schott:

The evaluation of analytical data for organic and inorganic analysis parameters by Eurofins Lancaster Laboratories for five groundwater samples, one equipment blank, and one trip blank from the Binghamton Plaza Kmart site, which were reported in a single data package under Job No. 410-225004-1, has been completed. The data package was received by ddms, inc. (ddms) for review, and the following samples were reported:

MW-2D	MW-3D	MW-6D	MW-7D	MW-8
EB	Trip Blank			

Analyses were performed in accordance with the following methods:

Volatile Organic Compounds (VOCs)	SW846 Method 8260D
Semivolatile Organic Compounds (SVOCs)	SW846 Method 8270D
EDB, DBCP, and 1,2,3-TCP	SW846 Method 8011
Total and Dissolved Metals	SW846 Method 6010D
Total and Dissolved Mercury	SW846 Method 7470A
Total Phenols	USEPA 420.4

ddms' review was performed, to the extent possible, in accordance with the analytical methods, applicable ddms Standard Operating Procedures, and "DER-10/Technical Guidance for Site Investigation and Remediation." Professional judgment was applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 were applied.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No – See Following Sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes

Data Usability Summary Report	
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes
6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes
7. Have any quality control (QC) exceedances been specifically noted in the DUSR and has the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Based on the data review effort, results are usable, with the following qualifications:

SVOCs

- The result for di-n-octyl phthalate in sample MW-2D was qualified as estimated (UJ) due to CCV %D outside of acceptable QC limits.
- Results for all target compounds in all samples were qualified as estimated (J, UJ) due to low recoveries of both acid and base-neutral surrogates.
- Results for the fluorene and pyrene in samples MW-6D and MW-8 were qualified as not detected (U) at the reporting limit (RL) due to associated method blank contamination.
- Results for 3,3'-dichlorobenzidine, 4-nitrophenol, caprolactam, hexachlorocyclopentadiene and phenol in sample MW-2D and results for 2,4-dinitrophenol, 2-chlorophenol, 2-methylphenol, 2-nitrophenol, 3,3'-dichlorobenzidine, 4-chloro-3-methylphenol, 4-chloroaniline, 4-methylphenol, 4-nitrophenol, caprolactam, dimethyl phthalate, hexachlorocyclopentadiene, hexachloroethane and phenol in samples MW-3D, MW-6D, MW-7D, MW-8 and EB were qualified as estimated (UJ) due to low LCS %R.
- Results for 4-Chloroaniline and hexachloroethane in sample MW-2D were qualified as estimated (UJ) due to low LCSD %R.
- Results for 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 2,4-dimethylphenol, 2,4-dichlorophenol, 2-methylphenol, 2-nitroaniline, 2-nitrophenol, 3,3'-dichlorobenzidine, 3-nitroaniline, 4-chloro-3-methylphenol, 4-chloroaniline, 4-methylphenol, 4-nitroaniline, 4-nitrophenol, atrazine, benzaldehyde, butylbenzylphthalate, caprolactam, di-n-octyl phthalate, diethyl phthalate, dimethyl phthalate, hexachlorocyclopentadiene, hexachloroethane, pentachlorophenol, and phenol in MW-3D were qualified as estimated (UJ) due to low MS and/or MSD recoveries and/or imprecision between MS and MSD results.

Metals

- The result for chromium in sample MW-2D was qualified as not detected (U) at the RL due to method blank contamination.

All qualifiers applied as a result of the validation process are reflected on the Analytical Reports included as Attachment A to this report. Qualifier definitions are also provided in the attachment. Copies of the laboratory case narrative and chain of custody record are provided in Attachment B. Pages from the data package illustrating the exceedances that resulted in qualification of results are included as Attachment C.

The following components were reviewed, where applicable:

- Chain of custody
- Receiving conditions
- Holding times
- Sample integrity
- Analyte lists
- Reporting limits
- Requested method
- Units
- Sample related quality control data:
    - Blanks
    - LCS/LCSD recoveries
    - Internal standard areas
    - Duplicates
- Instrument related quality control data:
    - Instrument tunes
    - Calibration summaries

In the remaining sections of this report, all quality excursions resulting in qualified data are discussed.

When a sample result is qualified estimated 'J' in addition to estimated 'J+' or 'J-' or is qualified both 'J+' and 'J-', the 'J' qualifier takes precedence and the bias is indeterminate. When a sample result is rejected (R), the 'R' qualifier takes precedence over any previous qualification.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Samples MW-6D and MW-8 were reextracted and reanalyzed for SVOC analysis due to poor surrogate recovery. Surrogate recovery from the reextracted analysis was still outside of QC limits and reextracted samples were ran outside of holding time. The provided EDD marked the reextracted analysis samples as not reportable, therefore this data review used the initial analysis results of SVOC for samples MW-6D and MW-8.

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody record was included in the data package, documenting collection dates of May 29 and 30, 2025. The samples were received by the laboratory on May 30, 2025. The cooler temperatures on receipt of the samples (5.9°C; criterion <10°C) were acceptable. All samples were analyzed within analytical method required holding time.

A. Volatile Organic Compounds

1. Calibration

Two initial calibrations (ICs), performed on April 7, 2025 and April 22, 2025, were reported in support of the samples associated with this data set. Documentation of all individual IC standards was present in the data package, and average relative response factor (RRF) as well as percent relative standard (%RSD) values were correctly calculated and accurately reported. All %RSD values were below the maximum acceptance limit (20%), and average RRF values were greater than the minimum acceptance limit (0.05).

An ICV standard was analyzed after each IC. The %Ds for the ICV standard were less than 20%. Average RRF values were greater than the minimum acceptance limit of 0.05 for all analytes.

Two CCV standards were reported across the data set. Results for the CC standards were acceptable (QC ≤20%D), with the following exceptions:

Analyte	%D	Associated Samples	Qualfier Applied
CCVIS 410-655353/4 // 06/10/2025 @ 13:22			
Chloromethane	+20.2	EB MW-2D MW-6D MW-7D MW-8 MW-3D	None
Carbon Disulfide	+22.1		
CCVIS 410-656473/3 // 06/12/2025 @ 09:28			
Acetone	+29.5	Trip Blank	None

Since the %D were high and none of the above analytes were detected in any of the associated samples, no action was necessary on this basis.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD)

Sample MW-3D was prepared as an MS/MSD pair. MS/MSD %Rs and relative percent differences (RPDs) between MS and MSD results were acceptable (validation limits 70-130%R; <30 RPD), with the following exceptions:

Analyte	MS %R	MSD %R	RPD	Qualifier Applied
1,1-Dichloroethene	140	143	a	None
Carbon Disulfide	145	149	a	
Chloromethane	132	134	a	
Cyclohexane	139	140	a	
Vinyl Chloride	131	135	a	

No detects of the above analytes were found in the parent sample MW-3D, therefor no qualification was deemed necessary.

B. Semivolatile Organic Compounds

1. Calibration

Six initial calibrations (ICs), performed on April 9, 2025, April 10, 2025, May 1, 2025, May 7, 2025, May 22, 2025, and May 30, 2025 were reported in support of the samples associated with this data set. Documentation of all individual IC standards was present in the data package, and average relative response factor (RRF) as well as percent relative standard (%RSD) values were correctly calculated and accurately reported. All %RSD values were below the maximum acceptance limit (20%), and average RRF values were greater than the minimum acceptance limit (0.05).

An ICV standard was analyzed after each IC. Average RRF values were greater than the minimum acceptance limit of 0.05 for all analytes and the %Ds for the ICV standard were less than 20% with exception of the following:

Analyte	**%D**	**Associated Samples**	**Qualfier Applied**
ICV 410-651088/12 // 05/31/2025 @ 02:04			
3,3'-Dichlorobenzidine	+34.1	MW-6D RE MW-8 RE	None
ICV 410-641051/12 // 05/08/2025 @ 03:22			
3,3'-Dichlorobenzidine	+40.9	MW-3D MW-6D MW-7D MW-8 EB	None

Since the %D were high and none of the above compounds were detected in any of the associated samples, no action was necessary on this basis.

Six CCV standards were reported across the data set. Results for the CC standards were acceptable (QC ≤20%D), with the following exceptions:

Analyte	**%D**	**Associated Samples**	**Qualfier Applied**
CCVIS 410-653692/2 // 06/05/2025 @ 21:20			
Di-n-octyl phthalate	-23.7	MW-2D	UJ

The result for di-n-octyl phthalate in sample MW-2D was qualified as estimated (UJ) due to CCV %D outside of acceptable QC limits.

2. Surrogates

Surrogate compounds 2-fluorophenol (2FP), phenol-d_5 (PHL), nitrobenzene-d_5 (NBZ), 2-fluorobiphenyl (FBP), 2,4,6-tribromophenol (TBP), and terphenyl-d_{14} (TPHd14) were used. The laboratory-specified acceptance limits for the surrogates are overly wide and low; therefore, validation limits of 70-130% were applied. Surrogate percent recoveries (%Rs) were acceptable, with the following exceptions:

Sample	2FP	PHL	NBZ	FBP	TBP	TPHd14	Qualifier Applied
MW-2D	44	47	25	47	65	17	J, UJ
MW-3D	50	a	30	61	61	18	J, UJ
MW-6D	2	a	0.9	a	50	13	J, UJ
MW-7D	36	a	15	60	61	10	J, UJ
MW-8	59	a	37	a	49	24	J, UJ
EB	60	62	28	51	a	18	J, UJ

a = Acceptable

Results for all target compounds in all samples were qualified as estimated (J, UJ) due to low recoveries of both acid and base-neutral surrogates.

3. Blanks

Three method blanks were prepared and analyzed with the samples. One equipment blank (EB) was submitted with the field samples. No detections were reported in the equipment blank. The following detections were reported in the method blank:

Blank	Analyte	Concentration (µg/L)	Affected Samples	Qualifier Applied
MB 410-653575/1-A	Acenaphthene	0.456	MW-3D MW-6D MW-7D MW-8 EB	None
	Fluorene	0.814		U, None
	Pyrene	0.232		

Results for the fluorene and pyrene in samples MW-6D and MW-8 were qualified as not detected (U) at the RL due to associated method blank contamination.

4. Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/LCSD)

Three LCS were prepared and analyzed with the site samples, along with one LCSD associated with LCS 410-653019. The laboratory-specified acceptance limits for the LCS are overly wide and low; therefore, validation limits of 70-130% were applied. LCS %Rs were acceptable, with the following exceptions:

Analyte	LCS %R	LCSD %R	Affected Samples	Qualifier Applied
LCS 410-653019/2-A // LCSD 410-653019/3-A				
3,3'-Dichlorobenzidine	61	56	MW-2D	UJ
4-Chloroaniline	a	69		
4-Nitrophenol	56	46		
Caprolactam	29	25		
Hexachlorocyclopentadiene	63	59		
Hexachloroethane	a	59		
Phenol	49	50		
LCS 410-653575/2-A				
2,4-Dinitrophenol	67	na	MW-3D MW-6D MW-7D MW-8 EB	UJ
2-Chlorophenol	68	na		
2-Methylphenol	63	na		
2-Nitrophenol	67	na		
3,3'-Dichlorobenzidine	65	na		
4-Chloro-3-methylphenol	69	na		
4-Chloroaniline	61	na		
4-Methylphenol	53	na		
4-Nitrophenol	41	na		
Caprolactam	21	na		
Dimethyl phthalate	61	na		
Hexachlorocyclopentadiene	61	na		
Hexachloroethane	64	na		
Phenol	38	na		

a = acceptable
na = not applicable

Results for 3,3'-dichlorobenzidine, 4-nitrophenol, caprolactam, hexachlorocyclopentadiene and phenol in sample MW-2D and results for 2,4-dinitrophenol, 2-chlorophenol, 2-methylphenol, 2-nitrophenol, 3,3'-dichlorobenzidine, 4-chloro-3-methylphenol, 4-chloroaniline, 4-methylphenol, 4-nitrophenol, caprolactam, dimethyl phthalate, hexachlorocyclopentadiene, hexachloroethane and phenol in samples MW-3D, MW-6D, MW-7D, MW-8 and EB were qualified as estimated (UJ) due to low LCS %R.

Results for 4-Chloroaniline and hexachloroethane in sample MW-2D were qualified as estimated (UJ) due to low LCSD %R.

5. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Sample MW-3D was prepared as an MS/MSD pair. MS/MSD %Rs and relative percent differences (RPDs) between MS and MSD results were acceptable (validation limits 70-130%R; <30 RPD), with the following exceptions:

Analyte	MS %R	MSD %R	RPD	Qualifier Applied
2,4,5-Trichlorophenol	a	a	21	UJ
2,4,6-Trichlorophenol	a	a	22	
2,4-Dimethylphenol	37	44	a	

Analyte	MS %R	MSD %R	RPD	Qualifier Applied
2,4-Dichlorophenol	66	a	a	
2-Methylphenol	55	62	a	
2-Nitroaniline	a	a	21	
2-Nitrophenol	66	a	22	
3,3'-Dichlorobenzidine	57	66	a	
3-Nitroaniline	64	a	29	
4-Chloro-3-methylphenol	57	69	27	
4-Chloroaniline	47	64	31	
4-Methylphenol	44	51	a	
4-Nitroaniline	68	a	26	
4-Nitrophenol	42	48	a	
Atrazine	a	a	23	
Benzaldehyde	68	a	a	
Butylbenzylphthalate	66	a	a	
Caprolactam	18	23	27	
Di-n-octyl phthalate	a	a	31	
Diethyl phthalate	a	a	24	
Dimethyl phthalate	59	a	22	
Hexachlorocyclopentadiene	67	a	a	
Hexachloroethane	62	68	a	
Pentachlorophenol	54	59	a	
Phenol	33	40	a	

Results for 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 2,4-dimethylphenol, 2,4-dichlorophenol, 2-methylphenol, 2-nitroaniline, 2-nitrophenol, 3,3'-dichlorobenzidine, 3-nitroaniline, 4-chloro-3-methylphenol, 4-chloroaniline, 4-methylphenol, 4-nitroaniline, 4-nitrophenol, atrazine, benzaldehyde, butylbenzylphthalate, caprolactam, di-n-octyl phthalate, diethyl phthalate, dimethyl phthalate, hexachlorocyclopentadiene, hexachloroethane, pentachlorophenol, and phenol in MW-3D were qualified as estimated (UJ) due to low MS and/or MSD recoveries and/or imprecision between MS and MSD results.

C. Ethylene Dibromide, 1,2-Dibromo-3-chloropropane & 1,1,2,2-Tetrachloroethane

1. Calibration

One initial calibration (IC) was performed on June 4, 2025, and was reported in support of the samples associated with this data set. Documentation of all individual IC standards was present in the data package, and average relative response factor (RRF) as well as percent relative standard (%RSD) values were correctly calculated and accurately reported. All %RSD values were below the maximum acceptance limit (20%).

An ICV standard was analyzed after the IC. The %Ds for the ICV standard were less than 20%.

Four CCV standards were reported across the data set. Results for the CC standards were

acceptable (QC ≤20%D), with the following exceptions:

Analyte	Column 1 %D	Column 2 %D	Associated Samples	Qualfier Applied
	CCVIS 410-654000/37 // 06/06/2025 @ 21:57			
1,2-Dibromo-3-Chloropropane	+30.1	+23.9	EB MW-2D MW-6D MW-7D MW-8 MW-3D	None

Since the %Ds were high on both columns and 1,2-dibromo-3-chloropropane was not detected in any of the associated samples, no action was necessary on this basis.

D. Metals

1. Blanks

Initial calibration blanks (ICB) and continuing calibration blanks (CCB) were analyzed at appropriate frequencies throughout both analysis series. Two method blanks (MBs) were prepared and analyzed with the samples. One EB was submitted with the samples. The following detects were in the method blank:

Analyte	Concentration (ug/L)	Affected Samples	Qualifier
MB 410-654487/1-A			
Chromium	0.627	MW-2D MW-3D MW-6D MW-7D MW-8 EB	U, None

The result for chromium in sample MW-2D was qualified as not detected (U) at the RL due to method blank contamination.

E. Mercury

Results for all target analytes in the metals analyses were determined to be usable as reported by the laboratory. No qualification of data was applied as a result of the data review.

F. Total Phenols

Results for total phenol in these analyses were determined to be usable as reported by the laboratory. No qualification of data was applied as a result of the data review.

Please feel free to contact me at (651) 583-8724 or astults@ddmsinc.com if you have any questions regarding this data package review report or need further information.

Regards,

de maximis Data Management Solutions, Inc.

Angela Stults

Angela Stults
Environmental Chemist

EPA Qualifier Definitions

U	**The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.**
J	**The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.**
J+	**The result is an estimated quantity, but the result may be biased high.**
J-	**The result is an estimated quantity, but the result may be biased low.**
NJ	**The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the sample.**
UJ	**The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.**
R	**The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.**

ATTACHMENT A

ANALYTICAL RESULTS FORMS
Laboratory Job No. 410-225004-1

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 09:06
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number: 654487
Instrument ID: E09 - 30921

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.81	2.0	0.68	ug/L	J		1	6020B
7440-39-3	Barium	39	2.0	0.75	ug/L			1	6020B
7440-43-9	Cadmium	ND	0.50	0.15	ug/L			1	6020B
7440-47-3	Chromium	2.0 ~~0.92~~	2.0	0.55	ug/L	~~J~~ U	B	1	6020B
7439-92-1	Lead	1.1	0.50	0.12	ug/L			1	6020B
7782-49-2	Selenium	0.53	1.0	0.28	ug/L	J		1	6020B
7440-22-4	Silver	ND	0.50	0.10	ug/L			1	6020B

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: EB
Lab Sample ID: 410-225004-6

Matrix: Water
Lab File ID: JF0648.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:35

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 232(mL)
Date Analyzed: 06/06/2025 18:25

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND	UJ	2.2	0.54
108-60-1	bis(1-chloroispropyl)ether	ND	~~cn~~	2.2	0.54
95-95-4	2,4,5-Trichlorophenol	ND		2.2	0.54
88-06-2	2,4,6-Trichlorophenol	ND		2.2	0.54
120-83-2	2,4-Dichlorophenol	ND		2.2	0.54
105-67-9	2,4-Dimethylphenol	ND		11	3.2
51-28-5	2,4-Dinitrophenol	ND		32	15
121-14-2	2,4-Dinitrotoluene	ND		5.4	1.1
606-20-2	2,6-Dinitrotoluene	ND		2.2	0.54
91-58-7	2-Chloronaphthalene	ND		1.1	0.43
95-57-8	2-Chlorophenol	ND		2.2	0.54
91-57-6	2-Methylnaphthalene	ND		0.54	0.11
95-48-7	2-Methylphenol	ND		2.2	0.54
88-74-4	2-Nitroaniline	ND		5.4	1.1
88-75-5	2-Nitrophenol	ND		5.4	1.1
91-94-1	3,3'-Dichlorobenzidine	ND	~~cn~~	11	4.3
99-09-2	3-Nitroaniline	ND		5.4	2.2
534-52-1	4,6-Dinitro-2-methylphenol	ND		23	8.6
101-55-3	4-Bromophenyl-phenylether	ND		2.2	0.54
59-50-7	4-Chloro-3-methylphenol	ND		5.4	1.1
106-47-8	4-Chloroaniline	ND		11	4.3
7005-72-3	4-Chlorophenyl-phenyl ether	ND		2.2	0.54
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND		2.2	0.54
100-01-6	4-Nitroaniline	ND		3.2	0.97
100-02-7	4-Nitrophenol	ND		32	11
83-32-9	Acenaphthene	ND		0.54	0.11
208-96-8	Acenaphthylene	ND		0.54	0.11
98-86-2	Acetophenone	ND		5.4	1.1
120-12-7	Anthracene	ND	UJ	0.54	0.11

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: EB
Lab Sample ID: 410-225004-6

Matrix: Water
Lab File ID: JF0648.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:35

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 232(mL)
Date Analyzed: 06/06/2025 18:25

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND	UJ	5.4	1.1
100-52-7	Benzaldehyde	ND		5.4	1.1
56-55-3	Benzo[a]anthracene	ND		0.54	0.11
50-32-8	Benzo[a]pyrene	ND		0.54	0.12
205-99-2	Benzo[b]fluoranthene	ND		0.54	0.11
191-24-2	Benzo[g,h,i]perylene	ND		0.54	0.11
207-08-9	Benzo[k]fluoranthene	ND		0.54	0.11
85-68-7	Butylbenzylphthalate	ND		5.4	2.2
105-60-2	Caprolactam	ND		7.5	3.2
86-74-8	Carbazole	ND		2.2	0.54
218-01-9	Chrysene	ND		0.54	0.11
84-74-2	Di-n-butyl phthalate	ND		5.4	2.2
117-84-0	Di-n-octyl phthalate	ND		12	5.4
53-70-3	Dibenz(a,h)anthracene	ND		0.54	0.11
132-64-9	Dibenzofuran	ND		2.2	0.54
84-66-2	Diethyl phthalate	ND		5.4	2.2
131-11-3	Dimethyl phthalate	ND		5.4	2.2
206-44-0	Fluoranthene	ND		0.54	0.11
86-73-7	Fluorene	ND		0.54	0.13
118-74-1	Hexachlorobenzene	ND		0.54	0.12
87-68-3	Hexachlorobutadiene	ND		2.2	0.54
77-47-4	Hexachlorocyclopentadiene	ND		12	5.4
67-72-1	Hexachloroethane	ND		5.4	0.54
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.54	0.12
78-59-1	Isophorone	ND		2.2	0.54
621-64-7	N-Nitrosodi-n-propylamine	ND		2.2	0.54
86-30-6	N-Nitrosodiphenylamine	ND		2.2	0.54
91-20-3	Naphthalene	ND		0.54	0.28
98-95-3	Nitrobenzene	ND		2.2	0.54
87-86-5	Pentachlorophenol	ND	UJ	5.4	2.8

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: EB
Lab Sample ID: 410-225004-6

Matrix: Water
Lab File ID: JF0648.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:35

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 232(mL)
Date Analyzed: 06/06/2025 18:25

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND	UJ	0.54	0.12
108-95-2	Phenol	ND		2.2	0.54
129-00-0	Pyrene	ND		0.54	0.11
111-91-1	Bis(2-chloroethoxy)methane	ND		2.2	0.54
111-44-4	Bis(2-chloroethyl)ether	ND		2.2	0.54
117-81-7	Bis(2-ethylhexyl) phthalate	ND	UJ	5.4	2.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	60		13-134
321-60-8	2-Fluorobiphenyl (Surr)	62		45-120
367-12-4	2-Fluorophenol (Surr)	28		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	51		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	82		26-123
4165-62-2	Phenol-d5 (Surr)	18		10-120

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Matrix: Water
Lab File ID: HF0577.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:06

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 244.9(mL)
Date Analyzed: 06/06/2025 06:52

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653692
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP18831

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND	UJ	2.0	0.51
108-60-1	bis(1-chloroispropyl)ether	ND		2.0	0.51
95-95-4	2,4,5-Trichlorophenol	ND		2.0	0.51
88-06-2	2,4,6-Trichlorophenol	ND		2.0	0.51
120-83-2	2,4-Dichlorophenol	ND		2.0	0.51
105-67-9	2,4-Dimethylphenol	ND		10	3.1
51-28-5	2,4-Dinitrophenol	ND		31	14
121-14-2	2,4-Dinitrotoluene	ND		5.1	1.0
606-20-2	2,6-Dinitrotoluene	ND		2.0	0.51
91-58-7	2-Chloronaphthalene	ND		1.0	0.41
95-57-8	2-Chlorophenol	ND		2.0	0.51
91-57-6	2-Methylnaphthalene	ND		0.51	0.10
95-48-7	2-Methylphenol	ND		2.0	0.51
88-74-4	2-Nitroaniline	ND		5.1	1.0
88-75-5	2-Nitrophenol	ND		5.1	1.0
91-94-1	3,3'-Dichlorobenzidine	ND		10	4.1
99-09-2	3-Nitroaniline	ND		5.1	2.0
534-52-1	4,6-Dinitro-2-methylphenol	ND		21	8.2
101-55-3	4-Bromophenyl-phenylether	ND		2.0	0.51
59-50-7	4-Chloro-3-methylphenol	ND		5.1	1.0
106-47-8	4-Chloroaniline	ND		10	4.1
7005-72-3	4-Chlorophenyl-phenyl ether	ND		2.0	0.51
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND		2.0	0.51
100-01-6	4-Nitroaniline	ND		3.1	0.92
100-02-7	4-Nitrophenol	ND		31	10
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND	UJ	0.51	0.10
98-86-2	Acetophenone	4.1	J	5.1	1.0
120-12-7	Anthracene	ND	UJ	0.51	0.10

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Matrix: Water
Lab File ID: HF0577.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:06

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 244.9(mL)
Date Analyzed: 06/06/2025 06:52

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653692
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP18831

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND	UJ	5.1	1.0
100-52-7	Benzaldehyde	ND		5.1	1.0
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.11
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
85-68-7	Butylbenzylphthalate	ND		5.1	2.0
105-60-2	Caprolactam	ND		7.1	3.1
86-74-8	Carbazole	ND		2.0	0.51
218-01-9	Chrysene	ND		0.51	0.10
84-74-2	Di-n-butyl phthalate	ND		5.1	2.0
117-84-0	Di-n-octyl phthalate	ND		11	5.1
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
132-64-9	Dibenzofuran	ND		2.0	0.51
84-66-2	Diethyl phthalate	ND		5.1	2.0
131-11-3	Dimethyl phthalate	ND		5.1	2.0
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.12
118-74-1	Hexachlorobenzene	ND		0.51	0.11
87-68-3	Hexachlorobutadiene	ND		2.0	0.51
77-47-4	Hexachlorocyclopentadiene	ND		11	5.1
67-72-1	Hexachloroethane	ND		5.1	0.51
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.11
78-59-1	Isophorone	ND		2.0	0.51
621-64-7	N-Nitrosodi-n-propylamine	ND		2.0	0.51
86-30-6	N-Nitrosodiphenylamine	ND		2.0	0.51
91-20-3	Naphthalene	ND		0.51	0.27
98-95-3	Nitrobenzene	ND		2.0	0.51
87-86-5	Pentachlorophenol	ND	UJ	5.1	2.7

FORM I 8270E

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Matrix: Water
Lab File ID: HF0577.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:06

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 244.9(mL)
Date Analyzed: 06/06/2025 06:52

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653692
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP18831

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND	UJ	0.51	0.11
108-95-2	Phenol	ND		2.0	0.51
129-00-0	Pyrene	ND		0.51	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND		2.0	0.51
111-44-4	Bis(2-chloroethyl)ether	ND		2.0	0.51
117-81-7	Bis(2-ethylhexyl) phthalate	ND	UJ	5.1	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	44		13-134
321-60-8	2-Fluorobiphenyl (Surr)	47		45-120
367-12-4	2-Fluorophenol (Surr)	25		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	47		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	65		26-123
4165-62-2	Phenol-d5 (Surr)	17		10-120

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Matrix: Water
Lab File ID: JF0642.D

Analysis Method: 8270E
Date Collected: 05/29/2025 11:05

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 239(mL)
Date Analyzed: 06/06/2025 16:17

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND	UJ	2.1	0.52
108-60-1	bis(1-chloroispropyl)ether	ND	~~cn~~	2.1	0.52
95-95-4	2,4,5-Trichlorophenol	ND		2.1	0.52
88-06-2	2,4,6-Trichlorophenol	ND		2.1	0.52
120-83-2	2,4-Dichlorophenol	ND		2.1	0.52
105-67-9	2,4-Dimethylphenol	ND	~~F1~~	10	3.1
51-28-5	2,4-Dinitrophenol	ND		31	15
121-14-2	2,4-Dinitrotoluene	ND		5.2	1.0
606-20-2	2,6-Dinitrotoluene	ND		2.1	0.52
91-58-7	2-Chloronaphthalene	ND		1.0	0.42
95-57-8	2-Chlorophenol	ND		2.1	0.52
91-57-6	2-Methylnaphthalene	ND		0.52	0.10
95-48-7	2-Methylphenol	ND		2.1	0.52
88-74-4	2-Nitroaniline	ND		5.2	1.0
88-75-5	2-Nitrophenol	ND		5.2	1.0
91-94-1	3,3'-Dichlorobenzidine	ND	~~cn~~	10	4.2
99-09-2	3-Nitroaniline	ND		5.2	2.1
534-52-1	4,6-Dinitro-2-methylphenol	ND		22	8.4
101-55-3	4-Bromophenyl-phenylether	ND		2.1	0.52
59-50-7	4-Chloro-3-methylphenol	ND		5.2	1.0
106-47-8	4-Chloroaniline	ND	~~F2~~	10	4.2
7005-72-3	4-Chlorophenyl-phenyl ether	ND		2.1	0.52
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND		2.1	0.52
100-01-6	4-Nitroaniline	ND		3.1	0.94
100-02-7	4-Nitrophenol	ND		31	10
83-32-9	Acenaphthene	ND		0.52	0.10
208-96-8	Acenaphthylene	ND		0.52	0.10
98-86-2	Acetophenone	ND		5.2	1.0
120-12-7	Anthracene	ND	UJ	0.52	0.10

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Matrix: Water
Lab File ID: JF0642.D

Analysis Method: 8270E
Date Collected: 05/29/2025 11:05

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 239(mL)
Date Analyzed: 06/06/2025 16:17

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND	UJ	5.2	1.0
100-52-7	Benzaldehyde	ND		5.2	1.0
56-55-3	Benzo[a]anthracene	ND		0.52	0.10
50-32-8	Benzo[a]pyrene	ND		0.52	0.12
205-99-2	Benzo[b]fluoranthene	ND		0.52	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.52	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.52	0.10
85-68-7	Butylbenzylphthalate	ND		5.2	2.1
105-60-2	Caprolactam	ND		7.3	3.1
86-74-8	Carbazole	ND		2.1	0.52
218-01-9	Chrysene	ND		0.52	0.10
84-74-2	Di-n-butyl phthalate	ND		5.2	2.1
117-84-0	Di-n-octyl phthalate	ND	~~F2~~	12	5.2
53-70-3	Dibenz(a,h)anthracene	ND		0.52	0.10
132-64-9	Dibenzofuran	ND		2.1	0.52
84-66-2	Diethyl phthalate	ND		5.2	2.1
131-11-3	Dimethyl phthalate	ND		5.2	2.1
206-44-0	Fluoranthene	ND		0.52	0.10
86-73-7	Fluorene	ND		0.52	0.13
118-74-1	Hexachlorobenzene	ND		0.52	0.12
87-68-3	Hexachlorobutadiene	ND		2.1	0.52
77-47-4	Hexachlorocyclopentadiene	ND		12	5.2
67-72-1	Hexachloroethane	ND		5.2	0.52
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.52	0.12
78-59-1	Isophorone	ND		2.1	0.52
621-64-7	N-Nitrosodi-n-propylamine	ND		2.1	0.52
86-30-6	N-Nitrosodiphenylamine	ND		2.1	0.52
91-20-3	Naphthalene	ND		0.52	0.27
98-95-3	Nitrobenzene	ND		2.1	0.52
87-86-5	Pentachlorophenol	ND	UJ	5.2	2.7

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Matrix: Water
Lab File ID: JF0642.D

Analysis Method: 8270E
Date Collected: 05/29/2025 11:05

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 239(mL)
Date Analyzed: 06/06/2025 16:17

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND	UJ	0.52	0.12
108-95-2	Phenol	ND		2.1	0.52
129-00-0	Pyrene	ND		0.52	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND		2.1	0.52
111-44-4	Bis(2-chloroethyl)ether	ND		2.1	0.52
117-81-7	Bis(2-ethylhexyl) phthalate	ND	UJ	5.2	2.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	50		13-134
321-60-8	2-Fluorobiphenyl (Surr)	72		45-120
367-12-4	2-Fluorophenol (Surr)	30		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	61		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	61		26-123
4165-62-2	Phenol-d5 (Surr)	18		10-120

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3

Matrix: Water
Lab File ID: JF0645.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:23

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 244.6(mL)
Date Analyzed: 06/06/2025 17:21

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND	~~cn~~ UJ	2.0	0.51
108-60-1	bis(1-chloroispropyl)ether	ND	~~cn~~	2.0	0.51
95-95-4	2,4,5-Trichlorophenol	ND	~~cn~~	2.0	0.51
88-06-2	2,4,6-Trichlorophenol	ND	~~cn~~	2.0	0.51
120-83-2	2,4-Dichlorophenol	ND	~~cn~~	2.0	0.51
105-67-9	2,4-Dimethylphenol	ND	~~cn~~	10	3.1
51-28-5	2,4-Dinitrophenol	ND	~~cn~~	31	14
121-14-2	2,4-Dinitrotoluene	ND	~~cn~~	5.1	1.0
606-20-2	2,6-Dinitrotoluene	ND	~~cn~~	2.0	0.51
91-58-7	2-Chloronaphthalene	ND	~~cn~~	1.0	0.41
95-57-8	2-Chlorophenol	ND	~~cn~~	2.0	0.51
91-57-6	2-Methylnaphthalene	ND	~~cn~~	0.51	0.10
95-48-7	2-Methylphenol	ND	~~cn~~	2.0	0.51
88-74-4	2-Nitroaniline	ND	~~cn~~	5.1	1.0
88-75-5	2-Nitrophenol	ND	~~cn~~	5.1	1.0
91-94-1	3,3'-Dichlorobenzidine	ND	~~cn~~	10	4.1
99-09-2	3-Nitroaniline	ND	~~cn~~	5.1	2.0
534-52-1	4,6-Dinitro-2-methylphenol	ND	~~cn~~	21	8.2
101-55-3	4-Bromophenyl-phenylether	ND	~~cn~~	2.0	0.51
59-50-7	4-Chloro-3-methylphenol	ND	~~cn~~	5.1	1.0
106-47-8	4-Chloroaniline	ND	~~cn~~	10	4.1
7005-72-3	4-Chlorophenyl-phenyl ether	ND	~~cn~~	2.0	0.51
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND	~~cn~~	2.0	0.51
100-01-6	4-Nitroaniline	ND	~~cn~~	3.1	0.92
100-02-7	4-Nitrophenol	ND	~~cn~~ UJ	31	10
83-32-9	Acenaphthene	7.6	~~B cn~~ J	0.51	0.10
208-96-8	Acenaphthylene	ND	~~cn~~ UJ	0.51	0.10
98-86-2	Acetophenone	2.1	J ~~cn~~	5.1	1.0
120-12-7	Anthracene	0.14	J ~~cn~~	0.51	0.10

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3

Matrix: Water
Lab File ID: JF0645.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:23

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 244.6(mL)
Date Analyzed: 06/06/2025 17:21

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND	~~cn~~ UJ	5.1	1.0
100-52-7	Benzaldehyde	ND	~~cn~~	5.1	1.0
56-55-3	Benzo[a]anthracene	ND	~~cn~~	0.51	0.10
50-32-8	Benzo[a]pyrene	ND	~~cn~~	0.51	0.11
205-99-2	Benzo[b]fluoranthene	ND	~~cn~~	0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND	~~cn~~	0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND	~~cn~~	0.51	0.10
85-68-7	Butylbenzylphthalate	ND	~~cn~~	5.1	2.0
105-60-2	Caprolactam	ND	~~cn~~	7.2	3.1
86-74-8	Carbazole	ND	~~cn~~	2.0	0.51
218-01-9	Chrysene	ND	~~cn~~	0.51	0.10
84-74-2	Di-n-butyl phthalate	ND	~~cn~~	5.1	2.0
117-84-0	Di-n-octyl phthalate	ND	~~cn~~	11	5.1
53-70-3	Dibenz(a,h)anthracene	ND	~~cn~~	0.51	0.10
132-64-9	Dibenzofuran	ND	~~cn~~	2.0	0.51
84-66-2	Diethyl phthalate	ND	~~cn~~	5.1	2.0
131-11-3	Dimethyl phthalate	ND	~~cn~~ UJ	5.1	2.0
206-44-0	Fluoranthene	0.43	J ~~cn~~	0.51	0.10
86-73-7	Fluorene	~~0.12~~ 0.51	~~J B~~ U ~~cn~~	0.51	0.12
118-74-1	Hexachlorobenzene	ND	~~cn~~ UJ	0.51	0.11
87-68-3	Hexachlorobutadiene	ND	~~cn~~	2.0	0.51
77-47-4	Hexachlorocyclopentadiene	ND	~~cn~~	11	5.1
67-72-1	Hexachloroethane	ND	~~cn~~	5.1	0.51
193-39-5	Indeno[1,2,3-cd]pyrene	ND	~~cn~~	0.51	0.11
78-59-1	Isophorone	ND	~~cn~~	2.0	0.51
621-64-7	N-Nitrosodi-n-propylamine	ND	~~cn~~	2.0	0.51
86-30-6	N-Nitrosodiphenylamine	ND	~~cn~~	2.0	0.51
91-20-3	Naphthalene	ND	~~cn~~	0.51	0.27
98-95-3	Nitrobenzene	ND	~~cn~~ UJ	2.0	0.51

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3

Matrix: Water
Lab File ID: JF0645.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:23

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 244.6(mL)
Date Analyzed: 06/06/2025 17:21

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	ND	~~cn~~ UJ	5.1	2.7
85-01-8	Phenanthrene	0.58	~~cn~~ J	0.51	0.11
108-95-2	Phenol	ND	~~cn~~ UJ	2.0	0.51
129-00-0	Pyrene	0.51 ~~0.18~~	~~J B~~ ~~cn~~ U	0.51	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND	~~cn~~ UJ	2.0	0.51
111-44-4	Bis(2-chloroethyl)ether	ND	~~cn~~ UJ	2.0	0.51
117-81-7	Bis(2-ethylhexyl) phthalate	ND	~~cn~~ UJ	5.1	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	2	S1-cn	13-134
321-60-8	2-Fluorobiphenyl (Surr)	83	cn	45-120
367-12-4	2-Fluorophenol (Surr)	0.9	S1-cn	10-120
4165-60-0	Nitrobenzene-d5 (Surr)	71	cn	33-120
1718-51-0	p-Terphenyl-d14 (Surr)	50	cn	26-123
4165-62-2	Phenol-d5 (Surr)	13	cn	10-120

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Matrix: Water
Lab File ID: JF0646.D

Analysis Method: 8270E
Date Collected: 05/29/2025 08:02

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 247.6(mL)
Date Analyzed: 06/06/2025 17:43

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND	UJ	2.0	0.50
108-60-1	bis(1-chloroispropyl)ether	ND	cn	2.0	0.50
95-95-4	2,4,5-Trichlorophenol	ND		2.0	0.50
88-06-2	2,4,6-Trichlorophenol	ND		2.0	0.50
120-83-2	2,4-Dichlorophenol	ND		2.0	0.50
105-67-9	2,4-Dimethylphenol	ND		10	3.0
51-28-5	2,4-Dinitrophenol	ND		30	14
121-14-2	2,4-Dinitrotoluene	ND		5.0	1.0
606-20-2	2,6-Dinitrotoluene	ND		2.0	0.50
91-58-7	2-Chloronaphthalene	ND		1.0	0.40
95-57-8	2-Chlorophenol	ND		2.0	0.50
91-57-6	2-Methylnaphthalene	ND		0.50	0.10
95-48-7	2-Methylphenol	ND		2.0	0.50
88-74-4	2-Nitroaniline	ND		5.0	1.0
88-75-5	2-Nitrophenol	ND		5.0	1.0
91-94-1	3,3'-Dichlorobenzidine	ND	~~cn~~	10	4.0
99-09-2	3-Nitroaniline	ND		5.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	ND		21	8.1
101-55-3	4-Bromophenyl-phenylether	ND		2.0	0.50
59-50-7	4-Chloro-3-methylphenol	ND		5.0	1.0
106-47-8	4-Chloroaniline	ND		10	4.0
7005-72-3	4-Chlorophenyl-phenyl ether	ND		2.0	0.50
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND		2.0	0.50
100-01-6	4-Nitroaniline	ND		3.0	0.91
100-02-7	4-Nitrophenol	ND		30	10
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND	UJ	0.50	0.10
98-86-2	Acetophenone	2.8	J	5.0	1.0
120-12-7	Anthracene	ND	UJ	0.50	0.10

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Matrix: Water
Lab File ID: JF0646.D

Analysis Method: 8270E
Date Collected: 05/29/2025 08:02

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 247.6(mL)
Date Analyzed: 06/06/2025 17:43

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND	UJ	5.0	1.0
100-52-7	Benzaldehyde	ND		5.0	1.0
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.11
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
85-68-7	Butylbenzylphthalate	ND		5.0	2.0
105-60-2	Caprolactam	ND		7.1	3.0
86-74-8	Carbazole	ND		2.0	0.50
218-01-9	Chrysene	ND		0.50	0.10
84-74-2	Di-n-butyl phthalate	ND		5.0	2.0
117-84-0	Di-n-octyl phthalate	ND		11	5.0
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
132-64-9	Dibenzofuran	ND		2.0	0.50
84-66-2	Diethyl phthalate	ND		5.0	2.0
131-11-3	Dimethyl phthalate	ND		5.0	2.0
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.12
118-74-1	Hexachlorobenzene	ND		0.50	0.11
87-68-3	Hexachlorobutadiene	ND		2.0	0.50
77-47-4	Hexachlorocyclopentadiene	ND		11	5.0
67-72-1	Hexachloroethane	ND		5.0	0.50
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.11
78-59-1	Isophorone	ND		2.0	0.50
621-64-7	N-Nitrosodi-n-propylamine	ND		2.0	0.50
86-30-6	N-Nitrosodiphenylamine	ND		2.0	0.50
91-20-3	Naphthalene	ND		0.50	0.26
98-95-3	Nitrobenzene	ND		2.0	0.50
87-86-5	Pentachlorophenol	ND	UJ	5.0	2.6

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Matrix: Water
Lab File ID: JF0646.D

Analysis Method: 8270E
Date Collected: 05/29/2025 08:02

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 247.6(mL)
Date Analyzed: 06/06/2025 17:43

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND	UJ	0.50	0.11
108-95-2	Phenol	ND		2.0	0.50
129-00-0	Pyrene	ND		0.50	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND		2.0	0.50
111-44-4	Bis(2-chloroethyl)ether	ND		2.0	0.50
117-81-7	Bis(2-ethylhexyl) phthalate	ND	UJ	5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	36		13-134
321-60-8	2-Fluorobiphenyl (Surr)	70		45-120
367-12-4	2-Fluorophenol (Surr)	15		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	60		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	61		26-123
4165-62-2	Phenol-d5 (Surr)	10		10-120

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5

Matrix: Water
Lab File ID: JF0647.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:25

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 243.3(mL)
Date Analyzed: 06/06/2025 18:04

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND	UJ	2.1	0.51
108-60-1	bis(1-chloroispropyl)ether	ND	~~cn~~	2.1	0.51
95-95-4	2,4,5-Trichlorophenol	ND		2.1	0.51
88-06-2	2,4,6-Trichlorophenol	ND		2.1	0.51
120-83-2	2,4-Dichlorophenol	ND		2.1	0.51
105-67-9	2,4-Dimethylphenol	ND		10	3.1
51-28-5	2,4-Dinitrophenol	ND		31	14
121-14-2	2,4-Dinitrotoluene	ND		5.1	1.0
606-20-2	2,6-Dinitrotoluene	ND		2.1	0.51
91-58-7	2-Chloronaphthalene	ND		1.0	0.41
95-57-8	2-Chlorophenol	ND		2.1	0.51
91-57-6	2-Methylnaphthalene	ND		0.51	0.10
95-48-7	2-Methylphenol	ND		2.1	0.51
88-74-4	2-Nitroaniline	ND		5.1	1.0
88-75-5	2-Nitrophenol	ND		5.1	1.0
91-94-1	3,3'-Dichlorobenzidine	ND	cn	10	4.1
99-09-2	3-Nitroaniline	ND		5.1	2.1
534-52-1	4,6-Dinitro-2-methylphenol	ND		22	8.2
101-55-3	4-Bromophenyl-phenylether	ND		2.1	0.51
59-50-7	4-Chloro-3-methylphenol	ND		5.1	1.0
106-47-8	4-Chloroaniline	ND		10	4.1
7005-72-3	4-Chlorophenyl-phenyl ether	ND		2.1	0.51
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND		2.1	0.51
100-01-6	4-Nitroaniline	ND		3.1	0.92
100-02-7	4-Nitrophenol	ND	UJ	31	10
83-32-9	Acenaphthene	8.0	~~B cn~~	0.51	0.10
208-96-8	Acenaphthylene	ND	UJ	0.51	0.10
98-86-2	Acetophenone	ND	UJ	5.1	1.0
120-12-7	Anthracene	0.12	J	0.51	0.10

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5

Matrix: Water
Lab File ID: JF0647.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:25

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 243.3(mL)
Date Analyzed: 06/06/2025 18:04

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND	UJ	5.1	1.0
100-52-7	Benzaldehyde	ND		5.1	1.0
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.11
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
85-68-7	Butylbenzylphthalate	ND		5.1	2.1
105-60-2	Caprolactam	ND		7.2	3.1
86-74-8	Carbazole	ND		2.1	0.51
218-01-9	Chrysene	ND		0.51	0.10
84-74-2	Di-n-butyl phthalate	ND		5.1	2.1
117-84-0	Di-n-octyl phthalate	ND		11	5.1
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
132-64-9	Dibenzofuran	ND		2.1	0.51
84-66-2	Diethyl phthalate	ND		5.1	2.1
131-11-3	Dimethyl phthalate	ND	UJ	5.1	2.1
206-44-0	Fluoranthene	0.47	J	0.51	0.10
86-73-7	Fluorene	~~0.21~~ 0.51	~~J B~~ Cn U	0.51	0.12
118-74-1	Hexachlorobenzene	ND	UJ	0.51	0.11
87-68-3	Hexachlorobutadiene	ND		2.1	0.51
77-47-4	Hexachlorocyclopentadiene	ND		11	5.1
67-72-1	Hexachloroethane	ND		5.1	0.51
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.11
78-59-1	Isophorone	ND		2.1	0.51
621-64-7	N-Nitrosodi-n-propylamine	ND		2.1	0.51
86-30-6	N-Nitrosodiphenylamine	ND		2.1	0.51
91-20-3	Naphthalene	ND		0.51	0.27
98-95-3	Nitrobenzene	ND	UJ	2.1	0.51

Angela Stults 8/20/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5

Matrix: Water
Lab File ID: JF0647.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:25

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 243.3(mL)
Date Analyzed: 06/06/2025 18:04

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	ND	UJ	5.1	2.7
85-01-8	Phenanthrene	0.71	J	0.51	0.11
108-95-2	Phenol	ND	UJ	2.1	0.51
129-00-0	Pyrene	0.20 0.51	~~J B~~ cn U	0.51	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND	UJ	2.1	0.51
111-44-4	Bis(2-chloroethyl)ether	ND	UJ	2.1	0.51
117-81-7	Bis(2-ethylhexyl) phthalate	ND	UJ	5.1	2.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	59		13-134
321-60-8	2-Fluorobiphenyl (Surr)	76		45-120
367-12-4	2-Fluorophenol (Surr)	37		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	71		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	49		26-123
4165-62-2	Phenol-d5 (Surr)	24		10-120

Angela Stults 8/20/2025

ATTACHMENT B

LABORATORY CASE NARRATIVE AND
CHAIN OF CUSTODY RECORD
Laboratory Job No. 410-225004-1

Job Narrative
410-225004-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/30/2025 4:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.9°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed on 410-655353 is compliant under 8260C/D method criteria for Chloromethane . The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-655353 recovered above the upper control limit for 4-Methyl-2-pentanone and Carbon disulfide. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-656473 recovered above the upper control limit for Acetone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: The continuing calibration verification (CCV) analyzed in batch 410-653692 was below the method criteria for the following analyte(s): Di-n-octyl phthalate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 410-653692 was below the method criteria for the following analyte(s): Di-n-octyl phthalate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The continuing calibration verification (CCV) associated with batch 410-653809 recovered above the upper control limit for bis(1-chloroispropyl)ether. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E: The initial calibration verification (ICV) result for batch 410-653809 was above the upper control limit. The affected analyte is: 3,3'-Dichlorobenzidine. Sample results were non-detects, and have been reported as qualified data.

Method 8270E: Acenaphthene, Fluorene and Pyrene were detected above the method detection limit (MDL) in the method blank associated with preparation batch 410-653575 and analytical batch 410-653809 as well as in the following samples: MW-6D (410-225004-3) and MW-8 (410-225004-5). All affected samples were re-extracted and/or re-analyzed outside of holding time. Both sets of data have been reported.

Method 8270E: Surrogate recovery for the following sample was outside control limits: MW-6D (410-225004-3). Re-

extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8011: The surrogate recovery for the blank associated with preparation batch 410-653819 and analytical batch 410-654000 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Lancaster Laboratories Environme

2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

410-225004 Chain of Custody

eurofins | Environment Testing

Client Information	Sampler: Alex Chipman	Lab PM: Sachtleben, Kerri S		COC No: 410-158614-43777.1
Client Contact: Alexander Chipman	Phone: 610-620-5211	E-Mail: Kerri.Sachtleben@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 3 1
Company: ARM Group, Inc.	PWSID:			Job #:
Address: 515 S. Franklin Street	Due Date Requested:			
City: West Chester	TAT Requested (days): Standard			
State, Zip: PA, 19382	Compliance Project: Δ Yes Δ No			
Phone: 610-692-5770(Tel)	PO #: 062175-7			
Email: achipman@armgroup.net	WO #:			
Project Name: Binghamton Plaza	Project #: 41025684			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
N - None
D - HNO3
S - H2SO4

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs 8260D + TICs	EDB + DBCP 8011	SVOAs 8270E + TICs	Phenolics 420.4	RCRA 8 Metals (minus Hg) 6020B	Mercury 7470A	Dissolved RCRA 8 metals 6020B	Dissolved Mercury 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	A	A	N	S	D	D	D	D	X	
MW-2D	5-29-25	0906	G	W	X	N	3	2	2	1	1	1	1	1	10	* RCRA 8 + Mercury
MW-3D	5-29-25	1105	G	W		Y	9	6	6	3	3	3			27	collected in
MW-6D	5-29-25	1223	G	W		N	3	2	2	1	1	1			9	same bottle
MW-7D	5-29-25	0802	G	W		N	3	2	2	1	1	1			9	+ Diss. RCRA8, Diss
MW-8	5-29-25	1225	G	W		N	3	2	2	1	1	1			9	Mercury collected
EB	5-29-25	0935	G	W		N	3	2	2	1	1	1			9	in same bottle
Trip Blank	5-30-25	0800	G	W		N	3	2							5	→ Field Filtered
																+ Triple volume collected
																from MW-3D for
																MS/MSD

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NYDEC Category B + Equis EDDs

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 5-30-25 1450	Company: ARM	Received by:	Date/Time: 5/30/25 1452	Company: ELLE
Relinquished by:	Date/Time: 5/30/25 1643	Company: ELLE	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/30/25 1643	Company: ELLE

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: R 6.0 C 5.9

CB

ATTACHMENT C

SELECTED PAGES FROM DATA PACKAGE -
QC EXCEEDANCES AND VALIDATION ISSUES
Laboratory Job No. 410-225004-1

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-653692/2 Calibration Date: 06/05/2025 21:20

Instrument ID: HP18831 Calib Start Date: 05/01/2025 09:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/01/2025 12:22

Lab File ID: HF0551.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	Ave	0.4736	0.4860	0.0100	12.8	12.5	2.6	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.1966	0.2151		13.7	12.5	9.4	20.0
Benzo[a]anthracene	Ave	1.062	1.194	0.8000	14.0	12.5	12.4	20.0
Chrysene	Ave	1.066	1.175	0.7000	13.8	12.5	10.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6903	0.6590	0.0100	11.9	12.5	-4.5	20.0
6-Methylchrysene	Ave	0.6911	0.7850		14.2	12.5	13.6	20.0
Di-n-octyl phthalate	Lin1		0.9581	0.0100	9.54	12.5	-23.7*	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5096	0.5407		13.3	12.5	6.1	20.0
Benzo[b]fluoranthene	Ave	1.185	1.342	0.7000	14.2	12.5	13.2	20.0
Benzo[k]fluoranthene	Ave	1.249	1.320	0.7000	13.2	12.5	5.7	20.0
Benzo[a]pyrene	Ave	1.071	1.151	0.7000	13.4	12.5	7.5	20.0
3-Methylcholanthrene	Ave	0.5306	0.5491		12.9	12.5	3.5	20.0
Dibenz[a,h]acridine	Ave	0.7449	0.8848		14.8	12.5	18.8	20.0
Dibenz[a,j]acridine	Ave	0.8749	1.031		14.7	12.5	17.9	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9802	1.124	0.5000	14.3	12.5	14.7	20.0
Dibenz(a,h)anthracene	Ave	1.030	1.239	0.4000	15.0	12.5	20.3*	20.0
Benzo[g,h,i]perylene	Ave	1.011	1.185	0.5000	14.6	12.5	17.2	20.0
2-Fluorophenol (Surr)	Ave	1.226	1.267		25.8	25.0	3.4	20.0
Phenol-d5 (Surr)	Ave	1.497	1.572		26.3	25.0	5.0	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3427	0.3810		27.8	25.0	11.2	20.0
2-Fluorobiphenyl (Surr)	Ave	1.444	1.522		26.4	25.0	5.4	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2619	0.2848		27.2	25.0	8.8	20.0
p-Terphenyl-d14 (Surr)	Ave	0.8474	0.9285		27.4	25.0	9.6	20.0

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-5MS 30m 0 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
MW-2D	410-225004-1	25	17	47	47	44	65
MW-3D	410-225004-2	30	18	61	72	50	61
MW-6D	410-225004-3	0.9 S1-cn	13 cn	71 cn	83 cn	2 S1-cn	50 cn
MW-6D RE	410-225004-3 RE	36	26	73	79	75	79
MW-7D	410-225004-4	15	10	60	70	36	61
MW-8	410-225004-5	37	24	71	76	59	49
MW-8 RE	410-225004-5 RE	37	29	79	86	86	81
EB	410-225004-6	28	18	51	62	60	82
	MB 410-653019/1-A	40	27	71	73	68	85
	MB 410-653575/1-A	36	22	72	85	68	85
	MB 410-655289/1-A	43	29	78	82	84	94
	LCS 410-653019/2-A	55	40	77	73	77	88
	LCS 410-653575/2-A	40	29	68	73	60	86
	LCS 410-655289/2-A	52	38	78	80	90	94
	LCSD 410-653019/3-A	50	37	73	71	73	85
MW-3D MS	410-225004-2 MS	38	26	62	68	39	74
MW-3D MSD	410-225004-2 MSD	40	30	69	77	50	83

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	10-120
PHL = Phenol-d5 (Surr)	10-120
NBZ = Nitrobenzene-d5 (Surr)	33-120
FBP = 2-Fluorobiphenyl (Surr)	45-120
TBP = 2,4,6-Tribromophenol (Surr)	13-134
TPHd14 = p-Terphenyl-d14 (Surr)	26-123

Column to be used to flag recovery values

FORM II 8270E

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-653019/1-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653019

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	*85*		*26 - 123*	*06/04/25 16:15*	*06/05/25 08:53*	*1*
Phenol-d5 (Surr)	*27*		*10 - 120*	*06/04/25 16:15*	*06/05/25 08:53*	*1*

Lab Sample ID: LCS 410-653019/2-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	50.0	46.7		ug/L		93	51 - 126
bis(1-chloroispropyl)ether	50.0	43.5		ug/L		87	22 - 139
2,4,5-Trichlorophenol	50.0	50.7		ug/L		101	55 - 133
2,4,6-Trichlorophenol	50.0	51.4		ug/L		103	54 - 139
2,4-Dichlorophenol	50.0	51.1		ug/L		102	51 - 135
2,4-Dimethylphenol	50.0	50.3		ug/L		101	47 - 128
2,4-Dinitrophenol	100	108		ug/L		108	14 - 161
2,4-Dinitrotoluene	50.0	51.8		ug/L		104	54 - 143
2,6-Dinitrotoluene	50.0	52.7		ug/L		105	53 - 139
2-Chloronaphthalene	50.0	46.3		ug/L		93	48 - 124
2-Chlorophenol	50.0	44.9		ug/L		90	45 - 122
2-Methylnaphthalene	50.0	46.7		ug/L		93	49 - 124
2-Methylphenol	50.0	43.0		ug/L		86	42 - 120
2-Nitroaniline	50.0	50.9		ug/L		102	49 - 144
2-Nitrophenol	50.0	51.9		ug/L		104	42 - 145
3,3'-Dichlorobenzidine	100	61.1		ug/L		61	26 - 120
3-Nitroaniline	50.0	42.9		ug/L		86	39 - 130
4,6-Dinitro-2-methylphenol	100	112		ug/L		112	33 - 172
4-Bromophenyl-phenylether	50.0	49.6		ug/L		99	49 - 135
4-Chloro-3-methylphenol	50.0	46.4		ug/L		93	49 - 130
4-Chloroaniline	50.0	37.6		ug/L		75	28 - 120
4-Chlorophenyl-phenyl ether	50.0	45.9		ug/L		92	49 - 125
4-Methylphenol (and/or 3-Methylphenol)	50.0	39.1		ug/L		78	38 - 120
4-Nitroaniline	50.0	46.5		ug/L		93	41 - 133
4-Nitrophenol	100	56.4		ug/L		56	20 - 120
Acenaphthene	50.0	46.7		ug/L		93	52 - 125
Acenaphthylene	50.0	49.3		ug/L		99	51 - 131
Acetophenone	50.0	44.5		ug/L		89	46 - 126
Anthracene	50.0	50.8		ug/L		102	55 - 134
Atrazine	50.0	54.0		ug/L		108	54 - 141
Benzaldehyde	50.0	45.7		ug/L		91	42 - 125
Benzo[a]anthracene	50.0	47.0		ug/L		94	54 - 134
Benzo[a]pyrene	50.0	51.1		ug/L		102	58 - 135
Benzo[b]fluoranthene	50.0	47.3		ug/L		95	51 - 132
Benzo[g,h,i]perylene	50.0	50.9		ug/L		102	50 - 138
Benzo[k]fluoranthene	50.0	51.0		ug/L		102	58 - 140
Butylbenzylphthalate	50.0	40.5		ug/L		81	34 - 135
Caprolactam	50.0	14.5		ug/L		29	10 - 120
Carbazole	50.0	51.4		ug/L		103	52 - 138
Chrysene	50.0	47.4		ug/L		95	56 - 136

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-653019/2-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	50.0	47.3		ug/L		95	49 - 143
Di-n-octyl phthalate	50.0	41.9		ug/L		84	44 - 147
Dibenz(a,h)anthracene	50.0	50.8		ug/L		102	47 - 141
Dibenzofuran	50.0	46.6		ug/L		93	50 - 128
Diethyl phthalate	50.0	43.6		ug/L		87	45 - 130
Dimethyl phthalate	50.0	42.3		ug/L		85	30 - 124
Fluoranthene	50.0	50.1		ug/L		100	56 - 137
Fluorene	50.0	46.6		ug/L		93	50 - 128
Hexachlorobenzene	50.0	49.4		ug/L		99	47 - 135
Hexachlorobutadiene	50.0	41.6		ug/L		83	31 - 120
Hexachlorocyclopentadiene	50.0	31.5		ug/L		63	10 - 120
Hexachloroethane	50.0	37.2		ug/L		74	35 - 120
Indeno[1,2,3-cd]pyrene	50.0	48.6		ug/L		97	47 - 140
Isophorone	50.0	47.6		ug/L		95	47 - 129
N-Nitrosodi-n-propylamine	50.0	43.3		ug/L		87	41 - 123
N-Nitrosodiphenylamine	42.5	44.6		ug/L		105	48 - 144
Naphthalene	50.0	46.9		ug/L		94	49 - 121
Nitrobenzene	50.0	50.1		ug/L		100	43 - 128
Pentachlorophenol	100	102		ug/L		102	45 - 149
Phenanthrene	50.0	49.3		ug/L		99	55 - 132
Phenol	50.0	28.1		ug/L		56	18 - 120
Pyrene	50.0	47.4		ug/L		95	58 - 131
Bis(2-chloroethoxy)methane	50.0	47.7		ug/L		95	48 - 131
Bis(2-chloroethyl)ether	50.0	45.6		ug/L		91	46 - 123
Bis(2-ethylhexyl) phthalate	50.0	41.7		ug/L		83	46 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*77*		*13 - 134*
2-Fluorobiphenyl (Surr)	*73*		*45 - 120*
2-Fluorophenol (Surr)	*55*		*10 - 120*
Nitrobenzene-d5 (Surr)	*77*		*33 - 120*
p-Terphenyl-d14 (Surr)	*88*		*26 - 123*
Phenol-d5 (Surr)	*40*		*10 - 120*

Lab Sample ID: LCSD 410-653019/3-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 653019

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	50.0	43.5		ug/L		87	51 - 126	7	30
bis(1-chloroispropyl)ether	50.0	41.2		ug/L		82	22 - 139	5	30
2,4,5-Trichlorophenol	50.0	46.1		ug/L		92	55 - 133	9	30
2,4,6-Trichlorophenol	50.0	47.3		ug/L		95	54 - 139	8	30
2,4-Dichlorophenol	50.0	44.6		ug/L		89	51 - 135	14	30
2,4-Dimethylphenol	50.0	45.6		ug/L		91	47 - 128	10	30
2,4-Dinitrophenol	100	97.9		ug/L		98	14 - 161	10	30
2,4-Dinitrotoluene	50.0	47.6		ug/L		95	54 - 143	9	30
2,6-Dinitrotoluene	50.0	49.6		ug/L		99	53 - 139	6	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-653019/3-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 653019

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Chloronaphthalene	50.0	42.3		ug/L		85	48 - 124	9	30
2-Chlorophenol	50.0	39.9		ug/L		80	45 - 122	12	30
2-Methylnaphthalene	50.0	42.0		ug/L		84	49 - 124	11	30
2-Methylphenol	50.0	38.5		ug/L		77	42 - 120	11	30
2-Nitroaniline	50.0	48.2		ug/L		96	49 - 144	5	30
2-Nitrophenol	50.0	46.6		ug/L		93	42 - 145	11	30
3,3'-Dichlorobenzidine	100	56.1		ug/L		56	26 - 120	9	30
3-Nitroaniline	50.0	39.3		ug/L		79	39 - 130	9	30
4,6-Dinitro-2-methylphenol	100	101		ug/L		101	33 - 172	10	30
4-Bromophenyl-phenylether	50.0	48.2		ug/L		96	49 - 135	3	30
4-Chloro-3-methylphenol	50.0	41.3		ug/L		83	49 - 130	12	30
4-Chloroaniline	50.0	34.7		ug/L		69	28 - 120	8	30
4-Chlorophenyl-phenyl ether	50.0	42.7		ug/L		85	49 - 125	7	30
4-Methylphenol (and/or 3-Methylphenol)	50.0	34.8		ug/L		70	38 - 120	12	30
4-Nitroaniline	50.0	41.9		ug/L		84	41 - 133	10	30
4-Nitrophenol	100	46.3		ug/L		46	20 - 120	20	30
Acenaphthene	50.0	43.6		ug/L		87	52 - 125	7	30
Acenaphthylene	50.0	46.0		ug/L		92	51 - 131	7	30
Acetophenone	50.0	41.0		ug/L		82	46 - 126	8	30
Anthracene	50.0	48.0		ug/L		96	55 - 134	6	30
Atrazine	50.0	49.9		ug/L		100	54 - 141	8	30
Benzaldehyde	50.0	43.0		ug/L		86	42 - 125	6	30
Benzo[a]anthracene	50.0	42.9		ug/L		86	54 - 134	9	30
Benzo[a]pyrene	50.0	48.4		ug/L		97	58 - 135	6	30
Benzo[b]fluoranthene	50.0	45.0		ug/L		90	51 - 132	5	30
Benzo[g,h,i]perylene	50.0	48.4		ug/L		97	50 - 138	5	30
Benzo[k]fluoranthene	50.0	47.4		ug/L		95	58 - 140	7	30
Butylbenzylphthalate	50.0	38.3		ug/L		77	34 - 135	6	30
Caprolactam	50.0	12.6		ug/L		25	10 - 120	14	30
Carbazole	50.0	46.8		ug/L		94	52 - 138	9	30
Chrysene	50.0	43.3		ug/L		87	56 - 136	9	30
Di-n-butyl phthalate	50.0	44.8		ug/L		90	49 - 143	6	30
Di-n-octyl phthalate	50.0	38.6		ug/L		77	44 - 147	8	30
Dibenz(a,h)anthracene	50.0	49.0		ug/L		98	47 - 141	4	30
Dibenzofuran	50.0	43.5		ug/L		87	50 - 128	7	30
Diethyl phthalate	50.0	42.0		ug/L		84	45 - 130	4	30
Dimethyl phthalate	50.0	41.3		ug/L		83	30 - 124	2	30
Fluoranthene	50.0	45.1		ug/L		90	56 - 137	10	30
Fluorene	50.0	43.9		ug/L		88	50 - 128	6	30
Hexachlorobenzene	50.0	47.1		ug/L		94	47 - 135	5	30
Hexachlorobutadiene	50.0	36.1		ug/L		72	31 - 120	14	30
Hexachlorocyclopentadiene	50.0	29.5		ug/L		59	10 - 120	7	30
Hexachloroethane	50.0	33.4		ug/L		67	35 - 120	11	30
Indeno[1,2,3-cd]pyrene	50.0	46.9		ug/L		94	47 - 140	4	30
Isophorone	50.0	43.5		ug/L		87	47 - 129	9	30
N-Nitrosodi-n-propylamine	50.0	40.5		ug/L		81	41 - 123	7	30
N-Nitrosodiphenylamine	42.5	42.1		ug/L		99	48 - 144	6	30
Naphthalene	50.0	42.0		ug/L		84	49 - 121	11	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-653019/3-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 653019

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrobenzene			50.0	46.2		ug/L		92	43 - 128	8	30
Pentachlorophenol			100	90.9		ug/L		91	45 - 149	12	30
Phenanthrene			50.0	46.2		ug/L		92	55 - 132	7	30
Phenol			50.0	24.8		ug/L		50	18 - 120	13	30
Pyrene			50.0	44.4		ug/L		89	58 - 131	7	30
Bis(2-chloroethoxy)methane			50.0	43.7		ug/L		87	48 - 131	9	30
Bis(2-chloroethyl)ether			50.0	42.1		ug/L		84	46 - 123	8	30
Bis(2-ethylhexyl) phthalate			50.0	37.6		ug/L		75	46 - 143	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*73*		*13 - 134*
2-Fluorobiphenyl (Surr)	*71*		*45 - 120*
2-Fluorophenol (Surr)	*50*		*10 - 120*
Nitrobenzene-d5 (Surr)	*73*		*33 - 120*
p-Terphenyl-d14 (Surr)	*85*		*26 - 123*
Phenol-d5 (Surr)	*37*		*10 - 120*

Lab Sample ID: MB 410-653575/1-A
Matrix: Water
Analysis Batch: 653809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653575

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
bis(1-chloroispropyl)ether	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,4,5-Trichlorophenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,4,6-Trichlorophenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,4-Dichlorophenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,4-Dimethylphenol	ND		10	3.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,4-Dinitrophenol	ND		30	14	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,4-Dinitrotoluene	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,6-Dinitrotoluene	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2-Chloronaphthalene	ND		1.0	0.40	ug/L		06/05/25 15:31	06/06/25 09:29	1
2-Chlorophenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2-Methylnaphthalene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
2-Methylphenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2-Nitroaniline	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
2-Nitrophenol	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
3,3'-Dichlorobenzidine	ND		10	4.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
3-Nitroaniline	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
4,6-Dinitro-2-methylphenol	ND		21	8.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Bromophenyl-phenylether	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Chloro-3-methylphenol	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Chloroaniline	ND		10	4.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Chlorophenyl-phenyl ether	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Methylphenol (and/or 3-Methylphenol)	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Nitroaniline	ND		3.0	0.90	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Nitrophenol	ND		30	10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Acenaphthene	0.456	J	0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-653575/1-A
Matrix: Water
Analysis Batch: 653809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653575

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Acetophenone	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Anthracene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Atrazine	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Benzaldehyde	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Benzo[a]pyrene	ND		0.50	0.11	ug/L		06/05/25 15:31	06/06/25 09:29	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Butylbenzylphthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Caprolactam	ND		7.0	3.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Carbazole	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Chrysene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Di-n-butyl phthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Di-n-octyl phthalate	ND		11	5.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Dibenzofuran	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Diethyl phthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Dimethyl phthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Fluoranthene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Fluorene	0.814		0.50	0.12	ug/L		06/05/25 15:31	06/06/25 09:29	1
Hexachlorobenzene	ND		0.50	0.11	ug/L		06/05/25 15:31	06/06/25 09:29	1
Hexachlorobutadiene	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Hexachlorocyclopentadiene	ND		11	5.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Hexachloroethane	ND		5.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.11	ug/L		06/05/25 15:31	06/06/25 09:29	1
Isophorone	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
N-Nitrosodi-n-propylamine	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
N-Nitrosodiphenylamine	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Naphthalene	ND		0.50	0.26	ug/L		06/05/25 15:31	06/06/25 09:29	1
Nitrobenzene	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Pentachlorophenol	ND		5.0	2.6	ug/L		06/05/25 15:31	06/06/25 09:29	1
Phenanthrene	ND		0.50	0.11	ug/L		06/05/25 15:31	06/06/25 09:29	1
Phenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Pyrene	0.232	J	0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Bis(2-chloroethoxy)methane	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Bis(2-chloroethyl)ether	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 09:29	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.80*	*T J*	*ug/L*		*2.65*	*N/A*	*06/05/25 15:31*	*06/06/25 09:29*	*1*
Unknown	*6.35*	*T J*	*ug/L*		*3.18*	*N/A*	*06/05/25 15:31*	*06/06/25 09:29*	*1*
Unknown	*7.47*	*T J*	*ug/L*		*3.36*	*N/A*	*06/05/25 15:31*	*06/06/25 09:29*	*1*
Unknown	*5.14*	*T J*	*ug/L*		*3.61*	*N/A*	*06/05/25 15:31*	*06/06/25 09:29*	*1*
1-Methylnaphthalene	*0.343*	*J*	*ug/L*		*6.22*	*90-12-0*	*06/05/25 15:31*	*06/06/25 09:29*	*1*
Unknown	*7.07*	*T J*	*ug/L*		*6.89*	*N/A*	*06/05/25 15:31*	*06/06/25 09:29*	*1*
Unknown	*8.73*	*T J*	*ug/L*		*7.37*	*N/A*	*06/05/25 15:31*	*06/06/25 09:29*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-653575/1-A
Matrix: Water
Analysis Batch: 653809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653575

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Naphthalene, 1-(2-propenyl)-	4.91	T J N	ug/L		7.71	2489-86-3	06/05/25 15:31	06/06/25 09:29	1
Unknown	6.03	T J	ug/L		7.78	N/A	06/05/25 15:31	06/06/25 09:29	1
Heptadecane, 2,6,10,14-tetramethyl-	5.75	T J N	ug/L		8.04	18344-37-1	06/05/25 15:31	06/06/25 09:29	1
Unknown	10.7	T J	ug/L		9.66	N/A	06/05/25 15:31	06/06/25 09:29	1
Cyclic octaatomic sulfur	39.3	T J N	ug/L		9.73	10544-50-0	06/05/25 15:31	06/06/25 09:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		13 - 134	06/05/25 15:31	06/06/25 09:29	1
2-Fluorobiphenyl (Surr)	85		45 - 120	06/05/25 15:31	06/06/25 09:29	1
2-Fluorophenol (Surr)	36		10 - 120	06/05/25 15:31	06/06/25 09:29	1
Nitrobenzene-d5 (Surr)	72		33 - 120	06/05/25 15:31	06/06/25 09:29	1
p-Terphenyl-d14 (Surr)	85		26 - 123	06/05/25 15:31	06/06/25 09:29	1
Phenol-d5 (Surr)	22		10 - 120	06/05/25 15:31	06/06/25 09:29	1

Lab Sample ID: LCS 410-653575/2-A
Matrix: Water
Analysis Batch: 653809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653575

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	50.0	40.6		ug/L		81	51 - 126
bis(1-chloroispropyl)ether	50.0	56.7		ug/L		113	22 - 139
2,4,5-Trichlorophenol	50.0	40.4		ug/L		81	55 - 133
2,4,6-Trichlorophenol	50.0	43.6		ug/L		87	54 - 139
2,4-Dichlorophenol	50.0	40.2		ug/L		80	51 - 135
2,4-Dimethylphenol	50.0	37.7		ug/L		75	47 - 128
2,4-Dinitrophenol	100	67.2		ug/L		67	14 - 161
2,4-Dinitrotoluene	50.0	44.6		ug/L		89	54 - 143
2,6-Dinitrotoluene	50.0	44.0		ug/L		88	53 - 139
2-Chloronaphthalene	50.0	44.1		ug/L		88	48 - 124
2-Chlorophenol	50.0	33.8		ug/L		68	45 - 122
2-Methylnaphthalene	50.0	40.7		ug/L		81	49 - 124
2-Methylphenol	50.0	31.4		ug/L		63	42 - 120
2-Nitroaniline	50.0	41.8		ug/L		84	49 - 144
2-Nitrophenol	50.0	33.6		ug/L		67	42 - 145
3,3'-Dichlorobenzidine	100	64.6		ug/L		65	26 - 120
3-Nitroaniline	50.0	38.2		ug/L		76	39 - 130
4,6-Dinitro-2-methylphenol	100	78.8		ug/L		79	33 - 172
4-Bromophenyl-phenylether	50.0	48.7		ug/L		97	49 - 135
4-Chloro-3-methylphenol	50.0	34.4		ug/L		69	49 - 130
4-Chloroaniline	50.0	30.6		ug/L		61	28 - 120
4-Chlorophenyl-phenyl ether	50.0	43.9		ug/L		88	49 - 125
4-Methylphenol (and/or 3-Methylphenol)	50.0	26.3		ug/L		53	38 - 120
4-Nitroaniline	50.0	38.8		ug/L		78	41 - 133
4-Nitrophenol	100	41.4		ug/L		41	20 - 120
Acenaphthene	50.0	41.9		ug/L		84	52 - 125
Acenaphthylene	50.0	46.2		ug/L		92	51 - 131
Acetophenone	50.0	39.1		ug/L		78	46 - 126

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-653575/2-A
Matrix: Water
Analysis Batch: 653809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653575

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	50.0	44.0		ug/L		88	55 - 134
Atrazine	50.0	41.2		ug/L		82	54 - 141
Benzaldehyde	50.0	36.0		ug/L		72	42 - 125
Benzo[a]anthracene	50.0	45.1		ug/L		90	54 - 134
Benzo[a]pyrene	50.0	45.7		ug/L		91	58 - 135
Benzo[b]fluoranthene	50.0	49.0		ug/L		98	51 - 132
Benzo[g,h,i]perylene	50.0	53.3		ug/L		107	50 - 138
Benzo[k]fluoranthene	50.0	49.8		ug/L		100	58 - 140
Butylbenzylphthalate	50.0	35.2		ug/L		70	34 - 135
Caprolactam	50.0	10.5		ug/L		21	10 - 120
Carbazole	50.0	50.4		ug/L		101	52 - 138
Chrysene	50.0	46.0		ug/L		92	56 - 136
Di-n-butyl phthalate	50.0	42.0		ug/L		84	49 - 143
Di-n-octyl phthalate	50.0	45.4		ug/L		91	44 - 147
Dibenz(a,h)anthracene	50.0	51.0		ug/L		102	47 - 141
Dibenzofuran	50.0	45.6		ug/L		91	50 - 128
Diethyl phthalate	50.0	41.8		ug/L		84	45 - 130
Dimethyl phthalate	50.0	30.4		ug/L		61	30 - 124
Fluoranthene	50.0	48.0		ug/L		96	56 - 137
Fluorene	50.0	43.7		ug/L		87	50 - 128
Hexachlorobenzene	50.0	46.7		ug/L		93	47 - 135
Hexachlorobutadiene	50.0	39.8		ug/L		80	31 - 120
Hexachlorocyclopentadiene	50.0	30.5		ug/L		61	10 - 120
Hexachloroethane	50.0	32.2		ug/L		64	35 - 120
Indeno[1,2,3-cd]pyrene	50.0	50.5		ug/L		101	47 - 140
Isophorone	50.0	40.9		ug/L		82	47 - 129
N-Nitrosodi-n-propylamine	50.0	37.4		ug/L		75	41 - 123
N-Nitrosodiphenylamine	42.5	41.6		ug/L		98	48 - 144
Naphthalene	50.0	41.6		ug/L		83	49 - 121
Nitrobenzene	50.0	40.8		ug/L		82	43 - 128
Pentachlorophenol	100	78.7		ug/L		79	45 - 149
Phenanthrene	50.0	44.4		ug/L		89	55 - 132
Phenol	50.0	18.9		ug/L		38	18 - 120
Pyrene	50.0	46.8		ug/L		94	58 - 131
Bis(2-chloroethoxy)methane	50.0	47.2		ug/L		94	48 - 131
Bis(2-chloroethyl)ether	50.0	39.1		ug/L		78	46 - 123
Bis(2-ethylhexyl) phthalate	50.0	41.7		ug/L		83	46 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*60*		*13 - 134*
2-Fluorobiphenyl (Surr)	*73*		*45 - 120*
2-Fluorophenol (Surr)	*40*		*10 - 120*
Nitrobenzene-d5 (Surr)	*68*		*33 - 120*
p-Terphenyl-d14 (Surr)	*86*		*26 - 123*
Phenol-d5 (Surr)	*29*		*10 - 120*

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: FU10X47.D

Lab ID: 410-225004-2 MS Client ID: MW-3D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	ND	20.5	103	68-120	
1,1,2,2-Tetrachloroethane	20.0	ND	23.8	119	71-122	
1,1,2-Trichloroethane	20.0	ND	21.0	105	80-120	
1,1-Dichloroethane	20.0	ND	25.6	128	74-120	F1
1,1-Dichloroethene	20.0	ND	28.0	140	74-121	F1
1,2,4-Trichlorobenzene	20.0	ND	15.9	80	65-123	
1,2-Dichlorobenzene	20.0	ND	19.5	98	75-120	
1,2-Dichloroethane	20.0	ND	19.3	97	69-120	
1,2-Dichloropropane	20.0	ND	23.8	119	77-120	
1,3-Dichlorobenzene	20.0	ND	19.0	95	77-120	
1,4-Dichlorobenzene	20.0	ND	19.5	98	79-120	
2-Butanone	250	ND	275	110	65-131	
2-Hexanone	250	ND	296	118	67-132	
4-Methyl-2-pentanone	250	ND	298	119	66-129	
Acetone	250	1.4 J	302	120	58-141	
Benzene	20.0	ND	23.0	115	81-120	
Bromodichloromethane	20.0	ND	20.0	100	73-120	
Bromoform	20.0	ND	15.9	80	64-125	
Bromomethane	20.0	ND	22.5	113	43-128	
Carbon disulfide	20.0	ND	29.0	145	75-132	F1
Carbon tetrachloride	20.0	ND	19.2	96	63-128	
Chlorobenzene	20.0	ND	20.7	104	80-120	
Chloroethane	20.0	ND	25.3	126	60-121	F1
Chloroform	20.0	ND	22.3	111	74-120	
Chloromethane	20.0	ND	26.5	132	49-126	F1
cis-1,2-Dichloroethene	20.0	ND	22.1	111	81-121	
cis-1,3-Dichloropropene	20.0	ND	18.1	91	71-120	
Cyclohexane	20.0	ND	27.8	139	63-126	F1
Dibromochloromethane	20.0	ND	17.3	87	74-120	
Dichlorodifluoromethane	20.0	ND	23.8	119	27-131	
Ethylbenzene	20.0	ND	22.2	111	78-120	
Freon 113	20.0	ND	25.1	125	64-131	
Isopropylbenzene	20.0	ND	23.8	119	75-121	
Methyl acetate	20.0	ND	15.3	76	59-165	
Methyl tertiary butyl ether	20.0	ND	20.7	103	75-120	
Methylcyclohexane	20.0	ND	22.1	111	60-126	
Methylene Chloride	20.0	ND	24.9	125	77-120	F1
Styrene	20.0	ND	20.4	102	78-120	
Tetrachloroethene	20.0	ND	18.7	94	68-125	
Toluene	20.0	ND	21.7	108	79-120	
trans-1,2-Dichloroethene	20.0	ND	23.5	117	74-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: FU10X47.D

Lab ID: 410-225004-2 MS Client ID: MW-3D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	20.0	ND	17.2	86	72-120	
Trichloroethene	20.0	ND	20.2	101	76-120	
Trichlorofluoromethane	20.0	ND	23.0	115	47-120	
Vinyl chloride	20.0	ND	26.3	131	52-120	F1
Xylene (total)	60.0	ND	62.0	103	78-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: FU10X48.D

Lab ID: 410-225004-2 MSD Client ID: MW-3D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.4	107	4	30	68-120	
1,1,2,2-Tetrachloroethane	20.0	25.3	126	6	30	71-122	F1
1,1,2-Trichloroethane	20.0	21.0	105	0	30	80-120	
1,1-Dichloroethane	20.0	26.0	130	2	30	74-120	F1
1,1-Dichloroethene	20.0	28.6	143	2	30	74-121	F1
1,2,4-Trichlorobenzene	20.0	18.2	91	13	30	65-123	
1,2-Dichlorobenzene	20.0	20.7	103	6	30	75-120	
1,2-Dichloroethane	20.0	19.9	99	3	30	69-120	
1,2-Dichloropropane	20.0	24.0	120	1	30	77-120	
1,3-Dichlorobenzene	20.0	20.1	100	5	30	77-120	
1,4-Dichlorobenzene	20.0	20.5	102	5	30	79-120	
2-Butanone	250	288	115	5	30	65-131	
2-Hexanone	250	307	123	4	30	67-132	
4-Methyl-2-pentanone	250	303	121	2	30	66-129	
Acetone	250	317	126	5	30	58-141	
Benzene	20.0	23.5	118	2	30	81-120	
Bromodichloromethane	20.0	20.2	101	1	30	73-120	
Bromoform	20.0	16.2	81	2	30	64-125	
Bromomethane	20.0	22.7	113	1	30	43-128	
Carbon disulfide	20.0	29.9	149	3	30	75-132	F1
Carbon tetrachloride	20.0	19.9	100	3	30	63-128	
Chlorobenzene	20.0	21.1	105	2	30	80-120	
Chloroethane	20.0	25.7	128	1	30	60-121	F1
Chloroform	20.0	22.1	111	1	30	74-120	
Chloromethane	20.0	26.9	134	1	30	49-126	F1
cis-1,2-Dichloroethene	20.0	22.1	111	0	30	81-121	
cis-1,3-Dichloropropene	20.0	18.8	94	4	30	71-120	
Cyclohexane	20.0	28.0	140	0	30	63-126	F1
Dibromochloromethane	20.0	18.2	91	5	30	74-120	
Dichlorodifluoromethane	20.0	24.4	122	3	30	27-131	
Ethylbenzene	20.0	22.8	114	3	30	78-120	
Freon 113	20.0	25.5	127	2	30	64-131	
Isopropylbenzene	20.0	24.2	121	2	30	75-121	
Methyl acetate	20.0	16.7	84	9	30	59-165	
Methyl tertiary butyl ether	20.0	21.3	107	3	30	75-120	
Methylcyclohexane	20.0	22.3	111	1	30	60-126	
Methylene Chloride	20.0	24.8	124	1	30	77-120	F1
Styrene	20.0	21.3	106	4	30	78-120	
Tetrachloroethene	20.0	19.0	95	2	30	68-125	
Toluene	20.0	22.4	112	3	30	79-120	
trans-1,2-Dichloroethene	20.0	23.0	115	2	30	74-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: FU10X48.D

Lab ID: 410-225004-2 MSD Client ID: MW-3D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
trans-1,3-Dichloropropene	20.0	18.2	91	6	30	72-120	
Trichloroethene	20.0	20.8	104	3	30	76-120	
Trichlorofluoromethane	20.0	23.3	117	1	30	47-120	
Vinyl chloride	20.0	26.9	135	2	30	52-120	F1
Xylene (total)	60.0	64.0	107	3	30	78-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 410-654487/1-A

Instrument Code: E09 - 30921 Batch No.: 657013

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020B
7440-39-3	Barium	ND			6020B
7440-43-9	Cadmium	ND			6020B
7440-47-3	Chromium	0.627	J		6020B
7439-92-1	Lead	ND			6020B
7782-49-2	Selenium	ND			6020B
7440-22-4	Silver	ND			6020B

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ANALYTICAL REPORT

PREPARED FOR

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Generated 06/17/2025

JOB DESCRIPTION

Binghamton Plaza

JOB NUMBER

410-225004-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

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Job Notes

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Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

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06/17/2025

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Designee for
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Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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Job Narrative
410-225004-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/30/2025 4:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.9°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed on 410-655353 is compliant under 8260C/D method criteria for Chloromethane . The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-655353 recovered above the upper control limit for 4-Methyl-2-pentanone and Carbon disulfide. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-656473 recovered above the upper control limit for Acetone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: The continuing calibration verification (CCV) analyzed in batch 410-653692 was below the method criteria for the following analyte(s): Di-n-octyl phthalate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 410-653692 was below the method criteria for the following analyte(s): Di-n-octyl phthalate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The continuing calibration verification (CCV) associated with batch 410-653809 recovered above the upper control limit for bis(1-chloroispropyl)ether. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E: The initial calibration verification (ICV) result for batch 410-653809 was above the upper control limit. The affected analyte is: 3,3'-Dichlorobenzidine. Sample results were non-detects, and have been reported as qualified data.

Method 8270E: Acenaphthene, Fluorene and Pyrene were detected above the method detection limit (MDL) in the method blank associated with preparation batch 410-653575 and analytical batch 410-653809 as well as in the following samples: MW-6D (410-225004-3) and MW-8 (410-225004-5). All affected samples were re-extracted and/or re-analyzed outside of holding time. Both sets of data have been reported.

Method 8270E: Surrogate recovery for the following sample was outside control limits: MW-6D (410-225004-3). Re-

extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8011: The surrogate recovery for the blank associated with preparation batch 410-653819 and analytical batch 410-654000 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: ARM Group, Inc.
Job ID: 410-225004-1
Project/Site: Binghamton Plaza

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-225004-1	MW-2D	Water	05/29/25 09:06	05/30/25 16:43
410-225004-2	MW-3D	Water	05/29/25 11:05	05/30/25 16:43
410-225004-3	MW-6D	Water	05/29/25 12:23	05/30/25 16:43
410-225004-4	MW-7D	Water	05/29/25 08:02	05/30/25 16:43
410-225004-5	MW-8	Water	05/29/25 12:25	05/30/25 16:43
410-225004-6	EB	Water	05/29/25 09:35	05/30/25 16:43
410-225004-7	Trip Blank	Water	05/30/25 08:00	05/30/25 16:43

Detection Summary

Client: ARM Group, Inc.
Project/Site: Binghamton Plaza

Job ID: 410-225004-1

Client Sample ID: MW-2D — Lab Sample ID: 410-225004-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	12		1.0	0.30	ug/L	1		8260D	Total/NA
Acetophenone	4.1	J	5.1	1.0	ug/L	1		8270E	Total/NA
Arsenic	0.81	J	2.0	0.68	ug/L	1		6020B	Total Recoverable
Barium	39		2.0	0.75	ug/L	1		6020B	Total Recoverable
Chromium	0.92	J B	2.0	0.55	ug/L	1		6020B	Total Recoverable
Lead	1.1		0.50	0.12	ug/L	1		6020B	Total Recoverable
Selenium	0.53	J	1.0	0.28	ug/L	1		6020B	Total Recoverable
Barium	33		2.1	0.77	ug/L	1		6020B	Dissolved
Selenium	0.58	J	1.0	0.29	ug/L	1		6020B	Dissolved

Client Sample ID: MW-3D — Lab Sample ID: 410-225004-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.4	J	20	0.70	ug/L	1		8260D	Total/NA
Barium	97		2.0	0.75	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-6D — Lab Sample ID: 410-225004-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.5	J	20	0.70	ug/L	1		8260D	Total/NA
Chlorobenzene	0.80	J	1.0	0.30	ug/L	1		8260D	Total/NA
Cyclohexane	2.1	J	5.0	1.0	ug/L	1		8260D	Total/NA
Acenaphthene	7.6	B cn	0.51	0.10	ug/L	1		8270E	Total/NA
Acetophenone	2.1	J cn	5.1	1.0	ug/L	1		8270E	Total/NA
Anthracene	0.14	J cn	0.51	0.10	ug/L	1		8270E	Total/NA
Fluoranthene	0.43	J cn	0.51	0.10	ug/L	1		8270E	Total/NA
Fluorene	0.12	J B cn	0.51	0.12	ug/L	1		8270E	Total/NA
Phenanthrene	0.58	cn	0.51	0.11	ug/L	1		8270E	Total/NA
Pyrene	0.18	J B cn	0.51	0.10	ug/L	1		8270E	Total/NA
Arsenic	15		2.0	0.68	ug/L	1		6020B	Total Recoverable
Barium	350		2.0	0.75	ug/L	1		6020B	Total Recoverable
Lead	0.14	J	0.50	0.12	ug/L	1		6020B	Total Recoverable
Selenium	0.45	J	1.0	0.28	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-7D — Lab Sample ID: 410-225004-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetophenone	2.8	J	5.0	1.0	ug/L	1		8270E	Total/NA
Arsenic	25		2.0	0.68	ug/L	1		6020B	Total Recoverable
Barium	380		2.0	0.75	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARM Group, Inc.
Project/Site: Binghamton Plaza

Job ID: 410-225004-1

Client Sample ID: MW-8 — Lab Sample ID: 410-225004-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.4	J	20	0.70	ug/L	1		8260D	Total/NA
Chlorobenzene	0.80	J	1.0	0.30	ug/L	1		8260D	Total/NA
Cyclohexane	2.1	J	5.0	1.0	ug/L	1		8260D	Total/NA
Acenaphthene	8.0	B cn	0.51	0.10	ug/L	1		8270E	Total/NA
Anthracene	0.12	J	0.51	0.10	ug/L	1		8270E	Total/NA
Fluoranthene	0.47	J	0.51	0.10	ug/L	1		8270E	Total/NA
Fluorene	0.21	J B cn	0.51	0.12	ug/L	1		8270E	Total/NA
Phenanthrene	0.71		0.51	0.11	ug/L	1		8270E	Total/NA
Pyrene	0.20	J B cn	0.51	0.10	ug/L	1		8270E	Total/NA
Arsenic	14		2.0	0.68	ug/L	1		6020B	Total Recoverable
Barium	350		2.0	0.75	ug/L	1		6020B	Total Recoverable
Lead	0.12	J	0.50	0.12	ug/L	1		6020B	Total Recoverable

Client Sample ID: EB — Lab Sample ID: 410-225004-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.1	J	20	0.70	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 410-225004-7

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: ARM Group, Inc. Job ID: 410-225004-1
Project/Site: Binghamton Plaza

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
420.4	Phenolics, Total Recoverable	EPA	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE
8011	Microextraction	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Client Sample ID: MW-2D

Date Collected: 05/29/25 09:06
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 16:17	1
1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.30	ug/L			06/10/25 16:17	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 16:17	1
1,1-Dichloroethane	ND	*+	1.0	0.30	ug/L			06/10/25 16:17	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/10/25 16:17	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 16:17	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/25 16:17	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/25 16:17	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/25 16:17	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/25 16:17	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 16:17	1
2-Butanone	ND		10	1.0	ug/L			06/10/25 16:17	1
2-Hexanone	ND		10	0.85	ug/L			06/10/25 16:17	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			06/10/25 16:17	1
Acetone	ND		20	0.70	ug/L			06/10/25 16:17	1
Benzene	ND		1.0	0.30	ug/L			06/10/25 16:17	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/25 16:17	1
Bromoform	ND		4.0	1.0	ug/L			06/10/25 16:17	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/25 16:17	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			06/10/25 16:17	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/25 16:17	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/10/25 16:17	1
Chloroethane	ND		1.0	0.30	ug/L			06/10/25 16:17	1
Chloroform	**12**		1.0	0.30	ug/L			06/10/25 16:17	1
Chloromethane	ND	cn	2.0	0.55	ug/L			06/10/25 16:17	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/25 16:17	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 16:17	1
Cyclohexane	ND		5.0	1.0	ug/L			06/10/25 16:17	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/25 16:17	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/25 16:17	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/25 16:17	1
Freon 113	ND		10	0.30	ug/L			06/10/25 16:17	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/25 16:17	1
Methyl acetate	ND		5.0	0.30	ug/L			06/10/25 16:17	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/25 16:17	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/25 16:17	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/10/25 16:17	1
Styrene	ND		5.0	0.30	ug/L			06/10/25 16:17	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/25 16:17	1
Toluene	ND		1.0	0.30	ug/L			06/10/25 16:17	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/25 16:17	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 16:17	1
Trichloroethene	ND		1.0	0.30	ug/L			06/10/25 16:17	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/25 16:17	1
Vinyl chloride	ND	*+	1.0	0.30	ug/L			06/10/25 16:17	1
Xylene (total)	ND		1.0	0.40	ug/L			06/10/25 16:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*06/10/25 16:17*	*1*

Client Sample ID: MW-2D

Date Collected: 05/29/25 09:06
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 120*		*06/10/25 16:17*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/10/25 16:17*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*06/10/25 16:17*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/10/25 16:17*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
bis(1-chloroispropyl)ether	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
2,4,5-Trichlorophenol	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
2,4,6-Trichlorophenol	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
2,4-Dichlorophenol	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
2,4-Dimethylphenol	ND		10	3.1	ug/L		06/04/25 16:15	06/06/25 06:52	1
2,4-Dinitrophenol	ND		31	14	ug/L		06/04/25 16:15	06/06/25 06:52	1
2,4-Dinitrotoluene	ND		5.1	1.0	ug/L		06/04/25 16:15	06/06/25 06:52	1
2,6-Dinitrotoluene	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
2-Chloronaphthalene	ND		1.0	0.41	ug/L		06/04/25 16:15	06/06/25 06:52	1
2-Chlorophenol	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
2-Methylnaphthalene	ND		0.51	0.10	ug/L		06/04/25 16:15	06/06/25 06:52	1
2-Methylphenol	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
2-Nitroaniline	ND		5.1	1.0	ug/L		06/04/25 16:15	06/06/25 06:52	1
2-Nitrophenol	ND		5.1	1.0	ug/L		06/04/25 16:15	06/06/25 06:52	1
3,3'-Dichlorobenzidine	ND		10	4.1	ug/L		06/04/25 16:15	06/06/25 06:52	1
3-Nitroaniline	ND		5.1	2.0	ug/L		06/04/25 16:15	06/06/25 06:52	1
4,6-Dinitro-2-methylphenol	ND		21	8.2	ug/L		06/04/25 16:15	06/06/25 06:52	1
4-Bromophenyl-phenylether	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
4-Chloro-3-methylphenol	ND		5.1	1.0	ug/L		06/04/25 16:15	06/06/25 06:52	1
4-Chloroaniline	ND		10	4.1	ug/L		06/04/25 16:15	06/06/25 06:52	1
4-Chlorophenyl-phenyl ether	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
4-Methylphenol (and/or 3-Methylphenol)	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
4-Nitroaniline	ND		3.1	0.92	ug/L		06/04/25 16:15	06/06/25 06:52	1
4-Nitrophenol	ND		31	10	ug/L		06/04/25 16:15	06/06/25 06:52	1
Acenaphthene	ND		0.51	0.10	ug/L		06/04/25 16:15	06/06/25 06:52	1
Acenaphthylene	ND		0.51	0.10	ug/L		06/04/25 16:15	06/06/25 06:52	1
Acetophenone	**4.1**	**J**	5.1	1.0	ug/L		06/04/25 16:15	06/06/25 06:52	1
Anthracene	ND		0.51	0.10	ug/L		06/04/25 16:15	06/06/25 06:52	1
Atrazine	ND		5.1	1.0	ug/L		06/04/25 16:15	06/06/25 06:52	1
Benzaldehyde	ND		5.1	1.0	ug/L		06/04/25 16:15	06/06/25 06:52	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		06/04/25 16:15	06/06/25 06:52	1
Benzo[a]pyrene	ND		0.51	0.11	ug/L		06/04/25 16:15	06/06/25 06:52	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		06/04/25 16:15	06/06/25 06:52	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		06/04/25 16:15	06/06/25 06:52	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		06/04/25 16:15	06/06/25 06:52	1
Butylbenzylphthalate	ND		5.1	2.0	ug/L		06/04/25 16:15	06/06/25 06:52	1
Caprolactam	ND		7.1	3.1	ug/L		06/04/25 16:15	06/06/25 06:52	1
Carbazole	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
Chrysene	ND		0.51	0.10	ug/L		06/04/25 16:15	06/06/25 06:52	1
Di-n-butyl phthalate	ND		5.1	2.0	ug/L		06/04/25 16:15	06/06/25 06:52	1
Di-n-octyl phthalate	ND	cn	11	5.1	ug/L		06/04/25 16:15	06/06/25 06:52	1

Client Sample ID: MW-2D

Date Collected: 05/29/25 09:06
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-1

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		06/04/25 16:15	06/06/25 06:52	1
Dibenzofuran	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
Diethyl phthalate	ND		5.1	2.0	ug/L		06/04/25 16:15	06/06/25 06:52	1
Dimethyl phthalate	ND		5.1	2.0	ug/L		06/04/25 16:15	06/06/25 06:52	1
Fluoranthene	ND		0.51	0.10	ug/L		06/04/25 16:15	06/06/25 06:52	1
Fluorene	ND		0.51	0.12	ug/L		06/04/25 16:15	06/06/25 06:52	1
Hexachlorobenzene	ND		0.51	0.11	ug/L		06/04/25 16:15	06/06/25 06:52	1
Hexachlorobutadiene	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
Hexachlorocyclopentadiene	ND		11	5.1	ug/L		06/04/25 16:15	06/06/25 06:52	1
Hexachloroethane	ND		5.1	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.11	ug/L		06/04/25 16:15	06/06/25 06:52	1
Isophorone	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
N-Nitrosodi-n-propylamine	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
N-Nitrosodiphenylamine	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
Naphthalene	ND		0.51	0.27	ug/L		06/04/25 16:15	06/06/25 06:52	1
Nitrobenzene	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
Pentachlorophenol	ND		5.1	2.7	ug/L		06/04/25 16:15	06/06/25 06:52	1
Phenanthrene	ND		0.51	0.11	ug/L		06/04/25 16:15	06/06/25 06:52	1
Phenol	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
Pyrene	ND		0.51	0.10	ug/L		06/04/25 16:15	06/06/25 06:52	1
Bis(2-chloroethoxy)methane	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
Bis(2-chloroethyl)ether	ND		2.0	0.51	ug/L		06/04/25 16:15	06/06/25 06:52	1
Bis(2-ethylhexyl) phthalate	ND		5.1	2.0	ug/L		06/04/25 16:15	06/06/25 06:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.4*	*T J*	*ug/L*		*3.56*	*N/A*	*06/04/25 16:15*	*06/06/25 06:52*	*1*
4-Nitro-4'-chlorodiphenylsulphoxide	*4.2*	*T J N*	*ug/L*		*3.99*	*24535-53-3*	*06/04/25 16:15*	*06/06/25 06:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*44*		*13 - 134*	*06/04/25 16:15*	*06/06/25 06:52*	*1*
2-Fluorobiphenyl (Surr)	*47*		*45 - 120*	*06/04/25 16:15*	*06/06/25 06:52*	*1*
2-Fluorophenol (Surr)	*25*		*10 - 120*	*06/04/25 16:15*	*06/06/25 06:52*	*1*
Nitrobenzene-d5 (Surr)	*47*		*33 - 120*	*06/04/25 16:15*	*06/06/25 06:52*	*1*
p-Terphenyl-d14 (Surr)	*65*		*26 - 123*	*06/04/25 16:15*	*06/06/25 06:52*	*1*
Phenol-d5 (Surr)	*17*		*10 - 120*	*06/04/25 16:15*	*06/06/25 06:52*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide (1C)	ND	cn	0.019	0.0094	ug/L		06/06/25 06:57	06/06/25 22:48	1
1,2-Dibromo-3-Chloropropane (1C)	ND	cn	0.019	0.0094	ug/L		06/06/25 06:57	06/06/25 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,2,2-Tetrachloroethane (1C)	*111*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/06/25 22:48*	*1*
1,1,2,2-Tetrachloroethane (2C)	*108*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/06/25 22:48*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.81**	**J**	2.0	0.68	ug/L		06/09/25 22:00	06/12/25 17:58	1
Barium	**39**		2.0	0.75	ug/L		06/09/25 22:00	06/12/25 17:58	1
Cadmium	ND		0.50	0.15	ug/L		06/09/25 22:00	06/12/25 17:58	1
Chromium	**0.92**	**J B**	2.0	0.55	ug/L		06/09/25 22:00	06/12/25 17:58	1

Client Sample ID: MW-2D

Date Collected: 05/29/25 09:06
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.1**		0.50	0.12	ug/L		06/09/25 22:00	06/12/25 17:58	1
Selenium	**0.53**	**J**	1.0	0.28	ug/L		06/09/25 22:00	06/12/25 17:58	1
Silver	ND		0.50	0.10	ug/L		06/09/25 22:00	06/12/25 17:58	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.1	0.70	ug/L		06/10/25 08:50	06/12/25 20:46	1
Barium	**33**		2.1	0.77	ug/L		06/10/25 08:50	06/12/25 20:46	1
Cadmium	ND		0.52	0.16	ug/L		06/10/25 08:50	06/12/25 20:46	1
Chromium	ND		2.1	0.57	ug/L		06/10/25 08:50	06/12/25 20:46	1
Lead	ND		0.52	0.12	ug/L		06/10/25 08:50	06/12/25 20:46	1
Selenium	**0.58**	**J**	1.0	0.29	ug/L		06/10/25 08:50	06/12/25 20:46	1
Silver	ND		0.52	0.10	ug/L		06/10/25 08:50	06/12/25 20:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		06/11/25 07:42	06/11/25 18:30	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		06/17/25 10:40	06/17/25 18:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total (EPA 420.4)	ND		0.020	0.010	mg/L			06/06/25 15:57	1

Client Sample ID: MW-3D

Date Collected: 05/29/25 11:05
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 17:34	1
1,1,2,2-Tetrachloroethane	ND	F1 *+	1.0	0.30	ug/L			06/10/25 17:34	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 17:34	1
1,1-Dichloroethane	ND	F1 *+	1.0	0.30	ug/L			06/10/25 17:34	1
1,1-Dichloroethene	ND	F1	1.0	0.30	ug/L			06/10/25 17:34	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 17:34	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/25 17:34	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/25 17:34	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/25 17:34	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/25 17:34	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 17:34	1
2-Butanone	ND		10	1.0	ug/L			06/10/25 17:34	1
2-Hexanone	ND		10	0.85	ug/L			06/10/25 17:34	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			06/10/25 17:34	1
Acetone	**1.4**	**J**	20	0.70	ug/L			06/10/25 17:34	1
Benzene	ND		1.0	0.30	ug/L			06/10/25 17:34	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/25 17:34	1
Bromoform	ND		4.0	1.0	ug/L			06/10/25 17:34	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/25 17:34	1

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Date Collected: 05/29/25 11:05
Matrix: Water
Date Received: 05/30/25 16:43

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND	F1 cn	5.0	0.30	ug/L			06/10/25 17:34	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/25 17:34	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/10/25 17:34	1
Chloroethane	ND	F1	1.0	0.30	ug/L			06/10/25 17:34	1
Chloroform	ND		1.0	0.30	ug/L			06/10/25 17:34	1
Chloromethane	ND	F1 cn	2.0	0.55	ug/L			06/10/25 17:34	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/25 17:34	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 17:34	1
Cyclohexane	ND	F1	5.0	1.0	ug/L			06/10/25 17:34	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/25 17:34	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/25 17:34	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/25 17:34	1
Freon 113	ND		10	0.30	ug/L			06/10/25 17:34	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/25 17:34	1
Methyl acetate	ND		5.0	0.30	ug/L			06/10/25 17:34	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/25 17:34	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/25 17:34	1
Methylene Chloride	ND	F1	1.0	0.30	ug/L			06/10/25 17:34	1
Styrene	ND		5.0	0.30	ug/L			06/10/25 17:34	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/25 17:34	1
Toluene	ND		1.0	0.30	ug/L			06/10/25 17:34	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/25 17:34	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 17:34	1
Trichloroethene	ND		1.0	0.30	ug/L			06/10/25 17:34	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/25 17:34	1
Vinyl chloride	ND	F1 *+	1.0	0.30	ug/L			06/10/25 17:34	1
Xylene (total)	ND		1.0	0.40	ug/L			06/10/25 17:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*06/10/25 17:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*		*06/10/25 17:34*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/10/25 17:34*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/10/25 17:34*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/10/25 17:34*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
bis(1-chloroispropyl)ether	ND	cn	2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
2,4,5-Trichlorophenol	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
2,4,6-Trichlorophenol	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
2,4-Dichlorophenol	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
2,4-Dimethylphenol	ND	F1	10	3.1	ug/L		06/05/25 15:31	06/06/25 16:17	1
2,4-Dinitrophenol	ND		31	15	ug/L		06/05/25 15:31	06/06/25 16:17	1
2,4-Dinitrotoluene	ND		5.2	1.0	ug/L		06/05/25 15:31	06/06/25 16:17	1
2,6-Dinitrotoluene	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
2-Chloronaphthalene	ND		1.0	0.42	ug/L		06/05/25 15:31	06/06/25 16:17	1
2-Chlorophenol	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Date Collected: 05/29/25 11:05
Matrix: Water
Date Received: 05/30/25 16:43

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.52	0.10	ug/L		06/05/25 15:31	06/06/25 16:17	1
2-Methylphenol	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
2-Nitroaniline	ND		5.2	1.0	ug/L		06/05/25 15:31	06/06/25 16:17	1
2-Nitrophenol	ND		5.2	1.0	ug/L		06/05/25 15:31	06/06/25 16:17	1
3,3'-Dichlorobenzidine	ND	cn	10	4.2	ug/L		06/05/25 15:31	06/06/25 16:17	1
3-Nitroaniline	ND		5.2	2.1	ug/L		06/05/25 15:31	06/06/25 16:17	1
4,6-Dinitro-2-methylphenol	ND		22	8.4	ug/L		06/05/25 15:31	06/06/25 16:17	1
4-Bromophenyl-phenylether	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
4-Chloro-3-methylphenol	ND		5.2	1.0	ug/L		06/05/25 15:31	06/06/25 16:17	1
4-Chloroaniline	ND	F2	10	4.2	ug/L		06/05/25 15:31	06/06/25 16:17	1
4-Chlorophenyl-phenyl ether	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
4-Methylphenol (and/or 3-Methylphenol)	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
4-Nitroaniline	ND		3.1	0.94	ug/L		06/05/25 15:31	06/06/25 16:17	1
4-Nitrophenol	ND		31	10	ug/L		06/05/25 15:31	06/06/25 16:17	1
Acenaphthene	ND		0.52	0.10	ug/L		06/05/25 15:31	06/06/25 16:17	1
Acenaphthylene	ND		0.52	0.10	ug/L		06/05/25 15:31	06/06/25 16:17	1
Acetophenone	ND		5.2	1.0	ug/L		06/05/25 15:31	06/06/25 16:17	1
Anthracene	ND		0.52	0.10	ug/L		06/05/25 15:31	06/06/25 16:17	1
Atrazine	ND		5.2	1.0	ug/L		06/05/25 15:31	06/06/25 16:17	1
Benzaldehyde	ND		5.2	1.0	ug/L		06/05/25 15:31	06/06/25 16:17	1
Benzo[a]anthracene	ND		0.52	0.10	ug/L		06/05/25 15:31	06/06/25 16:17	1
Benzo[a]pyrene	ND		0.52	0.12	ug/L		06/05/25 15:31	06/06/25 16:17	1
Benzo[b]fluoranthene	ND		0.52	0.10	ug/L		06/05/25 15:31	06/06/25 16:17	1
Benzo[g,h,i]perylene	ND		0.52	0.10	ug/L		06/05/25 15:31	06/06/25 16:17	1
Benzo[k]fluoranthene	ND		0.52	0.10	ug/L		06/05/25 15:31	06/06/25 16:17	1
Butylbenzylphthalate	ND		5.2	2.1	ug/L		06/05/25 15:31	06/06/25 16:17	1
Caprolactam	ND		7.3	3.1	ug/L		06/05/25 15:31	06/06/25 16:17	1
Carbazole	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
Chrysene	ND		0.52	0.10	ug/L		06/05/25 15:31	06/06/25 16:17	1
Di-n-butyl phthalate	ND		5.2	2.1	ug/L		06/05/25 15:31	06/06/25 16:17	1
Di-n-octyl phthalate	ND	F2	12	5.2	ug/L		06/05/25 15:31	06/06/25 16:17	1
Dibenz(a,h)anthracene	ND		0.52	0.10	ug/L		06/05/25 15:31	06/06/25 16:17	1
Dibenzofuran	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
Diethyl phthalate	ND		5.2	2.1	ug/L		06/05/25 15:31	06/06/25 16:17	1
Dimethyl phthalate	ND		5.2	2.1	ug/L		06/05/25 15:31	06/06/25 16:17	1
Fluoranthene	ND		0.52	0.10	ug/L		06/05/25 15:31	06/06/25 16:17	1
Fluorene	ND		0.52	0.13	ug/L		06/05/25 15:31	06/06/25 16:17	1
Hexachlorobenzene	ND		0.52	0.12	ug/L		06/05/25 15:31	06/06/25 16:17	1
Hexachlorobutadiene	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
Hexachlorocyclopentadiene	ND		12	5.2	ug/L		06/05/25 15:31	06/06/25 16:17	1
Hexachloroethane	ND		5.2	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
Indeno[1,2,3-cd]pyrene	ND		0.52	0.12	ug/L		06/05/25 15:31	06/06/25 16:17	1
Isophorone	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
N-Nitrosodi-n-propylamine	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
N-Nitrosodiphenylamine	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
Naphthalene	ND		0.52	0.27	ug/L		06/05/25 15:31	06/06/25 16:17	1
Nitrobenzene	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
Pentachlorophenol	ND		5.2	2.7	ug/L		06/05/25 15:31	06/06/25 16:17	1
Phenanthrene	ND		0.52	0.12	ug/L		06/05/25 15:31	06/06/25 16:17	1

Client Sample ID: MW-3D

Date Collected: 05/29/25 11:05
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-2

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
Pyrene	ND		0.52	0.10	ug/L		06/05/25 15:31	06/06/25 16:17	1
Bis(2-chloroethoxy)methane	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
Bis(2-chloroethyl)ether	ND		2.1	0.52	ug/L		06/05/25 15:31	06/06/25 16:17	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.1	ug/L		06/05/25 15:31	06/06/25 16:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.6*	*T J*	*ug/L*		*2.38*	*N/A*	*06/05/25 15:31*	*06/06/25 16:17*	*1*
Unknown	*9.5*	*T J B*	*ug/L*		*3.35*	*N/A*	*06/05/25 15:31*	*06/06/25 16:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*50*		*13 - 134*	*06/05/25 15:31*	*06/06/25 16:17*	*1*
2-Fluorobiphenyl (Surr)	*72*		*45 - 120*	*06/05/25 15:31*	*06/06/25 16:17*	*1*
2-Fluorophenol (Surr)	*30*		*10 - 120*	*06/05/25 15:31*	*06/06/25 16:17*	*1*
Nitrobenzene-d5 (Surr)	*61*		*33 - 120*	*06/05/25 15:31*	*06/06/25 16:17*	*1*
p-Terphenyl-d14 (Surr)	*61*		*26 - 123*	*06/05/25 15:31*	*06/06/25 16:17*	*1*
Phenol-d5 (Surr)	*18*		*10 - 120*	*06/05/25 15:31*	*06/06/25 16:17*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide (1C)	ND	cn	0.019	0.0094	ug/L		06/06/25 06:57	06/06/25 23:39	1
1,2-Dibromo-3-Chloropropane (1C)	ND	cn	0.019	0.0094	ug/L		06/06/25 06:57	06/06/25 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,2,2-Tetrachloroethane (1C)	*115*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/06/25 23:39*	*1*
1,1,2,2-Tetrachloroethane (2C)	*115*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/06/25 23:39*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.68	ug/L		06/09/25 22:00	06/12/25 17:33	1
Barium	**97**		2.0	0.75	ug/L		06/09/25 22:00	06/12/25 17:33	1
Cadmium	ND		0.50	0.15	ug/L		06/09/25 22:00	06/12/25 17:33	1
Chromium	ND		2.0	0.55	ug/L		06/09/25 22:00	06/12/25 17:33	1
Lead	ND		0.50	0.12	ug/L		06/09/25 22:00	06/12/25 17:33	1
Selenium	ND		1.0	0.28	ug/L		06/09/25 22:00	06/12/25 17:33	1
Silver	ND		0.50	0.10	ug/L		06/09/25 22:00	06/12/25 17:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		06/11/25 07:42	06/11/25 18:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total (EPA 420.4)	ND	F2	0.020	0.010	mg/L			06/06/25 13:19	1

Client Sample ID: MW-6D

Date Collected: 05/29/25 12:23
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 16:36	1

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3

Date Collected: 05/29/25 12:23
Matrix: Water
Date Received: 05/30/25 16:43

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.30	ug/L			06/10/25 16:36	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 16:36	1
1,1-Dichloroethane	ND	*+	1.0	0.30	ug/L			06/10/25 16:36	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/10/25 16:36	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 16:36	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/25 16:36	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/25 16:36	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/25 16:36	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/25 16:36	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 16:36	1
2-Butanone	ND		10	1.0	ug/L			06/10/25 16:36	1
2-Hexanone	ND		10	0.85	ug/L			06/10/25 16:36	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			06/10/25 16:36	1
Acetone	**7.5**	**J**	20	0.70	ug/L			06/10/25 16:36	1
Benzene	ND		1.0	0.30	ug/L			06/10/25 16:36	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/25 16:36	1
Bromoform	ND		4.0	1.0	ug/L			06/10/25 16:36	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/25 16:36	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			06/10/25 16:36	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/25 16:36	1
Chlorobenzene	**0.80**	**J**	1.0	0.30	ug/L			06/10/25 16:36	1
Chloroethane	ND		1.0	0.30	ug/L			06/10/25 16:36	1
Chloroform	ND		1.0	0.30	ug/L			06/10/25 16:36	1
Chloromethane	ND	cn	2.0	0.55	ug/L			06/10/25 16:36	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/25 16:36	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 16:36	1
Cyclohexane	**2.1**	**J**	5.0	1.0	ug/L			06/10/25 16:36	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/25 16:36	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/25 16:36	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/25 16:36	1
Freon 113	ND		10	0.30	ug/L			06/10/25 16:36	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/25 16:36	1
Methyl acetate	ND		5.0	0.30	ug/L			06/10/25 16:36	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/25 16:36	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/25 16:36	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/10/25 16:36	1
Styrene	ND		5.0	0.30	ug/L			06/10/25 16:36	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/25 16:36	1
Toluene	ND		1.0	0.30	ug/L			06/10/25 16:36	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/25 16:36	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 16:36	1
Trichloroethene	ND		1.0	0.30	ug/L			06/10/25 16:36	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/25 16:36	1
Vinyl chloride	ND	*+	1.0	0.30	ug/L			06/10/25 16:36	1
Xylene (total)	ND		1.0	0.40	ug/L			06/10/25 16:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*06/10/25 16:36*	*1*

Client Sample ID: MW-6D

Lab Sample ID: 410-225004-3

Date Collected: 05/29/25 12:23

Matrix: Water

Date Received: 05/30/25 16:43

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 120*		*06/10/25 16:36*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/10/25 16:36*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/10/25 16:36*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/10/25 16:36*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
bis(1-chloroispropyl)ether	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
2,4,5-Trichlorophenol	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
2,4,6-Trichlorophenol	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
2,4-Dichlorophenol	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
2,4-Dimethylphenol	ND	cn	10	3.1	ug/L		06/05/25 15:31	06/06/25 17:21	1
2,4-Dinitrophenol	ND	cn	31	14	ug/L		06/05/25 15:31	06/06/25 17:21	1
2,4-Dinitrotoluene	ND	cn	5.1	1.0	ug/L		06/05/25 15:31	06/06/25 17:21	1
2,6-Dinitrotoluene	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
2-Chloronaphthalene	ND	cn	1.0	0.41	ug/L		06/05/25 15:31	06/06/25 17:21	1
2-Chlorophenol	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
2-Methylnaphthalene	ND	cn	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 17:21	1
2-Methylphenol	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
2-Nitroaniline	ND	cn	5.1	1.0	ug/L		06/05/25 15:31	06/06/25 17:21	1
2-Nitrophenol	ND	cn	5.1	1.0	ug/L		06/05/25 15:31	06/06/25 17:21	1
3,3'-Dichlorobenzidine	ND	cn	10	4.1	ug/L		06/05/25 15:31	06/06/25 17:21	1
3-Nitroaniline	ND	cn	5.1	2.0	ug/L		06/05/25 15:31	06/06/25 17:21	1
4,6-Dinitro-2-methylphenol	ND	cn	21	8.2	ug/L		06/05/25 15:31	06/06/25 17:21	1
4-Bromophenyl-phenylether	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
4-Chloro-3-methylphenol	ND	cn	5.1	1.0	ug/L		06/05/25 15:31	06/06/25 17:21	1
4-Chloroaniline	ND	cn	10	4.1	ug/L		06/05/25 15:31	06/06/25 17:21	1
4-Chlorophenyl-phenyl ether	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
4-Methylphenol (and/or 3-Methylphenol)	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
4-Nitroaniline	ND	cn	3.1	0.92	ug/L		06/05/25 15:31	06/06/25 17:21	1
4-Nitrophenol	ND	cn	31	10	ug/L		06/05/25 15:31	06/06/25 17:21	1
Acenaphthene	**7.6**	**B cn**	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 17:21	1
Acenaphthylene	ND	cn	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 17:21	1
Acetophenone	**2.1**	**J cn**	5.1	1.0	ug/L		06/05/25 15:31	06/06/25 17:21	1
Anthracene	**0.14**	**J cn**	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 17:21	1
Atrazine	ND	cn	5.1	1.0	ug/L		06/05/25 15:31	06/06/25 17:21	1
Benzaldehyde	ND	cn	5.1	1.0	ug/L		06/05/25 15:31	06/06/25 17:21	1
Benzo[a]anthracene	ND	cn	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 17:21	1
Benzo[a]pyrene	ND	cn	0.51	0.11	ug/L		06/05/25 15:31	06/06/25 17:21	1
Benzo[b]fluoranthene	ND	cn	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 17:21	1
Benzo[g,h,i]perylene	ND	cn	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 17:21	1
Benzo[k]fluoranthene	ND	cn	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 17:21	1
Butylbenzylphthalate	ND	cn	5.1	2.0	ug/L		06/05/25 15:31	06/06/25 17:21	1
Caprolactam	ND	cn	7.2	3.1	ug/L		06/05/25 15:31	06/06/25 17:21	1
Carbazole	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
Chrysene	ND	cn	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 17:21	1
Di-n-butyl phthalate	ND	cn	5.1	2.0	ug/L		06/05/25 15:31	06/06/25 17:21	1
Di-n-octyl phthalate	ND	cn	11	5.1	ug/L		06/05/25 15:31	06/06/25 17:21	1

Client Sample ID: MW-6D

Date Collected: 05/29/25 12:23
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-3

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND	cn	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 17:21	1
Dibenzofuran	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
Diethyl phthalate	ND	cn	5.1	2.0	ug/L		06/05/25 15:31	06/06/25 17:21	1
Dimethyl phthalate	ND	cn	5.1	2.0	ug/L		06/05/25 15:31	06/06/25 17:21	1
Fluoranthene	**0.43**	**J cn**	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 17:21	1
Fluorene	**0.12**	**J B cn**	0.51	0.12	ug/L		06/05/25 15:31	06/06/25 17:21	1
Hexachlorobenzene	ND	cn	0.51	0.11	ug/L		06/05/25 15:31	06/06/25 17:21	1
Hexachlorobutadiene	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
Hexachlorocyclopentadiene	ND	cn	11	5.1	ug/L		06/05/25 15:31	06/06/25 17:21	1
Hexachloroethane	ND	cn	5.1	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
Indeno[1,2,3-cd]pyrene	ND	cn	0.51	0.11	ug/L		06/05/25 15:31	06/06/25 17:21	1
Isophorone	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
N-Nitrosodi-n-propylamine	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
N-Nitrosodiphenylamine	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
Naphthalene	ND	cn	0.51	0.27	ug/L		06/05/25 15:31	06/06/25 17:21	1
Nitrobenzene	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
Pentachlorophenol	ND	cn	5.1	2.7	ug/L		06/05/25 15:31	06/06/25 17:21	1
Phenanthrene	**0.58**	**cn**	0.51	0.11	ug/L		06/05/25 15:31	06/06/25 17:21	1
Phenol	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
Pyrene	**0.18**	**J B cn**	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 17:21	1
Bis(2-chloroethoxy)methane	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
Bis(2-chloroethyl)ether	ND	cn	2.0	0.51	ug/L		06/05/25 15:31	06/06/25 17:21	1
Bis(2-ethylhexyl) phthalate	ND	cn	5.1	2.0	ug/L		06/05/25 15:31	06/06/25 17:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.4*	*T J cn*	*ug/L*		*2.39*	*N/A*	*06/05/25 15:31*	*06/06/25 17:21*	*1*
Unknown	*5.1*	*T J cn*	*ug/L*		*2.65*	*N/A*	*06/05/25 15:31*	*06/06/25 17:21*	*1*
Unknown	*8.0*	*T J B cn*	*ug/L*		*3.35*	*N/A*	*06/05/25 15:31*	*06/06/25 17:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*2*	*S1- cn*	*13 - 134*	*06/05/25 15:31*	*06/06/25 17:21*	*1*
2-Fluorobiphenyl (Surr)	*83*	*cn*	*45 - 120*	*06/05/25 15:31*	*06/06/25 17:21*	*1*
2-Fluorophenol (Surr)	*0.9*	*S1- cn*	*10 - 120*	*06/05/25 15:31*	*06/06/25 17:21*	*1*
Nitrobenzene-d5 (Surr)	*71*	*cn*	*33 - 120*	*06/05/25 15:31*	*06/06/25 17:21*	*1*
p-Terphenyl-d14 (Surr)	*50*	*cn*	*26 - 123*	*06/05/25 15:31*	*06/06/25 17:21*	*1*
Phenol-d5 (Surr)	*13*	*cn*	*10 - 120*	*06/05/25 15:31*	*06/06/25 17:21*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide (1C)	ND	cn	0.019	0.0093	ug/L		06/06/25 06:57	06/06/25 23:56	1
1,2-Dibromo-3-Chloropropane (1C)	ND	cn	0.019	0.0093	ug/L		06/06/25 06:57	06/06/25 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,2,2-Tetrachloroethane (1C)	*117*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/06/25 23:56*	*1*
1,1,2,2-Tetrachloroethane (2C)	*119*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/06/25 23:56*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**15**		2.0	0.68	ug/L		06/09/25 22:00	06/12/25 17:41	1
Barium	**350**		2.0	0.75	ug/L		06/09/25 22:00	06/12/25 17:41	1
Cadmium	ND		0.50	0.15	ug/L		06/09/25 22:00	06/12/25 17:41	1

Client Sample ID: MW-6D — Lab Sample ID: 410-225004-3

Date Collected: 05/29/25 12:23 — **Matrix: Water**
Date Received: 05/30/25 16:43

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		2.0	0.55	ug/L		06/09/25 22:00	06/12/25 17:41	1
Lead	**0.14**	**J**	0.50	0.12	ug/L		06/09/25 22:00	06/12/25 17:41	1
Selenium	**0.45**	**J**	1.0	0.28	ug/L		06/09/25 22:00	06/12/25 17:41	1
Silver	ND		0.50	0.10	ug/L		06/09/25 22:00	06/12/25 17:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		06/11/25 07:42	06/11/25 18:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total (EPA 420.4)	ND		0.020	0.010	mg/L			06/06/25 13:39	1

Client Sample ID: MW-7D — Lab Sample ID: 410-225004-4

Date Collected: 05/29/25 08:02 — **Matrix: Water**
Date Received: 05/30/25 16:43

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 16:55	1
1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.30	ug/L			06/10/25 16:55	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 16:55	1
1,1-Dichloroethane	ND	*+	1.0	0.30	ug/L			06/10/25 16:55	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/10/25 16:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 16:55	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/25 16:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/25 16:55	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/25 16:55	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/25 16:55	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 16:55	1
2-Butanone	ND		10	1.0	ug/L			06/10/25 16:55	1
2-Hexanone	ND		10	0.85	ug/L			06/10/25 16:55	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			06/10/25 16:55	1
Acetone	ND		20	0.70	ug/L			06/10/25 16:55	1
Benzene	ND		1.0	0.30	ug/L			06/10/25 16:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/25 16:55	1
Bromoform	ND		4.0	1.0	ug/L			06/10/25 16:55	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/25 16:55	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			06/10/25 16:55	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/25 16:55	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/10/25 16:55	1
Chloroethane	ND		1.0	0.30	ug/L			06/10/25 16:55	1
Chloroform	ND		1.0	0.30	ug/L			06/10/25 16:55	1
Chloromethane	ND	cn	2.0	0.55	ug/L			06/10/25 16:55	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/25 16:55	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 16:55	1
Cyclohexane	ND		5.0	1.0	ug/L			06/10/25 16:55	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/25 16:55	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/25 16:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/25 16:55	1

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Date Collected: 05/29/25 08:02
Matrix: Water
Date Received: 05/30/25 16:43

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		10	0.30	ug/L			06/10/25 16:55	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/25 16:55	1
Methyl acetate	ND		5.0	0.30	ug/L			06/10/25 16:55	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/25 16:55	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/25 16:55	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/10/25 16:55	1
Styrene	ND		5.0	0.30	ug/L			06/10/25 16:55	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/25 16:55	1
Toluene	ND		1.0	0.30	ug/L			06/10/25 16:55	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/25 16:55	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 16:55	1
Trichloroethene	ND		1.0	0.30	ug/L			06/10/25 16:55	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/25 16:55	1
Vinyl chloride	ND	*+	1.0	0.30	ug/L			06/10/25 16:55	1
Xylene (total)	ND		1.0	0.40	ug/L			06/10/25 16:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*06/10/25 16:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*		*06/10/25 16:55*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/10/25 16:55*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*06/10/25 16:55*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/10/25 16:55*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
bis(1-chloroispropyl)ether	ND	cn	2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
2,4,5-Trichlorophenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
2,4,6-Trichlorophenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
2,4-Dichlorophenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
2,4-Dimethylphenol	ND		10	3.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
2,4-Dinitrophenol	ND		30	14	ug/L		06/05/25 15:31	06/06/25 17:43	1
2,4-Dinitrotoluene	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
2,6-Dinitrotoluene	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
2-Chloronaphthalene	ND		1.0	0.40	ug/L		06/05/25 15:31	06/06/25 17:43	1
2-Chlorophenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
2-Methylnaphthalene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 17:43	1
2-Methylphenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
2-Nitroaniline	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
2-Nitrophenol	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
3,3'-Dichlorobenzidine	ND	cn	10	4.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
3-Nitroaniline	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
4,6-Dinitro-2-methylphenol	ND		21	8.1	ug/L		06/05/25 15:31	06/06/25 17:43	1
4-Bromophenyl-phenylether	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
4-Chloro-3-methylphenol	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
4-Chloroaniline	ND		10	4.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
4-Chlorophenyl-phenyl ether	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1

Client Sample ID: MW-7D

Date Collected: 05/29/25 08:02
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-4

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol (and/or 3-Methylphenol)	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
4-Nitroaniline	ND		3.0	0.91	ug/L		06/05/25 15:31	06/06/25 17:43	1
4-Nitrophenol	ND		30	10	ug/L		06/05/25 15:31	06/06/25 17:43	1
Acenaphthene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 17:43	1
Acenaphthylene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 17:43	1
Acetophenone	**2.8**	**J**	5.0	1.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
Anthracene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 17:43	1
Atrazine	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
Benzaldehyde	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 17:43	1
Benzo[a]pyrene	ND		0.50	0.11	ug/L		06/05/25 15:31	06/06/25 17:43	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 17:43	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 17:43	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 17:43	1
Butylbenzylphthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
Caprolactam	ND		7.1	3.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
Carbazole	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
Chrysene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 17:43	1
Di-n-butyl phthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
Di-n-octyl phthalate	ND		11	5.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 17:43	1
Dibenzofuran	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
Diethyl phthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
Dimethyl phthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
Fluoranthene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 17:43	1
Fluorene	ND		0.50	0.12	ug/L		06/05/25 15:31	06/06/25 17:43	1
Hexachlorobenzene	ND		0.50	0.11	ug/L		06/05/25 15:31	06/06/25 17:43	1
Hexachlorobutadiene	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
Hexachlorocyclopentadiene	ND		11	5.0	ug/L		06/05/25 15:31	06/06/25 17:43	1
Hexachloroethane	ND		5.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.11	ug/L		06/05/25 15:31	06/06/25 17:43	1
Isophorone	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
N-Nitrosodi-n-propylamine	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
N-Nitrosodiphenylamine	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
Naphthalene	ND		0.50	0.26	ug/L		06/05/25 15:31	06/06/25 17:43	1
Nitrobenzene	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
Pentachlorophenol	ND		5.0	2.6	ug/L		06/05/25 15:31	06/06/25 17:43	1
Phenanthrene	ND		0.50	0.11	ug/L		06/05/25 15:31	06/06/25 17:43	1
Phenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
Pyrene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 17:43	1
Bis(2-chloroethoxy)methane	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
Bis(2-chloroethyl)ether	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 17:43	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 17:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.5*	*T J*	*ug/L*		*2.39*	*N/A*	*06/05/25 15:31*	*06/06/25 17:43*	*1*
Unknown	*4.8*	*T J*	*ug/L*		*2.64*	*N/A*	*06/05/25 15:31*	*06/06/25 17:43*	*1*
Unknown	*7.4*	*T J B*	*ug/L*		*3.35*	*N/A*	*06/05/25 15:31*	*06/06/25 17:43*	*1*
Unknown	*6.3*	*T J*	*ug/L*		*3.41*	*N/A*	*06/05/25 15:31*	*06/06/25 17:43*	*1*

Client Sample ID: MW-7D

Date Collected: 05/29/25 08:02
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-4

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*36*		*13 - 134*	*06/05/25 15:31*	*06/06/25 17:43*	*1*
2-Fluorobiphenyl (Surr)	*70*		*45 - 120*	*06/05/25 15:31*	*06/06/25 17:43*	*1*
2-Fluorophenol (Surr)	*15*		*10 - 120*	*06/05/25 15:31*	*06/06/25 17:43*	*1*
Nitrobenzene-d5 (Surr)	*60*		*33 - 120*	*06/05/25 15:31*	*06/06/25 17:43*	*1*
p-Terphenyl-d14 (Surr)	*61*		*26 - 123*	*06/05/25 15:31*	*06/06/25 17:43*	*1*
Phenol-d5 (Surr)	*10*		*10 - 120*	*06/05/25 15:31*	*06/06/25 17:43*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide (1C)	ND	cn	0.019	0.0094	ug/L		06/06/25 06:57	06/07/25 00:13	1
1,2-Dibromo-3-Chloropropane (1C)	ND	cn	0.019	0.0094	ug/L		06/06/25 06:57	06/07/25 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,2,2-Tetrachloroethane (1C)	*118*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/07/25 00:13*	*1*
1,1,2,2-Tetrachloroethane (2C)	*113*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/07/25 00:13*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**25**		2.0	0.68	ug/L		06/09/25 22:00	06/12/25 17:44	1
Barium	**380**		2.0	0.75	ug/L		06/09/25 22:00	06/12/25 17:44	1
Cadmium	ND		0.50	0.15	ug/L		06/09/25 22:00	06/12/25 17:44	1
Chromium	ND		2.0	0.55	ug/L		06/09/25 22:00	06/12/25 17:44	1
Lead	ND		0.50	0.12	ug/L		06/09/25 22:00	06/12/25 17:44	1
Selenium	ND		1.0	0.28	ug/L		06/09/25 22:00	06/12/25 17:44	1
Silver	ND		0.50	0.10	ug/L		06/09/25 22:00	06/12/25 17:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		06/11/25 07:42	06/11/25 18:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total (EPA 420.4)	ND		0.020	0.010	mg/L			06/06/25 13:33	1

Client Sample ID: MW-8

Date Collected: 05/29/25 12:25
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 17:15	1
1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.30	ug/L			06/10/25 17:15	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 17:15	1
1,1-Dichloroethane	ND	*+	1.0	0.30	ug/L			06/10/25 17:15	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/10/25 17:15	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 17:15	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/25 17:15	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/25 17:15	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/25 17:15	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/25 17:15	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 17:15	1
2-Butanone	ND		10	1.0	ug/L			06/10/25 17:15	1

Client Sample ID: MW-8

Date Collected: 05/29/25 12:25
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10	0.85	ug/L			06/10/25 17:15	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			06/10/25 17:15	1
Acetone	**7.4**	**J**	20	0.70	ug/L			06/10/25 17:15	1
Benzene	ND		1.0	0.30	ug/L			06/10/25 17:15	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/25 17:15	1
Bromoform	ND		4.0	1.0	ug/L			06/10/25 17:15	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/25 17:15	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			06/10/25 17:15	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/25 17:15	1
Chlorobenzene	**0.80**	**J**	1.0	0.30	ug/L			06/10/25 17:15	1
Chloroethane	ND		1.0	0.30	ug/L			06/10/25 17:15	1
Chloroform	ND		1.0	0.30	ug/L			06/10/25 17:15	1
Chloromethane	ND	cn	2.0	0.55	ug/L			06/10/25 17:15	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/25 17:15	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 17:15	1
Cyclohexane	**2.1**	**J**	5.0	1.0	ug/L			06/10/25 17:15	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/25 17:15	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/25 17:15	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/25 17:15	1
Freon 113	ND		10	0.30	ug/L			06/10/25 17:15	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/25 17:15	1
Methyl acetate	ND		5.0	0.30	ug/L			06/10/25 17:15	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/25 17:15	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/25 17:15	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/10/25 17:15	1
Styrene	ND		5.0	0.30	ug/L			06/10/25 17:15	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/25 17:15	1
Toluene	ND		1.0	0.30	ug/L			06/10/25 17:15	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/25 17:15	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 17:15	1
Trichloroethene	ND		1.0	0.30	ug/L			06/10/25 17:15	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/25 17:15	1
Vinyl chloride	ND	*+	1.0	0.30	ug/L			06/10/25 17:15	1
Xylene (total)	ND		1.0	0.40	ug/L			06/10/25 17:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*06/10/25 17:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*06/10/25 17:15*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/10/25 17:15*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*06/10/25 17:15*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/10/25 17:15*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
bis(1-chloroispropyl)ether	ND	cn	2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
2,4,5-Trichlorophenol	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
2,4,6-Trichlorophenol	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5

Date Collected: 05/29/25 12:25
Matrix: Water
Date Received: 05/30/25 16:43

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
2,4-Dimethylphenol	ND		10	3.1	ug/L		06/05/25 15:31	06/06/25 18:04	1
2,4-Dinitrophenol	ND		31	14	ug/L		06/05/25 15:31	06/06/25 18:04	1
2,4-Dinitrotoluene	ND		5.1	1.0	ug/L		06/05/25 15:31	06/06/25 18:04	1
2,6-Dinitrotoluene	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
2-Chloronaphthalene	ND		1.0	0.41	ug/L		06/05/25 15:31	06/06/25 18:04	1
2-Chlorophenol	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
2-Methylnaphthalene	ND		0.51	0.10	ug/L		06/05/25 15:31	06/06/25 18:04	1
2-Methylphenol	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
2-Nitroaniline	ND		5.1	1.0	ug/L		06/05/25 15:31	06/06/25 18:04	1
2-Nitrophenol	ND		5.1	1.0	ug/L		06/05/25 15:31	06/06/25 18:04	1
3,3'-Dichlorobenzidine	ND	cn	10	4.1	ug/L		06/05/25 15:31	06/06/25 18:04	1
3-Nitroaniline	ND		5.1	2.1	ug/L		06/05/25 15:31	06/06/25 18:04	1
4,6-Dinitro-2-methylphenol	ND		22	8.2	ug/L		06/05/25 15:31	06/06/25 18:04	1
4-Bromophenyl-phenylether	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
4-Chloro-3-methylphenol	ND		5.1	1.0	ug/L		06/05/25 15:31	06/06/25 18:04	1
4-Chloroaniline	ND		10	4.1	ug/L		06/05/25 15:31	06/06/25 18:04	1
4-Chlorophenyl-phenyl ether	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
4-Methylphenol (and/or 3-Methylphenol)	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
4-Nitroaniline	ND		3.1	0.92	ug/L		06/05/25 15:31	06/06/25 18:04	1
4-Nitrophenol	ND		31	10	ug/L		06/05/25 15:31	06/06/25 18:04	1
Acenaphthene	**8.0**	**B cn**	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 18:04	1
Acenaphthylene	ND		0.51	0.10	ug/L		06/05/25 15:31	06/06/25 18:04	1
Acetophenone	ND		5.1	1.0	ug/L		06/05/25 15:31	06/06/25 18:04	1
Anthracene	**0.12**	**J**	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 18:04	1
Atrazine	ND		5.1	1.0	ug/L		06/05/25 15:31	06/06/25 18:04	1
Benzaldehyde	ND		5.1	1.0	ug/L		06/05/25 15:31	06/06/25 18:04	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		06/05/25 15:31	06/06/25 18:04	1
Benzo[a]pyrene	ND		0.51	0.11	ug/L		06/05/25 15:31	06/06/25 18:04	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		06/05/25 15:31	06/06/25 18:04	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		06/05/25 15:31	06/06/25 18:04	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		06/05/25 15:31	06/06/25 18:04	1
Butylbenzylphthalate	ND		5.1	2.1	ug/L		06/05/25 15:31	06/06/25 18:04	1
Caprolactam	ND		7.2	3.1	ug/L		06/05/25 15:31	06/06/25 18:04	1
Carbazole	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
Chrysene	ND		0.51	0.10	ug/L		06/05/25 15:31	06/06/25 18:04	1
Di-n-butyl phthalate	ND		5.1	2.1	ug/L		06/05/25 15:31	06/06/25 18:04	1
Di-n-octyl phthalate	ND		11	5.1	ug/L		06/05/25 15:31	06/06/25 18:04	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		06/05/25 15:31	06/06/25 18:04	1
Dibenzofuran	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
Diethyl phthalate	ND		5.1	2.1	ug/L		06/05/25 15:31	06/06/25 18:04	1
Dimethyl phthalate	ND		5.1	2.1	ug/L		06/05/25 15:31	06/06/25 18:04	1
Fluoranthene	**0.47**	**J**	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 18:04	1
Fluorene	**0.21**	**J B cn**	0.51	0.12	ug/L		06/05/25 15:31	06/06/25 18:04	1
Hexachlorobenzene	ND		0.51	0.11	ug/L		06/05/25 15:31	06/06/25 18:04	1
Hexachlorobutadiene	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
Hexachlorocyclopentadiene	ND		11	5.1	ug/L		06/05/25 15:31	06/06/25 18:04	1
Hexachloroethane	ND		5.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.11	ug/L		06/05/25 15:31	06/06/25 18:04	1

Client Sample ID: MW-8

Date Collected: 05/29/25 12:25
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-5

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
N-Nitrosodi-n-propylamine	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
N-Nitrosodiphenylamine	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
Naphthalene	ND		0.51	0.27	ug/L		06/05/25 15:31	06/06/25 18:04	1
Nitrobenzene	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
Pentachlorophenol	ND		5.1	2.7	ug/L		06/05/25 15:31	06/06/25 18:04	1
Phenanthrene	**0.71**		0.51	0.11	ug/L		06/05/25 15:31	06/06/25 18:04	1
Phenol	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
Pyrene	**0.20**	**J B cn**	0.51	0.10	ug/L		06/05/25 15:31	06/06/25 18:04	1
Bis(2-chloroethoxy)methane	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
Bis(2-chloroethyl)ether	ND		2.1	0.51	ug/L		06/05/25 15:31	06/06/25 18:04	1
Bis(2-ethylhexyl) phthalate	ND		5.1	2.1	ug/L		06/05/25 15:31	06/06/25 18:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.6*	*T J*	*ug/L*		*2.38*	*N/A*	*06/05/25 15:31*	*06/06/25 18:04*	*1*
Unknown	*6.5*	*T J*	*ug/L*		*2.64*	*N/A*	*06/05/25 15:31*	*06/06/25 18:04*	*1*
Unknown	*8.8*	*T J B*	*ug/L*		*3.35*	*N/A*	*06/05/25 15:31*	*06/06/25 18:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*59*		*13 - 134*	*06/05/25 15:31*	*06/06/25 18:04*	*1*
2-Fluorobiphenyl (Surr)	*76*		*45 - 120*	*06/05/25 15:31*	*06/06/25 18:04*	*1*
2-Fluorophenol (Surr)	*37*		*10 - 120*	*06/05/25 15:31*	*06/06/25 18:04*	*1*
Nitrobenzene-d5 (Surr)	*71*		*33 - 120*	*06/05/25 15:31*	*06/06/25 18:04*	*1*
p-Terphenyl-d14 (Surr)	*49*		*26 - 123*	*06/05/25 15:31*	*06/06/25 18:04*	*1*
Phenol-d5 (Surr)	*24*		*10 - 120*	*06/05/25 15:31*	*06/06/25 18:04*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide (1C)	ND	cn	0.019	0.0094	ug/L		06/06/25 06:57	06/07/25 00:30	1
1,2-Dibromo-3-Chloropropane (1C)	ND	cn	0.019	0.0094	ug/L		06/06/25 06:57	06/07/25 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,2,2-Tetrachloroethane (1C)	*120*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/07/25 00:30*	*1*
1,1,2,2-Tetrachloroethane (2C)	*118*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/07/25 00:30*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14**		2.0	0.68	ug/L		06/09/25 22:00	06/12/25 17:48	1
Barium	**350**		2.0	0.75	ug/L		06/09/25 22:00	06/12/25 17:48	1
Cadmium	ND		0.50	0.15	ug/L		06/09/25 22:00	06/12/25 17:48	1
Chromium	ND		2.0	0.55	ug/L		06/09/25 22:00	06/12/25 17:48	1
Lead	**0.12**	**J**	0.50	0.12	ug/L		06/09/25 22:00	06/12/25 17:48	1
Selenium	ND		1.0	0.28	ug/L		06/09/25 22:00	06/12/25 17:48	1
Silver	ND		0.50	0.10	ug/L		06/09/25 22:00	06/12/25 17:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		06/11/25 07:42	06/11/25 18:32	1

Client Sample ID: MW-8 Lab Sample ID: 410-225004-5

Date Collected: 05/29/25 12:25 **Matrix: Water**
Date Received: 05/30/25 16:43

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total (EPA 420.4)	ND		0.020	0.010	mg/L			06/06/25 13:36	1

Client Sample ID: EB Lab Sample ID: 410-225004-6

Date Collected: 05/29/25 09:35 **Matrix: Water**
Date Received: 05/30/25 16:43

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 15:38	1
1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.30	ug/L			06/10/25 15:38	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 15:38	1
1,1-Dichloroethane	ND	*+	1.0	0.30	ug/L			06/10/25 15:38	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/10/25 15:38	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 15:38	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/25 15:38	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/25 15:38	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/25 15:38	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/25 15:38	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 15:38	1
2-Butanone	ND		10	1.0	ug/L			06/10/25 15:38	1
2-Hexanone	ND		10	0.85	ug/L			06/10/25 15:38	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			06/10/25 15:38	1
Acetone	**5.1**	**J**	20	0.70	ug/L			06/10/25 15:38	1
Benzene	ND		1.0	0.30	ug/L			06/10/25 15:38	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/25 15:38	1
Bromoform	ND		4.0	1.0	ug/L			06/10/25 15:38	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/25 15:38	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			06/10/25 15:38	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/25 15:38	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/10/25 15:38	1
Chloroethane	ND		1.0	0.30	ug/L			06/10/25 15:38	1
Chloroform	ND		1.0	0.30	ug/L			06/10/25 15:38	1
Chloromethane	ND	cn	2.0	0.55	ug/L			06/10/25 15:38	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/25 15:38	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 15:38	1
Cyclohexane	ND		5.0	1.0	ug/L			06/10/25 15:38	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/25 15:38	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/25 15:38	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/25 15:38	1
Freon 113	ND		10	0.30	ug/L			06/10/25 15:38	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/25 15:38	1
Methyl acetate	ND		5.0	0.30	ug/L			06/10/25 15:38	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/25 15:38	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/25 15:38	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/10/25 15:38	1
Styrene	ND		5.0	0.30	ug/L			06/10/25 15:38	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/25 15:38	1
Toluene	ND		1.0	0.30	ug/L			06/10/25 15:38	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/25 15:38	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 15:38	1

Client Sample ID: EB

Date Collected: 05/29/25 09:35
Date Received: 05/30/25 16:43

Lab Sample ID: 410-225004-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.30	ug/L			06/10/25 15:38	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/25 15:38	1
Vinyl chloride	ND	*+	1.0	0.30	ug/L			06/10/25 15:38	1
Xylene (total)	ND		1.0	0.40	ug/L			06/10/25 15:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*06/10/25 15:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 120*		*06/10/25 15:38*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/10/25 15:38*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*06/10/25 15:38*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/10/25 15:38*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
bis(1-chloroispropyl)ether	ND	cn	2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
2,4,5-Trichlorophenol	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
2,4,6-Trichlorophenol	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
2,4-Dichlorophenol	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
2,4-Dimethylphenol	ND		11	3.2	ug/L		06/05/25 15:31	06/06/25 18:25	1
2,4-Dinitrophenol	ND		32	15	ug/L		06/05/25 15:31	06/06/25 18:25	1
2,4-Dinitrotoluene	ND		5.4	1.1	ug/L		06/05/25 15:31	06/06/25 18:25	1
2,6-Dinitrotoluene	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
2-Chloronaphthalene	ND		1.1	0.43	ug/L		06/05/25 15:31	06/06/25 18:25	1
2-Chlorophenol	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
2-Methylnaphthalene	ND		0.54	0.11	ug/L		06/05/25 15:31	06/06/25 18:25	1
2-Methylphenol	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
2-Nitroaniline	ND		5.4	1.1	ug/L		06/05/25 15:31	06/06/25 18:25	1
2-Nitrophenol	ND		5.4	1.1	ug/L		06/05/25 15:31	06/06/25 18:25	1
3,3'-Dichlorobenzidine	ND	cn	11	4.3	ug/L		06/05/25 15:31	06/06/25 18:25	1
3-Nitroaniline	ND		5.4	2.2	ug/L		06/05/25 15:31	06/06/25 18:25	1
4,6-Dinitro-2-methylphenol	ND		23	8.6	ug/L		06/05/25 15:31	06/06/25 18:25	1
4-Bromophenyl-phenylether	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
4-Chloro-3-methylphenol	ND		5.4	1.1	ug/L		06/05/25 15:31	06/06/25 18:25	1
4-Chloroaniline	ND		11	4.3	ug/L		06/05/25 15:31	06/06/25 18:25	1
4-Chlorophenyl-phenyl ether	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
4-Methylphenol (and/or 3-Methylphenol)	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
4-Nitroaniline	ND		3.2	0.97	ug/L		06/05/25 15:31	06/06/25 18:25	1
4-Nitrophenol	ND		32	11	ug/L		06/05/25 15:31	06/06/25 18:25	1
Acenaphthene	ND		0.54	0.11	ug/L		06/05/25 15:31	06/06/25 18:25	1
Acenaphthylene	ND		0.54	0.11	ug/L		06/05/25 15:31	06/06/25 18:25	1
Acetophenone	ND		5.4	1.1	ug/L		06/05/25 15:31	06/06/25 18:25	1
Anthracene	ND		0.54	0.11	ug/L		06/05/25 15:31	06/06/25 18:25	1
Atrazine	ND		5.4	1.1	ug/L		06/05/25 15:31	06/06/25 18:25	1
Benzaldehyde	ND		5.4	1.1	ug/L		06/05/25 15:31	06/06/25 18:25	1
Benzo[a]anthracene	ND		0.54	0.11	ug/L		06/05/25 15:31	06/06/25 18:25	1
Benzo[a]pyrene	ND		0.54	0.12	ug/L		06/05/25 15:31	06/06/25 18:25	1

Client Sample ID: EB
Lab Sample ID: 410-225004-6

Date Collected: 05/29/25 09:35
Matrix: Water
Date Received: 05/30/25 16:43

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.54	0.11	ug/L		06/05/25 15:31	06/06/25 18:25	1
Benzo[g,h,i]perylene	ND		0.54	0.11	ug/L		06/05/25 15:31	06/06/25 18:25	1
Benzo[k]fluoranthene	ND		0.54	0.11	ug/L		06/05/25 15:31	06/06/25 18:25	1
Butylbenzylphthalate	ND		5.4	2.2	ug/L		06/05/25 15:31	06/06/25 18:25	1
Caprolactam	ND		7.5	3.2	ug/L		06/05/25 15:31	06/06/25 18:25	1
Carbazole	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
Chrysene	ND		0.54	0.11	ug/L		06/05/25 15:31	06/06/25 18:25	1
Di-n-butyl phthalate	ND		5.4	2.2	ug/L		06/05/25 15:31	06/06/25 18:25	1
Di-n-octyl phthalate	ND		12	5.4	ug/L		06/05/25 15:31	06/06/25 18:25	1
Dibenz(a,h)anthracene	ND		0.54	0.11	ug/L		06/05/25 15:31	06/06/25 18:25	1
Dibenzofuran	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
Diethyl phthalate	ND		5.4	2.2	ug/L		06/05/25 15:31	06/06/25 18:25	1
Dimethyl phthalate	ND		5.4	2.2	ug/L		06/05/25 15:31	06/06/25 18:25	1
Fluoranthene	ND		0.54	0.11	ug/L		06/05/25 15:31	06/06/25 18:25	1
Fluorene	ND		0.54	0.13	ug/L		06/05/25 15:31	06/06/25 18:25	1
Hexachlorobenzene	ND		0.54	0.12	ug/L		06/05/25 15:31	06/06/25 18:25	1
Hexachlorobutadiene	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
Hexachlorocyclopentadiene	ND		12	5.4	ug/L		06/05/25 15:31	06/06/25 18:25	1
Hexachloroethane	ND		5.4	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
Indeno[1,2,3-cd]pyrene	ND		0.54	0.12	ug/L		06/05/25 15:31	06/06/25 18:25	1
Isophorone	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
N-Nitrosodi-n-propylamine	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
N-Nitrosodiphenylamine	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
Naphthalene	ND		0.54	0.28	ug/L		06/05/25 15:31	06/06/25 18:25	1
Nitrobenzene	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
Pentachlorophenol	ND		5.4	2.8	ug/L		06/05/25 15:31	06/06/25 18:25	1
Phenanthrene	ND		0.54	0.12	ug/L		06/05/25 15:31	06/06/25 18:25	1
Phenol	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
Pyrene	ND		0.54	0.11	ug/L		06/05/25 15:31	06/06/25 18:25	1
Bis(2-chloroethoxy)methane	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
Bis(2-chloroethyl)ether	ND		2.2	0.54	ug/L		06/05/25 15:31	06/06/25 18:25	1
Bis(2-ethylhexyl) phthalate	ND		5.4	2.2	ug/L		06/05/25 15:31	06/06/25 18:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*7.1*	*T J B*	*ug/L*		*3.35*	*N/A*	*06/05/25 15:31*	*06/06/25 18:25*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*3.61*	*N/A*	*06/05/25 15:31*	*06/06/25 18:25*	*1*
Unknown	*5.7*	*T J*	*ug/L*		*12.46*	*N/A*	*06/05/25 15:31*	*06/06/25 18:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*60*		*13 - 134*	*06/05/25 15:31*	*06/06/25 18:25*	*1*
2-Fluorobiphenyl (Surr)	*62*		*45 - 120*	*06/05/25 15:31*	*06/06/25 18:25*	*1*
2-Fluorophenol (Surr)	*28*		*10 - 120*	*06/05/25 15:31*	*06/06/25 18:25*	*1*
Nitrobenzene-d5 (Surr)	*51*		*33 - 120*	*06/05/25 15:31*	*06/06/25 18:25*	*1*
p-Terphenyl-d14 (Surr)	*82*		*26 - 123*	*06/05/25 15:31*	*06/06/25 18:25*	*1*
Phenol-d5 (Surr)	*18*		*10 - 120*	*06/05/25 15:31*	*06/06/25 18:25*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide (1C)	ND	cn	0.019	0.0095	ug/L		06/06/25 06:57	06/07/25 00:47	1
1,2-Dibromo-3-Chloropropane (1C)	ND	cn	0.019	0.0095	ug/L		06/06/25 06:57	06/07/25 00:47	1

Client Sample ID: EB

Lab Sample ID: 410-225004-6

Date Collected: 05/29/25 09:35

Matrix: Water

Date Received: 05/30/25 16:43

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,2,2-Tetrachloroethane (1C)	*112*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/07/25 00:47*	*1*
1,1,2,2-Tetrachloroethane (2C)	*111*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/07/25 00:47*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.68	ug/L		06/09/25 22:00	06/12/25 17:46	1
Barium	ND		2.0	0.75	ug/L		06/09/25 22:00	06/12/25 17:46	1
Cadmium	ND		0.50	0.15	ug/L		06/09/25 22:00	06/12/25 17:46	1
Chromium	ND		2.0	0.55	ug/L		06/09/25 22:00	06/12/25 17:46	1
Lead	ND		0.50	0.12	ug/L		06/09/25 22:00	06/12/25 17:46	1
Selenium	ND		1.0	0.28	ug/L		06/09/25 22:00	06/12/25 17:46	1
Silver	ND		0.50	0.10	ug/L		06/09/25 22:00	06/12/25 17:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		06/11/25 07:42	06/11/25 18:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total (EPA 420.4)	ND		0.020	0.010	mg/L			06/06/25 13:29	1

Client Sample ID: Trip Blank

Lab Sample ID: 410-225004-7

Date Collected: 05/30/25 08:00

Matrix: Water

Date Received: 05/30/25 16:43

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/25 12:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/25 12:00	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/25 12:00	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/12/25 12:00	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/12/25 12:00	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/25 12:00	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/25 12:00	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/25 12:00	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/25 12:00	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/25 12:00	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/25 12:00	1
2-Butanone	ND		10	1.0	ug/L			06/12/25 12:00	1
2-Hexanone	ND		10	0.85	ug/L			06/12/25 12:00	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/25 12:00	1
Acetone	ND	cn	20	0.70	ug/L			06/12/25 12:00	1
Benzene	ND		1.0	0.30	ug/L			06/12/25 12:00	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/25 12:00	1
Bromoform	ND		4.0	1.0	ug/L			06/12/25 12:00	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/25 12:00	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/25 12:00	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/25 12:00	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/25 12:00	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/25 12:00	1
Chloroform	ND		1.0	0.30	ug/L			06/12/25 12:00	1

Client Sample ID: Trip Blank
Lab Sample ID: 410-225004-7

Date Collected: 05/30/25 08:00
Matrix: Water
Date Received: 05/30/25 16:43

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2.0	0.55	ug/L			06/12/25 12:00	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/12/25 12:00	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/25 12:00	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/25 12:00	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/25 12:00	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/25 12:00	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/25 12:00	1
Freon 113	ND		10	0.30	ug/L			06/12/25 12:00	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/25 12:00	1
Methyl acetate	ND		5.0	0.30	ug/L			06/12/25 12:00	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/25 12:00	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/25 12:00	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/25 12:00	1
Styrene	ND		5.0	0.30	ug/L			06/12/25 12:00	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/25 12:00	1
Toluene	ND		1.0	0.30	ug/L			06/12/25 12:00	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/25 12:00	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/25 12:00	1
Trichloroethene	ND		1.0	0.30	ug/L			06/12/25 12:00	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/25 12:00	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/25 12:00	1
Xylene (total)	ND		1.0	0.40	ug/L			06/12/25 12:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*06/12/25 12:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/12/25 12:00*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/12/25 12:00*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*06/12/25 12:00*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/12/25 12:00*	*1*

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide (1C)	ND	cn	0.019	0.0094	ug/L		06/06/25 06:57	06/07/25 01:04	1
1,2-Dibromo-3-Chloropropane (1C)	ND	cn	0.019	0.0094	ug/L		06/06/25 06:57	06/07/25 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,2,2-Tetrachloroethane (1C)	*120*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/07/25 01:04*	*1*
1,1,2,2-Tetrachloroethane (2C)	*116*	*cn*	*46 - 136*	*06/06/25 06:57*	*06/07/25 01:04*	*1*

Surrogate Summary

Client: ARM Group, Inc.
Project/Site: Binghamton Plaza

Job ID: 410-225004-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-225004-1	MW-2D	91	102	96	102
410-225004-2	MW-3D	93	103	94	102
410-225004-2 MS	MW-3D	96	102	97	102
410-225004-2 MSD	MW-3D	96	101	95	101
410-225004-3	MW-6D	92	101	94	101
410-225004-4	MW-7D	93	104	97	102
410-225004-5	MW-8	95	102	96	101
410-225004-6	EB	91	101	96	102
410-225004-7	Trip Blank	104	96	104	99
LCS 410-655353/5	Lab Control Sample	97	101	96	103
LCS 410-656473/5	Lab Control Sample	103	96	99	104
MB 410-655353/8	Method Blank	92	103	94	103
MB 410-656473/7	Method Blank	106	91	104	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(13-134)	(45-120)	(10-120)	(33-120)	(26-123)	(10-120)
410-225004-1	MW-2D	44	47	25	47	65	17
410-225004-2	MW-3D	50	72	30	61	61	18
410-225004-2 MS	MW-3D	39	68	38	62	74	26
410-225004-2 MSD	MW-3D	50	77	40	69	83	30
410-225004-3	MW-6D	2 S1- cn	83 cn	0.9 S1- cn	71 cn	50 cn	13 cn
410-225004-4	MW-7D	36	70	15	60	61	10
410-225004-5	MW-8	59	76	37	71	49	24
410-225004-6	EB	60	62	28	51	82	18
LCS 410-653019/2-A	Lab Control Sample	77	73	55	77	88	40
LCS 410-653575/2-A	Lab Control Sample	60	73	40	68	86	29
LCSD 410-653019/3-A	Lab Control Sample Dup	73	71	50	73	85	37
MB 410-653019/1-A	Method Blank	68	73	40	71	85	27
MB 410-653575/1-A	Method Blank	68	85	36	72	85	22

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Surrogate Summary

Client: ARM Group, Inc. Job ID: 410-225004-1

Project/Site: Binghamton Plaza

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		1122TCA1	1122TCA2										
Lab Sample ID	Client Sample ID	(46-136)	(46-136)										
410-225004-1	MW-2D	111 cn	108 cn										
410-225004-2	MW-3D	115 cn	115 cn										
410-225004-2 MS	MW-3D	113	112										
410-225004-2 MSD	MW-3D	109	108										
410-225004-3	MW-6D	117 cn	119 cn										
410-225004-4	MW-7D	118 cn	113 cn										
410-225004-5	MW-8	120 cn	118 cn										
410-225004-6	EB	112 cn	111 cn										
410-225004-7	Trip Blank	120 cn	116 cn										
LCS 410-653819/2-A	Lab Control Sample	118	110										
LCSD 410-653819/3-A	Lab Control Sample Dup	114	110										
MB 410-653819/1-A	Method Blank	140 S1+	131										

Surrogate Legend

1122TCA = 1,1,2,2-Tetrachloroethane

Client: ARM Group, Inc.
Project/Site: Binghamton Plaza

Job ID: 410-225004-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-655353/8
Matrix: Water
Analysis Batch: 655353

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 14:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/10/25 14:39	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/25 14:39	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/10/25 14:39	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/10/25 14:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 14:39	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/25 14:39	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/25 14:39	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/25 14:39	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/25 14:39	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/25 14:39	1
2-Butanone	ND		10	1.0	ug/L			06/10/25 14:39	1
2-Hexanone	ND		10	0.85	ug/L			06/10/25 14:39	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/10/25 14:39	1
Acetone	ND		20	0.70	ug/L			06/10/25 14:39	1
Benzene	ND		1.0	0.30	ug/L			06/10/25 14:39	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/25 14:39	1
Bromoform	ND		4.0	1.0	ug/L			06/10/25 14:39	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/25 14:39	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/10/25 14:39	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/25 14:39	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/10/25 14:39	1
Chloroethane	ND		1.0	0.30	ug/L			06/10/25 14:39	1
Chloroform	ND		1.0	0.30	ug/L			06/10/25 14:39	1
Chloromethane	ND		2.0	0.55	ug/L			06/10/25 14:39	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/25 14:39	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 14:39	1
Cyclohexane	ND		5.0	1.0	ug/L			06/10/25 14:39	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/25 14:39	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/25 14:39	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/25 14:39	1
Freon 113	ND		10	0.30	ug/L			06/10/25 14:39	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/25 14:39	1
Methyl acetate	ND		5.0	0.30	ug/L			06/10/25 14:39	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/25 14:39	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/25 14:39	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/10/25 14:39	1
Styrene	ND		5.0	0.30	ug/L			06/10/25 14:39	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/25 14:39	1
Toluene	ND		1.0	0.30	ug/L			06/10/25 14:39	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/25 14:39	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/25 14:39	1
Trichloroethene	ND		1.0	0.30	ug/L			06/10/25 14:39	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/25 14:39	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/10/25 14:39	1
Xylene (total)	ND		1.0	0.40	ug/L			06/10/25 14:39	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-655353/8
Matrix: Water
Analysis Batch: 655353

Client Sample ID: Method Blank
Prep Type: Total/NA

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		06/10/25 14:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		80 - 120		06/10/25 14:39	1
4-Bromofluorobenzene (Surr)	103		80 - 120		06/10/25 14:39	1
Dibromofluoromethane (Surr)	94		80 - 120		06/10/25 14:39	1
Toluene-d8 (Surr)	103		80 - 120		06/10/25 14:39	1

Lab Sample ID: LCS 410-655353/5
Matrix: Water
Analysis Batch: 655353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	20.0		ug/L		100	73 - 120
1,1,2,2-Tetrachloroethane	20.0	24.3	*+	ug/L		122	72 - 120
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	80 - 120
1,1-Dichloroethane	20.0	24.6	*+	ug/L		123	80 - 120
1,1-Dichloroethene	20.0	25.5		ug/L		128	80 - 131
1,2,4-Trichlorobenzene	20.0	19.1		ug/L		95	63 - 120
1,2-Dichlorobenzene	20.0	19.9		ug/L		100	80 - 120
1,2-Dichloroethane	20.0	19.5		ug/L		98	73 - 124
1,2-Dichloropropane	20.0	23.4		ug/L		117	80 - 120
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
1,4-Dichlorobenzene	20.0	19.7		ug/L		98	80 - 120
2-Butanone	250	280		ug/L		112	59 - 135
2-Hexanone	250	310		ug/L		124	56 - 135
4-Methyl-2-pentanone	250	309		ug/L		123	62 - 133
Acetone	250	299		ug/L		120	57 - 143
Benzene	20.0	21.8		ug/L		109	80 - 120
Bromodichloromethane	20.0	20.2		ug/L		101	71 - 120
Bromoform	20.0	17.4		ug/L		87	51 - 120
Bromomethane	20.0	22.1		ug/L		111	53 - 128
Carbon disulfide	20.0	24.7		ug/L		124	65 - 128
Carbon tetrachloride	20.0	19.2		ug/L		96	64 - 134
Chlorobenzene	20.0	20.0		ug/L		100	80 - 120
Chloroethane	20.0	24.5		ug/L		122	55 - 123
Chloroform	20.0	21.7		ug/L		108	80 - 120
Chloromethane	20.0	25.9		ug/L		129	39 - 134
cis-1,2-Dichloroethene	20.0	21.2		ug/L		106	80 - 125
cis-1,3-Dichloropropene	20.0	19.4		ug/L		97	75 - 120
Cyclohexane	20.0	25.1		ug/L		125	68 - 126
Dibromochloromethane	20.0	18.8		ug/L		94	71 - 120
Dichlorodifluoromethane	20.0	21.8		ug/L		109	26 - 127
Ethylbenzene	20.0	21.8		ug/L		109	80 - 120
Freon 113	20.0	21.7		ug/L		109	57 - 122
Isopropylbenzene	20.0	22.7		ug/L		114	80 - 120
Methyl acetate	20.0	23.1		ug/L		116	48 - 168
Methyl tertiary butyl ether	20.0	21.2		ug/L		106	69 - 122

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-655353/5
Matrix: Water
Analysis Batch: 655353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylcyclohexane			20.0	19.8		ug/L		99	67 - 121		
Methylene Chloride			20.0	23.9		ug/L		119	80 - 120		
Styrene			20.0	20.4		ug/L		102	80 - 120		
Tetrachloroethene			20.0	17.4		ug/L		87	80 - 120		
Toluene			20.0	20.8		ug/L		104	80 - 120		
trans-1,2-Dichloroethene			20.0	21.9		ug/L		109	80 - 126		
trans-1,3-Dichloropropene			20.0	19.3		ug/L		96	67 - 120		
Trichloroethene			20.0	19.0		ug/L		95	80 - 120		
Trichlorofluoromethane			20.0	20.7		ug/L		104	51 - 120		
Vinyl chloride			20.0	24.5	*+	ug/L		123	56 - 120		
Xylene (total)			60.0	60.3		ug/L		101	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 410-225004-2 MS
Matrix: Water
Analysis Batch: 655353

Client Sample ID: MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1-Trichloroethane	ND		20.0	20.5		ug/L		103	68 - 120		
1,1,2,2-Tetrachloroethane	ND	F1 *+	20.0	23.8		ug/L		119	71 - 122		
1,1,2-Trichloroethane	ND		20.0	21.0		ug/L		105	80 - 120		
1,1-Dichloroethane	ND	F1 *+	20.0	25.6	F1	ug/L		128	74 - 120		
1,1-Dichloroethene	ND	F1	20.0	28.0	F1	ug/L		140	74 - 121		
1,2,4-Trichlorobenzene	ND		20.0	15.9		ug/L		80	65 - 123		
1,2-Dichlorobenzene	ND		20.0	19.5		ug/L		98	75 - 120		
1,2-Dichloroethane	ND		20.0	19.3		ug/L		97	69 - 120		
1,2-Dichloropropane	ND		20.0	23.8		ug/L		119	77 - 120		
1,3-Dichlorobenzene	ND		20.0	19.0		ug/L		95	77 - 120		
1,4-Dichlorobenzene	ND		20.0	19.5		ug/L		98	79 - 120		
2-Butanone	ND		250	275		ug/L		110	65 - 131		
2-Hexanone	ND		250	296		ug/L		118	67 - 132		
4-Methyl-2-pentanone	ND	cn	250	298		ug/L		119	66 - 129		
Acetone	1.4	J	250	302		ug/L		120	58 - 141		
Benzene	ND		20.0	23.0		ug/L		115	81 - 120		
Bromodichloromethane	ND		20.0	20.0		ug/L		100	73 - 120		
Bromoform	ND		20.0	15.9		ug/L		80	64 - 125		
Bromomethane	ND		20.0	22.5		ug/L		113	43 - 128		
Carbon disulfide	ND	F1 cn	20.0	29.0	F1	ug/L		145	75 - 132		
Carbon tetrachloride	ND		20.0	19.2		ug/L		96	63 - 128		
Chlorobenzene	ND		20.0	20.7		ug/L		104	80 - 120		
Chloroethane	ND	F1	20.0	25.3	F1	ug/L		126	60 - 121		
Chloroform	ND		20.0	22.3		ug/L		111	74 - 120		
Chloromethane	ND	F1 cn	20.0	26.5	F1	ug/L		132	49 - 126		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-225004-2 MS
Matrix: Water
Analysis Batch: 655353

Client Sample ID: MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	ND		20.0	22.1		ug/L		111	81 - 121
cis-1,3-Dichloropropene	ND		20.0	18.1		ug/L		91	71 - 120
Cyclohexane	ND	F1	20.0	27.8	F1	ug/L		139	63 - 126
Dibromochloromethane	ND		20.0	17.3		ug/L		87	74 - 120
Dichlorodifluoromethane	ND		20.0	23.8		ug/L		119	27 - 131
Ethylbenzene	ND		20.0	22.2		ug/L		111	78 - 120
Freon 113	ND		20.0	25.1		ug/L		125	64 - 131
Isopropylbenzene	ND		20.0	23.8		ug/L		119	75 - 121
Methyl acetate	ND		20.0	15.3		ug/L		76	59 - 165
Methyl tertiary butyl ether	ND		20.0	20.7		ug/L		103	75 - 120
Methylcyclohexane	ND		20.0	22.1		ug/L		111	60 - 126
Methylene Chloride	ND	F1	20.0	24.9	F1	ug/L		125	77 - 120
Styrene	ND		20.0	20.4		ug/L		102	78 - 120
Tetrachloroethene	ND		20.0	18.7		ug/L		94	68 - 125
Toluene	ND		20.0	21.7		ug/L		108	79 - 120
trans-1,2-Dichloroethene	ND		20.0	23.5		ug/L		117	74 - 120
trans-1,3-Dichloropropene	ND		20.0	17.2		ug/L		86	72 - 120
Trichloroethene	ND		20.0	20.2		ug/L		101	76 - 120
Trichlorofluoromethane	ND		20.0	23.0		ug/L		115	47 - 120
Vinyl chloride	ND	F1 *+	20.0	26.3	F1	ug/L		131	52 - 120
Xylene (total)	ND		60.0	62.0		ug/L		103	78 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 410-225004-2 MSD
Matrix: Water
Analysis Batch: 655353

Client Sample ID: MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		20.0	21.4		ug/L		107	68 - 120	4	30
1,1,2,2-Tetrachloroethane	ND	F1 *+	20.0	25.3	F1	ug/L		126	71 - 122	6	30
1,1,2-Trichloroethane	ND		20.0	21.0		ug/L		105	80 - 120	0	30
1,1-Dichloroethane	ND	F1 *+	20.0	26.0	F1	ug/L		130	74 - 120	2	30
1,1-Dichloroethene	ND	F1	20.0	28.6	F1	ug/L		143	74 - 121	2	30
1,2,4-Trichlorobenzene	ND		20.0	18.2		ug/L		91	65 - 123	13	30
1,2-Dichlorobenzene	ND		20.0	20.7		ug/L		103	75 - 120	6	30
1,2-Dichloroethane	ND		20.0	19.9		ug/L		99	69 - 120	3	30
1,2-Dichloropropane	ND		20.0	24.0		ug/L		120	77 - 120	1	30
1,3-Dichlorobenzene	ND		20.0	20.1		ug/L		100	77 - 120	5	30
1,4-Dichlorobenzene	ND		20.0	20.5		ug/L		102	79 - 120	5	30
2-Butanone	ND		250	288		ug/L		115	65 - 131	5	30
2-Hexanone	ND		250	307		ug/L		123	67 - 132	4	30
4-Methyl-2-pentanone	ND	cn	250	303		ug/L		121	66 - 129	2	30
Acetone	1.4	J	250	317		ug/L		126	58 - 141	5	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-225004-2 MSD
Matrix: Water
Analysis Batch: 655353

Client Sample ID: MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		20.0	23.5		ug/L		118	81 - 120	2	30
Bromodichloromethane	ND		20.0	20.2		ug/L		101	73 - 120	1	30
Bromoform	ND		20.0	16.2		ug/L		81	64 - 125	2	30
Bromomethane	ND		20.0	22.7		ug/L		113	43 - 128	1	30
Carbon disulfide	ND	F1 cn	20.0	29.9	F1	ug/L		149	75 - 132	3	30
Carbon tetrachloride	ND		20.0	19.9		ug/L		100	63 - 128	3	30
Chlorobenzene	ND		20.0	21.1		ug/L		105	80 - 120	2	30
Chloroethane	ND	F1	20.0	25.7	F1	ug/L		128	60 - 121	1	30
Chloroform	ND		20.0	22.1		ug/L		111	74 - 120	1	30
Chloromethane	ND	F1 cn	20.0	26.9	F1	ug/L		134	49 - 126	1	30
cis-1,2-Dichloroethene	ND		20.0	22.1		ug/L		111	81 - 121	0	30
cis-1,3-Dichloropropene	ND		20.0	18.8		ug/L		94	71 - 120	4	30
Cyclohexane	ND	F1	20.0	28.0	F1	ug/L		140	63 - 126	0	30
Dibromochloromethane	ND		20.0	18.2		ug/L		91	74 - 120	5	30
Dichlorodifluoromethane	ND		20.0	24.4		ug/L		122	27 - 131	3	30
Ethylbenzene	ND		20.0	22.8		ug/L		114	78 - 120	3	30
Freon 113	ND		20.0	25.5		ug/L		127	64 - 131	2	30
Isopropylbenzene	ND		20.0	24.2		ug/L		121	75 - 121	2	30
Methyl acetate	ND		20.0	16.7		ug/L		84	59 - 165	9	30
Methyl tertiary butyl ether	ND		20.0	21.3		ug/L		107	75 - 120	3	30
Methylcyclohexane	ND		20.0	22.3		ug/L		111	60 - 126	1	30
Methylene Chloride	ND	F1	20.0	24.8	F1	ug/L		124	77 - 120	1	30
Styrene	ND		20.0	21.3		ug/L		106	78 - 120	4	30
Tetrachloroethene	ND		20.0	19.0		ug/L		95	68 - 125	2	30
Toluene	ND		20.0	22.4		ug/L		112	79 - 120	3	30
trans-1,2-Dichloroethene	ND		20.0	23.0		ug/L		115	74 - 120	2	30
trans-1,3-Dichloropropene	ND		20.0	18.2		ug/L		91	72 - 120	6	30
Trichloroethene	ND		20.0	20.8		ug/L		104	76 - 120	3	30
Trichlorofluoromethane	ND		20.0	23.3		ug/L		117	47 - 120	1	30
Vinyl chloride	ND	F1 *+	20.0	26.9	F1	ug/L		135	52 - 120	2	30
Xylene (total)	ND		60.0	64.0		ug/L		107	78 - 120	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 410-656473/7
Matrix: Water
Analysis Batch: 656473

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/25 10:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/25 10:56	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/25 10:56	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/12/25 10:56	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/12/25 10:56	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-656473/7
Matrix: Water
Analysis Batch: 656473

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/25 10:56	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/25 10:56	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/25 10:56	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/25 10:56	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/25 10:56	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/25 10:56	1
2-Butanone	ND		10	1.0	ug/L			06/12/25 10:56	1
2-Hexanone	ND		10	0.85	ug/L			06/12/25 10:56	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/25 10:56	1
Acetone	ND		20	0.70	ug/L			06/12/25 10:56	1
Benzene	ND		1.0	0.30	ug/L			06/12/25 10:56	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/25 10:56	1
Bromoform	ND		4.0	1.0	ug/L			06/12/25 10:56	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/25 10:56	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/25 10:56	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/25 10:56	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/25 10:56	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/25 10:56	1
Chloroform	ND		1.0	0.30	ug/L			06/12/25 10:56	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/25 10:56	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/12/25 10:56	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/25 10:56	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/25 10:56	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/25 10:56	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/25 10:56	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/25 10:56	1
Freon 113	ND		10	0.30	ug/L			06/12/25 10:56	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/25 10:56	1
Methyl acetate	ND		5.0	0.30	ug/L			06/12/25 10:56	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/25 10:56	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/25 10:56	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/25 10:56	1
Styrene	ND		5.0	0.30	ug/L			06/12/25 10:56	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/25 10:56	1
Toluene	ND		1.0	0.30	ug/L			06/12/25 10:56	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/25 10:56	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/25 10:56	1
Trichloroethene	ND		1.0	0.30	ug/L			06/12/25 10:56	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/25 10:56	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/25 10:56	1
Xylene (total)	ND		1.0	0.40	ug/L			06/12/25 10:56	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*06/12/25 10:56*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*06/12/25 10:56*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*06/12/25 10:56*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-656473/7
Matrix: Water
Analysis Batch: 656473

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*06/12/25 10:56*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/12/25 10:56*	*1*

Lab Sample ID: LCS 410-656473/5
Matrix: Water
Analysis Batch: 656473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	20.9		ug/L		104	73 - 120
1,1,2,2-Tetrachloroethane	20.0	21.1		ug/L		105	72 - 120
1,1,2-Trichloroethane	20.0	21.3		ug/L		107	80 - 120
1,1-Dichloroethane	20.0	21.9		ug/L		110	80 - 120
1,1-Dichloroethene	20.0	24.2		ug/L		121	80 - 131
1,2,4-Trichlorobenzene	20.0	18.7		ug/L		93	63 - 120
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 120
1,2-Dichloroethane	20.0	19.9		ug/L		99	73 - 124
1,2-Dichloropropane	20.0	20.9		ug/L		104	80 - 120
1,3-Dichlorobenzene	20.0	22.1		ug/L		111	80 - 120
1,4-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
2-Butanone	250	216		ug/L		86	59 - 135
2-Hexanone	250	245		ug/L		98	56 - 135
4-Methyl-2-pentanone	250	233		ug/L		93	62 - 133
Acetone	250	283		ug/L		113	57 - 143
Benzene	20.0	21.3		ug/L		107	80 - 120
Bromodichloromethane	20.0	19.9		ug/L		100	71 - 120
Bromoform	20.0	19.0		ug/L		95	51 - 120
Bromomethane	20.0	21.5		ug/L		108	53 - 128
Carbon disulfide	20.0	20.9		ug/L		105	65 - 128
Carbon tetrachloride	20.0	20.0		ug/L		100	64 - 134
Chlorobenzene	20.0	22.1		ug/L		111	80 - 120
Chloroethane	20.0	20.6		ug/L		103	55 - 123
Chloroform	20.0	21.8		ug/L		109	80 - 120
Chloromethane	20.0	19.2		ug/L		96	39 - 134
cis-1,2-Dichloroethene	20.0	23.0		ug/L		115	80 - 125
cis-1,3-Dichloropropene	20.0	18.9		ug/L		95	75 - 120
Cyclohexane	20.0	19.1		ug/L		95	68 - 126
Dibromochloromethane	20.0	20.1		ug/L		101	71 - 120
Dichlorodifluoromethane	20.0	19.7		ug/L		98	26 - 127
Ethylbenzene	20.0	21.6		ug/L		108	80 - 120
Freon 113	20.0	19.3		ug/L		97	57 - 122
Isopropylbenzene	20.0	23.6		ug/L		118	80 - 120
Methyl acetate	20.0	18.1		ug/L		90	48 - 168
Methyl tertiary butyl ether	20.0	17.9		ug/L		90	69 - 122
Methylcyclohexane	20.0	18.9		ug/L		95	67 - 121
Methylene Chloride	20.0	22.7		ug/L		113	80 - 120
Styrene	20.0	21.5		ug/L		108	80 - 120
Tetrachloroethene	20.0	21.9		ug/L		109	80 - 120
Toluene	20.0	22.7		ug/L		113	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-656473/5
Matrix: Water
Analysis Batch: 656473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	20.0	22.8		ug/L		114	80 - 126
trans-1,3-Dichloropropene	20.0	20.2		ug/L		101	67 - 120
Trichloroethene	20.0	21.5		ug/L		107	80 - 120
Trichlorofluoromethane	20.0	18.7		ug/L		93	51 - 120
Vinyl chloride	20.0	19.7		ug/L		99	56 - 120
Xylene (total)	60.0	65.7		ug/L		110	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-653019/1-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
bis(1-chloroispropyl)ether	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
2,4,5-Trichlorophenol	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
2,4,6-Trichlorophenol	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
2,4-Dichlorophenol	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
2,4-Dimethylphenol	ND		10	3.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
2,4-Dinitrophenol	ND		30	14	ug/L		06/04/25 16:15	06/05/25 08:53	1
2,4-Dinitrotoluene	ND		5.0	1.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
2,6-Dinitrotoluene	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
2-Chloronaphthalene	ND		1.0	0.40	ug/L		06/04/25 16:15	06/05/25 08:53	1
2-Chlorophenol	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
2-Methylnaphthalene	ND		0.50	0.10	ug/L		06/04/25 16:15	06/05/25 08:53	1
2-Methylphenol	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
2-Nitroaniline	ND		5.0	1.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
2-Nitrophenol	ND		5.0	1.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
3,3'-Dichlorobenzidine	ND		10	4.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
3-Nitroaniline	ND		5.0	2.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
4,6-Dinitro-2-methylphenol	ND		21	8.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
4-Bromophenyl-phenylether	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
4-Chloro-3-methylphenol	ND		5.0	1.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
4-Chloroaniline	ND		10	4.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
4-Chlorophenyl-phenyl ether	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
4-Methylphenol (and/or 3-Methylphenol)	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
4-Nitroaniline	ND		3.0	0.90	ug/L		06/04/25 16:15	06/05/25 08:53	1
4-Nitrophenol	ND		30	10	ug/L		06/04/25 16:15	06/05/25 08:53	1
Acenaphthene	ND		0.50	0.10	ug/L		06/04/25 16:15	06/05/25 08:53	1
Acenaphthylene	ND		0.50	0.10	ug/L		06/04/25 16:15	06/05/25 08:53	1
Acetophenone	ND		5.0	1.0	ug/L		06/04/25 16:15	06/05/25 08:53	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-653019/1-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.50	0.10	ug/L		06/04/25 16:15	06/05/25 08:53	1
Atrazine	ND		5.0	1.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
Benzaldehyde	ND		5.0	1.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		06/04/25 16:15	06/05/25 08:53	1
Benzo[a]pyrene	ND		0.50	0.11	ug/L		06/04/25 16:15	06/05/25 08:53	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		06/04/25 16:15	06/05/25 08:53	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		06/04/25 16:15	06/05/25 08:53	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		06/04/25 16:15	06/05/25 08:53	1
Butylbenzylphthalate	ND		5.0	2.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
Caprolactam	ND		7.0	3.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
Carbazole	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
Chrysene	ND		0.50	0.10	ug/L		06/04/25 16:15	06/05/25 08:53	1
Di-n-butyl phthalate	ND		5.0	2.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
Di-n-octyl phthalate	ND		11	5.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		06/04/25 16:15	06/05/25 08:53	1
Dibenzofuran	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
Diethyl phthalate	ND		5.0	2.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
Dimethyl phthalate	ND		5.0	2.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
Fluoranthene	ND		0.50	0.10	ug/L		06/04/25 16:15	06/05/25 08:53	1
Fluorene	ND		0.50	0.12	ug/L		06/04/25 16:15	06/05/25 08:53	1
Hexachlorobenzene	ND		0.50	0.11	ug/L		06/04/25 16:15	06/05/25 08:53	1
Hexachlorobutadiene	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
Hexachlorocyclopentadiene	ND		11	5.0	ug/L		06/04/25 16:15	06/05/25 08:53	1
Hexachloroethane	ND		5.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.11	ug/L		06/04/25 16:15	06/05/25 08:53	1
Isophorone	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
N-Nitrosodi-n-propylamine	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
N-Nitrosodiphenylamine	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
Naphthalene	ND		0.50	0.26	ug/L		06/04/25 16:15	06/05/25 08:53	1
Nitrobenzene	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
Pentachlorophenol	ND		5.0	2.6	ug/L		06/04/25 16:15	06/05/25 08:53	1
Phenanthrene	ND		0.50	0.11	ug/L		06/04/25 16:15	06/05/25 08:53	1
Phenol	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
Pyrene	ND		0.50	0.10	ug/L		06/04/25 16:15	06/05/25 08:53	1
Bis(2-chloroethoxy)methane	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
Bis(2-chloroethyl)ether	ND		2.0	0.50	ug/L		06/04/25 16:15	06/05/25 08:53	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.0	ug/L		06/04/25 16:15	06/05/25 08:53	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexanone	*11.4*	*T J N*	*ug/L*		*3.12*	*108-94-1*	*06/04/25 16:15*	*06/05/25 08:53*	*1*
Unknown	*6.94*	*T J*	*ug/L*		*3.30*	*N/A*	*06/04/25 16:15*	*06/05/25 08:53*	*1*
Unknown	*5.23*	*T J*	*ug/L*		*3.56*	*N/A*	*06/04/25 16:15*	*06/05/25 08:53*	*1*

Surrogate	*%Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*13 - 134*	*06/04/25 16:15*	*06/05/25 08:53*	*1*
2-Fluorobiphenyl (Surr)	*73*		*45 - 120*	*06/04/25 16:15*	*06/05/25 08:53*	*1*
2-Fluorophenol (Surr)	*40*		*10 - 120*	*06/04/25 16:15*	*06/05/25 08:53*	*1*
Nitrobenzene-d5 (Surr)	*71*		*33 - 120*	*06/04/25 16:15*	*06/05/25 08:53*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-653019/1-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653019

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	*85*		*26 - 123*	*06/04/25 16:15*	*06/05/25 08:53*	*1*
Phenol-d5 (Surr)	*27*		*10 - 120*	*06/04/25 16:15*	*06/05/25 08:53*	*1*

Lab Sample ID: LCS 410-653019/2-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	50.0	46.7		ug/L		93	51 - 126
bis(1-chloroispropyl)ether	50.0	43.5		ug/L		87	22 - 139
2,4,5-Trichlorophenol	50.0	50.7		ug/L		101	55 - 133
2,4,6-Trichlorophenol	50.0	51.4		ug/L		103	54 - 139
2,4-Dichlorophenol	50.0	51.1		ug/L		102	51 - 135
2,4-Dimethylphenol	50.0	50.3		ug/L		101	47 - 128
2,4-Dinitrophenol	100	108		ug/L		108	14 - 161
2,4-Dinitrotoluene	50.0	51.8		ug/L		104	54 - 143
2,6-Dinitrotoluene	50.0	52.7		ug/L		105	53 - 139
2-Chloronaphthalene	50.0	46.3		ug/L		93	48 - 124
2-Chlorophenol	50.0	44.9		ug/L		90	45 - 122
2-Methylnaphthalene	50.0	46.7		ug/L		93	49 - 124
2-Methylphenol	50.0	43.0		ug/L		86	42 - 120
2-Nitroaniline	50.0	50.9		ug/L		102	49 - 144
2-Nitrophenol	50.0	51.9		ug/L		104	42 - 145
3,3'-Dichlorobenzidine	100	61.1		ug/L		61	26 - 120
3-Nitroaniline	50.0	42.9		ug/L		86	39 - 130
4,6-Dinitro-2-methylphenol	100	112		ug/L		112	33 - 172
4-Bromophenyl-phenylether	50.0	49.6		ug/L		99	49 - 135
4-Chloro-3-methylphenol	50.0	46.4		ug/L		93	49 - 130
4-Chloroaniline	50.0	37.6		ug/L		75	28 - 120
4-Chlorophenyl-phenyl ether	50.0	45.9		ug/L		92	49 - 125
4-Methylphenol (and/or 3-Methylphenol)	50.0	39.1		ug/L		78	38 - 120
4-Nitroaniline	50.0	46.5		ug/L		93	41 - 133
4-Nitrophenol	100	56.4		ug/L		56	20 - 120
Acenaphthene	50.0	46.7		ug/L		93	52 - 125
Acenaphthylene	50.0	49.3		ug/L		99	51 - 131
Acetophenone	50.0	44.5		ug/L		89	46 - 126
Anthracene	50.0	50.8		ug/L		102	55 - 134
Atrazine	50.0	54.0		ug/L		108	54 - 141
Benzaldehyde	50.0	45.7		ug/L		91	42 - 125
Benzo[a]anthracene	50.0	47.0		ug/L		94	54 - 134
Benzo[a]pyrene	50.0	51.1		ug/L		102	58 - 135
Benzo[b]fluoranthene	50.0	47.3		ug/L		95	51 - 132
Benzo[g,h,i]perylene	50.0	50.9		ug/L		102	50 - 138
Benzo[k]fluoranthene	50.0	51.0		ug/L		102	58 - 140
Butylbenzylphthalate	50.0	40.5		ug/L		81	34 - 135
Caprolactam	50.0	14.5		ug/L		29	10 - 120
Carbazole	50.0	51.4		ug/L		103	52 - 138
Chrysene	50.0	47.4		ug/L		95	56 - 136

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-653019/2-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	50.0	47.3		ug/L		95	49 - 143
Di-n-octyl phthalate	50.0	41.9		ug/L		84	44 - 147
Dibenz(a,h)anthracene	50.0	50.8		ug/L		102	47 - 141
Dibenzofuran	50.0	46.6		ug/L		93	50 - 128
Diethyl phthalate	50.0	43.6		ug/L		87	45 - 130
Dimethyl phthalate	50.0	42.3		ug/L		85	30 - 124
Fluoranthene	50.0	50.1		ug/L		100	56 - 137
Fluorene	50.0	46.6		ug/L		93	50 - 128
Hexachlorobenzene	50.0	49.4		ug/L		99	47 - 135
Hexachlorobutadiene	50.0	41.6		ug/L		83	31 - 120
Hexachlorocyclopentadiene	50.0	31.5		ug/L		63	10 - 120
Hexachloroethane	50.0	37.2		ug/L		74	35 - 120
Indeno[1,2,3-cd]pyrene	50.0	48.6		ug/L		97	47 - 140
Isophorone	50.0	47.6		ug/L		95	47 - 129
N-Nitrosodi-n-propylamine	50.0	43.3		ug/L		87	41 - 123
N-Nitrosodiphenylamine	42.5	44.6		ug/L		105	48 - 144
Naphthalene	50.0	46.9		ug/L		94	49 - 121
Nitrobenzene	50.0	50.1		ug/L		100	43 - 128
Pentachlorophenol	100	102		ug/L		102	45 - 149
Phenanthrene	50.0	49.3		ug/L		99	55 - 132
Phenol	50.0	28.1		ug/L		56	18 - 120
Pyrene	50.0	47.4		ug/L		95	58 - 131
Bis(2-chloroethoxy)methane	50.0	47.7		ug/L		95	48 - 131
Bis(2-chloroethyl)ether	50.0	45.6		ug/L		91	46 - 123
Bis(2-ethylhexyl) phthalate	50.0	41.7		ug/L		83	46 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*77*		*13 - 134*
2-Fluorobiphenyl (Surr)	*73*		*45 - 120*
2-Fluorophenol (Surr)	*55*		*10 - 120*
Nitrobenzene-d5 (Surr)	*77*		*33 - 120*
p-Terphenyl-d14 (Surr)	*88*		*26 - 123*
Phenol-d5 (Surr)	*40*		*10 - 120*

Lab Sample ID: LCSD 410-653019/3-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 653019

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	50.0	43.5		ug/L		87	51 - 126	7	30
bis(1-chloroispropyl)ether	50.0	41.2		ug/L		82	22 - 139	5	30
2,4,5-Trichlorophenol	50.0	46.1		ug/L		92	55 - 133	9	30
2,4,6-Trichlorophenol	50.0	47.3		ug/L		95	54 - 139	8	30
2,4-Dichlorophenol	50.0	44.6		ug/L		89	51 - 135	14	30
2,4-Dimethylphenol	50.0	45.6		ug/L		91	47 - 128	10	30
2,4-Dinitrophenol	100	97.9		ug/L		98	14 - 161	10	30
2,4-Dinitrotoluene	50.0	47.6		ug/L		95	54 - 143	9	30
2,6-Dinitrotoluene	50.0	49.6		ug/L		99	53 - 139	6	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-653019/3-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 653019

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Chloronaphthalene	50.0	42.3		ug/L		85	48 - 124	9	30
2-Chlorophenol	50.0	39.9		ug/L		80	45 - 122	12	30
2-Methylnaphthalene	50.0	42.0		ug/L		84	49 - 124	11	30
2-Methylphenol	50.0	38.5		ug/L		77	42 - 120	11	30
2-Nitroaniline	50.0	48.2		ug/L		96	49 - 144	5	30
2-Nitrophenol	50.0	46.6		ug/L		93	42 - 145	11	30
3,3'-Dichlorobenzidine	100	56.1		ug/L		56	26 - 120	9	30
3-Nitroaniline	50.0	39.3		ug/L		79	39 - 130	9	30
4,6-Dinitro-2-methylphenol	100	101		ug/L		101	33 - 172	10	30
4-Bromophenyl-phenylether	50.0	48.2		ug/L		96	49 - 135	3	30
4-Chloro-3-methylphenol	50.0	41.3		ug/L		83	49 - 130	12	30
4-Chloroaniline	50.0	34.7		ug/L		69	28 - 120	8	30
4-Chlorophenyl-phenyl ether	50.0	42.7		ug/L		85	49 - 125	7	30
4-Methylphenol (and/or 3-Methylphenol)	50.0	34.8		ug/L		70	38 - 120	12	30
4-Nitroaniline	50.0	41.9		ug/L		84	41 - 133	10	30
4-Nitrophenol	100	46.3		ug/L		46	20 - 120	20	30
Acenaphthene	50.0	43.6		ug/L		87	52 - 125	7	30
Acenaphthylene	50.0	46.0		ug/L		92	51 - 131	7	30
Acetophenone	50.0	41.0		ug/L		82	46 - 126	8	30
Anthracene	50.0	48.0		ug/L		96	55 - 134	6	30
Atrazine	50.0	49.9		ug/L		100	54 - 141	8	30
Benzaldehyde	50.0	43.0		ug/L		86	42 - 125	6	30
Benzo[a]anthracene	50.0	42.9		ug/L		86	54 - 134	9	30
Benzo[a]pyrene	50.0	48.4		ug/L		97	58 - 135	6	30
Benzo[b]fluoranthene	50.0	45.0		ug/L		90	51 - 132	5	30
Benzo[g,h,i]perylene	50.0	48.4		ug/L		97	50 - 138	5	30
Benzo[k]fluoranthene	50.0	47.4		ug/L		95	58 - 140	7	30
Butylbenzylphthalate	50.0	38.3		ug/L		77	34 - 135	6	30
Caprolactam	50.0	12.6		ug/L		25	10 - 120	14	30
Carbazole	50.0	46.8		ug/L		94	52 - 138	9	30
Chrysene	50.0	43.3		ug/L		87	56 - 136	9	30
Di-n-butyl phthalate	50.0	44.8		ug/L		90	49 - 143	6	30
Di-n-octyl phthalate	50.0	38.6		ug/L		77	44 - 147	8	30
Dibenz(a,h)anthracene	50.0	49.0		ug/L		98	47 - 141	4	30
Dibenzofuran	50.0	43.5		ug/L		87	50 - 128	7	30
Diethyl phthalate	50.0	42.0		ug/L		84	45 - 130	4	30
Dimethyl phthalate	50.0	41.3		ug/L		83	30 - 124	2	30
Fluoranthene	50.0	45.1		ug/L		90	56 - 137	10	30
Fluorene	50.0	43.9		ug/L		88	50 - 128	6	30
Hexachlorobenzene	50.0	47.1		ug/L		94	47 - 135	5	30
Hexachlorobutadiene	50.0	36.1		ug/L		72	31 - 120	14	30
Hexachlorocyclopentadiene	50.0	29.5		ug/L		59	10 - 120	7	30
Hexachloroethane	50.0	33.4		ug/L		67	35 - 120	11	30
Indeno[1,2,3-cd]pyrene	50.0	46.9		ug/L		94	47 - 140	4	30
Isophorone	50.0	43.5		ug/L		87	47 - 129	9	30
N-Nitrosodi-n-propylamine	50.0	40.5		ug/L		81	41 - 123	7	30
N-Nitrosodiphenylamine	42.5	42.1		ug/L		99	48 - 144	6	30
Naphthalene	50.0	42.0		ug/L		84	49 - 121	11	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-653019/3-A
Matrix: Water
Analysis Batch: 653230

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 653019

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrobenzene			50.0	46.2		ug/L		92	43 - 128	8	30
Pentachlorophenol			100	90.9		ug/L		91	45 - 149	12	30
Phenanthrene			50.0	46.2		ug/L		92	55 - 132	7	30
Phenol			50.0	24.8		ug/L		50	18 - 120	13	30
Pyrene			50.0	44.4		ug/L		89	58 - 131	7	30
Bis(2-chloroethoxy)methane			50.0	43.7		ug/L		87	48 - 131	9	30
Bis(2-chloroethyl)ether			50.0	42.1		ug/L		84	46 - 123	8	30
Bis(2-ethylhexyl) phthalate			50.0	37.6		ug/L		75	46 - 143	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*73*		*13 - 134*
2-Fluorobiphenyl (Surr)	*71*		*45 - 120*
2-Fluorophenol (Surr)	*50*		*10 - 120*
Nitrobenzene-d5 (Surr)	*73*		*33 - 120*
p-Terphenyl-d14 (Surr)	*85*		*26 - 123*
Phenol-d5 (Surr)	*37*		*10 - 120*

Lab Sample ID: MB 410-653575/1-A
Matrix: Water
Analysis Batch: 653809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653575

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
bis(1-chloroispropyl)ether	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,4,5-Trichlorophenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,4,6-Trichlorophenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,4-Dichlorophenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,4-Dimethylphenol	ND		10	3.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,4-Dinitrophenol	ND		30	14	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,4-Dinitrotoluene	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
2,6-Dinitrotoluene	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2-Chloronaphthalene	ND		1.0	0.40	ug/L		06/05/25 15:31	06/06/25 09:29	1
2-Chlorophenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2-Methylnaphthalene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
2-Methylphenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
2-Nitroaniline	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
2-Nitrophenol	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
3,3'-Dichlorobenzidine	ND		10	4.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
3-Nitroaniline	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
4,6-Dinitro-2-methylphenol	ND		21	8.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Bromophenyl-phenylether	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Chloro-3-methylphenol	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Chloroaniline	ND		10	4.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Chlorophenyl-phenyl ether	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Methylphenol (and/or 3-Methylphenol)	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Nitroaniline	ND		3.0	0.90	ug/L		06/05/25 15:31	06/06/25 09:29	1
4-Nitrophenol	ND		30	10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Acenaphthene	0.456	J	0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-653575/1-A
Matrix: Water
Analysis Batch: 653809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653575

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Acetophenone	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Anthracene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Atrazine	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Benzaldehyde	ND		5.0	1.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Benzo[a]pyrene	ND		0.50	0.11	ug/L		06/05/25 15:31	06/06/25 09:29	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Butylbenzylphthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Caprolactam	ND		7.0	3.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Carbazole	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Chrysene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Di-n-butyl phthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Di-n-octyl phthalate	ND		11	5.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Dibenzofuran	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Diethyl phthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Dimethyl phthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Fluoranthene	ND		0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Fluorene	0.814		0.50	0.12	ug/L		06/05/25 15:31	06/06/25 09:29	1
Hexachlorobenzene	ND		0.50	0.11	ug/L		06/05/25 15:31	06/06/25 09:29	1
Hexachlorobutadiene	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Hexachlorocyclopentadiene	ND		11	5.0	ug/L		06/05/25 15:31	06/06/25 09:29	1
Hexachloroethane	ND		5.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.11	ug/L		06/05/25 15:31	06/06/25 09:29	1
Isophorone	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
N-Nitrosodi-n-propylamine	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
N-Nitrosodiphenylamine	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Naphthalene	ND		0.50	0.26	ug/L		06/05/25 15:31	06/06/25 09:29	1
Nitrobenzene	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Pentachlorophenol	ND		5.0	2.6	ug/L		06/05/25 15:31	06/06/25 09:29	1
Phenanthrene	ND		0.50	0.11	ug/L		06/05/25 15:31	06/06/25 09:29	1
Phenol	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Pyrene	0.232	J	0.50	0.10	ug/L		06/05/25 15:31	06/06/25 09:29	1
Bis(2-chloroethoxy)methane	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Bis(2-chloroethyl)ether	ND		2.0	0.50	ug/L		06/05/25 15:31	06/06/25 09:29	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.0	ug/L		06/05/25 15:31	06/06/25 09:29	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.80*	*T J*	*ug/L*		*2.65*	*N/A*	*06/05/25 15:31*	*06/06/25 09:29*	*1*
Unknown	*6.35*	*T J*	*ug/L*		*3.18*	*N/A*	*06/05/25 15:31*	*06/06/25 09:29*	*1*
Unknown	*7.47*	*T J*	*ug/L*		*3.36*	*N/A*	*06/05/25 15:31*	*06/06/25 09:29*	*1*
Unknown	*5.14*	*T J*	*ug/L*		*3.61*	*N/A*	*06/05/25 15:31*	*06/06/25 09:29*	*1*
1-Methylnaphthalene	*0.343*	*J*	*ug/L*		*6.22*	*90-12-0*	*06/05/25 15:31*	*06/06/25 09:29*	*1*
Unknown	*7.07*	*T J*	*ug/L*		*6.89*	*N/A*	*06/05/25 15:31*	*06/06/25 09:29*	*1*
Unknown	*8.73*	*T J*	*ug/L*		*7.37*	*N/A*	*06/05/25 15:31*	*06/06/25 09:29*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-653575/1-A
Matrix: Water
Analysis Batch: 653809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653575

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Naphthalene, 1-(2-propenyl)-	4.91	T J N	ug/L		7.71	2489-86-3	06/05/25 15:31	06/06/25 09:29	1
Unknown	6.03	T J	ug/L		7.78	N/A	06/05/25 15:31	06/06/25 09:29	1
Heptadecane, 2,6,10,14-tetramethyl-	5.75	T J N	ug/L		8.04	18344-37-1	06/05/25 15:31	06/06/25 09:29	1
Unknown	10.7	T J	ug/L		9.66	N/A	06/05/25 15:31	06/06/25 09:29	1
Cyclic octaatomic sulfur	39.3	T J N	ug/L		9.73	10544-50-0	06/05/25 15:31	06/06/25 09:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		13 - 134	06/05/25 15:31	06/06/25 09:29	1
2-Fluorobiphenyl (Surr)	85		45 - 120	06/05/25 15:31	06/06/25 09:29	1
2-Fluorophenol (Surr)	36		10 - 120	06/05/25 15:31	06/06/25 09:29	1
Nitrobenzene-d5 (Surr)	72		33 - 120	06/05/25 15:31	06/06/25 09:29	1
p-Terphenyl-d14 (Surr)	85		26 - 123	06/05/25 15:31	06/06/25 09:29	1
Phenol-d5 (Surr)	22		10 - 120	06/05/25 15:31	06/06/25 09:29	1

Lab Sample ID: LCS 410-653575/2-A
Matrix: Water
Analysis Batch: 653809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653575

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	50.0	40.6		ug/L		81	51 - 126
bis(1-chloroispropyl)ether	50.0	56.7		ug/L		113	22 - 139
2,4,5-Trichlorophenol	50.0	40.4		ug/L		81	55 - 133
2,4,6-Trichlorophenol	50.0	43.6		ug/L		87	54 - 139
2,4-Dichlorophenol	50.0	40.2		ug/L		80	51 - 135
2,4-Dimethylphenol	50.0	37.7		ug/L		75	47 - 128
2,4-Dinitrophenol	100	67.2		ug/L		67	14 - 161
2,4-Dinitrotoluene	50.0	44.6		ug/L		89	54 - 143
2,6-Dinitrotoluene	50.0	44.0		ug/L		88	53 - 139
2-Chloronaphthalene	50.0	44.1		ug/L		88	48 - 124
2-Chlorophenol	50.0	33.8		ug/L		68	45 - 122
2-Methylnaphthalene	50.0	40.7		ug/L		81	49 - 124
2-Methylphenol	50.0	31.4		ug/L		63	42 - 120
2-Nitroaniline	50.0	41.8		ug/L		84	49 - 144
2-Nitrophenol	50.0	33.6		ug/L		67	42 - 145
3,3'-Dichlorobenzidine	100	64.6		ug/L		65	26 - 120
3-Nitroaniline	50.0	38.2		ug/L		76	39 - 130
4,6-Dinitro-2-methylphenol	100	78.8		ug/L		79	33 - 172
4-Bromophenyl-phenylether	50.0	48.7		ug/L		97	49 - 135
4-Chloro-3-methylphenol	50.0	34.4		ug/L		69	49 - 130
4-Chloroaniline	50.0	30.6		ug/L		61	28 - 120
4-Chlorophenyl-phenyl ether	50.0	43.9		ug/L		88	49 - 125
4-Methylphenol (and/or 3-Methylphenol)	50.0	26.3		ug/L		53	38 - 120
4-Nitroaniline	50.0	38.8		ug/L		78	41 - 133
4-Nitrophenol	100	41.4		ug/L		41	20 - 120
Acenaphthene	50.0	41.9		ug/L		84	52 - 125
Acenaphthylene	50.0	46.2		ug/L		92	51 - 131
Acetophenone	50.0	39.1		ug/L		78	46 - 126

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-653575/2-A
Matrix: Water
Analysis Batch: 653809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653575

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	50.0	44.0		ug/L		88	55 - 134
Atrazine	50.0	41.2		ug/L		82	54 - 141
Benzaldehyde	50.0	36.0		ug/L		72	42 - 125
Benzo[a]anthracene	50.0	45.1		ug/L		90	54 - 134
Benzo[a]pyrene	50.0	45.7		ug/L		91	58 - 135
Benzo[b]fluoranthene	50.0	49.0		ug/L		98	51 - 132
Benzo[g,h,i]perylene	50.0	53.3		ug/L		107	50 - 138
Benzo[k]fluoranthene	50.0	49.8		ug/L		100	58 - 140
Butylbenzylphthalate	50.0	35.2		ug/L		70	34 - 135
Caprolactam	50.0	10.5		ug/L		21	10 - 120
Carbazole	50.0	50.4		ug/L		101	52 - 138
Chrysene	50.0	46.0		ug/L		92	56 - 136
Di-n-butyl phthalate	50.0	42.0		ug/L		84	49 - 143
Di-n-octyl phthalate	50.0	45.4		ug/L		91	44 - 147
Dibenz(a,h)anthracene	50.0	51.0		ug/L		102	47 - 141
Dibenzofuran	50.0	45.6		ug/L		91	50 - 128
Diethyl phthalate	50.0	41.8		ug/L		84	45 - 130
Dimethyl phthalate	50.0	30.4		ug/L		61	30 - 124
Fluoranthene	50.0	48.0		ug/L		96	56 - 137
Fluorene	50.0	43.7		ug/L		87	50 - 128
Hexachlorobenzene	50.0	46.7		ug/L		93	47 - 135
Hexachlorobutadiene	50.0	39.8		ug/L		80	31 - 120
Hexachlorocyclopentadiene	50.0	30.5		ug/L		61	10 - 120
Hexachloroethane	50.0	32.2		ug/L		64	35 - 120
Indeno[1,2,3-cd]pyrene	50.0	50.5		ug/L		101	47 - 140
Isophorone	50.0	40.9		ug/L		82	47 - 129
N-Nitrosodi-n-propylamine	50.0	37.4		ug/L		75	41 - 123
N-Nitrosodiphenylamine	42.5	41.6		ug/L		98	48 - 144
Naphthalene	50.0	41.6		ug/L		83	49 - 121
Nitrobenzene	50.0	40.8		ug/L		82	43 - 128
Pentachlorophenol	100	78.7		ug/L		79	45 - 149
Phenanthrene	50.0	44.4		ug/L		89	55 - 132
Phenol	50.0	18.9		ug/L		38	18 - 120
Pyrene	50.0	46.8		ug/L		94	58 - 131
Bis(2-chloroethoxy)methane	50.0	47.2		ug/L		94	48 - 131
Bis(2-chloroethyl)ether	50.0	39.1		ug/L		78	46 - 123
Bis(2-ethylhexyl) phthalate	50.0	41.7		ug/L		83	46 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*60*		*13 - 134*
2-Fluorobiphenyl (Surr)	*73*		*45 - 120*
2-Fluorophenol (Surr)	*40*		*10 - 120*
Nitrobenzene-d5 (Surr)	*68*		*33 - 120*
p-Terphenyl-d14 (Surr)	*86*		*26 - 123*
Phenol-d5 (Surr)	*29*		*10 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-225004-2 MS
Matrix: Water
Analysis Batch: 653809

Client Sample ID: MW-3D
Prep Type: Total/NA
Prep Batch: 653575

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	ND		51.1	39.0		ug/L		76	51 - 126
bis(1-chloroispropyl)ether	ND	cn	51.1	57.9		ug/L		113	22 - 139
2,4,5-Trichlorophenol	ND		51.1	40.1		ug/L		78	55 - 133
2,4,6-Trichlorophenol	ND		51.1	36.0		ug/L		70	54 - 139
2,4-Dichlorophenol	ND		51.1	38.7		ug/L		76	51 - 135
2,4-Dimethylphenol	ND	F1	51.1	19.1	F1	ug/L		37	47 - 128
2,4-Dinitrophenol	ND		102	67.6		ug/L		66	14 - 161
2,4-Dinitrotoluene	ND		51.1	43.2		ug/L		84	54 - 143
2,6-Dinitrotoluene	ND		51.1	42.5		ug/L		83	53 - 139
2-Chloronaphthalene	ND		51.1	41.8		ug/L		82	48 - 124
2-Chlorophenol	ND		51.1	32.2		ug/L		63	45 - 122
2-Methylnaphthalene	ND		51.1	38.5		ug/L		75	49 - 124
2-Methylphenol	ND		51.1	28.1		ug/L		55	42 - 120
2-Nitroaniline	ND		51.1	38.6		ug/L		75	49 - 144
2-Nitrophenol	ND		51.1	33.5		ug/L		66	42 - 145
3,3'-Dichlorobenzidine	ND	cn	102	58.5		ug/L		57	26 - 120
3-Nitroaniline	ND		51.1	32.6		ug/L		64	39 - 130
4,6-Dinitro-2-methylphenol	ND		102	74.8		ug/L		73	33 - 172
4-Bromophenyl-phenylether	ND		51.1	47.4		ug/L		93	49 - 135
4-Chloro-3-methylphenol	ND		51.1	29.3		ug/L		57	49 - 130
4-Chloroaniline	ND	F2	51.1	24.0		ug/L		47	28 - 120
4-Chlorophenyl-phenyl ether	ND		51.1	42.9		ug/L		84	49 - 125
4-Methylphenol (and/or 3-Methylphenol)	ND		51.1	22.3		ug/L		44	38 - 120
4-Nitroaniline	ND		51.1	34.9		ug/L		68	41 - 133
4-Nitrophenol	ND		102	42.8		ug/L		42	20 - 120
Acenaphthene	ND		51.1	40.0		ug/L		78	52 - 125
Acenaphthylene	ND		51.1	45.9		ug/L		90	51 - 131
Acetophenone	ND		51.1	39.0		ug/L		76	46 - 126
Anthracene	ND		51.1	41.1		ug/L		81	55 - 134
Atrazine	ND		51.1	37.2		ug/L		73	54 - 141
Benzaldehyde	ND		51.1	34.8		ug/L		68	42 - 125
Benzo[a]anthracene	ND		51.1	42.3		ug/L		83	54 - 134
Benzo[a]pyrene	ND		51.1	40.5		ug/L		79	58 - 135
Benzo[b]fluoranthene	ND		51.1	42.4		ug/L		83	51 - 132
Benzo[g,h,i]perylene	ND		51.1	44.5		ug/L		87	50 - 138
Benzo[k]fluoranthene	ND		51.1	45.8		ug/L		90	58 - 140
Butylbenzylphthalate	ND		51.1	33.9		ug/L		66	34 - 135
Caprolactam	ND		51.1	9.03		ug/L		18	10 - 120
Carbazole	ND		51.1	48.1		ug/L		94	52 - 138
Chrysene	ND		51.1	42.8		ug/L		84	56 - 136
Di-n-butyl phthalate	ND		51.1	39.6		ug/L		77	49 - 143
Di-n-octyl phthalate	ND	F2	51.1	38.8		ug/L		76	44 - 147
Dibenz(a,h)anthracene	ND		51.1	43.6		ug/L		85	47 - 141
Dibenzofuran	ND		51.1	44.6		ug/L		87	50 - 128
Diethyl phthalate	ND		51.1	39.8		ug/L		78	45 - 130
Dimethyl phthalate	ND		51.1	30.2		ug/L		59	30 - 124
Fluoranthene	ND		51.1	44.6		ug/L		87	56 - 137
Fluorene	ND		51.1	43.7		ug/L		86	50 - 128

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-225004-2 MS
Matrix: Water
Analysis Batch: 653809

Client Sample ID: MW-3D
Prep Type: Total/NA
Prep Batch: 653575

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	ND		51.1	43.2		ug/L		84	47 - 135
Hexachlorobutadiene	ND		51.1	37.9		ug/L		74	31 - 120
Hexachlorocyclopentadiene	ND		51.1	34.1		ug/L		67	10 - 120
Hexachloroethane	ND		51.1	31.5		ug/L		62	35 - 120
Indeno[1,2,3-cd]pyrene	ND		51.1	43.2		ug/L		84	47 - 140
Isophorone	ND		51.1	39.1		ug/L		77	47 - 129
N-Nitrosodi-n-propylamine	ND		51.1	36.8		ug/L		72	41 - 123
N-Nitrosodiphenylamine	ND		43.4	38.3		ug/L		88	48 - 144
Naphthalene	ND		51.1	40.0		ug/L		78	49 - 121
Nitrobenzene	ND		51.1	39.6		ug/L		77	43 - 128
Pentachlorophenol	ND		102	54.7		ug/L		54	45 - 149
Phenanthrene	ND		51.1	41.5		ug/L		81	55 - 132
Phenol	ND		51.1	16.9		ug/L		33	18 - 120
Pyrene	ND		51.1	44.2		ug/L		87	58 - 131
Bis(2-chloroethoxy)methane	ND		51.1	46.2		ug/L		90	48 - 131
Bis(2-chloroethyl)ether	ND		51.1	38.6		ug/L		76	46 - 123
Bis(2-ethylhexyl) phthalate	ND		51.1	37.2		ug/L		73	46 - 143

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*39*		*13 - 134*
2-Fluorobiphenyl (Surr)	*68*		*45 - 120*
2-Fluorophenol (Surr)	*38*		*10 - 120*
Nitrobenzene-d5 (Surr)	*62*		*33 - 120*
p-Terphenyl-d14 (Surr)	*74*		*26 - 123*
Phenol-d5 (Surr)	*26*		*10 - 120*

Lab Sample ID: 410-225004-2 MSD
Matrix: Water
Analysis Batch: 653809

Client Sample ID: MW-3D
Prep Type: Total/NA
Prep Batch: 653575

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	ND		50.9	45.8		ug/L		90	51 - 126	16	30
bis(1-chloroispropyl)ether	ND	cn	50.9	60.4		ug/L		119	22 - 139	4	30
2,4,5-Trichlorophenol	ND		50.9	49.5		ug/L		97	55 - 133	21	30
2,4,6-Trichlorophenol	ND		50.9	44.9		ug/L		88	54 - 139	22	30
2,4-Dichlorophenol	ND		50.9	43.8		ug/L		86	51 - 135	12	30
2,4-Dimethylphenol	ND	F1	50.9	22.4	F1	ug/L		44	47 - 128	16	30
2,4-Dinitrophenol	ND		102	77.5		ug/L		76	14 - 161	14	30
2,4-Dinitrotoluene	ND		50.9	51.9		ug/L		102	54 - 143	18	30
2,6-Dinitrotoluene	ND		50.9	50.4		ug/L		99	53 - 139	17	30
2-Chloronaphthalene	ND		50.9	50.4		ug/L		99	48 - 124	19	30
2-Chlorophenol	ND		50.9	37.4		ug/L		73	45 - 122	15	30
2-Methylnaphthalene	ND		50.9	45.7		ug/L		90	49 - 124	17	30
2-Methylphenol	ND		50.9	31.3		ug/L		62	42 - 120	11	30
2-Nitroaniline	ND		50.9	49.2		ug/L		97	49 - 144	24	30
2-Nitrophenol	ND		50.9	42.0		ug/L		82	42 - 145	22	30
3,3'-Dichlorobenzidine	ND	cn	102	66.8		ug/L		66	26 - 120	13	30
3-Nitroaniline	ND		50.9	43.8		ug/L		86	39 - 130	29	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-225004-2 MSD
Matrix: Water
Analysis Batch: 653809

Client Sample ID: MW-3D
Prep Type: Total/NA
Prep Batch: 653575

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,6-Dinitro-2-methylphenol	ND		102	89.0		ug/L		87	33 - 172	17	30
4-Bromophenyl-phenylether	ND		50.9	54.2		ug/L		107	49 - 135	14	30
4-Chloro-3-methylphenol	ND		50.9	38.6		ug/L		76	49 - 130	27	30
4-Chloroaniline	ND	F2	50.9	32.8	F2	ug/L		64	28 - 120	31	30
4-Chlorophenyl-phenyl ether	ND		50.9	50.3		ug/L		99	49 - 125	16	30
4-Methylphenol (and/or 3-Methylphenol)	ND		50.9	26.2		ug/L		51	38 - 120	16	30
4-Nitroaniline	ND		50.9	45.2		ug/L		89	41 - 133	26	30
4-Nitrophenol	ND		102	48.6		ug/L		48	20 - 120	12	30
Acenaphthene	ND		50.9	47.2		ug/L		93	52 - 125	17	30
Acenaphthylene	ND		50.9	53.1		ug/L		104	51 - 131	15	30
Acetophenone	ND		50.9	45.3		ug/L		89	46 - 126	15	30
Anthracene	ND		50.9	49.0		ug/L		96	55 - 134	17	30
Atrazine	ND		50.9	46.8		ug/L		92	54 - 141	23	30
Benzaldehyde	ND		50.9	38.7		ug/L		76	42 - 125	11	30
Benzo[a]anthracene	ND		50.9	46.4		ug/L		91	54 - 134	9	30
Benzo[a]pyrene	ND		50.9	45.7		ug/L		90	58 - 135	12	30
Benzo[b]fluoranthene	ND		50.9	50.2		ug/L		99	51 - 132	17	30
Benzo[g,h,i]perylene	ND		50.9	46.1		ug/L		91	50 - 138	4	30
Benzo[k]fluoranthene	ND		50.9	53.5		ug/L		105	58 - 140	16	30
Butylbenzylphthalate	ND		50.9	39.6		ug/L		78	34 - 135	16	30
Caprolactam	ND		50.9	11.9		ug/L		23	10 - 120	27	30
Carbazole	ND		50.9	54.2		ug/L		107	52 - 138	12	30
Chrysene	ND		50.9	48.7		ug/L		96	56 - 136	13	30
Di-n-butyl phthalate	ND		50.9	48.2		ug/L		95	49 - 143	20	30
Di-n-octyl phthalate	ND	F2	50.9	53.0	F2	ug/L		104	44 - 147	31	30
Dibenz(a,h)anthracene	ND		50.9	47.2		ug/L		93	47 - 141	8	30
Dibenzofuran	ND		50.9	51.5		ug/L		101	50 - 128	14	30
Diethyl phthalate	ND		50.9	50.5		ug/L		99	45 - 130	24	30
Dimethyl phthalate	ND		50.9	37.8		ug/L		74	30 - 124	22	30
Fluoranthene	ND		50.9	51.5		ug/L		101	56 - 137	14	30
Fluorene	ND		50.9	51.1		ug/L		100	50 - 128	16	30
Hexachlorobenzene	ND		50.9	48.9		ug/L		96	47 - 135	12	30
Hexachlorobutadiene	ND		50.9	41.7		ug/L		82	31 - 120	10	30
Hexachlorocyclopentadiene	ND		50.9	40.3		ug/L		79	10 - 120	17	30
Hexachloroethane	ND		50.9	34.7		ug/L		68	35 - 120	10	30
Indeno[1,2,3-cd]pyrene	ND		50.9	45.8		ug/L		90	47 - 140	6	30
Isophorone	ND		50.9	44.9		ug/L		88	47 - 129	14	30
N-Nitrosodi-n-propylamine	ND		50.9	42.0		ug/L		82	41 - 123	13	30
N-Nitrosodiphenylamine	ND		43.3	43.9		ug/L		101	48 - 144	13	30
Naphthalene	ND		50.9	44.1		ug/L		87	49 - 121	10	30
Nitrobenzene	ND		50.9	42.3		ug/L		83	43 - 128	7	30
Pentachlorophenol	ND		102	59.6		ug/L		59	45 - 149	9	30
Phenanthrene	ND		50.9	49.7		ug/L		98	55 - 132	18	30
Phenol	ND		50.9	20.1		ug/L		40	18 - 120	18	30
Pyrene	ND		50.9	51.2		ug/L		101	58 - 131	15	30
Bis(2-chloroethoxy)methane	ND		50.9	52.5		ug/L		103	48 - 131	13	30
Bis(2-chloroethyl)ether	ND		50.9	45.5		ug/L		89	46 - 123	16	30
Bis(2-ethylhexyl) phthalate	ND		50.9	43.6		ug/L		86	46 - 143	16	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	50		13 - 134
2-Fluorobiphenyl (Surr)	77		45 - 120
2-Fluorophenol (Surr)	40		10 - 120
Nitrobenzene-d5 (Surr)	69		33 - 120
p-Terphenyl-d14 (Surr)	83		26 - 123
Phenol-d5 (Surr)	30		10 - 120

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 410-653819/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 654000 — **Prep Batch: 653819**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide (1C)	ND		0.020	0.010	ug/L		06/06/25 06:57	06/06/25 18:16	1
1,2-Dibromo-3-Chloropropane (1C)	ND		0.020	0.010	ug/L		06/06/25 06:57	06/06/25 18:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane (1C)	140	S1+	46 - 136	06/06/25 06:57	06/06/25 18:16	1
1,1,2,2-Tetrachloroethane (2C)	131		46 - 136	06/06/25 06:57	06/06/25 18:16	1

Lab Sample ID: LCS 410-653819/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 654000 — **Prep Batch: 653819**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide (1C)			0.129	0.147		ug/L		114	60 - 140		
1,2-Dibromo-3-Chloropropane (1C)			0.129	0.159		ug/L		123	60 - 140		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,1,2,2-Tetrachloroethane (1C)	118		46 - 136
1,1,2,2-Tetrachloroethane (2C)	110		46 - 136

Lab Sample ID: LCSD 410-653819/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 654000 — **Prep Batch: 653819**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide (1C)			0.129	0.154		ug/L		119	60 - 140	5	20
1,2-Dibromo-3-Chloropropane (1C)			0.129	0.159		ug/L		123	60 - 140	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,1,2,2-Tetrachloroethane (1C)	114		46 - 136
1,1,2,2-Tetrachloroethane (2C)	110		46 - 136

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: 410-225004-2 MS
Matrix: Water
Analysis Batch: 654000

Client Sample ID: MW-3D
Prep Type: Total/NA
Prep Batch: 653819

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide (1C)	ND	cn	0.122	0.137		ug/L		113	60 - 140
1,2-Dibromo-3-Chloropropane (1C)	ND	cn	0.122	0.147		ug/L		121	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,1,2,2-Tetrachloroethane (1C)	*113*		*46 - 136*
1,1,2,2-Tetrachloroethane (2C)	*112*		*46 - 136*

Lab Sample ID: 410-225004-2 MSD
Matrix: Water
Analysis Batch: 654000

Client Sample ID: MW-3D
Prep Type: Total/NA
Prep Batch: 653819

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide (1C)	ND	cn	0.122	0.138		ug/L		113	60 - 140	1	20
1,2-Dibromo-3-Chloropropane (1C)	ND	cn	0.122	0.147		ug/L		121	60 - 140	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,1,2,2-Tetrachloroethane (1C)	*109*		*46 - 136*
1,1,2,2-Tetrachloroethane (2C)	*108*		*46 - 136*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-654356/1-A
Matrix: Water
Analysis Batch: 657051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654356

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.1	0.70	ug/L		06/10/25 08:50	06/12/25 18:45	1
Barium	ND		2.1	0.77	ug/L		06/10/25 08:50	06/12/25 18:45	1
Cadmium	ND		0.52	0.16	ug/L		06/10/25 08:50	06/12/25 18:45	1
Chromium	ND		2.1	0.57	ug/L		06/10/25 08:50	06/12/25 18:45	1
Lead	ND		0.52	0.12	ug/L		06/10/25 08:50	06/12/25 18:45	1
Selenium	ND		1.0	0.29	ug/L		06/10/25 08:50	06/12/25 18:45	1
Silver	ND		0.52	0.10	ug/L		06/10/25 08:50	06/12/25 18:45	1

Lab Sample ID: LCS 410-654356/2-A
Matrix: Water
Analysis Batch: 657051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654356

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	475		ug/L		95	90 - 109
Barium	500	483		ug/L		97	90 - 113
Cadmium	50.0	47.7		ug/L		95	90 - 112
Chromium	500	473		ug/L		95	90 - 110
Lead	50.0	48.7		ug/L		97	90 - 110
Selenium	100	95.0		ug/L		95	90 - 110
Silver	50.0	47.8		ug/L		96	90 - 112

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-654487/1-A
Matrix: Water
Analysis Batch: 657013

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 654487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.68	ug/L		06/09/25 22:00	06/12/25 17:10	1
Barium	ND		2.0	0.75	ug/L		06/09/25 22:00	06/12/25 17:10	1
Cadmium	ND		0.50	0.15	ug/L		06/09/25 22:00	06/12/25 17:10	1
Chromium	0.627	J	2.0	0.55	ug/L		06/09/25 22:00	06/12/25 17:10	1
Lead	ND		0.50	0.12	ug/L		06/09/25 22:00	06/12/25 17:10	1
Selenium	ND		1.0	0.28	ug/L		06/09/25 22:00	06/12/25 17:10	1
Silver	ND		0.50	0.10	ug/L		06/09/25 22:00	06/12/25 17:10	1

Lab Sample ID: LCS 410-654487/2-A
Matrix: Water
Analysis Batch: 657013

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 654487

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	472		ug/L		94	90 - 109
Barium	500	472		ug/L		94	90 - 113
Cadmium	50.0	46.4		ug/L		93	90 - 112
Chromium	500	457		ug/L		91	90 - 110
Lead	50.0	48.0		ug/L		96	90 - 110
Selenium	100	95.1		ug/L		95	90 - 110
Silver	50.0	46.8		ug/L		94	90 - 112

Lab Sample ID: 410-225004-2 MS
Matrix: Water
Analysis Batch: 657013

Client Sample ID: MW-3D
Prep Type: Total Recoverable
Prep Batch: 654487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		500	462		ug/L		92	75 - 125
Barium	97		500	573		ug/L		95	75 - 125
Cadmium	ND		50.0	45.9		ug/L		92	75 - 125
Chromium	ND		500	456		ug/L		91	75 - 125
Lead	ND		50.0	48.1		ug/L		96	75 - 125
Selenium	ND		100	96.2		ug/L		96	75 - 125
Silver	ND		50.0	46.6		ug/L		93	75 - 125

Lab Sample ID: 410-225004-2 MSD
Matrix: Water
Analysis Batch: 657013

Client Sample ID: MW-3D
Prep Type: Total Recoverable
Prep Batch: 654487

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		500	478		ug/L		96	75 - 125	4	20
Barium	97		500	567		ug/L		94	75 - 125	1	20
Cadmium	ND		50.0	46.4		ug/L		93	75 - 125	1	20
Chromium	ND		500	454		ug/L		91	75 - 125	1	20
Lead	ND		50.0	47.8		ug/L		96	75 - 125	1	20
Selenium	ND		100	98.0		ug/L		98	75 - 125	2	20
Silver	ND		50.0	46.0		ug/L		92	75 - 125	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-225004-2 DU
Matrix: Water
Analysis Batch: 657013

Client Sample ID: MW-3D
Prep Type: Total Recoverable
Prep Batch: 654487

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic	ND			ND		ug/L				NC	20
Barium	97			100		ug/L				3	20
Cadmium	ND			ND		ug/L				NC	20
Chromium	ND			ND		ug/L				NC	20
Lead	ND			ND		ug/L				NC	20
Selenium	ND			ND		ug/L				NC	20
Silver	ND			ND		ug/L				NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-655364/1-A
Matrix: Water
Analysis Batch: 656383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		06/11/25 07:42	06/11/25 18:11	1

Lab Sample ID: LCS 410-655364/2-A
Matrix: Water
Analysis Batch: 656383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655364

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			1.00	1.05		ug/L		105	80 - 118		

Lab Sample ID: LCSD 410-655364/3-A
Matrix: Water
Analysis Batch: 656383

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 655364

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			1.00	1.03		ug/L		103	80 - 118	2	20

Lab Sample ID: 410-225004-2 MS
Matrix: Water
Analysis Batch: 656383

Client Sample ID: MW-3D
Prep Type: Total/NA
Prep Batch: 655364

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		1.00	1.05		ug/L		105	80 - 120		

Lab Sample ID: 410-225004-2 MSD
Matrix: Water
Analysis Batch: 656383

Client Sample ID: MW-3D
Prep Type: Total/NA
Prep Batch: 655364

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		1.00	1.07		ug/L		107	80 - 120	2	20

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 410-225004-2 DU
Matrix: Water
Analysis Batch: 656383

Client Sample ID: MW-3D
Prep Type: Total/NA
Prep Batch: 655364

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	ND			ND		ug/L				NC	20

Lab Sample ID: MB 410-658634/1-A
Matrix: Water
Analysis Batch: 659095

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		06/17/25 10:40	06/17/25 18:33	1

Lab Sample ID: LCS 410-658634/2-A
Matrix: Water
Analysis Batch: 659095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658634

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			1.00	1.15		ug/L		115	80 - 118		

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 410-654435/18
Matrix: Water
Analysis Batch: 654435

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	ND		0.020	0.010	mg/L			06/06/25 13:16	1

Lab Sample ID: MB 410-654435/52
Matrix: Water
Analysis Batch: 654435

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	ND		0.020	0.010	mg/L			06/06/25 15:09	1

Lab Sample ID: LCS 410-654435/16
Matrix: Water
Analysis Batch: 654435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenols, Total			0.250	0.262		mg/L		105	90 - 110		

Lab Sample ID: LCS 410-654435/50
Matrix: Water
Analysis Batch: 654435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenols, Total			0.250	0.263		mg/L		105	90 - 110		

Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: LCSD 410-654435/17
Matrix: Water
Analysis Batch: 654435

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenols, Total			0.250	0.263		mg/L		105	90 - 110	0	6

Lab Sample ID: LCSD 410-654435/51
Matrix: Water
Analysis Batch: 654435

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenols, Total			0.250	0.253		mg/L		101	90 - 110	4	6

Lab Sample ID: 410-225004-2 MS
Matrix: Water
Analysis Batch: 654435

Client Sample ID: MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenols, Total	ND	F2	0.200	0.197		mg/L		98	90 - 110

Lab Sample ID: 410-225004-2 MSD
Matrix: Water
Analysis Batch: 654435

Client Sample ID: MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenols, Total	ND	F2	0.200	0.219	F2	mg/L		109	90 - 110	11	6

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
cn	Refer to Case Narrative for further detail
J	Indicates an Estimated Value for TICs
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Analysis Batch: 655353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Total/NA	Water	8260D	
410-225004-2	MW-3D	Total/NA	Water	8260D	
410-225004-3	MW-6D	Total/NA	Water	8260D	
410-225004-4	MW-7D	Total/NA	Water	8260D	
410-225004-5	MW-8	Total/NA	Water	8260D	
410-225004-6	EB	Total/NA	Water	8260D	
MB 410-655353/8	Method Blank	Total/NA	Water	8260D	
LCS 410-655353/5	Lab Control Sample	Total/NA	Water	8260D	
410-225004-2 MS	MW-3D	Total/NA	Water	8260D	
410-225004-2 MSD	MW-3D	Total/NA	Water	8260D	

Analysis Batch: 656473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-7	Trip Blank	Total/NA	Water	8260D	
MB 410-656473/7	Method Blank	Total/NA	Water	8260D	
LCS 410-656473/5	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 653019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Total/NA	Water	3510C	
MB 410-653019/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-653019/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-653019/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 653230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-653019/1-A	Method Blank	Total/NA	Water	8270E	653019
LCS 410-653019/2-A	Lab Control Sample	Total/NA	Water	8270E	653019
LCSD 410-653019/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	653019

Prep Batch: 653575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-2	MW-3D	Total/NA	Water	3510C	
410-225004-3	MW-6D	Total/NA	Water	3510C	
410-225004-4	MW-7D	Total/NA	Water	3510C	
410-225004-5	MW-8	Total/NA	Water	3510C	
410-225004-6	EB	Total/NA	Water	3510C	
MB 410-653575/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-653575/2-A	Lab Control Sample	Total/NA	Water	3510C	
410-225004-2 MS	MW-3D	Total/NA	Water	3510C	
410-225004-2 MSD	MW-3D	Total/NA	Water	3510C	

Analysis Batch: 653692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Total/NA	Water	8270E	653019

Analysis Batch: 653809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-2	MW-3D	Total/NA	Water	8270E	653575

GC/MS Semi VOA (Continued)

Analysis Batch: 653809 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-3	MW-6D	Total/NA	Water	8270E	653575
410-225004-4	MW-7D	Total/NA	Water	8270E	653575
410-225004-5	MW-8	Total/NA	Water	8270E	653575
410-225004-6	EB	Total/NA	Water	8270E	653575
MB 410-653575/1-A	Method Blank	Total/NA	Water	8270E	653575
LCS 410-653575/2-A	Lab Control Sample	Total/NA	Water	8270E	653575
410-225004-2 MS	MW-3D	Total/NA	Water	8270E	653575
410-225004-2 MSD	MW-3D	Total/NA	Water	8270E	653575

Prep Batch: 655289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-3 - RE	MW-6D	Total/NA	Water	3510C	
410-225004-5 - RE	MW-8	Total/NA	Water	3510C	
MB 410-655289/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-655289/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 655733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-3 - RE	MW-6D	Total/NA	Water	8270E	655289
410-225004-5 - RE	MW-8	Total/NA	Water	8270E	655289
MB 410-655289/1-A	Method Blank	Total/NA	Water	8270E	655289
LCS 410-655289/2-A	Lab Control Sample	Total/NA	Water	8270E	655289

GC Semi VOA

Prep Batch: 653819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Total/NA	Water	8011	
410-225004-2	MW-3D	Total/NA	Water	8011	
410-225004-3	MW-6D	Total/NA	Water	8011	
410-225004-4	MW-7D	Total/NA	Water	8011	
410-225004-5	MW-8	Total/NA	Water	8011	
410-225004-6	EB	Total/NA	Water	8011	
410-225004-7	Trip Blank	Total/NA	Water	8011	
MB 410-653819/1-A	Method Blank	Total/NA	Water	8011	
LCS 410-653819/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 410-653819/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
410-225004-2 MS	MW-3D	Total/NA	Water	8011	
410-225004-2 MSD	MW-3D	Total/NA	Water	8011	

Analysis Batch: 654000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Total/NA	Water	8011	653819
410-225004-2	MW-3D	Total/NA	Water	8011	653819
410-225004-3	MW-6D	Total/NA	Water	8011	653819
410-225004-4	MW-7D	Total/NA	Water	8011	653819
410-225004-5	MW-8	Total/NA	Water	8011	653819
410-225004-6	EB	Total/NA	Water	8011	653819
410-225004-7	Trip Blank	Total/NA	Water	8011	653819
MB 410-653819/1-A	Method Blank	Total/NA	Water	8011	653819
LCS 410-653819/2-A	Lab Control Sample	Total/NA	Water	8011	653819

GC Semi VOA (Continued)

Analysis Batch: 654000 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 410-653819/3-A	Lab Control Sample Dup	Total/NA	Water	8011	653819
410-225004-2 MS	MW-3D	Total/NA	Water	8011	653819
410-225004-2 MSD	MW-3D	Total/NA	Water	8011	653819

Metals

Prep Batch: 654356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Dissolved	Water	Non-Digest Prep	
MB 410-654356/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-654356/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 654487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Total Recoverable	Water	3005A	
410-225004-2	MW-3D	Total Recoverable	Water	3005A	
410-225004-3	MW-6D	Total Recoverable	Water	3005A	
410-225004-4	MW-7D	Total Recoverable	Water	3005A	
410-225004-5	MW-8	Total Recoverable	Water	3005A	
410-225004-6	EB	Total Recoverable	Water	3005A	
MB 410-654487/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-654487/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
410-225004-2 MS	MW-3D	Total Recoverable	Water	3005A	
410-225004-2 MSD	MW-3D	Total Recoverable	Water	3005A	
410-225004-2 DU	MW-3D	Total Recoverable	Water	3005A	

Prep Batch: 655364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Total/NA	Water	7470A	
410-225004-2	MW-3D	Total/NA	Water	7470A	
410-225004-3	MW-6D	Total/NA	Water	7470A	
410-225004-4	MW-7D	Total/NA	Water	7470A	
410-225004-5	MW-8	Total/NA	Water	7470A	
410-225004-6	EB	Total/NA	Water	7470A	
MB 410-655364/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-655364/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 410-655364/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
410-225004-2 MS	MW-3D	Total/NA	Water	7470A	
410-225004-2 MSD	MW-3D	Total/NA	Water	7470A	
410-225004-2 DU	MW-3D	Total/NA	Water	7470A	

Analysis Batch: 656383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Total/NA	Water	7470A	655364
410-225004-2	MW-3D	Total/NA	Water	7470A	655364
410-225004-3	MW-6D	Total/NA	Water	7470A	655364
410-225004-4	MW-7D	Total/NA	Water	7470A	655364
410-225004-5	MW-8	Total/NA	Water	7470A	655364
410-225004-6	EB	Total/NA	Water	7470A	655364
MB 410-655364/1-A	Method Blank	Total/NA	Water	7470A	655364
LCS 410-655364/2-A	Lab Control Sample	Total/NA	Water	7470A	655364

Metals (Continued)

Analysis Batch: 656383 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 410-655364/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	655364
410-225004-2 MS	MW-3D	Total/NA	Water	7470A	655364
410-225004-2 MSD	MW-3D	Total/NA	Water	7470A	655364
410-225004-2 DU	MW-3D	Total/NA	Water	7470A	655364

Analysis Batch: 657013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Total Recoverable	Water	6020B	654487
410-225004-2	MW-3D	Total Recoverable	Water	6020B	654487
410-225004-3	MW-6D	Total Recoverable	Water	6020B	654487
410-225004-4	MW-7D	Total Recoverable	Water	6020B	654487
410-225004-5	MW-8	Total Recoverable	Water	6020B	654487
410-225004-6	EB	Total Recoverable	Water	6020B	654487
MB 410-654487/1-A	Method Blank	Total Recoverable	Water	6020B	654487
LCS 410-654487/2-A	Lab Control Sample	Total Recoverable	Water	6020B	654487
410-225004-2 MS	MW-3D	Total Recoverable	Water	6020B	654487
410-225004-2 MSD	MW-3D	Total Recoverable	Water	6020B	654487
410-225004-2 DU	MW-3D	Total Recoverable	Water	6020B	654487

Analysis Batch: 657051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Dissolved	Water	6020B	654356
MB 410-654356/1-A	Method Blank	Total/NA	Water	6020B	654356
LCS 410-654356/2-A	Lab Control Sample	Total/NA	Water	6020B	654356

Prep Batch: 658634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Dissolved	Water	7470A	
MB 410-658634/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-658634/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 659095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Dissolved	Water	7470A	658634
MB 410-658634/1-A	Method Blank	Total/NA	Water	7470A	658634
LCS 410-658634/2-A	Lab Control Sample	Total/NA	Water	7470A	658634

General Chemistry

Analysis Batch: 654435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-225004-1	MW-2D	Total/NA	Water	420.4	
410-225004-2	MW-3D	Total/NA	Water	420.4	
410-225004-3	MW-6D	Total/NA	Water	420.4	
410-225004-4	MW-7D	Total/NA	Water	420.4	
410-225004-5	MW-8	Total/NA	Water	420.4	
410-225004-6	EB	Total/NA	Water	420.4	
MB 410-654435/18	Method Blank	Total/NA	Water	420.4	
MB 410-654435/52	Method Blank	Total/NA	Water	420.4	
LCS 410-654435/16	Lab Control Sample	Total/NA	Water	420.4	
LCS 410-654435/50	Lab Control Sample	Total/NA	Water	420.4	

General Chemistry (Continued)

Analysis Batch: 654435 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 410-654435/17	Lab Control Sample Dup	Total/NA	Water	420.4	
LCSD 410-654435/51	Lab Control Sample Dup	Total/NA	Water	420.4	
410-225004-2 MS	MW-3D	Total/NA	Water	420.4	
410-225004-2 MSD	MW-3D	Total/NA	Water	420.4	

Client Sample ID: MW-2D

Lab Sample ID: 410-225004-1

Date Collected: 05/29/25 09:06

Matrix: Water

Date Received: 05/30/25 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	655353	DVW2	ELLE	06/10/25 16:17
Total/NA	Prep	3510C			653019	QJZ6	ELLE	06/04/25 16:15
Total/NA	Analysis	8270E		1	653692	W6ZA	ELLE	06/06/25 06:52
Total/NA	Prep	8011			653819	K2IL	ELLE	06/06/25 06:57
Total/NA	Analysis	8011		1	654000	URS0	ELLE	06/06/25 22:48
Dissolved	Prep	Non-Digest Prep			654356	UJL8	ELLE	06/10/25 08:50
Dissolved	Analysis	6020B		1	657051	I9IN	ELLE	06/12/25 20:46
Total Recoverable	Prep	3005A			654487	UAMX	ELLE	06/09/25 22:00
Total Recoverable	Analysis	6020B		1	657013	I9IN	ELLE	06/12/25 17:58
Dissolved	Prep	7470A			658634	X3ZX	ELLE	06/17/25 10:40
Dissolved	Analysis	7470A		1	659095	IJ3I	ELLE	06/17/25 18:44
Total/NA	Prep	7470A			655364	UJL8	ELLE	06/11/25 07:42
Total/NA	Analysis	7470A		1	656383	IJ3I	ELLE	06/11/25 18:30
Total/NA	Analysis	420.4		1	654435	UJE2	ELLE	06/06/25 15:57

Client Sample ID: MW-3D

Lab Sample ID: 410-225004-2

Date Collected: 05/29/25 11:05

Matrix: Water

Date Received: 05/30/25 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	655353	DVW2	ELLE	06/10/25 17:34
Total/NA	Prep	3510C			653575	QJZ6	ELLE	06/05/25 15:31
Total/NA	Analysis	8270E		1	653809	N5QU	ELLE	06/06/25 16:17
Total/NA	Prep	8011			653819	K2IL	ELLE	06/06/25 06:57
Total/NA	Analysis	8011		1	654000	URS0	ELLE	06/06/25 23:39
Total Recoverable	Prep	3005A			654487	UAMX	ELLE	06/09/25 22:00
Total Recoverable	Analysis	6020B		1	657013	I9IN	ELLE	06/12/25 17:33
Total/NA	Prep	7470A			655364	UJL8	ELLE	06/11/25 07:42
Total/NA	Analysis	7470A		1	656383	IJ3I	ELLE	06/11/25 18:17
Total/NA	Analysis	420.4		1	654435	UJE2	ELLE	06/06/25 13:19

Client Sample ID: MW-6D

Lab Sample ID: 410-225004-3

Date Collected: 05/29/25 12:23

Matrix: Water

Date Received: 05/30/25 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	655353	DVW2	ELLE	06/10/25 16:36
Total/NA	Prep	3510C	RE		655289	XU9L	ELLE	06/10/25 07:46
Total/NA	Analysis	8270E	RE	1	655733	N5QU	ELLE	06/10/25 23:32
Total/NA	Prep	3510C			653575	QJZ6	ELLE	06/05/25 15:31
Total/NA	Analysis	8270E		1	653809	N5QU	ELLE	06/06/25 17:21
Total/NA	Prep	8011			653819	K2IL	ELLE	06/06/25 06:57
Total/NA	Analysis	8011		1	654000	URS0	ELLE	06/06/25 23:56

Client Sample ID: MW-6D — Lab Sample ID: 410-225004-3

Date Collected: 05/29/25 12:23 **Matrix: Water**
Date Received: 05/30/25 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			654487	UAMX	ELLE	06/09/25 22:00
Total Recoverable	Analysis	6020B		1	657013	I9IN	ELLE	06/12/25 17:41
Total/NA	Prep	7470A			655364	UJL8	ELLE	06/11/25 07:42
Total/NA	Analysis	7470A		1	656383	IJ3I	ELLE	06/11/25 18:36
Total/NA	Analysis	420.4		1	654435	UJE2	ELLE	06/06/25 13:39

Client Sample ID: MW-7D — Lab Sample ID: 410-225004-4

Date Collected: 05/29/25 08:02 **Matrix: Water**
Date Received: 05/30/25 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	655353	DVW2	ELLE	06/10/25 16:55
Total/NA	Prep	3510C			653575	QJZ6	ELLE	06/05/25 15:31
Total/NA	Analysis	8270E		1	653809	N5QU	ELLE	06/06/25 17:43
Total/NA	Prep	8011			653819	K2IL	ELLE	06/06/25 06:57
Total/NA	Analysis	8011		1	654000	URS0	ELLE	06/07/25 00:13
Total Recoverable	Prep	3005A			654487	UAMX	ELLE	06/09/25 22:00
Total Recoverable	Analysis	6020B		1	657013	I9IN	ELLE	06/12/25 17:44
Total/NA	Prep	7470A			655364	UJL8	ELLE	06/11/25 07:42
Total/NA	Analysis	7470A		1	656383	IJ3I	ELLE	06/11/25 18:34
Total/NA	Analysis	420.4		1	654435	UJE2	ELLE	06/06/25 13:33

Client Sample ID: MW-8 — Lab Sample ID: 410-225004-5

Date Collected: 05/29/25 12:25 **Matrix: Water**
Date Received: 05/30/25 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	655353	DVW2	ELLE	06/10/25 17:15
Total/NA	Prep	3510C	RE		655289	XU9L	ELLE	06/10/25 07:46
Total/NA	Analysis	8270E	RE	1	655733	N5QU	ELLE	06/10/25 23:53
Total/NA	Prep	3510C			653575	QJZ6	ELLE	06/05/25 15:31
Total/NA	Analysis	8270E		1	653809	N5QU	ELLE	06/06/25 18:04
Total/NA	Prep	8011			653819	K2IL	ELLE	06/06/25 06:57
Total/NA	Analysis	8011		1	654000	URS0	ELLE	06/07/25 00:30
Total Recoverable	Prep	3005A			654487	UAMX	ELLE	06/09/25 22:00
Total Recoverable	Analysis	6020B		1	657013	I9IN	ELLE	06/12/25 17:48
Total/NA	Prep	7470A			655364	UJL8	ELLE	06/11/25 07:42
Total/NA	Analysis	7470A		1	656383	IJ3I	ELLE	06/11/25 18:32
Total/NA	Analysis	420.4		1	654435	UJE2	ELLE	06/06/25 13:36

Lab Chronicle

Client: ARM Group, Inc.
Project/Site: Binghamton Plaza

Job ID: 410-225004-1

Client Sample ID: EB

Lab Sample ID: 410-225004-6

Date Collected: 05/29/25 09:35

Matrix: Water

Date Received: 05/30/25 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	655353	DVW2	ELLE	06/10/25 15:38
Total/NA	Prep	3510C			653575	QJZ6	ELLE	06/05/25 15:31
Total/NA	Analysis	8270E		1	653809	N5QU	ELLE	06/06/25 18:25
Total/NA	Prep	8011			653819	K2IL	ELLE	06/06/25 06:57
Total/NA	Analysis	8011		1	654000	URS0	ELLE	06/07/25 00:47
Total Recoverable	Prep	3005A			654487	UAMX	ELLE	06/09/25 22:00
Total Recoverable	Analysis	6020B		1	657013	I9IN	ELLE	06/12/25 17:46
Total/NA	Prep	7470A			655364	UJL8	ELLE	06/11/25 07:42
Total/NA	Analysis	7470A		1	656383	IJ3I	ELLE	06/11/25 18:24
Total/NA	Analysis	420.4		1	654435	UJE2	ELLE	06/06/25 13:29

Client Sample ID: Trip Blank

Lab Sample ID: 410-225004-7

Date Collected: 05/30/25 08:00

Matrix: Water

Date Received: 05/30/25 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	656473	TQ4J	ELLE	06/12/25 12:00
Total/NA	Prep	8011			653819	K2IL	ELLE	06/06/25 06:57
Total/NA	Analysis	8011		1	654000	URS0	ELLE	06/07/25 01:04

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: ARM Group, Inc.
Job ID: 410-225004-1
Project/Site: Binghamton Plaza

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-26

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
GCS_EDB1_00029	06/27/25	05/28/25	Hexane, Lot 65010	2 mL	GCS_EDBMS_00077	0.014 mL	1,1,2,2-Tetrachloroethane	0.17255 ppb
							1,2-Dibromo-3-Chloropropane	0.35 ppb
							Ethylene Dibromide	0.35175 ppb
.GCS_EDBMS_00077	06/27/25	05/28/25	ACETONE, Lot 65010	100 mL	GCS_EDBMS_IN_00076	1 mL	1,1,2,2-Tetrachloroethane	24.65 ppb
							1,2-Dibromo-3-Chloropropane	50 ppb
							Ethylene Dibromide	50.25 ppb
..GCS_EDBMS_IN_00076	06/27/25	05/28/25	ACETONE, Lot 65010	10 mL	GCS_EDB_SURR_00006	0.125 mL	1,1,2,2-Tetrachloroethane	2465 ppb
					GCS_EDBcrv_00004	0.25 mL	1,2-Dibromo-3-Chloropropane	5000 ppb
							Ethylene Dibromide	5025 ppb
...GCS_EDB_SURR_00006	05/23/29		Accustandard, Lot 219051693		(Purchased Reagent)		1,1,2,2-Tetrachloroethane	197.2 ug/mL
...GCS_EDBcrv_00004	08/21/29		AccuStandard, Lot 224081109		(Purchased Reagent)		1,2-Dibromo-3-Chloropropane	200 ug/mL
							Ethylene Dibromide	201 ug/mL
GCS_EDB2_00029	06/27/25	05/28/25	Hexane, Lot 65010	2 mL	GCS_EDBMS_00077	0.025 mL	1,1,2,2-Tetrachloroethane	0.308125 ppb
							1,2-Dibromo-3-Chloropropane	0.625 ppb
							Ethylene Dibromide	0.628125 ppb
.GCS_EDBMS_00077	06/27/25	05/28/25	ACETONE, Lot 65010	100 mL	GCS_EDBMS_IN_00076	1 mL	1,1,2,2-Tetrachloroethane	24.65 ppb
							1,2-Dibromo-3-Chloropropane	50 ppb
							Ethylene Dibromide	50.25 ppb
..GCS_EDBMS_IN_00076	06/27/25	05/28/25	ACETONE, Lot 65010	10 mL	GCS_EDB_SURR_00006	0.125 mL	1,1,2,2-Tetrachloroethane	2465 ppb
					GCS_EDBcrv_00004	0.25 mL	1,2-Dibromo-3-Chloropropane	5000 ppb
							Ethylene Dibromide	5025 ppb
...GCS_EDB_SURR_00006	05/23/29		Accustandard, Lot 219051693		(Purchased Reagent)		1,1,2,2-Tetrachloroethane	197.2 ug/mL
...GCS_EDBcrv_00004	08/21/29		AccuStandard, Lot 224081109		(Purchased Reagent)		1,2-Dibromo-3-Chloropropane	200 ug/mL
							Ethylene Dibromide	201 ug/mL
GCS_EDB3_00033	06/27/25	05/28/25	Hexane, Lot 65010	2 mL	GCS_EDBMS_00077	0.05 mL	1,1,2,2-Tetrachloroethane	0.61625 ppb
							1,2-Dibromo-3-Chloropropane	1.25 ppb
							Ethylene Dibromide	1.25625 ppb
.GCS_EDBMS_00077	06/27/25	05/28/25	ACETONE, Lot 65010	100 mL	GCS_EDBMS_IN_00076	1 mL	1,1,2,2-Tetrachloroethane	24.65 ppb
							1,2-Dibromo-3-Chloropropane	50 ppb
							Ethylene Dibromide	50.25 ppb
..GCS_EDBMS_IN_00076	06/27/25	05/28/25	ACETONE, Lot 65010	10 mL	GCS_EDB_SURR_00006	0.125 mL	1,1,2,2-Tetrachloroethane	2465 ppb
					GCS_EDBcrv_00004	0.25 mL	1,2-Dibromo-3-Chloropropane	5000 ppb
							Ethylene Dibromide	5025 ppb
...GCS_EDB_SURR_00006	05/23/29		Accustandard, Lot 219051693		(Purchased Reagent)		1,1,2,2-Tetrachloroethane	197.2 ug/mL
...GCS_EDBcrv_00004	08/21/29		AccuStandard, Lot 224081109		(Purchased Reagent)		1,2-Dibromo-3-Chloropropane	200 ug/mL
							Ethylene Dibromide	201 ug/mL
GCS_EDB4_00055	06/27/25	05/28/25	Hexane, Lot 65010	2 mL	GCS_EDBMS_00077	0.1 mL	1,1,2,2-Tetrachloroethane	1.2325 ppb
							1,2-Dibromo-3-Chloropropane	2.5 ppb
							Ethylene Dibromide	2.5125 ppb
.GCS_EDBMS_00077	06/27/25	05/28/25	ACETONE, Lot 65010	100 mL	GCS_EDBMS_IN_00076	1 mL	1,1,2,2-Tetrachloroethane	24.65 ppb
							1,2-Dibromo-3-Chloropropane	50 ppb
							Ethylene Dibromide	50.25 ppb
..GCS_EDBMS_IN_00076	06/27/25	05/28/25	ACETONE, Lot 65010	10 mL	GCS_EDB_SURR_00006	0.125 mL	1,1,2,2-Tetrachloroethane	2465 ppb
					GCS_EDBcrv_00004	0.25 mL	1,2-Dibromo-3-Chloropropane	5000 ppb
							Ethylene Dibromide	5025 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...GCS_EDB_SURR_00006	05/23/29		Accustandard, Lot 219051693		(Purchased Reagent)		1,1,2,2-Tetrachloroethane	197.2 ug/mL
...GCS_EDBcrv_00004	08/21/29		AccuStandard, Lot 224081109		(Purchased Reagent)		1,2-Dibromo-3-Chloropropane	200 ug/mL
							Ethylene Dibromide	201 ug/mL
GCS_EDB5_00032	06/27/25	05/28/25	Hexane, Lot 65010	2 mL	GCS_EDBMS_00077	0.175 mL	1,1,2,2-Tetrachloroethane	2.15687 ppb
							1,2-Dibromo-3-Chloropropane	4.375 ppb
							Ethylene Dibromide	4.39687 ppb
.GCS_EDBMS_00077	06/27/25	05/28/25	ACETONE, Lot 65010	100 mL	GCS_EDBMS_IN_00076	1 mL	1,1,2,2-Tetrachloroethane	24.65 ppb
							1,2-Dibromo-3-Chloropropane	50 ppb
							Ethylene Dibromide	50.25 ppb
..GCS_EDBMS_IN_00076	06/27/25	05/28/25	ACETONE, Lot 65010	10 mL	GCS_EDB_SURR_00006	0.125 mL	1,1,2,2-Tetrachloroethane	2465 ppb
					GCS_EDBcrv_00004	0.25 mL	1,2-Dibromo-3-Chloropropane	5000 ppb
							Ethylene Dibromide	5025 ppb
...GCS_EDB_SURR_00006	05/23/29		Accustandard, Lot 219051693		(Purchased Reagent)		1,1,2,2-Tetrachloroethane	197.2 ug/mL
...GCS_EDBcrv_00004	08/21/29		AccuStandard, Lot 224081109		(Purchased Reagent)		1,2-Dibromo-3-Chloropropane	200 ug/mL
							Ethylene Dibromide	201 ug/mL
GCS_EDB6_00029	06/27/25	05/28/25	Hexane, Lot 65010	2 mL	GCS_EDBMS_00077	0.25 mL	1,1,2,2-Tetrachloroethane	3.08125 ppb
							1,2-Dibromo-3-Chloropropane	6.25 ppb
							Ethylene Dibromide	6.28125 ppb
.GCS_EDBMS_00077	06/27/25	05/28/25	ACETONE, Lot 65010	100 mL	GCS_EDBMS_IN_00076	1 mL	1,1,2,2-Tetrachloroethane	24.65 ppb
							1,2-Dibromo-3-Chloropropane	50 ppb
							Ethylene Dibromide	50.25 ppb
..GCS_EDBMS_IN_00076	06/27/25	05/28/25	ACETONE, Lot 65010	10 mL	GCS_EDB_SURR_00006	0.125 mL	1,1,2,2-Tetrachloroethane	2465 ppb
					GCS_EDBcrv_00004	0.25 mL	1,2-Dibromo-3-Chloropropane	5000 ppb
							Ethylene Dibromide	5025 ppb
...GCS_EDB_SURR_00006	05/23/29		Accustandard, Lot 219051693		(Purchased Reagent)		1,1,2,2-Tetrachloroethane	197.2 ug/mL
...GCS_EDBcrv_00004	08/21/29		AccuStandard, Lot 224081109		(Purchased Reagent)		1,2-Dibromo-3-Chloropropane	200 ug/mL
							Ethylene Dibromide	201 ug/mL
GCS_EDBICV_00060	06/27/25	05/28/25	Hexane, Lot 65010	2 mL	GCS_EDBICVspi_00049	0.05 mL	1,1,2,2-Tetrachloroethane	0.61625 ppb
.GCS_EDBICVspi_00049	06/27/25	05/28/25	ACETONE, Lot 65010	100 mL	GCS_EDBICVIN_00073	1 mL	1,1,2,2-Tetrachloroethane	24.65 ppb
..GCS_EDBICVIN_00073	06/27/25	05/28/25	ACETONE, Lot 65010	10 mL	GCS_EDB_SURR_00006	0.125 mL	1,1,2,2-Tetrachloroethane	2465 ppb
...GCS_EDB_SURR_00006	05/23/29		Accustandard, Lot 219051693		(Purchased Reagent)		1,1,2,2-Tetrachloroethane	197.2 ug/mL
GCS_EDBICV_00060	06/27/25	05/28/25	Hexane, Lot 65010	2 mL	GCS_EDBICVspi_00049	0.05 mL	1,2-Dibromo-3-Chloropropane	1.25563 ppb
							Ethylene Dibromide	1.25812 ppb
.GCS_EDBICVspi_00049	06/27/25	05/28/25	ACETONE, Lot 65010	100 mL	GCS_EDBICVIN_00073	1 mL	1,2-Dibromo-3-Chloropropane	50.225 ppb
							Ethylene Dibromide	50.325 ppb
..GCS_EDBICVIN_00073	06/27/25	05/28/25	ACETONE, Lot 65010	10 mL	GCS_EDBICVstk_00009	0.25 mL	1,2-Dibromo-3-Chloropropane	5022.5 ppb
							Ethylene Dibromide	5032.5 ppb
...GCS_EDBICVstk_00009	01/31/30		Restek, Lot A0221564		(Purchased Reagent)		1,2-Dibromo-3-Chloropropane	200.9 ug/mL
							Ethylene Dibromide	201.3 ug/mL
GCS_EIBK_00014	07/17/25	01/17/25	Hexane, Lot 64320	200 mL	GCS_EIBK_IN_00011	0.12 mL	1,1,2,2-Tetrachloroethane	1.1832 ppb
.GCS_EIBK_IN_00011	07/17/25	01/17/25	Hexane, Lot 64320	10 mL	GCS_EDB_SURR_00005	0.1 mL	1,1,2,2-Tetrachloroethane	1972 ppb
..GCS_EDB_SURR_00005	05/23/29		Accustandard, Lot 219051693		(Purchased Reagent)		1,1,2,2-Tetrachloroethane	197.2 ug/mL
Hg_0.1Control_00272	06/16/25	06/09/25	2% HCl, Lot 7789455	10 mL	Hg_1Control_00258	1 mL	Mercury	0.1 ug/mL
.Hg_1Control_00258	06/16/25	06/09/25	2% HCl, Lot 7789455	10 mL	MT_S_10Hg_CPI_00003	1 mL	Mercury	1 ug/mL
..MT_S_10Hg_CPI_00003	02/10/26		CPI International, Lot 1452342		(Purchased Reagent)		Mercury	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Hg_0.1Control_00273	06/24/25	06/17/25	0.15% HNO3, Lot 7532106	10 mL	Hg_1Control_00259	1 mL	Mercury	0.1 ug/mL
.Hg_1Control_00259	06/24/25	06/17/25	0.15% HNO3, Lot 7532106	10 mL	MT_S_10Hg_CPI_00003	1 mL	Mercury	1 ug/mL
..MT_S_10Hg_CPI_00003	02/10/26	CPI International, Lot 1452342			(Purchased Reagent)		Mercury	10 ug/mL
Hg_1Cal_00256	06/16/25	06/09/25	2% HCl, Lot 7789455	10 mL	MT_S_10Hg_CPI_00002	1 mL	Mercury	1 ug/mL
.MT_S_10Hg_CPI_00002	02/10/26	CPI International, Lot 1452342			(Purchased Reagent)		Mercury	10 ug/mL
Hg_1Cal_00257	06/24/25	06/17/25	0.15% HNO3, Lot 7532106	10 mL	MT_S_10Hg_CPI_00002	1 mL	Mercury	1 ug/mL
.MT_S_10Hg_CPI_00002	02/10/26	CPI International, Lot 1452342			(Purchased Reagent)		Mercury	10 ug/mL
Hg_1Control_00258	06/16/25	06/09/25	2% HCl, Lot 7789455	10 mL	MT_S_10Hg_CPI_00003	1 mL	Mercury	1 ug/mL
.MT_S_10Hg_CPI_00003	02/10/26	CPI International, Lot 1452342			(Purchased Reagent)		Mercury	10 ug/mL
Hg_1Control_00259	06/24/25	06/17/25	0.15% HNO3, Lot 7532106	10 mL	MT_S_10Hg_CPI_00003	1 mL	Mercury	1 ug/mL
.MT_S_10Hg_CPI_00003	02/10/26	CPI International, Lot 1452342			(Purchased Reagent)		Mercury	10 ug/mL
Hg_5%KMnO4_00527	12/03/25	06/03/25	DI Water, Lot DI06032025	2000 mL	MT_KMnO4_LC_00001	100.118 g	Potassium Permanganate	4.97586 %
.MT_KMnO4_LC_00001	06/02/26	Lab Chem, Lot 44100120			(Purchased Reagent)		Potassium Permanganate	99.4 %
Hg_5%KMnO4_00531	12/09/25	06/09/25	DI Water, Lot DI06092025	2000 mL	MT_KMnO4_LC_00001	100.004 g	Potassium Permanganate	4.9702 %
.MT_KMnO4_LC_00001	06/02/26	Lab Chem, Lot 44100120			(Purchased Reagent)		Potassium Permanganate	99.4 %
Hg_5%KMnO4_00534	12/10/25	06/10/25	DI Water, Lot DI06102025	2000 mL	MT_KMnO4_LC_00001	100.468 g	Potassium Permanganate	4.99326 %
.MT_KMnO4_LC_00001	06/02/26	Lab Chem, Lot 44100120			(Purchased Reagent)		Potassium Permanganate	99.4 %
Hg_5%KMnO4_00536	12/11/25	06/11/25	DI Water, Lot DI06112025	2000 mL	MT_KMnO4_LC_00002	100.345 g	Potassium Permanganate	4.98715 %
.MT_KMnO4_LC_00002	06/17/26	Lab Chem, Lot 44100407			(Purchased Reagent)		Potassium Permanganate	99.4 %
MP_1:1HCl_00048	10/28/25	04/29/25	DI Water, Lot DI04282025	20000 mL	MT_HCl_JT_00019	10000 mL	Hydrogen Chloride	188000 ug/mL
.MT_HCl_JT_00019	02/28/30	J.T.Baker, Lot 25C2662003			(Purchased Reagent)		Hydrogen Chloride	37.6 %
MP_1:1HCl_00051	11/27/25	05/27/25	DI Water, Lot DI05272025	20000 mL	MT_HCl_JT_00019	10000 mL	Hydrogen Chloride	188000 ug/mL
.MT_HCl_JT_00019	02/28/30	J.T.Baker, Lot 25C2662003			(Purchased Reagent)		Hydrogen Chloride	37.6 %
MP_1:1HNO3_00082	11/15/25	05/15/25	DI Water, Lot DI05152025	20000 mL	MT_HNO3_FI_00018	10000 mL	Nitric acid	348500 ug/mL
.MT_HNO3_FI_00018	02/17/30	ThermoFisher Scientific, Lot 245385			(Purchased Reagent)		Nitric acid	69.7 %
MP_40Hg_IV_00255	06/15/25	06/08/25	DI Water, Lot DI06082025	200 mL	MT_HNO3_FI_00018	0.3 mL	Nitric acid	1045.5 ug/mL
					MT_S_10Hg_CPI_00002	0.8 mL	Mercury	0.04 ug/mL
.MT_HNO3_FI_00018	02/17/30	ThermoFisher Scientific, Lot 245385			(Purchased Reagent)		Nitric acid	69.7 %
.MT_S_10Hg_CPI_00002	02/10/26	CPI International, Lot 1452342			(Purchased Reagent)		Mercury	10 ug/mL
MP_40Hg_IV_00256	06/22/25	06/15/25	DI Water, Lot DI06152025	200 mL	MT_HNO3_FI_00018	0.3 mL	Nitric acid	1045.5 ug/mL
					MT_S_10Hg_CPI_00002	0.8 mL	Mercury	0.04 ug/mL
.MT_HNO3_FI_00018	02/17/30	ThermoFisher Scientific, Lot 245385			(Purchased Reagent)		Nitric acid	69.7 %
.MT_S_10Hg_CPI_00002	02/10/26	CPI International, Lot 1452342			(Purchased Reagent)		Mercury	10 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MP_5K2S2O8_00146	11/26/25	05/26/25	DI Water, Lot DI05262025	2000 mL	MT_K2S2O8_JT_00052	100.015 g	Potassium persulfate	4.97575 %
.MT_K2S2O8_JT_00052	05/14/26		J.T.Baker, Lot 22D2261044		(Purchased Reagent)		Potassium persulfate	99.5 %
MP_5K2S2O8_00147	12/10/25	06/10/25	DI Water, Lot DI06102025	2000 mL	MT_K2S2O8_JT_00053	100.249 g	Potassium persulfate	4.98739 %
.MT_K2S2O8_JT_00053	07/26/28		J.T.Baker, Lot 22D2261044		(Purchased Reagent)		Potassium persulfate	99.5 %
MP_5K2S2O8_00148	12/16/25	06/16/25	DI Water, Lot DI06162025	2000 mL	MT_K2S2O8_JT_00053	100.066 g	Potassium persulfate	4.97828 %
.MT_K2S2O8_JT_00053	07/26/28		J.T.Baker, Lot 22D2261044		(Purchased Reagent)		Potassium persulfate	99.5 %
MP_NaClHNO_00359	12/03/25	06/03/25	DI Water, Lot DI06032025	2000 mL	MT_H3NO_Fishe_00060	240.434 g	Hydroxylamine hydrochloride	11.9856 %
					MT_NaCl_Fis_00001	240.109 g	Sodium Chloride	12.0055 %
.MT_H3NO_Fishe_00060	06/16/26		Fisher, Lot 235064		(Purchased Reagent)		Hydroxylamine hydrochloride	99.7 %
.MT_NaCl_Fis_00001	05/14/26		Fisher, Lot 243064		(Purchased Reagent)		Sodium Chloride	100 %
MP_NaClHNO_00360	12/09/25	06/09/25	DI Water, Lot D06092025	2000 mL	MT_H3NO_Fishe_00060	240.381 g	Hydroxylamine hydrochloride	11.983 %
					MT_NaCl_Fis_00001	240.346 g	Sodium Chloride	12.0173 %
.MT_H3NO_Fishe_00060	06/16/26		Fisher, Lot 235064		(Purchased Reagent)		Hydroxylamine hydrochloride	99.7 %
.MT_NaCl_Fis_00001	05/14/26		Fisher, Lot 243064		(Purchased Reagent)		Sodium Chloride	100 %
MP_NaClHNO_00362	12/12/25	06/12/25	DI Water, Lot DI06122025	2000 mL	MT_H3NO_Fishe_00061	240.121 g	Hydroxylamine hydrochloride	11.97 %
					MT_NaCl_Fis_00001	240.155 g	Sodium Chloride	12.0078 %
.MT_H3NO_Fishe_00061	05/27/26		Fisher, Lot 243373		(Purchased Reagent)		Hydroxylamine hydrochloride	99.7 %
.MT_NaCl_Fis_00001	05/14/26		Fisher, Lot 243064		(Purchased Reagent)		Sodium Chloride	100 %
MSS_RV8270_1_00042	06/23/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_RV8270_2_00043	1000 uL	Benzidine	0.375 ppm
							1,3,5-Trinitrobenzene	0.125 ppm
							1,4-Dinitrobenzene	0.125 ppm
							1-Naphthylamine	0.125 ppm
							2-Acetylaminofluorene	0.125 ppm
							2-Naphthylamine	0.125 ppm
							2-Picoline	0.125 ppm
							2-Toluidine	0.125 ppm
							3,3'-Dimethylbenzidine	0.125 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.125 ppm
							4-Aminobiphenyl	0.125 ppm
							4-Nitroquinoline-1-oxide	0.125 ppm
							Dibenz[a,h]acridine	0.125 ppm
							N-Nitro-o-toluidine	0.125 ppm
							N-Nitrosodi-n-butylamine	0.125 ppm
							N-Nitrosodiethylamine	0.125 ppm
							N-Nitrosomethylethylamine	0.125 ppm
							N-Nitrosomorpholine	0.125 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopiperidine	0.125 ppm
							N-Nitrosopyrrolidine	0.125 ppm
							p-Dimethylamino azobenzene	0.125 ppm
							p-Phenylene diamine	0.125 ppm
							Pentachloronitrobenzene	0.125 ppm
							Phenacetin	0.125 ppm
							Pronamide	0.125 ppm
							Quinoline	0.125 ppm
							1,4-Naphthoquinone	0.125 ppm
							1-Chloronaphthalene	0.125 ppm
							7,12-Dimethylbenz(a)anthracene	0.125 ppm
							Chlorobenzilate	0.125 ppm
							Dinoseb	0.125 ppm
							Ethyl methanesulfonate	0.125 ppm
							Hexachloropropene	0.125 ppm
							Isodrin	0.125 ppm
							Isosafrole Peak 1	0.02 ppm
							Isosafrole Peak 2	0.105 ppm
							Methyl methanesulfonate	0.125 ppm
							Pentachlorobenzene	0.125 ppm
							3-Methylcholanthrene	0.125 ppm
							6-Methylchrysene	0.125 ppm
							cis-Diallate	0.0925 ppm
							Dimethoate	0.125 ppm
							Disulfoton	0.125 ppm
							Ethyl Parathion	0.125 ppm
							Famphur	0.125 ppm
							Methyl parathion	0.125 ppm
							o,o',o''-Triethylphosphorothioate	0.125 ppm
							Phorate	0.125 ppm
							Safrole, Total	0.125 ppm
							Sulfotepp	0.125 ppm
							Thionazin	0.125 ppm
							trans-Diallate	0.0325 ppm
							2,4,6-Tribromophenol (Surr)	0.25 ppm
							2-Fluorobiphenyl (Surr)	0.25 ppm
							2-Fluorophenol (Surr)	0.25 ppm
							Nitrobenzene-d5 (Surr)	0.25 ppm
							p-Terphenyl-d14 (Surr)	0.25 ppm
							Phenol-d5 (Surr)	0.25 ppm
							Alpha-Terpineol	0.125 ppm
							Dimethylformamide	0.125 ppm
							Octachlorostyrene	0.125 ppm
							Phenyl ether	0.125 ppm
							Dibenz[a,j]acridine	0.125 ppm
							1,1'-Biphenyl	0.125 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	0.125 ppm
							1,2,4-Trichlorobenzene	0.125 ppm
							1,2-Dichlorobenzene	0.125 ppm
							1,2-Diphenylhydrazine	0.125 ppm
							1,3-Dichlorobenzene	0.125 ppm
							1,3-Dinitrobenzene	0.125 ppm
							1,4-Dichlorobenzene	0.125 ppm
							1,4-Dioxane	0.125 ppm
							1-Methylnaphthalene	0.125 ppm
							2,3,4,6-Tetrachlorophenol	0.125 ppm
							2,4,5-Trichlorophenol	0.125 ppm
							2,4,6-Trichlorophenol	0.125 ppm
							2,4-Dichlorophenol	0.125 ppm
							2,4-Dimethylphenol	0.125 ppm
							2,4-Dinitrophenol	1.25 ppm
							2,4-Dinitrotoluene	0.125 ppm
							2,6-Dichlorophenol	0.125 ppm
							2,6-Dinitrotoluene	0.125 ppm
							2-Chloronaphthalene	0.125 ppm
							2-Chlorophenol	0.125 ppm
							2-Methylnaphthalene	0.125 ppm
							2-Methylphenol	0.125 ppm
							2-Nitroaniline	0.125 ppm
							2-Nitrophenol	0.125 ppm
							3-Nitroaniline	0.125 ppm
							4,6-Dinitro-2-methylphenol	0.75 ppm
							4-Bromophenyl-phenylether	0.125 ppm
							4-Chloro-3-methylphenol	0.125 ppm
							4-Chloroaniline	0.125 ppm
							4-Chlorophenyl-phenyl ether	0.125 ppm
							4-Methylphenol (and/or 3-Methylphenol)	0.125 ppm
							4-Nitroaniline	0.125 ppm
							4-Nitrophenol	0.75 ppm
							Acenaphthene	0.125 ppm
							Acenaphthylene	0.125 ppm
							Acetophenone	0.125 ppm
							Aniline	0.125 ppm
							Anthracene	0.125 ppm
							Benzo[a]anthracene	0.125 ppm
							Benzo[a]pyrene	0.125 ppm
							Benzo[b]fluoranthene	0.125 ppm
							Benzo[g,h,i]perylene	0.125 ppm
							Benzo[k]fluoranthene	0.125 ppm
							Benzyl alcohol	0.125 ppm
							bis(1-chloroispropyl)ether	0.125 ppm
							Bis(2-chloroethoxy)methane	0.125 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	0.125 ppm
							Bis(2-ethylhexyl) phthalate	0.125 ppm
							Butylbenzylphthalate	0.125 ppm
							Carbazole	0.125 ppm
							Chrysene	0.125 ppm
							Di-n-butyl phthalate	0.125 ppm
							Di-n-octyl phthalate	0.125 ppm
							Dibenz(a,h)anthracene	0.125 ppm
							Dibenzofuran	0.125 ppm
							Diethyl phthalate	0.125 ppm
							Dimethyl phthalate	0.125 ppm
							Fluoranthene	0.125 ppm
							Fluorene	0.125 ppm
							Hexachlorobenzene	0.125 ppm
							Hexachlorobutadiene	0.125 ppm
							Hexachlorocyclopentadiene	0.125 ppm
							Hexachloroethane	0.125 ppm
							Indeno[1,2,3-cd]pyrene	0.125 ppm
							Isophorone	0.125 ppm
							N-Nitrosodi-n-propylamine	0.125 ppm
							N-Nitrosodimethylamine	0.125 ppm
							N-Nitrosodiphenylamine	0.10625 ppm
							Naphthalene	0.125 ppm
							Nitrobenzene	0.125 ppm
							Pentachlorophenol	0.625 ppm
							Phenanthrene	0.125 ppm
							Phenol	0.125 ppm
							Pyrene	0.125 ppm
							Pyridine	0.25 ppm
							3,3'-Dichlorobenzidine	0.125 ppm
							Atrazine	0.125 ppm
							Benzaldehyde	0.125 ppm
							Caprolactam	0.125 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
					MSS_RV8270_IS_00103	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_RV8270_2_00043	06/23/25	02/27/25	MeCl2, Lot 64313	5 mL	MSS_8270_APWS_00024	5 uL	Benzidine	0.75 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trinitrobenzene	0.25 ppm
							1,4-Dinitrobenzene	0.25 ppm
							1-Naphthylamine	0.25 ppm
							2-Acetylaminofluorene	0.25 ppm
							2-Naphthylamine	0.25 ppm
							2-Picoline	0.25 ppm
							2-Toluidine	0.25 ppm
							3,3'-Dimethylbenzidine	0.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.25 ppm
							4-Aminobiphenyl	0.25 ppm
							4-Nitroquinoline-1-oxide	0.25 ppm
							Dibenz[a,h]acridine	0.25 ppm
							N-Nitro-o-toluidine	0.25 ppm
							N-Nitrosodi-n-butylamine	0.25 ppm
							N-Nitrosodiethylamine	0.25 ppm
							N-Nitrosomethylethylamine	0.25 ppm
							N-Nitrosomorpholine	0.25 ppm
							N-Nitrosopiperidine	0.25 ppm
							N-Nitrosopyrrolidine	0.25 ppm
							p-Dimethylamino azobenzene	0.25 ppm
							p-Phenylene diamine	0.25 ppm
							Pentachloronitrobenzene	0.25 ppm
							Phenacetin	0.25 ppm
							Pronamide	0.25 ppm
							Quinoline	0.25 ppm
							1,4-Naphthoquinone	0.25 ppm
							1-Chloronaphthalene	0.25 ppm
							7,12-Dimethylbenz(a)anthracene	0.25 ppm
							Chlorobenzilate	0.25 ppm
							Dinoseb	0.25 ppm
							Ethyl methanesulfonate	0.25 ppm
							Hexachloropropene	0.25 ppm
							Isodrin	0.25 ppm
							Isosafrole Peak 1	0.04 ppm
							Isosafrole Peak 2	0.21 ppm
							Methyl methanesulfonate	0.25 ppm
							Pentachlorobenzene	0.25 ppm
							3-Methylcholanthrene	0.25 ppm
							6-Methylchrysene	0.25 ppm
							cis-Diallate	0.185 ppm
							Dimethoate	0.25 ppm
							Disulfoton	0.25 ppm
							Ethyl Parathion	0.25 ppm
							Famphur	0.25 ppm
							Methyl parathion	0.25 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm
							Sulfotepp	0.25 ppm
							Thionazin	0.25 ppm
							trans-Diallate	0.065 ppm
					MSS_8270_WS_00026	5 uL	2,4,6-Tribromophenol (Surr)	0.5 ppm
							2-Fluorobiphenyl (Surr)	0.5 ppm
							2-Fluorophenol (Surr)	0.5 ppm
							Nitrobenzene-d5 (Surr)	0.5 ppm
							p-Terphenyl-d14 (Surr)	0.5 ppm
							Phenol-d5 (Surr)	0.5 ppm
							Alpha-Terpineol	0.25 ppm
							Dimethylformamide	0.25 ppm
							Octachlorostyrene	0.25 ppm
							Phenyl ether	0.25 ppm
							Dibenz[a,j]acridine	0.25 ppm
							1,1'-Biphenyl	0.25 ppm
							1,2,4,5-Tetrachlorobenzene	0.25 ppm
							1,2,4-Trichlorobenzene	0.25 ppm
							1,2-Dichlorobenzene	0.25 ppm
							1,2-Diphenylhydrazine	0.25 ppm
							1,3-Dichlorobenzene	0.25 ppm
							1,3-Dinitrobenzene	0.25 ppm
							1,4-Dichlorobenzene	0.25 ppm
							1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2,3,4,6-Tetrachlorophenol	0.25 ppm
							2,4,5-Trichlorophenol	0.25 ppm
							2,4,6-Trichlorophenol	0.25 ppm
							2,4-Dichlorophenol	0.25 ppm
							2,4-Dimethylphenol	0.25 ppm
							2,4-Dinitrophenol	2.5 ppm
							2,4-Dinitrotoluene	0.25 ppm
							2,6-Dichlorophenol	0.25 ppm
							2,6-Dinitrotoluene	0.25 ppm
							2-Chloronaphthalene	0.25 ppm
							2-Chlorophenol	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							2-Methylphenol	0.25 ppm
							2-Nitroaniline	0.25 ppm
							2-Nitrophenol	0.25 ppm
							3-Nitroaniline	0.25 ppm
							4,6-Dinitro-2-methylphenol	1.5 ppm
							4-Bromophenyl-phenylether	0.25 ppm
							4-Chloro-3-methylphenol	0.25 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	0.25 ppm
							4-Chlorophenyl-phenyl ether	0.25 ppm
							4-Methylphenol (and/or 3-Methylphenol)	0.25 ppm
							4-Nitroaniline	0.25 ppm
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Acetophenone	0.25 ppm
							Aniline	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Benzyl alcohol	0.25 ppm
							bis(1-chloroispropyl)ether	0.25 ppm
							Bis(2-chloroethoxy)methane	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butylbenzylphthalate	0.25 ppm
							Carbazole	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm
							Dibenzofuran	0.25 ppm
							Diethyl phthalate	0.25 ppm
							Dimethyl phthalate	0.25 ppm
							Fluoranthene	0.25 ppm
							Fluorene	0.25 ppm
							Hexachlorobenzene	0.25 ppm
							Hexachlorobutadiene	0.25 ppm
							Hexachlorocyclopentadiene	0.25 ppm
							Hexachloroethane	0.25 ppm
							Indeno[1,2,3-cd]pyrene	0.25 ppm
							Isophorone	0.25 ppm
							N-Nitrosodi-n-propylamine	0.25 ppm
							N-Nitrosodimethylamine	0.25 ppm
							N-Nitrosodiphenylamine	0.2125 ppm
							Naphthalene	0.25 ppm
							Nitrobenzene	0.25 ppm
							Pentachlorophenol	1.25 ppm
							Phenanthrene	0.25 ppm
							Phenol	0.25 ppm
							Pyrene	0.25 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	0.5 ppm
							3,3'-Dichlorobenzidine	0.25 ppm
							Benzidine	0.75 ppm
					MSS_AB_24DNP_00009	10 uL	2,4-Dinitrophenol	2.5 ppm
					MSS_AB_46D2MP_00006	5 uL	4,6-Dinitro-2-methylphenol	1.5 ppm
					MSS_AB_4NP_00006	5 uL	4-Nitrophenol	1.5 ppm
					MSS_AB_PCP_00004	3.75 uL	Pentachlorophenol	1.25 ppm
					MSS_BAS_WS_00017	12.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_RV8270_IS_00103	100 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
..MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Methylphenol (and/or 3-Methylphenol)	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis(1-chloroispropyl)ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
...MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
...OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Methylphenol (and/or 3-Methylphenol)	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis(1-chloroispropyl)ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
..MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
..MSS_AB_PCP_00004	06/22/27		Absolute, Lot 062222		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
..MSS_BAS_WS_00017	06/23/25	12/23/24	MeCl2, Lot 64299	5 mL	OP_LCSmix2stk_00009	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
...OP_LCSmix2stk_00009	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
...MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_2_00043	06/23/25	02/27/25	MeCl2, Lot 64313	5 mL	MSS_8270_APWS_00024	5 uL	Benzidine	0.75 ppm
							1,3,5-Trinitrobenzene	0.25 ppm
							1,4-Dinitrobenzene	0.25 ppm
							1-Naphthylamine	0.25 ppm
							2-Acetylaminofluorene	0.25 ppm
							2-Naphthylamine	0.25 ppm
							2-Picoline	0.25 ppm
							2-Toluidine	0.25 ppm
							3,3'-Dimethylbenzidine	0.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.25 ppm
							4-Aminobiphenyl	0.25 ppm
							4-Nitroquinoline-1-oxide	0.25 ppm
							Dibenz[a,h]acridine	0.25 ppm
							N-Nitro-o-toluidine	0.25 ppm
							N-Nitrosodi-n-butylamine	0.25 ppm
							N-Nitrosodiethylamine	0.25 ppm
							N-Nitrosomethylethylamine	0.25 ppm
							N-Nitrosomorpholine	0.25 ppm
							N-Nitrosopiperidine	0.25 ppm
							N-Nitrosopyrrolidine	0.25 ppm
							p-Dimethylamino azobenzene	0.25 ppm
							p-Phenylene diamine	0.25 ppm
							Pentachloronitrobenzene	0.25 ppm
							Phenacetin	0.25 ppm
							Pronamide	0.25 ppm
							Quinoline	0.25 ppm
							1,4-Naphthoquinone	0.25 ppm
							1-Chloronaphthalene	0.25 ppm
							7,12-Dimethylbenz(a)anthracene	0.25 ppm
							Chlorobenzilate	0.25 ppm
							Dinoseb	0.25 ppm
							Ethyl methanesulfonate	0.25 ppm
							Hexachloropropene	0.25 ppm
							Isodrin	0.25 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 1	0.04 ppm
							Isosafrole Peak 2	0.21 ppm
							Methyl methanesulfonate	0.25 ppm
							Pentachlorobenzene	0.25 ppm
							3-Methylcholanthrene	0.25 ppm
							6-Methylchrysene	0.25 ppm
							cis-Diallate	0.185 ppm
							Dimethoate	0.25 ppm
							Disulfoton	0.25 ppm
							Ethyl Parathion	0.25 ppm
							Famphur	0.25 ppm
							Methyl parathion	0.25 ppm
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm
							Sulfotepp	0.25 ppm
							Thionazin	0.25 ppm
							trans-Diallate	0.065 ppm
					MSS_8270_WS_00026	5 uL	2,4,6-Tribromophenol (Surr)	0.5 ppm
							2-Fluorobiphenyl (Surr)	0.5 ppm
							2-Fluorophenol (Surr)	0.5 ppm
							Nitrobenzene-d5 (Surr)	0.5 ppm
							p-Terphenyl-d14 (Surr)	0.5 ppm
							Phenol-d5 (Surr)	0.5 ppm
							Alpha-Terpineol	0.25 ppm
							Dimethylformamide	0.25 ppm
							Octachlorostyrene	0.25 ppm
							Phenyl ether	0.25 ppm
							Dibenz[a,j]acridine	0.25 ppm
							1,1'-Biphenyl	0.25 ppm
							1,2,4,5-Tetrachlorobenzene	0.25 ppm
							1,2,4-Trichlorobenzene	0.25 ppm
							1,2-Dichlorobenzene	0.25 ppm
							1,2-Diphenylhydrazine	0.25 ppm
							1,3-Dichlorobenzene	0.25 ppm
							1,3-Dinitrobenzene	0.25 ppm
							1,4-Dichlorobenzene	0.25 ppm
							1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2,3,4,6-Tetrachlorophenol	0.25 ppm
							2,4,5-Trichlorophenol	0.25 ppm
							2,4,6-Trichlorophenol	0.25 ppm
							2,4-Dichlorophenol	0.25 ppm
							2,4-Dimethylphenol	0.25 ppm
							2,4-Dinitrophenol	2.5 ppm
							2,4-Dinitrotoluene	0.25 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	0.25 ppm
							2,6-Dinitrotoluene	0.25 ppm
							2-Chloronaphthalene	0.25 ppm
							2-Chlorophenol	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							2-Methylphenol	0.25 ppm
							2-Nitroaniline	0.25 ppm
							2-Nitrophenol	0.25 ppm
							3-Nitroaniline	0.25 ppm
							4,6-Dinitro-2-methylphenol	1.5 ppm
							4-Bromophenyl-phenylether	0.25 ppm
							4-Chloro-3-methylphenol	0.25 ppm
							4-Chloroaniline	0.25 ppm
							4-Chlorophenyl-phenyl ether	0.25 ppm
							4-Methylphenol (and/or 3-Methylphenol)	0.25 ppm
							4-Nitroaniline	0.25 ppm
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Acetophenone	0.25 ppm
							Aniline	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Benzyl alcohol	0.25 ppm
							bis(1-chloroispropyl)ether	0.25 ppm
							Bis(2-chloroethoxy)methane	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butylbenzylphthalate	0.25 ppm
							Carbazole	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm
							Dibenzofuran	0.25 ppm
							Diethyl phthalate	0.25 ppm
							Dimethyl phthalate	0.25 ppm
							Fluoranthene	0.25 ppm
							Fluorene	0.25 ppm
							Hexachlorobenzene	0.25 ppm
							Hexachlorobutadiene	0.25 ppm
							Hexachlorocyclopentadiene	0.25 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	0.25 ppm
							Indeno[1,2,3-cd]pyrene	0.25 ppm
							Isophorone	0.25 ppm
							N-Nitrosodi-n-propylamine	0.25 ppm
							N-Nitrosodimethylamine	0.25 ppm
							N-Nitrosodiphenylamine	0.2125 ppm
							Naphthalene	0.25 ppm
							Nitrobenzene	0.25 ppm
							Pentachlorophenol	1.25 ppm
							Phenanthrene	0.25 ppm
							Phenol	0.25 ppm
							Pyrene	0.25 ppm
							Pyridine	0.5 ppm
							3,3'-Dichlorobenzidine	0.25 ppm
							Benzidine	0.75 ppm
					MSS_AB_24DNP_00009	10 uL	2,4-Dinitrophenol	2.5 ppm
					MSS_AB_46D2MP_00006	5 uL	4,6-Dinitro-2-methylphenol	1.5 ppm
					MSS_AB_4NP_00006	5 uL	4-Nitrophenol	1.5 ppm
					MSS_AB_PCP_00004	3.75 uL	Pentachlorophenol	1.25 ppm
					MSS_BAS_WS_00017	12.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_RV8270_IS_00103	100 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Methylphenol (and/or 3-Methylphenol)	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis(1-chloroispropyl)ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25		Restek, Lot A0216029		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Methylphenol (and/or 3-Methylphenol)	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis(1-chloroispropyl)ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.MSS_AB_PCP_00004	06/22/27		Absolute, Lot 062222		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
.MSS_BAS_WS_00017	06/23/25	12/23/24	MeCl2, Lot 64299	5 mL	OP_LCSmix2stk_00009	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00009	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_3_00041	06/30/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_8270_APWS_00024	10 uL	Benzidine	3.75 ppm
							1,3,5-Trinitrobenzene	1.25 ppm
							1,4-Dinitrobenzene	1.25 ppm
							1-Naphthylamine	1.25 ppm
							2-Acetylaminofluorene	1.25 ppm
							2-Naphthylamine	1.25 ppm
							2-Picoline	1.25 ppm
							2-Toluidine	1.25 ppm
							3,3'-Dimethylbenzidine	1.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	1.25 ppm
							4-Aminobiphenyl	1.25 ppm
							4-Nitroquinoline-1-oxide	1.25 ppm
							Dibenz[a,h]acridine	1.25 ppm
							N-Nitro-o-toluidine	1.25 ppm
							N-Nitrosodi-n-butylamine	1.25 ppm
							N-Nitrosodiethylamine	1.25 ppm
							N-Nitrosomethylethylamine	1.25 ppm
							N-Nitrosomorpholine	1.25 ppm
							N-Nitrosopiperidine	1.25 ppm
							N-Nitrosopyrrolidine	1.25 ppm
							p-Dimethylamino azobenzene	1.25 ppm
							p-Phenylene diamine	1.25 ppm
							Pentachloronitrobenzene	1.25 ppm
							Phenacetin	1.25 ppm
							Pronamide	1.25 ppm
							Quinoline	1.25 ppm
							1,4-Naphthoquinone	1.25 ppm
							1-Chloronaphthalene	1.25 ppm
							7,12-Dimethylbenz(a)anthracene	1.25 ppm
							Chlorobenzilate	1.25 ppm
							Dinoseb	1.25 ppm
							Ethyl methanesulfonate	1.25 ppm
							Hexachloropropene	1.25 ppm
							Isodrin	1.25 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 1	0.2 ppm
							Isosafrole Peak 2	1.05 ppm
							Methyl methanesulfonate	1.25 ppm
							Pentachlorobenzene	1.25 ppm
							3-Methylcholanthrene	1.25 ppm
							6-Methylchrysene	1.25 ppm
							cis-Diallate	0.925 ppm
							Dimethoate	1.25 ppm
							Disulfoton	1.25 ppm
							Ethyl Parathion	1.25 ppm
							Famphur	1.25 ppm
							Methyl parathion	1.25 ppm
							o,o',o''-Triethylphosphorothioate	1.25 ppm
							Phorate	1.25 ppm
							Safrole, Total	1.25 ppm
							Sulfotepp	1.25 ppm
							Thionazin	1.25 ppm
							trans-Diallate	0.325 ppm
					MSS_8270_WS_00026	10 uL	2,4,6-Tribromophenol (Surr)	2.5 ppm
							2-Fluorobiphenyl (Surr)	2.5 ppm
							2-Fluorophenol (Surr)	2.5 ppm
							Nitrobenzene-d5 (Surr)	2.5 ppm
							p-Terphenyl-d14 (Surr)	2.5 ppm
							Phenol-d5 (Surr)	2.5 ppm
							Alpha-Terpineol	1.25 ppm
							Dimethylformamide	1.25 ppm
							Octachlorostyrene	1.25 ppm
							Phenyl ether	1.25 ppm
							Dibenz[a,j]acridine	1.25 ppm
							1,1'-Biphenyl	1.25 ppm
							1,2,4,5-Tetrachlorobenzene	1.25 ppm
							1,2,4-Trichlorobenzene	1.25 ppm
							1,2-Dichlorobenzene	1.25 ppm
							1,2-Diphenylhydrazine	1.25 ppm
							1,3-Dichlorobenzene	1.25 ppm
							1,3-Dinitrobenzene	1.25 ppm
							1,4-Dichlorobenzene	1.25 ppm
							1,4-Dioxane	1.25 ppm
							1-Methylnaphthalene	1.25 ppm
							2,3,4,6-Tetrachlorophenol	1.25 ppm
							2,4,5-Trichlorophenol	1.25 ppm
							2,4,6-Trichlorophenol	1.25 ppm
							2,4-Dichlorophenol	1.25 ppm
							2,4-Dimethylphenol	1.25 ppm
							2,4-Dinitrophenol	5 ppm
							2,4-Dinitrotoluene	1.25 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	1.25 ppm
							2,6-Dinitrotoluene	1.25 ppm
							2-Chloronaphthalene	1.25 ppm
							2-Chlorophenol	1.25 ppm
							2-Methylnaphthalene	1.25 ppm
							2-Methylphenol	1.25 ppm
							2-Nitroaniline	1.25 ppm
							2-Nitrophenol	1.25 ppm
							3-Nitroaniline	1.25 ppm
							4,6-Dinitro-2-methylphenol	3.75 ppm
							4-Bromophenyl-phenylether	1.25 ppm
							4-Chloro-3-methylphenol	1.25 ppm
							4-Chloroaniline	1.25 ppm
							4-Chlorophenyl-phenyl ether	1.25 ppm
							4-Methylphenol (and/or 3-Methylphenol)	1.25 ppm
							4-Nitroaniline	1.25 ppm
							4-Nitrophenol	3.75 ppm
							Acenaphthene	1.25 ppm
							Acenaphthylene	1.25 ppm
							Acetophenone	1.25 ppm
							Aniline	1.25 ppm
							Anthracene	1.25 ppm
							Benzo[a]anthracene	1.25 ppm
							Benzo[a]pyrene	1.25 ppm
							Benzo[b]fluoranthene	1.25 ppm
							Benzo[g,h,i]perylene	1.25 ppm
							Benzo[k]fluoranthene	1.25 ppm
							Benzyl alcohol	1.25 ppm
							bis(1-chloroispropyl)ether	1.25 ppm
							Bis(2-chloroethoxy)methane	1.25 ppm
							Bis(2-chloroethyl)ether	1.25 ppm
							Bis(2-ethylhexyl) phthalate	1.25 ppm
							Butylbenzylphthalate	1.25 ppm
							Carbazole	1.25 ppm
							Chrysene	1.25 ppm
							Di-n-butyl phthalate	1.25 ppm
							Di-n-octyl phthalate	1.25 ppm
							Dibenz(a,h)anthracene	1.25 ppm
							Dibenzofuran	1.25 ppm
							Diethyl phthalate	1.25 ppm
							Dimethyl phthalate	1.25 ppm
							Fluoranthene	1.25 ppm
							Fluorene	1.25 ppm
							Hexachlorobenzene	1.25 ppm
							Hexachlorobutadiene	1.25 ppm
							Hexachlorocyclopentadiene	1.25 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	1.25 ppm
							Indeno[1,2,3-cd]pyrene	1.25 ppm
							Isophorone	1.25 ppm
							N-Nitrosodi-n-propylamine	1.25 ppm
							N-Nitrosodimethylamine	1.25 ppm
							N-Nitrosodiphenylamine	1.0625 ppm
							Naphthalene	1.25 ppm
							Nitrobenzene	1.25 ppm
							Pentachlorophenol	2.5 ppm
							Phenanthrene	1.25 ppm
							Phenol	1.25 ppm
							Pyrene	1.25 ppm
							Pyridine	2.5 ppm
							3,3'-Dichlorobenzidine	1.25 ppm
							Benzidine	3.75 ppm
					MSS_AB_24DNP_00009	5 uL	2,4-Dinitrophenol	5 ppm
					MSS_AB_46D2MP_00006	2.5 uL	4,6-Dinitro-2-methylphenol	3.75 ppm
					MSS_AB_4NP_00006	2.5 uL	4-Nitrophenol	3.75 ppm
					MSS_BAS_WS_00018	25 uL	Atrazine	1.25 ppm
							Benzaldehyde	1.25 ppm
							Caprolactam	1.25 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Methylphenol (and/or 3-Methylphenol)	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis(1-chloroispropyl)ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25		Restek, Lot A0216029		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Methylphenol (and/or 3-Methylphenol)	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added	Benzyl alcohol	1000 ug/mL
							bis(1-chloroispropyl)ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_4_00040	06/30/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_8270_APWS_00024	30 uL	Benzidine	11.25 ppm
							1,3,5-Trinitrobenzene	3.75 ppm
							1,4-Dinitrobenzene	3.75 ppm
							1-Naphthylamine	3.75 ppm
							2-Acetylaminofluorene	3.75 ppm
							2-Naphthylamine	3.75 ppm
							2-Picoline	3.75 ppm
							2-Toluidine	3.75 ppm
							3,3'-Dimethylbenzidine	3.75 ppm
							4,4'-Methylene bis(2-chloroaniline)	3.75 ppm
							4-Aminobiphenyl	3.75 ppm
							4-Nitroquinoline-1-oxide	3.75 ppm
							Dibenz[a,h]acridine	3.75 ppm
							N-Nitro-o-toluidine	3.75 ppm
							N-Nitrosodi-n-butylamine	3.75 ppm
							N-Nitrosodiethylamine	3.75 ppm
							N-Nitrosomethylethylamine	3.75 ppm
							N-Nitrosomorpholine	3.75 ppm
							N-Nitrosopiperidine	3.75 ppm
							N-Nitrosopyrrolidine	3.75 ppm
							p-Dimethylamino azobenzene	3.75 ppm
							p-Phenylene diamine	3.75 ppm
							Pentachloronitrobenzene	3.75 ppm
							Phenacetin	3.75 ppm
							Pronamide	3.75 ppm
							Quinoline	3.75 ppm
							1,4-Naphthoquinone	3.75 ppm
							1-Chloronaphthalene	3.75 ppm
							7,12-Dimethylbenz(a)anthracene	3.75 ppm
							Chlorobenzilate	3.75 ppm
							Dinoseb	3.75 ppm
							Ethyl methanesulfonate	3.75 ppm
							Hexachloropropene	3.75 ppm
							Isodrin	3.75 ppm
							Isosafrole Peak 1	0.6 ppm
							Isosafrole Peak 2	3.15 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methanesulfonate	3.75 ppm
							Pentachlorobenzene	3.75 ppm
							3-Methylcholanthrene	3.75 ppm
							6-Methylchrysene	3.75 ppm
							cis-Diallate	2.775 ppm
							Dimethoate	3.75 ppm
							Disulfoton	3.75 ppm
							Ethyl Parathion	3.75 ppm
							Famphur	3.75 ppm
							Methyl parathion	3.75 ppm
							o,o',o''-Triethylphosphorothioate	3.75 ppm
							Phorate	3.75 ppm
							Safrole, Total	3.75 ppm
							Sulfotepp	3.75 ppm
							Thionazin	3.75 ppm
							trans-Diallate	0.975 ppm
					MSS_8270_WS_00026	30 uL	2,4,6-Tribromophenol (Surr)	7.5 ppm
							2-Fluorobiphenyl (Surr)	7.5 ppm
							2-Fluorophenol (Surr)	7.5 ppm
							Nitrobenzene-d5 (Surr)	7.5 ppm
							p-Terphenyl-d14 (Surr)	7.5 ppm
							Phenol-d5 (Surr)	7.5 ppm
							Alpha-Terpineol	3.75 ppm
							Dimethylformamide	3.75 ppm
							Octachlorostyrene	3.75 ppm
							Phenyl ether	3.75 ppm
							Dibenz[a,j]acridine	3.75 ppm
							1,1'-Biphenyl	3.75 ppm
							1,2,4,5-Tetrachlorobenzene	3.75 ppm
							1,2,4-Trichlorobenzene	3.75 ppm
							1,2-Dichlorobenzene	3.75 ppm
							1,2-Diphenylhydrazine	3.75 ppm
							1,3-Dichlorobenzene	3.75 ppm
							1,3-Dinitrobenzene	3.75 ppm
							1,4-Dichlorobenzene	3.75 ppm
							1,4-Dioxane	3.75 ppm
							1-Methylnaphthalene	3.75 ppm
							2,3,4,6-Tetrachlorophenol	3.75 ppm
							2,4,5-Trichlorophenol	3.75 ppm
							2,4,6-Trichlorophenol	3.75 ppm
							2,4-Dichlorophenol	3.75 ppm
							2,4-Dimethylphenol	3.75 ppm
							2,4-Dinitrophenol	11.25 ppm
							2,4-Dinitrotoluene	3.75 ppm
							2,6-Dichlorophenol	3.75 ppm
							2,6-Dinitrotoluene	3.75 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	3.75 ppm
							2-Chlorophenol	3.75 ppm
							2-Methylnaphthalene	3.75 ppm
							2-Methylphenol	3.75 ppm
							2-Nitroaniline	3.75 ppm
							2-Nitrophenol	3.75 ppm
							3-Nitroaniline	3.75 ppm
							4,6-Dinitro-2-methylphenol	7.5 ppm
							4-Bromophenyl-phenylether	3.75 ppm
							4-Chloro-3-methylphenol	3.75 ppm
							4-Chloroaniline	3.75 ppm
							4-Chlorophenyl-phenyl ether	3.75 ppm
							4-Methylphenol (and/or 3-Methylphenol)	3.75 ppm
							4-Nitroaniline	3.75 ppm
							4-Nitrophenol	7.5 ppm
							Acenaphthene	3.75 ppm
							Acenaphthylene	3.75 ppm
							Acetophenone	3.75 ppm
							Aniline	3.75 ppm
							Anthracene	3.75 ppm
							Benzo[a]anthracene	3.75 ppm
							Benzo[a]pyrene	3.75 ppm
							Benzo[b]fluoranthene	3.75 ppm
							Benzo[g,h,i]perylene	3.75 ppm
							Benzo[k]fluoranthene	3.75 ppm
							Benzyl alcohol	3.75 ppm
							bis(1-chloroispropyl)ether	3.75 ppm
							Bis(2-chloroethoxy)methane	3.75 ppm
							Bis(2-chloroethyl)ether	3.75 ppm
							Bis(2-ethylhexyl) phthalate	3.75 ppm
							Butylbenzylphthalate	3.75 ppm
							Carbazole	3.75 ppm
							Chrysene	3.75 ppm
							Di-n-butyl phthalate	3.75 ppm
							Di-n-octyl phthalate	3.75 ppm
							Dibenz(a,h)anthracene	3.75 ppm
							Dibenzofuran	3.75 ppm
							Diethyl phthalate	3.75 ppm
							Dimethyl phthalate	3.75 ppm
							Fluoranthene	3.75 ppm
							Fluorene	3.75 ppm
							Hexachlorobenzene	3.75 ppm
							Hexachlorobutadiene	3.75 ppm
							Hexachlorocyclopentadiene	3.75 ppm
							Hexachloroethane	3.75 ppm
							Indeno[1,2,3-cd]pyrene	3.75 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	3.75 ppm
							N-Nitrosodi-n-propylamine	3.75 ppm
							N-Nitrosodimethylamine	3.75 ppm
							N-Nitrosodiphenylamine	3.1875 ppm
							Naphthalene	3.75 ppm
							Nitrobenzene	3.75 ppm
							Pentachlorophenol	7.5 ppm
							Phenanthrene	3.75 ppm
							Phenol	3.75 ppm
							Pyrene	3.75 ppm
							Pyridine	7.5 ppm
							3,3'-Dichlorobenzidine	3.75 ppm
							Benzidine	11.25 ppm
					MSS_AB_24DNP_00009	7.5 uL	2,4-Dinitrophenol	11.25 ppm
					MSS_BAS_WS_00018	75 uL	Atrazine	3.75 ppm
							Benzaldehyde	3.75 ppm
							Caprolactam	3.75 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Methylphenol (and/or 3-Methylphenol)	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							bis(1-chloroispropyl)ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Methylphenol (and/or 3-Methylphenol)	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis(1-chloroispropyl)ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_5_00052	06/30/25	04/07/25	MeCl2, Lot 65010	2 mL	MSS_8270_APWS_00024	60 uL	Benzidine	22.5 ppm
							1,3,5-Trinitrobenzene	7.5 ppm
							1,4-Dinitrobenzene	7.5 ppm
							1-Naphthylamine	7.5 ppm
							2-Acetylaminofluorene	7.5 ppm
							2-Naphthylamine	7.5 ppm
							2-Picoline	7.5 ppm
							2-Toluidine	7.5 ppm
							3,3'-Dimethylbenzidine	7.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	7.5 ppm
							4-Aminobiphenyl	7.5 ppm
							4-Nitroquinoline-1-oxide	7.5 ppm
							Dibenz[a,h]acridine	7.5 ppm
							N-Nitro-o-toluidine	7.5 ppm
							N-Nitrosodi-n-butylamine	7.5 ppm
							N-Nitrosodiethylamine	7.5 ppm
							N-Nitrosomethylethylamine	7.5 ppm
							N-Nitrosomorpholine	7.5 ppm
							N-Nitrosopiperidine	7.5 ppm
							N-Nitrosopyrrolidine	7.5 ppm
							p-Dimethylamino azobenzene	7.5 ppm
							p-Phenylene diamine	7.5 ppm
							Pentachloronitrobenzene	7.5 ppm
							Phenacetin	7.5 ppm
							Pronamide	7.5 ppm
							Quinoline	7.5 ppm
							1,4-Naphthoquinone	7.5 ppm
							1-Chloronaphthalene	7.5 ppm
							7,12-Dimethylbenz(a)anthracene	7.5 ppm
							Chlorobenzilate	7.5 ppm
							Dinoseb	7.5 ppm
							Ethyl methanesulfonate	7.5 ppm
							Hexachloropropene	7.5 ppm
							Isodrin	7.5 ppm
							Isosafrole Peak 1	1.2 ppm
							Isosafrole Peak 2	6.3 ppm
							Methyl methanesulfonate	7.5 ppm
							Pentachlorobenzene	7.5 ppm
							3-Methylcholanthrene	7.5 ppm
							6-Methylchrysene	7.5 ppm
							cis-Diallate	5.55 ppm
							Dimethoate	7.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Disulfoton	7.5 ppm
							Ethyl Parathion	7.5 ppm
							Methyl parathion	7.5 ppm
							o,o',o''-Triethylphosphorothioate	7.5 ppm
							Phorate	7.5 ppm
							Safrole, Total	7.5 ppm
							Sulfotepp	7.5 ppm
							Thionazin	7.5 ppm
							trans-Diallate	1.95 ppm
					MSS_8270_WS_00026	60 uL	2,4,6-Tribromophenol (Surr)	15 ppm
							2-Fluorobiphenyl (Surr)	15 ppm
							2-Fluorophenol (Surr)	15 ppm
							Nitrobenzene-d5 (Surr)	15 ppm
							p-Terphenyl-d14 (Surr)	15 ppm
							Phenol-d5 (Surr)	15 ppm
							Alpha-Terpineol	7.5 ppm
							Dimethylformamide	7.5 ppm
							Octachlorostyrene	7.5 ppm
							Phenyl ether	7.5 ppm
							Dibenz[a,j]acridine	7.5 ppm
							1,1'-Biphenyl	7.5 ppm
							1,2,4,5-Tetrachlorobenzene	7.5 ppm
							1,2,4-Trichlorobenzene	7.5 ppm
							1,2-Dichlorobenzene	7.5 ppm
							1,2-Diphenylhydrazine	7.5 ppm
							1,3-Dichlorobenzene	7.5 ppm
							1,3-Dinitrobenzene	7.5 ppm
							1,4-Dichlorobenzene	7.5 ppm
							1,4-Dioxane	7.5 ppm
							1-Methylnaphthalene	7.5 ppm
							2,3,4,6-Tetrachlorophenol	7.5 ppm
							2,4,5-Trichlorophenol	7.5 ppm
							2,4,6-Trichlorophenol	7.5 ppm
							2,4-Dichlorophenol	7.5 ppm
							2,4-Dimethylphenol	7.5 ppm
							2,4-Dinitrophenol	17.5 ppm
							2,4-Dinitrotoluene	7.5 ppm
							2,6-Dichlorophenol	7.5 ppm
							2,6-Dinitrotoluene	7.5 ppm
							2-Chloronaphthalene	7.5 ppm
							2-Chlorophenol	7.5 ppm
							2-Methylnaphthalene	7.5 ppm
							2-Methylphenol	7.5 ppm
							2-Nitroaniline	7.5 ppm
							2-Nitrophenol	7.5 ppm
							3-Nitroaniline	7.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	15 ppm
							4-Bromophenyl-phenylether	7.5 ppm
							4-Chloro-3-methylphenol	7.5 ppm
							4-Chloroaniline	7.5 ppm
							4-Chlorophenyl-phenyl ether	7.5 ppm
							4-Methylphenol (and/or 3-Methylphenol)	7.5 ppm
							4-Nitroaniline	7.5 ppm
							4-Nitrophenol	15 ppm
							Acenaphthene	7.5 ppm
							Acenaphthylene	7.5 ppm
							Acetophenone	7.5 ppm
							Aniline	7.5 ppm
							Anthracene	7.5 ppm
							Benzo[a]anthracene	7.5 ppm
							Benzo[a]pyrene	7.5 ppm
							Benzo[b]fluoranthene	7.5 ppm
							Benzo[g,h,i]perylene	7.5 ppm
							Benzo[k]fluoranthene	7.5 ppm
							Benzyl alcohol	7.5 ppm
							bis(1-chloroispropyl)ether	7.5 ppm
							Bis(2-chloroethoxy)methane	7.5 ppm
							Bis(2-chloroethyl)ether	7.5 ppm
							Bis(2-ethylhexyl) phthalate	7.5 ppm
							Butylbenzylphthalate	7.5 ppm
							Carbazole	7.5 ppm
							Chrysene	7.5 ppm
							Di-n-butyl phthalate	7.5 ppm
							Di-n-octyl phthalate	7.5 ppm
							Dibenz(a,h)anthracene	7.5 ppm
							Dibenzofuran	7.5 ppm
							Diethyl phthalate	7.5 ppm
							Dimethyl phthalate	7.5 ppm
							Fluoranthene	7.5 ppm
							Fluorene	7.5 ppm
							Hexachlorobenzene	7.5 ppm
							Hexachlorobutadiene	7.5 ppm
							Hexachlorocyclopentadiene	7.5 ppm
							Hexachloroethane	7.5 ppm
							Indeno[1,2,3-cd]pyrene	7.5 ppm
							Isophorone	7.5 ppm
							N-Nitrosodi-n-propylamine	7.5 ppm
							N-Nitrosodimethylamine	7.5 ppm
							N-Nitrosodiphenylamine	6.375 ppm
							Naphthalene	7.5 ppm
							Nitrobenzene	7.5 ppm
							Pentachlorophenol	15 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	7.5 ppm
							Phenol	7.5 ppm
							Pyrene	7.5 ppm
							Pyridine	15 ppm
							3,3'-Dichlorobenzidine	7.5 ppm
							Benzidine	22.5 ppm
					MSS_AB_24DNP_00009	5 uL	2,4-Dinitrophenol	17.5 ppm
					MSS_BAS_WS_00018	150 uL	Atrazine	7.5 ppm
							Benzaldehyde	7.5 ppm
							Caprolactam	7.5 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Methylphenol (and/or 3-Methylphenol)	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis(1-chloroispropyl)ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Methylphenol (and/or 3-Methylphenol)	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis(1-chloroispropyl)ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_5_00053	07/31/25	05/06/25	MeCl2, Lot 65024	2 mL	MSS_8270_APWS_00025	60 uL	Benzidine	22.5 ppm
							1,3,5-Trinitrobenzene	7.5 ppm
							1,4-Dinitrobenzene	7.5 ppm
							1-Naphthylamine	7.5 ppm
							2-Acetylaminofluorene	7.5 ppm
							2-Naphthylamine	7.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Picoline	7.5 ppm
							2-Toluidine	7.5 ppm
							3,3'-Dimethylbenzidine	7.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	7.5 ppm
							4-Aminobiphenyl	7.5 ppm
							4-Nitroquinoline-1-oxide	7.5 ppm
							Dibenz[a,h]acridine	7.5 ppm
							N-Nitro-o-toluidine	7.5 ppm
							N-Nitrosodi-n-butylamine	7.5 ppm
							N-Nitrosodiethylamine	7.5 ppm
							N-Nitrosomethylethylamine	7.5 ppm
							N-Nitrosomorpholine	7.5 ppm
							N-Nitrosopiperidine	7.5 ppm
							N-Nitrosopyrrolidine	7.5 ppm
							p-Dimethylamino azobenzene	7.5 ppm
							p-Phenylene diamine	7.5 ppm
							Pentachloronitrobenzene	7.5 ppm
							Phenacetin	7.5 ppm
							Pronamide	7.5 ppm
							Quinoline	7.5 ppm
							1,4-Naphthoquinone	7.5 ppm
							1-Chloronaphthalene	7.5 ppm
							7,12-Dimethylbenz(a)anthracene	7.5 ppm
							Chlorobenzilate	7.5 ppm
							Dinoseb	7.5 ppm
							Ethyl methanesulfonate	7.5 ppm
							Hexachloropropene	7.5 ppm
							Isodrin	7.5 ppm
							Isosafrole Peak 1	1.2 ppm
							Isosafrole Peak 2	6.3 ppm
							Methyl methanesulfonate	7.5 ppm
							Pentachlorobenzene	7.5 ppm
							3-Methylcholanthrene	7.5 ppm
							6-Methylchrysene	7.5 ppm
							cis-Diallate	5.55 ppm
							Dimethoate	7.5 ppm
							Disulfoton	7.5 ppm
							Ethyl Parathion	7.5 ppm
							Methyl parathion	7.5 ppm
							o,o',o''-Triethylphosphorothioate	7.5 ppm
							Phorate	7.5 ppm
							Safrole, Total	7.5 ppm
							Sulfotepp	7.5 ppm
							Thionazin	7.5 ppm
							trans-Diallate	1.95 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSS_8270_WS_00026	60 uL	2,4,6-Tribromophenol (Surr)	15 ppm
							2-Fluorobiphenyl (Surr)	15 ppm
							2-Fluorophenol (Surr)	15 ppm
							Nitrobenzene-d5 (Surr)	15 ppm
							p-Terphenyl-d14 (Surr)	15 ppm
							Phenol-d5 (Surr)	15 ppm
							Alpha-Terpineol	7.5 ppm
							Dimethylformamide	7.5 ppm
							Octachlorostyrene	7.5 ppm
							Phenyl ether	7.5 ppm
							Dibenz[a,j]acridine	7.5 ppm
							1,1'-Biphenyl	7.5 ppm
							1,2,4,5-Tetrachlorobenzene	7.5 ppm
							1,2,4-Trichlorobenzene	7.5 ppm
							1,2-Dichlorobenzene	7.5 ppm
							1,2-Diphenylhydrazine	7.5 ppm
							1,3-Dichlorobenzene	7.5 ppm
							1,3-Dinitrobenzene	7.5 ppm
							1,4-Dichlorobenzene	7.5 ppm
							1,4-Dioxane	7.5 ppm
							1-Methylnaphthalene	7.5 ppm
							2,3,4,6-Tetrachlorophenol	7.5 ppm
							2,4,5-Trichlorophenol	7.5 ppm
							2,4,6-Trichlorophenol	7.5 ppm
							2,4-Dichlorophenol	7.5 ppm
							2,4-Dimethylphenol	7.5 ppm
							2,4-Dinitrophenol	17.5 ppm
							2,4-Dinitrotoluene	7.5 ppm
							2,6-Dichlorophenol	7.5 ppm
							2,6-Dinitrotoluene	7.5 ppm
							2-Chloronaphthalene	7.5 ppm
							2-Chlorophenol	7.5 ppm
							2-Methylnaphthalene	7.5 ppm
							2-Methylphenol	7.5 ppm
							2-Nitroaniline	7.5 ppm
							2-Nitrophenol	7.5 ppm
							3-Nitroaniline	7.5 ppm
							4,6-Dinitro-2-methylphenol	15 ppm
							4-Bromophenyl-phenylether	7.5 ppm
							4-Chloro-3-methylphenol	7.5 ppm
							4-Chloroaniline	7.5 ppm
							4-Chlorophenyl-phenyl ether	7.5 ppm
							4-Methylphenol (and/or 3-Methylphenol)	7.5 ppm
							4-Nitroaniline	7.5 ppm
							4-Nitrophenol	15 ppm
							Acenaphthene	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	7.5 ppm
							Acetophenone	7.5 ppm
							Aniline	7.5 ppm
							Anthracene	7.5 ppm
							Benzo[a]anthracene	7.5 ppm
							Benzo[a]pyrene	7.5 ppm
							Benzo[b]fluoranthene	7.5 ppm
							Benzo[g,h,i]perylene	7.5 ppm
							Benzo[k]fluoranthene	7.5 ppm
							Benzyl alcohol	7.5 ppm
							bis(1-chloroispropyl)ether	7.5 ppm
							Bis(2-chloroethoxy)methane	7.5 ppm
							Bis(2-chloroethyl)ether	7.5 ppm
							Bis(2-ethylhexyl) phthalate	7.5 ppm
							Butylbenzylphthalate	7.5 ppm
							Carbazole	7.5 ppm
							Chrysene	7.5 ppm
							Di-n-butyl phthalate	7.5 ppm
							Di-n-octyl phthalate	7.5 ppm
							Dibenz(a,h)anthracene	7.5 ppm
							Dibenzofuran	7.5 ppm
							Diethyl phthalate	7.5 ppm
							Dimethyl phthalate	7.5 ppm
							Fluoranthene	7.5 ppm
							Fluorene	7.5 ppm
							Hexachlorobenzene	7.5 ppm
							Hexachlorobutadiene	7.5 ppm
							Hexachlorocyclopentadiene	7.5 ppm
							Hexachloroethane	7.5 ppm
							Indeno[1,2,3-cd]pyrene	7.5 ppm
							Isophorone	7.5 ppm
							N-Nitrosodi-n-propylamine	7.5 ppm
							N-Nitrosodimethylamine	7.5 ppm
							N-Nitrosodiphenylamine	6.375 ppm
							Naphthalene	7.5 ppm
							Nitrobenzene	7.5 ppm
							Pentachlorophenol	15 ppm
							Phenanthrene	7.5 ppm
							Phenol	7.5 ppm
							Pyrene	7.5 ppm
							Pyridine	15 ppm
							3,3'-Dichlorobenzidine	7.5 ppm
							Benzidine	22.5 ppm
					MSS_AB_24DNP_00009	5 uL	2,4-Dinitrophenol	17.5 ppm
					MSS_BAS_WS_00018	150 uL	Atrazine	7.5 ppm
							Benzaldehyde	7.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	7.5 ppm
					MSS_RV8270_IS_00107	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00025	10/09/25	04/09/25	MeCl2, Lot 65010	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	625 uL	3-Methylcholanthrene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Methylphenol (and/or 3-Methylphenol)	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis(1-chloroispropyl)ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Methylphenol (and/or 3-Methylphenol)	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis(1-chloroispropyl)ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00107	11/02/25	05/02/25	MeCl2, Lot 64327	10 mL	MSS_FV8270_IS_00006	2500 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00064	06/30/25	04/07/25	MeCl2, Lot 65010	2 mL	MSS_8270_APWS_00024	100 uL	Benzidine	37.5 ppm
							1,3,5-Trinitrobenzene	12.5 ppm
							1,4-Dinitrobenzene	12.5 ppm
							1-Naphthylamine	12.5 ppm
							2-Acetylaminofluorene	12.5 ppm
							2-Naphthylamine	12.5 ppm
							2-Picoline	12.5 ppm
							2-Toluidine	12.5 ppm
							3,3'-Dimethylbenzidine	12.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	12.5 ppm
							4-Aminobiphenyl	12.5 ppm
							4-Nitroquinoline-1-oxide	12.5 ppm
							Dibenz[a,h]acridine	12.5 ppm
							N-Nitro-o-toluidine	12.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-butylamine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm
							N-Nitrosomethylethylamine	12.5 ppm
							N-Nitrosomorpholine	12.5 ppm
							N-Nitrosopiperidine	12.5 ppm
							N-Nitrosopyrrolidine	12.5 ppm
							p-Dimethylamino azobenzene	12.5 ppm
							p-Phenylene diamine	12.5 ppm
							Pentachloronitrobenzene	12.5 ppm
							Phenacetin	12.5 ppm
							Pronamide	12.5 ppm
							Quinoline	12.5 ppm
							1,4-Naphthoquinone	12.5 ppm
							1-Chloronaphthalene	12.5 ppm
							7,12-Dimethylbenz(a)anthracene	12.5 ppm
							Chlorobenzilate	12.5 ppm
							Dinoseb	12.5 ppm
							Ethyl methanesulfonate	12.5 ppm
							Hexachloropropene	12.5 ppm
							Isodrin	12.5 ppm
							Isosafrole Peak 1	2 ppm
							Isosafrole Peak 2	10.5 ppm
							Methyl methanesulfonate	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							3-Methylcholanthrene	12.5 ppm
							6-Methylchrysene	12.5 ppm
							cis-Diallate	9.25 ppm
							Dimethoate	12.5 ppm
							Disulfoton	12.5 ppm
							Ethyl Parathion	12.5 ppm
							Methyl parathion	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm
							Thionazin	12.5 ppm
							trans-Diallate	3.25 ppm
					MSS_8270_WS_00026	100 uL	2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm
							Alpha-Terpineol	12.5 ppm
							Dimethylformamide	12.5 ppm
							Octachlorostyrene	12.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenyl ether	12.5 ppm
							Dibenz[a,j]acridine	12.5 ppm
							1,1'-Biphenyl	12.5 ppm
							1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,2,4-Trichlorobenzene	12.5 ppm
							1,2-Dichlorobenzene	12.5 ppm
							1,2-Diphenylhydrazine	12.5 ppm
							1,3-Dichlorobenzene	12.5 ppm
							1,3-Dinitrobenzene	12.5 ppm
							1,4-Dichlorobenzene	12.5 ppm
							1,4-Dioxane	12.5 ppm
							1-Methylnaphthalene	12.5 ppm
							2,3,4,6-Tetrachlorophenol	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dimethylphenol	12.5 ppm
							2,4-Dinitrophenol	25 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dichlorophenol	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Methylphenol	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							3-Nitroaniline	12.5 ppm
							4,6-Dinitro-2-methylphenol	25 ppm
							4-Bromophenyl-phenylether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chloroaniline	12.5 ppm
							4-Chlorophenyl-phenyl ether	12.5 ppm
							4-Methylphenol (and/or 3-Methylphenol)	12.5 ppm
							4-Nitroaniline	12.5 ppm
							4-Nitrophenol	25 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Acetophenone	12.5 ppm
							Aniline	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	12.5 ppm
							bis(1-chloroispropyl)ether	12.5 ppm
							Bis(2-chloroethoxy)methane	12.5 ppm
							Bis(2-chloroethyl)ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Butylbenzylphthalate	12.5 ppm
							Carbazole	12.5 ppm
							Chrysene	12.5 ppm
							Di-n-butyl phthalate	12.5 ppm
							Di-n-octyl phthalate	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethyl phthalate	12.5 ppm
							Dimethyl phthalate	12.5 ppm
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm
							Hexachlorobenzene	12.5 ppm
							Hexachlorobutadiene	12.5 ppm
							Hexachlorocyclopentadiene	12.5 ppm
							Hexachloroethane	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							Isophorone	12.5 ppm
							N-Nitrosodi-n-propylamine	12.5 ppm
							N-Nitrosodimethylamine	12.5 ppm
							N-Nitrosodiphenylamine	10.625 ppm
							Naphthalene	12.5 ppm
							Nitrobenzene	12.5 ppm
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							Pyridine	25 ppm
							3,3'-Dichlorobenzidine	12.5 ppm
							Benzidine	37.5 ppm
					MSS_BAS_WS_00018	250 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Methylphenol (and/or 3-Methylphenol)	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis(1-chloroispropyl)ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Methylphenol (and/or 3-Methylphenol)	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis(1-chloroispropyl)ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00064	06/30/25	04/07/25	MeCl2, Lot 65010	2 mL	MSS_8270_WS_00026	100 uL	Dinitrotoluene	25 ppm
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	OP_RES_LCS1_00022	2500 uL	Dinitrotoluene	500 ppm
..OP_RES_LCS1_00022	07/31/25		Restek, Lot A0216029		(Purchased Reagent)		Dinitrotoluene	2000 ug/mL
MSS_RV8270_6_00065	07/31/25	05/06/25	MeCl2, Lot 65024	2 mL	MSS_8270_APWS_00025	100 uL	Benzidine	37.5 ppm
							1,3,5-Trinitrobenzene	12.5 ppm
							1,4-Dinitrobenzene	12.5 ppm
							1-Naphthylamine	12.5 ppm
							2-Acetylaminofluorene	12.5 ppm
							2-Naphthylamine	12.5 ppm
							2-Picoline	12.5 ppm
							2-Toluidine	12.5 ppm
							3,3'-Dimethylbenzidine	12.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	12.5 ppm
							4-Aminobiphenyl	12.5 ppm
							4-Nitroquinoline-1-oxide	12.5 ppm
							Dibenz[a,h]acridine	12.5 ppm
							N-Nitro-o-toluidine	12.5 ppm
							N-Nitrosodi-n-butylamine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm
							N-Nitrosomethylethylamine	12.5 ppm
							N-Nitrosomorpholine	12.5 ppm
							N-Nitrosopiperidine	12.5 ppm
							N-Nitrosopyrrolidine	12.5 ppm
							p-Dimethylamino azobenzene	12.5 ppm
							p-Phenylene diamine	12.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloronitrobenzene	12.5 ppm
							Phenacetin	12.5 ppm
							Pronamide	12.5 ppm
							Quinoline	12.5 ppm
							1,4-Naphthoquinone	12.5 ppm
							1-Chloronaphthalene	12.5 ppm
							7,12-Dimethylbenz(a)anthracene	12.5 ppm
							Chlorobenzilate	12.5 ppm
							Dinoseb	12.5 ppm
							Ethyl methanesulfonate	12.5 ppm
							Hexachloropropene	12.5 ppm
							Isodrin	12.5 ppm
							Isosafrole Peak 1	2 ppm
							Isosafrole Peak 2	10.5 ppm
							Methyl methanesulfonate	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							3-Methylcholanthrene	12.5 ppm
							6-Methylchrysene	12.5 ppm
							cis-Diallate	9.25 ppm
							Dimethoate	12.5 ppm
							Disulfoton	12.5 ppm
							Ethyl Parathion	12.5 ppm
							Methyl parathion	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm
							Thionazin	12.5 ppm
							trans-Diallate	3.25 ppm
					MSS_8270_WS_00026	100 uL	2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm
							Alpha-Terpineol	12.5 ppm
							Dimethylformamide	12.5 ppm
							Octachlorostyrene	12.5 ppm
							Phenyl ether	12.5 ppm
							Dibenz[a,j]acridine	12.5 ppm
							1,1'-Biphenyl	12.5 ppm
							1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,2,4-Trichlorobenzene	12.5 ppm
							1,2-Dichlorobenzene	12.5 ppm
							1,2-Diphenylhydrazine	12.5 ppm
							1,3-Dichlorobenzene	12.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	12.5 ppm
							1,4-Dichlorobenzene	12.5 ppm
							1,4-Dioxane	12.5 ppm
							1-Methylnaphthalene	12.5 ppm
							2,3,4,6-Tetrachlorophenol	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dimethylphenol	12.5 ppm
							2,4-Dinitrophenol	25 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dichlorophenol	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Methylphenol	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							3-Nitroaniline	12.5 ppm
							4,6-Dinitro-2-methylphenol	25 ppm
							4-Bromophenyl-phenylether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chloroaniline	12.5 ppm
							4-Chlorophenyl-phenyl ether	12.5 ppm
							4-Methylphenol (and/or 3-Methylphenol)	12.5 ppm
							4-Nitroaniline	12.5 ppm
							4-Nitrophenol	25 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Acetophenone	12.5 ppm
							Aniline	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							Benzyl alcohol	12.5 ppm
							bis(1-chloroispropyl)ether	12.5 ppm
							Bis(2-chloroethoxy)methane	12.5 ppm
							Bis(2-chloroethyl)ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Butylbenzylphthalate	12.5 ppm
							Carbazole	12.5 ppm
							Chrysene	12.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	12.5 ppm
							Di-n-octyl phthalate	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethyl phthalate	12.5 ppm
							Dimethyl phthalate	12.5 ppm
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm
							Hexachlorobenzene	12.5 ppm
							Hexachlorobutadiene	12.5 ppm
							Hexachlorocyclopentadiene	12.5 ppm
							Hexachloroethane	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							Isophorone	12.5 ppm
							N-Nitrosodi-n-propylamine	12.5 ppm
							N-Nitrosodimethylamine	12.5 ppm
							N-Nitrosodiphenylamine	10.625 ppm
							Naphthalene	12.5 ppm
							Nitrobenzene	12.5 ppm
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							Pyridine	25 ppm
							3,3'-Dichlorobenzidine	12.5 ppm
							Benzidine	37.5 ppm
					MSS_BAS_WS_00018	250 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_RV8270_IS_00107	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00025	10/09/25	04/09/25	MeCl2, Lot 65010	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Methylphenol (and/or 3-Methylphenol)	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis(1-chloroispropyl)ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26		Sigma- Aldrich, Lot LRAD7196		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25		Restek, Lot 0006819172		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25		Restek, Lot A0216029		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Methylphenol (and/or 3-Methylphenol)	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis(1-chloroispropyl)ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_RV8270_IS_00107	11/02/25	05/02/25	MeCl2, Lot 64327	10 mL	MSS_FV8270_IS_00006	2500 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00065	07/31/25	05/06/25	MeCl2, Lot 65024	2 mL	MSS_8270_WS_00026	100 uL	Dinitrotoluene	25 ppm
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	OP_RES_LCS1_00022	2500 uL	Dinitrotoluene	500 ppm
..OP_RES_LCS1_00022	07/31/25		Restek, Lot A0216029		(Purchased Reagent)		Dinitrotoluene	2000 ug/mL
MSS_RV8270_6_00066	07/31/25	06/04/25	MeCl2, Lot 65024	2 mL	MSS_RV8270_IS_00109	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_RV8270_IS_00109	11/27/25	05/27/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00066	07/31/25	06/04/25	MeCl2, Lot 65024	2 mL	MSS_8270_APWS_00025	100 uL	Benzidine	37.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	12.5 ppm
							Dibenz[a,h]acridine	12.5 ppm
							Pentachloronitrobenzene	12.5 ppm
							Methyl methanesulfonate	12.5 ppm
							6-Methylchrysene	12.5 ppm
							Dimethoate	12.5 ppm
							Disulfoton	12.5 ppm
							Phorate	12.5 ppm
							Sulfotepp	12.5 ppm
					MSS_8270_WS_00026	100 uL	2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm
							Dibenz[a,j]acridine	12.5 ppm
							1,1'-Biphenyl	12.5 ppm
							1,2-Diphenylhydrazine	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dimethylphenol	12.5 ppm
							2,4-Dinitrophenol	25 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Methylphenol	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							3-Nitroaniline	12.5 ppm
							4,6-Dinitro-2-methylphenol	25 ppm
							4-Bromophenyl-phenylether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chloroaniline	12.5 ppm
							4-Chlorophenyl-phenyl ether	12.5 ppm
							4-Methylphenol (and/or 3-Methylphenol)	12.5 ppm
							4-Nitroaniline	12.5 ppm
							4-Nitrophenol	25 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Acetophenone	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							bis(1-chloroispropyl)ether	12.5 ppm
							Bis(2-chloroethoxy)methane	12.5 ppm
							Bis(2-chloroethyl)ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Butylbenzylphthalate	12.5 ppm
							Carbazole	12.5 ppm
							Chrysene	12.5 ppm
							Di-n-butyl phthalate	12.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethyl phthalate	12.5 ppm
							Dimethyl phthalate	12.5 ppm
							Dinitrotoluene	25 ppm
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm
							Hexachlorobenzene	12.5 ppm
							Hexachlorobutadiene	12.5 ppm
							Hexachlorocyclopentadiene	12.5 ppm
							Hexachloroethane	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							Isophorone	12.5 ppm
							N-Nitrosodi-n-propylamine	12.5 ppm
							N-Nitrosodiphenylamine	10.625 ppm
							Naphthalene	12.5 ppm
							Nitrobenzene	12.5 ppm
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							Pyridine	25 ppm
							3,3'-Dichlorobenzidine	12.5 ppm
							Benzidine	37.5 ppm
					MSS_BAS_WS_00018	250 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
.MSS_8270_APWS_00025	10/09/25	04/09/25	MeCl2, Lot 65010	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	1250 uL	4,4'-Methylene bis(2-chloroaniline)	250 ppm
							Dibenz[a,h]acridine	250 ppm
							Pentachloronitrobenzene	250 ppm
					OP_RES_APPX2_00018	1250 uL	Methyl methanesulfonate	250 ppm
					OP_RES_APPX3_00013	625 uL	6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	1250 uL	Dimethoate	250 ppm
							Disulfoton	250 ppm
							Phorate	250 ppm
							Sulfotepp	250 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		Methyl methanesulfonate	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		Dimethoate	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Disulfoton	1000 ug/mL
							Phorate	1000 ug/mL
							Sulfotepp	1000 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Methylphenol (and/or 3-Methylphenol)	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							bis(1-chloroispropyl)ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Dinitrotoluene	500 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Methylphenol (and/or 3-Methylphenol)	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							bis(1-chloroispropyl)ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Dinitrotoluene	2000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
MSS_RV8270_7_00043	06/23/25	03/27/25	MeCl2, Lot 64327	2 mL	MSS_8270_APWS_00024	160 uL	Benzidine	60 ppm
							1,3,5-Trinitrobenzene	20 ppm
							1,4-Dinitrobenzene	20 ppm
							1-Naphthylamine	20 ppm
							2-Acetylaminofluorene	20 ppm
							2-Naphthylamine	20 ppm
							2-Picoline	20 ppm
							2-Toluidine	20 ppm
							3,3'-Dimethylbenzidine	20 ppm
							4,4'-Methylene bis(2-chloroaniline)	20 ppm
							4-Aminobiphenyl	20 ppm
							4-Nitroquinoline-1-oxide	20 ppm
							Dibenz[a,h]acridine	20 ppm
							N-Nitro-o-toluidine	20 ppm
							N-Nitrosodi-n-butylamine	20 ppm
							N-Nitrosodiethylamine	20 ppm
							N-Nitrosomethylethylamine	20 ppm
							N-Nitrosomorpholine	20 ppm
							N-Nitrosopiperidine	20 ppm
							N-Nitrosopyrrolidine	20 ppm
							p-Dimethylamino azobenzene	20 ppm
							p-Phenylene diamine	20 ppm
							Pentachloronitrobenzene	20 ppm
							Phenacetin	20 ppm
							Pronamide	20 ppm
							Quinoline	20 ppm
							1,4-Naphthoquinone	20 ppm
							1-Chloronaphthalene	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							7,12-Dimethylbenz(a)anthracene	20 ppm
							Chlorobenzilate	20 ppm
							Dinoseb	20 ppm
							Ethyl methanesulfonate	20 ppm
							Hexachloropropene	20 ppm
							Isodrin	20 ppm
							Isosafrole Peak 1	3.2 ppm
							Isosafrole Peak 2	16.8 ppm
							Methyl methanesulfonate	20 ppm
							Pentachlorobenzene	20 ppm
							3-Methylcholanthrene	20 ppm
							6-Methylchrysene	20 ppm
							cis-Diallate	14.8 ppm
							Dimethoate	20 ppm
							Disulfoton	20 ppm
							Ethyl Parathion	20 ppm
							Famphur	20 ppm
							Methyl parathion	20 ppm
							o,o',o''-Triethylphosphorothioate	20 ppm
							Phorate	20 ppm
							Safrole, Total	20 ppm
							Sulfotepp	20 ppm
							Thionazin	20 ppm
							trans-Diallate	5.2 ppm
					MSS_8270_WS_00026	160 uL	2,4,6-Tribromophenol (Surr)	40 ppm
							2-Fluorobiphenyl (Surr)	40 ppm
							2-Fluorophenol (Surr)	40 ppm
							Nitrobenzene-d5 (Surr)	40 ppm
							p-Terphenyl-d14 (Surr)	40 ppm
							Phenol-d5 (Surr)	40 ppm
							Alpha-Terpineol	20 ppm
							Dimethylformamide	20 ppm
							Octachlorostyrene	20 ppm
							Phenyl ether	20 ppm
							Dibenz[a,j]acridine	20 ppm
							1,1'-Biphenyl	20 ppm
							1,2,4,5-Tetrachlorobenzene	20 ppm
							1,2,4-Trichlorobenzene	20 ppm
							1,2-Dichlorobenzene	20 ppm
							1,2-Diphenylhydrazine	20 ppm
							1,3-Dichlorobenzene	20 ppm
							1,3-Dinitrobenzene	20 ppm
							1,4-Dichlorobenzene	20 ppm
							1,4-Dioxane	20 ppm
							1-Methylnaphthalene	20 ppm
							2,3,4,6-Tetrachlorophenol	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	20 ppm
							2,4,6-Trichlorophenol	20 ppm
							2,4-Dichlorophenol	20 ppm
							2,4-Dimethylphenol	20 ppm
							2,4-Dinitrophenol	40 ppm
							2,4-Dinitrotoluene	20 ppm
							2,6-Dichlorophenol	20 ppm
							2,6-Dinitrotoluene	20 ppm
							2-Chloronaphthalene	20 ppm
							2-Chlorophenol	20 ppm
							2-Methylnaphthalene	20 ppm
							2-Methylphenol	20 ppm
							2-Nitroaniline	20 ppm
							2-Nitrophenol	20 ppm
							3-Nitroaniline	20 ppm
							4,6-Dinitro-2-methylphenol	40 ppm
							4-Bromophenyl-phenylether	20 ppm
							4-Chloro-3-methylphenol	20 ppm
							4-Chloroaniline	20 ppm
							4-Chlorophenyl-phenyl ether	20 ppm
							4-Methylphenol (and/or 3-Methylphenol)	20 ppm
							4-Nitroaniline	20 ppm
							4-Nitrophenol	40 ppm
							Acenaphthene	20 ppm
							Acenaphthylene	20 ppm
							Acetophenone	20 ppm
							Aniline	20 ppm
							Anthracene	20 ppm
							Benzo[a]anthracene	20 ppm
							Benzo[a]pyrene	20 ppm
							Benzo[b]fluoranthene	20 ppm
							Benzo[g,h,i]perylene	20 ppm
							Benzo[k]fluoranthene	20 ppm
							Benzyl alcohol	20 ppm
							bis(1-chloroispropyl)ether	20 ppm
							Bis(2-chloroethoxy)methane	20 ppm
							Bis(2-chloroethyl)ether	20 ppm
							Bis(2-ethylhexyl) phthalate	20 ppm
							Butylbenzylphthalate	20 ppm
							Carbazole	20 ppm
							Chrysene	20 ppm
							Di-n-butyl phthalate	20 ppm
							Di-n-octyl phthalate	20 ppm
							Dibenz(a,h)anthracene	20 ppm
							Dibenzofuran	20 ppm
							Diethyl phthalate	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	20 ppm
							Fluoranthene	20 ppm
							Fluorene	20 ppm
							Hexachlorobenzene	20 ppm
							Hexachlorobutadiene	20 ppm
							Hexachlorocyclopentadiene	20 ppm
							Hexachloroethane	20 ppm
							Indeno[1,2,3-cd]pyrene	20 ppm
							Isophorone	20 ppm
							N-Nitrosodi-n-propylamine	20 ppm
							N-Nitrosodimethylamine	20 ppm
							N-Nitrosodiphenylamine	17 ppm
							Naphthalene	20 ppm
							Nitrobenzene	20 ppm
							Pentachlorophenol	40 ppm
							Phenanthrene	20 ppm
							Phenol	20 ppm
							Pyrene	20 ppm
							Pyridine	40 ppm
							3,3'-Dichlorobenzidine	20 ppm
							Benzidine	60 ppm
					MSS_BAS_WS_00018	400 uL	Atrazine	20 ppm
							Benzaldehyde	20 ppm
							Caprolactam	20 ppm
					MSS_RV8270_IS_00104	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Methylphenol (and/or 3-Methylphenol)	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis(1-chloroispropyl)ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26		Sigma- Aldrich, Lot LRAD7196		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25		Restek, Lot 0006819172		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25		Restek, Lot A0216029		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Methylphenol (and/or 3-Methylphenol)	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis(1-chloroispropyl)ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00104	09/20/25	03/21/25	MeCl2, Lot 64327	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_8_00042	06/23/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_8270_APWS_00024	240 uL	Benzidine	90 ppm
							1,3,5-Trinitrobenzene	30 ppm
							1,4-Dinitrobenzene	30 ppm
							1-Naphthylamine	30 ppm
							2-Acetylaminofluorene	30 ppm
							2-Naphthylamine	30 ppm
							2-Picoline	30 ppm
							2-Toluidine	30 ppm
							3,3'-Dimethylbenzidine	30 ppm
							4,4'-Methylene bis(2-chloroaniline)	30 ppm
							4-Aminobiphenyl	30 ppm
							4-Nitroquinoline-1-oxide	30 ppm
							Dibenz[a,h]acridine	30 ppm
							N-Nitro-o-toluidine	30 ppm
							N-Nitrosodi-n-butylamine	30 ppm
							N-Nitrosodiethylamine	30 ppm
							N-Nitrosomethylethylamine	30 ppm
							N-Nitrosomorpholine	30 ppm
							N-Nitrosopiperidine	30 ppm
							N-Nitrosopyrrolidine	30 ppm
							p-Dimethylamino azobenzene	30 ppm
							p-Phenylene diamine	30 ppm
							Pentachloronitrobenzene	30 ppm
							Phenacetin	30 ppm
							Pronamide	30 ppm
							Quinoline	30 ppm
							1,4-Naphthoquinone	30 ppm
							1-Chloronaphthalene	30 ppm
							7,12-Dimethylbenz(a)anthracene	30 ppm
							Chlorobenzilate	30 ppm
							Dinoseb	30 ppm
							Ethyl methanesulfonate	30 ppm
							Hexachloropropene	30 ppm
							Isodrin	30 ppm
							Isosafrole Peak 1	4.8 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 2	25.2 ppm
							Methyl methanesulfonate	30 ppm
							Pentachlorobenzene	30 ppm
							3-Methylcholanthrene	30 ppm
							6-Methylchrysene	30 ppm
							cis-Diallate	22.2 ppm
							Dimethoate	30 ppm
							Disulfoton	30 ppm
							Ethyl Parathion	30 ppm
							Famphur	30 ppm
							Methyl parathion	30 ppm
							o,o',o''-Triethylphosphorothioate	30 ppm
							Phorate	30 ppm
							Safrole, Total	30 ppm
							Sulfotepp	30 ppm
							Thionazin	30 ppm
							trans-Diallate	7.8 ppm
					MSS_8270_WS_00026	240 uL	2,4,6-Tribromophenol (Surr)	60 ppm
							2-Fluorobiphenyl (Surr)	60 ppm
							2-Fluorophenol (Surr)	60 ppm
							Nitrobenzene-d5 (Surr)	60 ppm
							p-Terphenyl-d14 (Surr)	60 ppm
							Phenol-d5 (Surr)	60 ppm
							Alpha-Terpineol	30 ppm
							Dimethylformamide	30 ppm
							Octachlorostyrene	30 ppm
							Phenyl ether	30 ppm
							Dibenz[a,j]acridine	30 ppm
							1,1'-Biphenyl	30 ppm
							1,2,4,5-Tetrachlorobenzene	30 ppm
							1,2,4-Trichlorobenzene	30 ppm
							1,2-Dichlorobenzene	30 ppm
							1,2-Diphenylhydrazine	30 ppm
							1,3-Dichlorobenzene	30 ppm
							1,3-Dinitrobenzene	30 ppm
							1,4-Dichlorobenzene	30 ppm
							1,4-Dioxane	30 ppm
							1-Methylnaphthalene	30 ppm
							2,3,4,6-Tetrachlorophenol	30 ppm
							2,4,5-Trichlorophenol	30 ppm
							2,4,6-Trichlorophenol	30 ppm
							2,4-Dichlorophenol	30 ppm
							2,4-Dimethylphenol	30 ppm
							2,4-Dinitrophenol	60 ppm
							2,4-Dinitrotoluene	30 ppm
							2,6-Dichlorophenol	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	30 ppm
							2-Chloronaphthalene	30 ppm
							2-Chlorophenol	30 ppm
							2-Methylnaphthalene	30 ppm
							2-Methylphenol	30 ppm
							2-Nitroaniline	30 ppm
							2-Nitrophenol	30 ppm
							3-Nitroaniline	30 ppm
							4,6-Dinitro-2-methylphenol	60 ppm
							4-Bromophenyl-phenylether	30 ppm
							4-Chloro-3-methylphenol	30 ppm
							4-Chloroaniline	30 ppm
							4-Chlorophenyl-phenyl ether	30 ppm
							4-Methylphenol (and/or 3-Methylphenol)	30 ppm
							4-Nitroaniline	30 ppm
							4-Nitrophenol	60 ppm
							Acenaphthene	30 ppm
							Acenaphthylene	30 ppm
							Acetophenone	30 ppm
							Aniline	30 ppm
							Anthracene	30 ppm
							Benzo[a]anthracene	30 ppm
							Benzo[a]pyrene	30 ppm
							Benzo[b]fluoranthene	30 ppm
							Benzo[g,h,i]perylene	30 ppm
							Benzo[k]fluoranthene	30 ppm
							Benzyl alcohol	30 ppm
							bis(1-chloroispropyl)ether	30 ppm
							Bis(2-chloroethoxy)methane	30 ppm
							Bis(2-chloroethyl)ether	30 ppm
							Bis(2-ethylhexyl) phthalate	30 ppm
							Butylbenzylphthalate	30 ppm
							Carbazole	30 ppm
							Chrysene	30 ppm
							Di-n-butyl phthalate	30 ppm
							Di-n-octyl phthalate	30 ppm
							Dibenz(a,h)anthracene	30 ppm
							Dibenzofuran	30 ppm
							Diethyl phthalate	30 ppm
							Dimethyl phthalate	30 ppm
							Fluoranthene	30 ppm
							Fluorene	30 ppm
							Hexachlorobenzene	30 ppm
							Hexachlorobutadiene	30 ppm
							Hexachlorocyclopentadiene	30 ppm
							Hexachloroethane	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	30 ppm
							Isophorone	30 ppm
							N-Nitrosodi-n-propylamine	30 ppm
							N-Nitrosodimethylamine	30 ppm
							N-Nitrosodiphenylamine	25.5 ppm
							Naphthalene	30 ppm
							Nitrobenzene	30 ppm
							Pentachlorophenol	60 ppm
							Phenanthrene	30 ppm
							Phenol	30 ppm
							Pyrene	30 ppm
							Pyridine	60 ppm
							3,3'-Dichlorobenzidine	30 ppm
							Benzidine	90 ppm
					MSS_BAS_WS_00017	600 uL	Atrazine	30 ppm
							Benzaldehyde	30 ppm
							Caprolactam	30 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Methylphenol (and/or 3-Methylphenol)	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							bis(1-chloroispropyl)ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butylbenzylphthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Methylphenol (and/or 3-Methylphenol)	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis(1-chloroispropyl)ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00017	06/23/25	12/23/24	MeCl2, Lot 64299	5 mL	OP_LCSmix2stk_00009	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00009	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_IS_00107	11/02/25	05/02/25	MeCl2, Lot 64327	10 mL	MSS_FV8270_IS_00006	2500 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
.MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_IS_00108	11/09/25	05/09/25	MeCl2, Lot 65024	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
.MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_IS_00109	11/27/25	05/27/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
.MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270ICV_00037	08/31/25	05/01/25	MeCl2, Lot 64327	2 mL	MSS_FV8270ICV_00044	500 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_FV8270ICV_00044	08/31/25	05/01/25	MeCl2, Lot 64327	5 mL	MSS_FV8270_IS_00007	100 uL	1,4-Dichlorobenzene-d4	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_FV8270_IS_00007	01/31/28		Restek, Lot A0221275		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270ICV_00037	08/31/25	05/01/25	MeCl2, Lot 64327	2 mL	MS_BASICVstk_00006	12.5 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_FV8270ICV_00044	500 uL	1,1'-Biphenyl	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dimethylphenol	12.5 ppm
							2,4-Dinitrophenol	25 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Methylphenol	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							3-Nitroaniline	12.5 ppm
							4,6-Dinitro-2-methylphenol	25 ppm
							4-Bromophenyl-phenylether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chloroaniline	12.5 ppm
							4-Chlorophenyl-phenyl ether	12.5 ppm
							4-Methylphenol (and/or 3-Methylphenol)	12.5 ppm
							4-Nitroaniline	12.5 ppm
							4-Nitrophenol	25 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Acetophenone	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							bis(1-chloroispropyl)ether	12.5 ppm
							Bis(2-chloroethoxy)methane	12.5 ppm
							Bis(2-chloroethyl)ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Butylbenzylphthalate	12.5 ppm
							Carbazole	12.5 ppm
							Chrysene	12.5 ppm
							Di-n-butyl phthalate	12.5 ppm
							Di-n-octyl phthalate	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethyl phthalate	12.5 ppm
							Dimethyl phthalate	12.5 ppm
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm
							Hexachlorobenzene	12.5 ppm
							Hexachlorobutadiene	12.5 ppm
							Hexachlorocyclopentadiene	12.5 ppm
							Hexachloroethane	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							Isophorone	12.5 ppm
							N-Nitrosodi-n-propylamine	12.5 ppm
							N-Nitrosodiphenylamine	10.625 ppm
							Naphthalene	12.5 ppm
							Nitrobenzene	12.5 ppm
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							Pyridine	25 ppm
							3,3'-Dichlorobenzidine	12.5 ppm
							Benzidine	12.5 ppm
							1,4-Dinitrobenzene	12.5 ppm
							2-Naphthylamine	12.5 ppm
							3,3'-Dimethylbenzidine	12.5 ppm
							4-Nitroquinoline-1-oxide	12.5 ppm
							Dibenz[a,h]acridine	12.5 ppm
							N-Nitro-o-toluidine	12.5 ppm
							N-Nitrosopyrrolidine	12.5 ppm
							p-Dimethylamino azobenzene	12.5 ppm
							Phenacetin	12.5 ppm
							Pronamide	12.5 ppm
							1,4-Naphthoquinone	12.5 ppm
							1-Chloronaphthalene	12.5 ppm
							7,12-Dimethylbenz(a)anthracene	12.5 ppm
							Chlorobenzilate	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methanesulfonate	12.5 ppm
							Aramite Peak 1	1.25 ppm
							Aramite Peak 2	1.25 ppm
							Aramite, Total	12.5 ppm
							Diallate	12.5 ppm
							Dimethoate	12.5 ppm
							Disulfoton	12.5 ppm
							Ethyl Parathion	12.5 ppm
							Famphur	12.5 ppm
							Methyl parathion	12.5 ppm
							Sulfotepp	12.5 ppm
.MS_BASICVstk_00006	03/31/26		Restek, Lot A0216037		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_FV8270ICV_00044	08/31/25	05/01/25	MeCl2, Lot 64327	5 mL	MS_RES_ICV1_00010	250 uL	1,1'-Biphenyl	50 ppm
							2,4,5-Trichlorophenol	50 ppm
							2,4,6-Trichlorophenol	50 ppm
							2,4-Dichlorophenol	50 ppm
							2,4-Dimethylphenol	50 ppm
							2,4-Dinitrophenol	100 ppm
							2,4-Dinitrotoluene	50 ppm
							2,6-Dinitrotoluene	50 ppm
							2-Chloronaphthalene	50 ppm
							2-Chlorophenol	50 ppm
							2-Methylnaphthalene	50 ppm
							2-Methylphenol	50 ppm
							2-Nitroaniline	50 ppm
							2-Nitrophenol	50 ppm
							3-Nitroaniline	50 ppm
							4,6-Dinitro-2-methylphenol	100 ppm
							4-Bromophenyl-phenylether	50 ppm
							4-Chloro-3-methylphenol	50 ppm
							4-Chloroaniline	50 ppm
							4-Chlorophenyl-phenyl ether	50 ppm
							4-Methylphenol (and/or 3-Methylphenol)	50 ppm
							4-Nitroaniline	50 ppm
							4-Nitrophenol	100 ppm
							Acenaphthene	50 ppm
							Acenaphthylene	50 ppm
							Acetophenone	50 ppm
							Anthracene	50 ppm
							Benzo[a]anthracene	50 ppm
							Benzo[a]pyrene	50 ppm
							Benzo[b]fluoranthene	50 ppm
							Benzo[g,h,i]perylene	50 ppm
							Benzo[k]fluoranthene	50 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							bis(1-chloroispropyl)ether	50 ppm
							Bis(2-chloroethoxy)methane	50 ppm
							Bis(2-chloroethyl)ether	50 ppm
							Bis(2-ethylhexyl) phthalate	50 ppm
							Butylbenzylphthalate	50 ppm
							Carbazole	50 ppm
							Chrysene	50 ppm
							Di-n-butyl phthalate	50 ppm
							Di-n-octyl phthalate	50 ppm
							Dibenz(a,h)anthracene	50 ppm
							Dibenzofuran	50 ppm
							Diethyl phthalate	50 ppm
							Dimethyl phthalate	50 ppm
							Fluoranthene	50 ppm
							Fluorene	50 ppm
							Hexachlorobenzene	50 ppm
							Hexachlorobutadiene	50 ppm
							Hexachlorocyclopentadiene	50 ppm
							Hexachloroethane	50 ppm
							Indeno[1,2,3-cd]pyrene	50 ppm
							Isophorone	50 ppm
							N-Nitrosodi-n-propylamine	50 ppm
							N-Nitrosodiphenylamine	42.5 ppm
							Naphthalene	50 ppm
							Nitrobenzene	50 ppm
							Pentachlorophenol	100 ppm
							Phenanthrene	50 ppm
							Phenol	50 ppm
							Pyrene	50 ppm
							Pyridine	100 ppm
					MS_RES_ICV2_00007	125 uL	3,3'-Dichlorobenzidine	50 ppm
							Benzidine	50 ppm
					MS_RES_ICV4_00009	250 uL	1,4-Dinitrobenzene	50 ppm
							2-Naphthylamine	50 ppm
							3,3'-Dimethylbenzidine	50 ppm
							4-Nitroquinoline-1-oxide	50 ppm
							Dibenz[a,h]acridine	50 ppm
							N-Nitro-o-toluidine	50 ppm
							N-Nitrosopyrrolidine	50 ppm
							p-Dimethylamino azobenzene	50 ppm
							Phenacetin	50 ppm
							Pronamide	50 ppm
					MS_RES_ICV5_00014	250 uL	1,4-Naphthoquinone	50 ppm
							1-Chloronaphthalene	50 ppm
							7,12-Dimethylbenz(a)anthracene	50 ppm
							Chlorobenzilate	50 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methanesulfonate	50 ppm
					MS_RES_ICV7_00006	250 uL	Aramite Peak 1	5 ppm
							Aramite Peak 2	5 ppm
							Aramite, Total	50 ppm
							Diallate	50 ppm
							Dimethoate	50 ppm
							Disulfoton	50 ppm
							Ethyl Parathion	50 ppm
							Famphur	50 ppm
							Methyl parathion	50 ppm
							Sulfotepp	50 ppm
..MS_RES_ICV1_00010	10/31/25		Restek, Lot A0219885		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Methylphenol (and/or 3-Methylphenol)	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							bis(1-chloroispropyl)ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..MS_RES_ICV2_00007	10/31/25		Restek, Lot A0224696		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS_RES_ICV4_00009	08/31/25		Restek, Lot A0214847		(Purchased Reagent)		1,4-Dinitrobenzene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS_RES_ICV5_00014	08/31/25		Restek, Lot A0215414		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
..MS_RES_ICV7_00006	07/31/26		Restek, Lot A0214408		(Purchased Reagent)		Aramite Peak 1	100 ug/mL
							Aramite Peak 2	100 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aramite, Total	1000 ug/mL
							Diallate	1000 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							Sulfotepp	1000 ug/mL
MSS_RVABC_3_00016	04/18/25	11/04/24	MeCl2, Lot 64264	2 mL	MSS_AB_FAMPHU_00008	2.5 uL	Famphur	1.25 ug/mL
					MSS_AB_KEPONE_00005	25 uL	Kepone	12.5 ug/mL
					MSS_AB_METH_00006	2.5 uL	Methapyrilene	1.25 ug/mL
					MSS_RV8270_IS_00094	40 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_KEPONE_00005	01/18/26		Absolute, Lot 011821		(Purchased Reagent)		Kepone	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00094	04/18/25	10/18/24	MeCl2, Lot 64180	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVABC_3_00017	11/09/25	05/22/25	MeCl2, Lot 65059	2 mL	MSS_AB_FAMPHU_00008	2.5 uL	Famphur	1.25 ug/mL
					MSS_AB_METH_00006	2.5 uL	Methapyrilene	1.25 ug/mL
					MSS_RV8270_IS_00108	40 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
					OP_KEPONE_STK_00002	25 uL	Kepone	12.4125 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00108	11/09/25	05/09/25	MeCl2, Lot 65024	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.OP_KEPONE_STK_00002	08/21/27		AccuStandard, Lot 224081365		(Purchased Reagent)		Kepone	993 ug/mL
MSS_RVABC_4_00013	04/18/25	11/04/24	MeCl2, Lot 64264	2 mL	MSS_AB_FAMPHU_00008	7.5 uL	Famphur	3.75 ug/mL
					MSS_AB_KEPONE_00005	50 uL	Kepone	25 ug/mL
					MSS_AB_METH_00006	7.5 uL	Methapyrilene	3.75 ug/mL
					MSS_RV8270_IS_00094	40 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_KEPONE_00005	01/18/26		Absolute, Lot 011821		(Purchased Reagent)		Kepone	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00094	04/18/25	10/18/24	MeCl2, Lot 64180	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVABC_4_00014	11/09/25	05/22/25	MeCl2, Lot 65059	2 mL	MSS_AB_FAMPHU_00008	7.5 uL	Famphur	3.75 ug/mL
					MSS_AB_METH_00006	7.5 uL	Methapyrilene	3.75 ug/mL
					MSS_RV8270_IS_00108	40 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
					OP_KEPONE_STK_00002	50 uL	Kepone	24.825 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00108	11/09/25	05/09/25	MeCl2, Lot 65024	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.OP_KEPONE_STK_00002	08/21/27		AccuStandard, Lot 224081365		(Purchased Reagent)		Kepone	993 ug/mL
MSS_RVABC_5_00013	04/18/25	11/04/24	MeCl2, Lot 64264	1 mL	MSS_AB_FAMPHU_00008	7.5 uL	Famphur	7.5 ug/mL
					MSS_AB_KEPONE_00005	40 uL	Kepone	40 ug/mL
					MSS_AB_METH_00006	7.5 uL	Methapyrilene	7.5 ug/mL
					MSS_RV8270_IS_00094	20 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_KEPONE_00005	01/18/26		Absolute, Lot 011821		(Purchased Reagent)		Kepone	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00094	04/18/25	10/18/24	MeCl2, Lot 64180	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVABC_5_00014	11/09/25	05/22/25	MeCl2, Lot 65059	1 mL	MSS_AB_FAMPHU_00008	7.5 uL	Famphur	7.5 ug/mL
					MSS_AB_METH_00006	7.5 uL	Methapyrilene	7.5 ug/mL
					MSS_RV8270_IS_00108	20 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
					OP_KEPONE_STK_00002	40 uL	Kepone	39.72 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00108	11/09/25	05/09/25	MeCl2, Lot 65024	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.OP_KEPONE_STK_00002	08/21/27		AccuStandard, Lot 224081365		(Purchased Reagent)		Kepone	993 ug/mL
MSS_RVABC_6_00020	04/18/25	11/04/24	MeCl2, Lot 64264	2 mL	MSS_AB_FAMPHU_00008	25 uL	Famphur	12.5 ug/mL
					MSS_AB_KEPONE_00005	120 uL	Kepone	60 ug/mL
					MSS_AB_METH_00006	25 uL	Methapyrilene	12.5 ug/mL
					MSS_RV8270_IS_00094	40 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_KEPONE_00005	01/18/26		Absolute, Lot 011821		(Purchased Reagent)		Kepone	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00094	04/18/25	10/18/24	MeCl2, Lot 64180	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVABC_6_00023	11/09/25	05/22/25	MeCl2, Lot 65059	2 mL	MSS_AB_FAMPHU_00008	25 uL	Famphur	12.5 ug/mL
					MSS_AB_METH_00006	25 uL	Methapyrilene	12.5 ug/mL
					MSS_RV8270_IS_00108	40 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					OP_KEPONE_STK_00002	120 uL	Kepone	59.58 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00108	11/09/25	05/09/25	MeCl2, Lot 65024	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.OP_KEPONE_STK_00002	08/21/27		AccuStandard, Lot 224081365		(Purchased Reagent)		Kepone	993 ug/mL
MSS_RVABC_7_00014	04/18/25	11/04/24	MeCl2, Lot 64264	1 mL	MSS_AB_FAMPHU_00008	20 uL	Famphur	20 ug/mL
					MSS_AB_KEPONE_00005	80 uL	Kepone	80 ug/mL
					MSS_AB_METH_00006	20 uL	Methapyrilene	20 ug/mL
					MSS_RV8270_IS_00094	20 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_KEPONE_00005	01/18/26		Absolute, Lot 011821		(Purchased Reagent)		Kepone	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00094	04/18/25	10/18/24	MeCl2, Lot 64180	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVABC_7_00015	11/09/25	05/22/25	MeCl2, Lot 65059	1 mL	MSS_AB_FAMPHU_00008	20 uL	Famphur	20 ug/mL
					MSS_AB_METH_00006	20 uL	Methapyrilene	20 ug/mL
					MSS_RV8270_IS_00108	20 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
					OP_KEPONE_STK_00002	80 uL	Kepone	79.44 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00108	11/09/25	05/09/25	MeCl2, Lot 65024	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.OP_KEPONE_STK_00002	08/21/27		AccuStandard, Lot 224081365		(Purchased Reagent)		Kepone	993 ug/mL
MSS_RVABC_8_00015	04/18/25	11/04/24	MeCl2, Lot 64264	1 mL	MSS_AB_FAMPHU_00008	30 uL	Famphur	30 ug/mL
					MSS_AB_KEPONE_00005	100 uL	Kepone	100 ug/mL
					MSS_AB_METH_00006	30 uL	Methapyrilene	30 ug/mL
					MSS_RV8270_IS_00094	20 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_KEPONE_00005	01/18/26		Absolute, Lot 011821		(Purchased Reagent)		Kepone	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00094	04/18/25	10/18/24	MeCl2, Lot 64180	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVABC_8_00016	11/09/25	05/22/25	MeCl2, Lot 65059	1 mL	MSS_AB_FAMPHU_00008	30 uL	Famphur	30 ug/mL
					MSS_AB_METH_00006	30 uL	Methapyrilene	30 ug/mL
					MSS_RV8270_IS_00108	20 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
					OP_KEPONE_STK_00002	100 uL	Kepone	99.3 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00108	11/09/25	05/09/25	MeCl2, Lot 65024	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.OP_KEPONE_STK_00002	08/21/27		AccuStandard, Lot 224081365		(Purchased Reagent)		Kepone	993 ug/mL
MSS_RVBENZ_3_00015	05/24/25	12/02/24	MeCl2, Lot 64264	1 mL	MSS_AB_BENZ_00008	1.25 uL	Phenylmercaptan	1.25 ppm
					MSS_RV8270_IS_00096	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_AB_BENZ_00008	02/14/26		Absolute, Lot 021423		(Purchased Reagent)		Phenylmercaptan	1000 ug/mL
.MSS_RV8270_IS_00096	05/24/25	11/24/24	MeCl2, Lot 64264	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVBENZ_4_00015	05/24/25	12/02/24	MeCl2, Lot 64264	1 mL	MSS_AB_BENZ_00008	3.75 uL	Phenylmercaptan	3.75 ppm
					MSS_RV8270_IS_00096	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene-d10 (IS)	5 ppm
.MSS_AB_BENZ_00008	02/14/26		Absolute, Lot 021423		(Purchased Reagent)		Phenylmercaptan	1000 ug/mL
.MSS_RV8270_IS_00096	05/24/25	11/24/24	MeCl2, Lot 64264	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVBENZ_5_00016	05/24/25	12/02/24	MeCl2, Lot 64264	1 mL	MSS_AB_BENZ_00008	7.5 uL	Phenylmercaptan	7.5 ppm
					MSS_RV8270_IS_00096	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_AB_BENZ_00008	02/14/26		Absolute, Lot 021423		(Purchased Reagent)		Phenylmercaptan	1000 ug/mL
.MSS_RV8270_IS_00096	05/24/25	11/24/24	MeCl2, Lot 64264	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVBENZ_6_00018	05/24/25	12/02/24	MeCl2, Lot 64264	1 mL	MSS_AB_BENZ_00008	12.5 uL	Phenylmercaptan	12.5 ppm
					MSS_RV8270_IS_00096	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_AB_BENZ_00008	02/14/26		Absolute, Lot 021423		(Purchased Reagent)		Phenylmercaptan	1000 ug/mL
.MSS_RV8270_IS_00096	05/24/25	11/24/24	MeCl2, Lot 64264	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVBENZ_7_00015	05/24/25	12/02/24	MeCl2, Lot 64264	1 mL	MSS_AB_BENZ_00008	20 uL	Phenylmercaptan	20 ppm
					MSS_RV8270_IS_00096	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_AB_BENZ_00008	02/14/26		Absolute, Lot 021423		(Purchased Reagent)		Phenylmercaptan	1000 ug/mL
.MSS_RV8270_IS_00096	05/24/25	11/24/24	MeCl2, Lot 64264	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVBENZ_8_00017	05/24/25	12/02/24	MeCl2, Lot 64264	1 mL	MSS_AB_BENZ_00008	30 uL	Phenylmercaptan	30 ppm
					MSS_RV8270_IS_00096	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_AB_BENZ_00008	02/14/26		Absolute, Lot 021423		(Purchased Reagent)		Phenylmercaptan	1000 ug/mL
.MSS_RV8270_IS_00096	05/24/25	11/24/24	MeCl2, Lot 64264	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_rvBENZICV_00016	05/24/25	12/02/24	MeCl2, Lot 64264	2 mL	OP_LCS6_STK_00013	12.5 uL	Phenylmercaptan	12.5 ppm
.OP_LCS6_STK_00013	07/31/25		RESTEK, Lot A0213854		(Purchased Reagent)		Phenylmercaptan	2000 ug/mL
MSS_RVDFTPP_00017							3 & 4 Methylphenol	
							4,4'-DDD	
							4,4'-DDE	
							4-Nitro-4'-chlorodiphenylsulph oxide	
							Aramite, Total	
							Diallate	
							Diphenylamine	
							Isosafrole	
							m&p-Methylphenol	
							Total Cresols	
					MSS_AB_DFTPP_00016	625 uL	4,4'-DDT	12.5 ppm
							Benzidine_T	12.5 ppm
							DFTPP	12.5 ppm
							Pentachlorophenol_T	12.5 ppm
.MSS_AB_DFTPP_00016	07/20/25		Absolute, Lot 072022		(Purchased Reagent)		4,4'-DDT	500 ug/mL
							Benzidine_T	500 ug/mL
							DFTPP	500 ug/mL
							Pentachlorophenol_T	500 ug/mL
MSS_RVDFTPP_00018							3 & 4 Methylphenol	
							4,4'-DDD	
							4,4'-DDE	
							4-Nitro-4'-chlorodiphenylsulph oxide	
							Aramite, Total	
							Diallate	
							Diphenylamine	
							Isosafrole	
							m&p-Methylphenol	
							Total Cresols	
					MSS_AB_DFTPP_00018	625 uL	4,4'-DDT	12.5 ppm
							Benzidine_T	12.5 ppm
							DFTPP	12.5 ppm
							Pentachlorophenol_T	12.5 ppm
.MSS_AB_DFTPP_00018	10/21/27		Absolute, Lot 102124		(Purchased Reagent)		4,4'-DDT	500 ug/mL
							Benzidine_T	500 ug/mL
							DFTPP	500 ug/mL
							Pentachlorophenol_T	500 ug/mL
MSV_4ppb_00012	04/11/25	04/07/25	DI Water, Lot DI 23226	1000 mL	MSV_CCV_2CEVE_00222	4 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_GASES_01005	2 uL	1,2-Dichloro-1,1,2-trifluoroet hane	4 ug/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	4 ug/L
							Butadiene	4 ug/L
							Chloroethane	4 ug/L
							Chloromethane	4 ug/L
							Dichlorodifluoromethane	4 ug/L
							Dichlorofluoromethane	4 ug/L
							Trichlorofluoromethane	4 ug/L
							Vinyl chloride	4 ug/L
					MSV_CCV_VOC#1_00230	4 uL	1,1,1,2-Tetrachloroethane	4 ug/L
							1,1,1-Trichloroethane	4 ug/L
							1,1,2,2-Tetrachloroethane	4 ug/L
							1,1,2-Trichloroethane	4 ug/L
							1,1-Dichloroethane	4 ug/L
							1,1-Dichloroethene	4 ug/L
							1,1-Dichloropropene	4 ug/L
							1,2,3-Trichlorobenzene	4 ug/L
							1,2,3-Trichloropropane	4 ug/L
							1,2,4-Trichlorobenzene	4 ug/L
							1,2,4-Trimethylbenzene	4 ug/L
							1,2-Dibromo-3-Chloropropane	4 ug/L
							1,2-Dichlorobenzene	4 ug/L
							1,2-Dichloroethane	4 ug/L
							1,2-Dichloropropane	4 ug/L
							1,3,5-Trimethylbenzene	4 ug/L
							1,3-Dichlorobenzene	4 ug/L
							1,3-Dichloropropane	4 ug/L
							1,4-Dichlorobenzene	4 ug/L
							2,2-Dichloropropane	4 ug/L
							2-Chlorotoluene	4 ug/L
							4-Chlorotoluene	4 ug/L
							4-Isopropyltoluene	4 ug/L
							Benzene	4 ug/L
							Bromobenzene	4 ug/L
							Bromodichloromethane	4 ug/L
							Bromoform	4 ug/L
							Carbon tetrachloride	4 ug/L
							Chlorobenzene	4 ug/L
							Chlorobromomethane	4 ug/L
							Chloroform	4 ug/L
							cis-1,2-Dichloroethene	4 ug/L
							cis-1,3-Dichloropropene	4 ug/L
							Dibromochloromethane	4 ug/L
							Dibromomethane	4 ug/L
							Ethylbenzene	4 ug/L
							Ethylene Dibromide	4 ug/L
							Hexachlorobutadiene	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	4 ug/L
							m-Xylene & p-Xylene	8 ug/L
							Methylene Chloride	4 ug/L
							n-Butylbenzene	4 ug/L
							N-Propylbenzene	4 ug/L
							Naphthalene	4 ug/L
							o-Xylene	4 ug/L
							sec-Butylbenzene	4 ug/L
							Styrene	4 ug/L
							tert-Butylbenzene	4 ug/L
							Tetrachloroethene	4 ug/L
							Toluene	4 ug/L
							trans-1,2-Dichloroethene	4 ug/L
							trans-1,3-Dichloropropene	4 ug/L
							Trichloroethene	4 ug/L
							1,2,3-Trimethylbenzene	4 ug/L
							1,3,5-Trichlorobenzene	4 ug/L
							1,3-Diethylbenzene	4 ug/L
							1,4-Dioxane	50 ug/L
							1-Chlorohexane	4 ug/L
							2-Chloro-1,3-butadiene	4 ug/L
							2-ethoxy-2-methyl butane	4 ug/L
							2-Methyl-2-propanol	20 ug/L
							2-Methylnaphthalene	4 ug/L
							2-Nitropropane	20 ug/L
							3-Chloro-1-propene	4 ug/L
							Acrylonitrile	10 ug/L
							Benzyl chloride	4 ug/L
							Carbon disulfide	4 ug/L
							Cyclohexane	4 ug/L
							Ethyl methacrylate	4 ug/L
							Freon 113	4 ug/L
							Hexane	4 ug/L
							Iodomethane	4 ug/L
							Isobutyl alcohol	50 ug/L
							Isopropyl alcohol	20 ug/L
							Isopropyl ether	4 ug/L
							Methacrylonitrile	10 ug/L
							Methyl acetate	4 ug/L
							Methyl methacrylate	4 ug/L
							Methyl tertiary butyl ether	4 ug/L
							Methylcyclohexane	4 ug/L
							n-Butanol	50 ug/L
							n-Heptane	4 ug/L
							o-diethylbenzene	4 ug/L
							p-Diethylbenzene	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentane	4 ug/L
							Propionitrile	20 ug/L
							Tert-amyl methyl ether	4 ug/L
							Tert-butyl ethyl ether	4 ug/L
							Tetrahydrofuran	20 ug/L
							trans-1,4-Dichloro-2-butene	10 ug/L
					MSV_CCV_VOC#3_00231	3.2 uL	Acrolein	39.0326 ug/L
							2-Butanone	8 ug/L
							2-Hexanone	8 ug/L
							4-Methyl-2-pentanone	8 ug/L
							Acetone	8 ug/L
.MSV_CCV_2CEVE_00222	05/07/25	04/07/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00230	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00230	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_GASES_01005	04/11/25		Restek, Lot A0212054		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MSV_CCV_VOC#1_00230	05/07/25	04/07/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00229	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromobenzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Ethylene Dibromide	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00226	1 mL	1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Freon 113	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl alcohol	5000 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_MegaMIX#1_00229	05/07/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chlorobromomethane	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Ethylene Dibromide	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00226	05/07/25		Restek, Lot A0212010		(Purchased Reagent)		1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Freon 113	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isobutyl alcohol	62500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tertiary butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00231	05/05/25	04/07/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00026	0.5 mL	Acrolein	12197.7 ug/mL
					MSV_V_Ketones_00228	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
..MSV_CCV_ACR_00026	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00046	8.537 mL	Acrolein	121977 ug/mL
...MSV_VACR_STK_00046	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00039	1.538 g	Acrolein	142880 ug/mL
....MSV_ACROLEIN_00039	08/31/25	Chem Service, Lot 15807600			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00228	04/30/27	Restek, Lot A0210935			(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_4ppbEtOH_00755	04/29/25	04/22/25	DI Water, Lot DI 23226	1000 mL	MSV_CCV_2CEVE_00224	4 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_CYC_00011	32 uL	Cyclohexanone	199.982 ug/L
					MSV_CCV_ETOH_00009	20 uL	Ethanol	250 ug/L
					MSV_CCV_GASES_01048	2 uL	1,2-Dichloro-1,1,2-trifluoroethane	4 ug/L
							Bromomethane	4 ug/L
							Butadiene	4 ug/L
							Chloroethane	4 ug/L
							Chloromethane	4 ug/L
							Dichlorodifluoromethane	4 ug/L
							Dichlorofluoromethane	4 ug/L
							Trichlorofluoromethane	4 ug/L
							Vinyl chloride	4 ug/L
					MSV_CCV_OH_Sp_00021	4 uL	2-Ethylhexyl acrylate	3.99789 ug/L
							n-Butyl acrylate	3.99833 ug/L
							Ethyl acrylate	4.00142 ug/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl acrylate	4.00074 ug/L
					MSV_CCV_VOC#1_00232	4 uL	1,1,1,2-Tetrachloroethane	4 ug/L
							1,1,1-Trichloroethane	4 ug/L
							1,1,2,2-Tetrachloroethane	4 ug/L
							1,1,2-Trichloroethane	4 ug/L
							1,1-Dichloroethane	4 ug/L
							1,1-Dichloroethene	4 ug/L
							1,1-Dichloropropene	4 ug/L
							1,2,3-Trichlorobenzene	4 ug/L
							1,2,3-Trichloropropane	4 ug/L
							1,2,4-Trichlorobenzene	4 ug/L
							1,2,4-Trimethylbenzene	4 ug/L
							1,2-Dibromo-3-Chloropropane	4 ug/L
							1,2-Dichlorobenzene	4 ug/L
							1,2-Dichloroethane	4 ug/L
							1,2-Dichloropropane	4 ug/L
							1,3,5-Trimethylbenzene	4 ug/L
							1,3-Dichlorobenzene	4 ug/L
							1,3-Dichloropropane	4 ug/L
							1,4-Dichlorobenzene	4 ug/L
							2,2-Dichloropropane	4 ug/L
							2-Chlorotoluene	4 ug/L
							4-Chlorotoluene	4 ug/L
							4-Isopropyltoluene	4 ug/L
							Benzene	4 ug/L
							Bromobenzene	4 ug/L
							Bromodichloromethane	4 ug/L
							Bromoform	4 ug/L
							Carbon tetrachloride	4 ug/L
							Chlorobenzene	4 ug/L
							Chlorobromomethane	4 ug/L
							Chloroform	4 ug/L
							cis-1,2-Dichloroethene	4 ug/L
							cis-1,3-Dichloropropene	4 ug/L
							Dibromochloromethane	4 ug/L
							Dibromomethane	4 ug/L
							Ethylbenzene	4 ug/L
							Ethylene Dibromide	4 ug/L
							Hexachlorobutadiene	4 ug/L
							Isopropylbenzene	4 ug/L
							m-Xylene & p-Xylene	8 ug/L
							Methylene Chloride	4 ug/L
							n-Butylbenzene	4 ug/L
							N-Propylbenzene	4 ug/L
							Naphthalene	4 ug/L
							o-Xylene	4 ug/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	4 ug/L
							Styrene	4 ug/L
							tert-Butylbenzene	4 ug/L
							Tetrachloroethene	4 ug/L
							Toluene	4 ug/L
							trans-1,2-Dichloroethene	4 ug/L
							trans-1,3-Dichloropropene	4 ug/L
							Trichloroethene	4 ug/L
							1,2,3-Trimethylbenzene	4 ug/L
							1,3,5-Trichlorobenzene	4 ug/L
							1,3-Diethylbenzene	4 ug/L
							1,4-Dioxane	50 ug/L
							1-Chlorohexane	4 ug/L
							2-Chloro-1,3-butadiene	4 ug/L
							2-ethoxy-2-methyl butane	4 ug/L
							2-Methyl-2-propanol	20 ug/L
							2-Methylnaphthalene	4 ug/L
							2-Nitropropane	20 ug/L
							3-Chloro-1-propene	4 ug/L
							Acrylonitrile	10 ug/L
							Benzyl chloride	4 ug/L
							Carbon disulfide	4 ug/L
							Cyclohexane	4 ug/L
							Ethyl methacrylate	4 ug/L
							Freon 113	4 ug/L
							Hexane	4 ug/L
							Iodomethane	4 ug/L
							Isobutyl alcohol	50 ug/L
							Isopropyl alcohol	20 ug/L
							Isopropyl ether	4 ug/L
							Methacrylonitrile	10 ug/L
							Methyl acetate	4 ug/L
							Methyl methacrylate	4 ug/L
							Methyl tertiary butyl ether	4 ug/L
							Methylcyclohexane	4 ug/L
							n-Butanol	50 ug/L
							n-Heptane	4 ug/L
							o-diethylbenzene	4 ug/L
							p-Diethylbenzene	4 ug/L
							Pentane	4 ug/L
							Propionitrile	20 ug/L
							Tert-amyl methyl ether	4 ug/L
							Tert-butyl ethyl ether	4 ug/L
							Tetrahydrofuran	20 ug/L
							trans-1,4-Dichloro-2-butene	10 ug/L
					MSV_CCV_VOC#3_00233	3.2 uL	Acrolein	39.0326 ug/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Butanone	8 ug/L
							2-Hexanone	8 ug/L
							4-Methyl-2-pentanone	8 ug/L
							Acetone	8 ug/L
.MSV_CCV_2CEVE_00224	05/21/25	04/21/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00231	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00231	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00011	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00014	8.884 mL	Cyclohexanone	6249.45 ug/mL
..MSV_VCYC_STK_00014	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	1.4069 g	Cyclohexanone	140690 ug/mL
...MSV_CYC_00010	06/30/27		Chem Service, Lot 15471000		(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_ETOH_00009	09/11/25	03/11/25	Methanol, Lot EH471	200 mL	MSV_VETOH_STK_00017	8.43 mL	Ethanol	12500 ug/mL
..MSV_VETOH_STK_00017	09/11/25	03/11/25	Methanol, Lot EH471	10 mL	MSV_EtOH_00050	2.9656 g	Ethanol	296560 ug/mL
...MSV_EtOH_00050	01/31/30		Chem Service, Lot 15122500		(Purchased Reagent)		Ethanol	1 g/g
.MSV_CCV_GASES_01048	04/29/25		Restek, Lot A0212054		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MSV_CCV_OH_Sp_00021	05/22/25	04/22/25	Methanol, Lot EH822	1 mL	MSV_V_Acr_Std_00009	200 uL	2-Ethylhexyl acrylate	999.472 ug/mL
							n-Butyl acrylate	999.582 ug/mL
							Ethyl acrylate	1000.35 ug/mL
							Methyl acrylate	1000.19 ug/mL
..MSV_V_Acr_Std_00009	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00005	0.887 mL	2-Ethylhexyl acrylate	4997.36 ug/mL
					MSV_MStk_BAcr_00006	1.004 mL	n-Butyl acrylate	4997.91 ug/mL
					MSV_MStk_EtAc_00005	1.007 mL	Ethyl acrylate	5001.77 ug/mL
					MSV_MStk_MAcr_00005	0.904 mL	Methyl acrylate	5000.93 ug/mL
...MSV_MStk_2E6A_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.5634 g	2-Ethylhexyl acrylate	56340 ug/mL
....MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
...MSV_MStk_BAcr_00006	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00006	0.4978 g	n-Butyl acrylate	49780 ug/mL
....MSV_nButylAcr_00006	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
...MSV_MStk_EtAc_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00004	0.4967 g	Ethyl acrylate	49670 ug/mL
....MSV_EthylAcry_00004	03/31/26		Chem Service, Lot 15464400		(Purchased Reagent)		Ethyl acrylate	1 g/g
...MSV_MStk_MAcr_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00004	0.5532 g	Methyl acrylate	55320 ug/mL
....MSV_MethylAcr_00004	01/31/26		Chem Service, Lot 14862200		(Purchased Reagent)		Methyl acrylate	1 g/g
.MSV_CCV_VOC#1_00232	05/21/25	04/21/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00231	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Ethylene Dibromide	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_MegaMix#2_00236	1 mL	1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Freon 113	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl alcohol	5000 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_MegaMIX#1_00231	05/21/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chlorobromomethane	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Ethylene Dibromide	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00236	05/21/25		Restek, Lot A0212010		(Purchased Reagent)		1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Freon 113	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tertiary butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00233	05/05/25	04/21/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00026	0.5 mL	Acrolein	12197.7 ug/mL
					MSV_V_Ketones_00229	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
..MSV_CCV_ACR_00026	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00046	8.537 mL	Acrolein	121977 ug/mL
...MSV_VACR_STK_00046	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00039	1.538 g	Acrolein	142880 ug/mL
....MSV_ACROLEIN_00039	08/31/25	Chem Service, Lot 15807600			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00229	04/30/27	Restek, Lot A0210935			(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	12500 ug/mL
MSV_CCV_2CEVE_00222	05/07/25	04/07/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00230	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00230	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_2CEVE_00224	05/21/25	04/21/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00231	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00231	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_CYC_00011	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00014	8.884 mL	Cyclohexanone	6249.45 ug/mL
.MSV_VCYC_STK_00014	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	1.4069 g	Cyclohexanone	140690 ug/mL
..MSV_CYC_00010	06/30/27		Chem Service, Lot 15471000		(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_ETOH_00009	09/11/25	03/11/25	Methanol, Lot EH471	200 mL	MSV_VETOH_STK_00017	8.43 mL	Ethanol	12500 ug/mL
.MSV_VETOH_STK_00017	09/11/25	03/11/25	Methanol, Lot EH471	10 mL	MSV_EtOH_00050	2.9656 g	Ethanol	296560 ug/mL
..MSV_EtOH_00050	01/31/30		Chem Service, Lot 15122500		(Purchased Reagent)		Ethanol	1 g/g
MSV_CCV_GASES_01005	04/11/25		Restek, Lot A0212054		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_01048	04/29/25		Restek, Lot A0212054		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_01073	06/16/25		Restek, Lot A0212054		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_OH_Sp_00021	05/22/25	04/22/25	Methanol, Lot EH822	1 mL	MSV_V_Acr_Std_00009	200 uL	2-Ethylhexyl acrylate	999.472 ug/mL
							n-Butyl acrylate	999.582 ug/mL
							Ethyl acrylate	1000.35 ug/mL
							Methyl acrylate	1000.19 ug/mL
.MSV_V_Acr_Std_00009	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00005	0.887 mL	2-Ethylhexyl acrylate	4997.36 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_MStk_BAcr_00006	1.004 mL	n-Butyl acrylate	4997.91 ug/mL
					MSV_MStk_EtAc_00005	1.007 mL	Ethyl acrylate	5001.77 ug/mL
					MSV_MStk_MAcr_00005	0.904 mL	Methyl acrylate	5000.93 ug/mL
..MSV_MStk_2E6A_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.5634 g	2-Ethylhexyl acrylate	56340 ug/mL
...MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00006	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00006	0.4978 g	n-Butyl acrylate	49780 ug/mL
...MSV_nButylAcr_00006	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00004	0.4967 g	Ethyl acrylate	49670 ug/mL
...MSV_EthylAcry_00004	03/31/26		Chem Service, Lot 15464400		(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00004	0.5532 g	Methyl acrylate	55320 ug/mL
...MSV_MethylAcr_00004	01/31/26		Chem Service, Lot 14862200		(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_CCV_VOC#1_00230	05/07/25	04/07/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00229	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	1000 ug/mL
							Ethylene Dibromide	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00226	1 mL	1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Freon 113	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl alcohol	5000 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	1000 ug/mL
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
.MSV_MegaMIX#1_00229	05/07/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chlorobromomethane	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Ethylene Dibromide	5000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
.MSV_MegaMix#2_00226	05/07/25		Restek, Lot A0212010		(Purchased Reagent)		1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Freon 113	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tertiary butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_CCV_VOC#1_00232	05/21/25	04/21/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00231	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Ethylene Dibromide	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00236	1 mL	1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Freon 113	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl alcohol	5000 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
.MSV_MegaMIX#1_00231	05/21/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chlorobromomethane	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Ethylene Dibromide	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
.MSV_MegaMix#2_00236	05/21/25		Restek, Lot A0212010		(Purchased Reagent)		1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Freon 113	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tertiary butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_CCV_VOC#1_00239	07/09/25	06/09/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00232	1 mL	1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00244	1 mL	1,4-Dioxane	12500 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Freon 113	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl alcohol	5000 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							Propionitrile	5000 ug/mL
							Tetrahydrofuran	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_MegaMIX#1_00232	07/09/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							Methylene Chloride	5000 ug/mL
							Styrene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
.MSV_MegaMix#2_00244	05/31/27		Restek, Lot A0212010		(Purchased Reagent)		1,4-Dioxane	62500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Freon 113	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tertiary butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							Propionitrile	25000 ug/mL
							Tetrahydrofuran	25000 ug/mL
MSV_CCV_VOC#3_00231	05/05/25	04/07/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00026	0.5 mL	Acrolein	12197.7 ug/mL
					MSV_V_Ketones_00228	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
.MSV_CCV_ACR_00026	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00046	8.537 mL	Acrolein	121977 ug/mL
..MSV_VACR_STK_00046	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00039	1.538 g	Acrolein	142880 ug/mL
...MSV_ACROLEIN_00039	08/31/25		Chem Service, Lot 15807600		(Purchased Reagent)		Acrolein	0.929 g/g
.MSV_V_Ketones_00228	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_VOC#3_00233	05/05/25	04/21/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00026	0.5 mL	Acrolein	12197.7 ug/mL
					MSV_V_Ketones_00229	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
.MSV_CCV_ACR_00026	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00046	8.537 mL	Acrolein	121977 ug/mL
..MSV_VACR_STK_00046	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00039	1.538 g	Acrolein	142880 ug/mL
...MSV_ACROLEIN_00039	08/31/25		Chem Service, Lot 15807600		(Purchased Reagent)		Acrolein	0.929 g/g
.MSV_V_Ketones_00229	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_VOC#3_00240	06/28/25	06/09/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00027	0.5 mL	Acrolein	12197.7 ug/mL
					MSV_V_Ketones_00235	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
.MSV_CCV_ACR_00027	06/28/25	04/29/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00047	9.072 mL	Acrolein	121977 ug/mL
..MSV_VACR_STK_00047	06/28/25	04/29/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00040	1.4473 g	Acrolein	134454 ug/mL
...MSV_ACROLEIN_00040	08/31/25		Chem Service, Lot 15807600		(Purchased Reagent)		Acrolein	0.929 g/g
.MSV_V_Ketones_00235	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_Cent_ISSS_00032	04/09/25	10/09/24	Methanol, Lot EH822-US	50 mL	MSV_8260_SS_01309	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					MSV_Cus826_IS_00651	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_8260_SS_01309	04/09/25		Restek, Lot A0209669		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_Cus826_IS_00651	10/09/25		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_Cent_ISSS_00036	08/28/25	02/28/25	Methanol, Lot EJ274	50 mL	MSV_8260_SS_01384	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					MSV_Cus826_IS_00672	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_8260_SS_01384	07/31/29		Restek, Lot A0213335		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00672	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_Cent_ISSS_00041	11/19/25	05/19/25	Methanol, Lot EJ274	50 mL	MSV_Cus826_IS_00729	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_Cus826_IS_00729	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_Cent_ISSS_00041	11/19/25	05/19/25	Methanol, Lot EJ274	50 mL	MSV_8260_SS_01417	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.MSV_8260_SS_01417	10/31/29		Restek, Lot A0217887		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_LCS_ACROL_00221	05/05/25	04/07/25	Methanol, Lot EH471	25 mL	MSV_LCS_ACR_00040	1 mL	Acrolein	292.708 ug/mL
.MSV_LCS_ACR_00040	05/05/25	03/06/25	Methanol, Lot EH822	10 mL	MSV_QACR_STK_00045	1.724 mL	Acrolein	7317.69 ug/mL
..MSV_QACR_STK_00045	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00039	0.4569 g	Acrolein	42446 ug/mL
...MSV_ACROLEIN_00039	08/31/25		Chem Service, Lot 15807600		(Purchased Reagent)		Acrolein	0.929 g/g
MSV_LCS_ACROL_00223	05/05/25	04/21/25	Methanol, Lot EH471	25 mL	MSV_LCS_ACR_00040	1 mL	Acrolein	292.708 ug/mL
.MSV_LCS_ACR_00040	05/05/25	03/06/25	Methanol, Lot EH822	10 mL	MSV_QACR_STK_00045	1.724 mL	Acrolein	7317.69 ug/mL
..MSV_QACR_STK_00045	05/05/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00039	0.4569 g	Acrolein	42446 ug/mL
...MSV_ACROLEIN_00039	08/31/25		Chem Service, Lot 15807600		(Purchased Reagent)		Acrolein	0.929 g/g

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_LCS_CYC_00011	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_QCYC_STK_00017	3.537 mL	Cyclohexanone	999.91 ug/mL
.MSV_QCYC_STK_00017	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	0.5654 g	Cyclohexanone	56540 ug/mL
..MSV_CYC_00010	06/30/27	Chem Service, Lot 15471000			(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_LCS_ETOH_00010	09/11/25	03/11/25	Methanol, Lot EH471	250 mL	MSV_QETOH_STK_00017	2.535 mL	Ethanol	2000.12 ug/mL
.MSV_QETOH_STK_00017	09/11/25	03/11/25	Methanol, Lot EH471	10 mL	MSV_EtOH_00051	1.9725 g	Ethanol	197250 ug/mL
..MSV_EtOH_00051	01/31/30	Chem Service, Lot 15122500			(Purchased Reagent)		Ethanol	1 g/g
MSV_LCS_Gases_00245	04/14/25	04/07/25	Methanol, Lot EH471	25 mL	MSV_QC_2K_GAS_00293	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00293	04/14/25	Restek, Lot A0211460			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_Gases_00254	06/16/25	06/09/25	Methanol, Lot EH471	25 mL	MSV_QC_2K_GAS_00304	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00304	06/16/25	Restek, Lot A0211460			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_VOC#1_00215	05/07/25	04/07/25	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00262	1 mL	1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							Benzene	40 ug/mL
							Bromodichloromethane	40 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00260	1 mL	1,4-Dioxane	1000 ug/mL
							2-Methyl-2-propanol	400 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Freon 113	40 ug/mL
							Isobutyl alcohol	1000 ug/mL
							Isopropyl alcohol	300 ug/mL
							Methacrylonitrile	300 ug/mL
							Methyl acetate	40 ug/mL
							Methyl tertiary butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							n-Butanol	2000 ug/mL
							Propionitrile	300 ug/mL
							trans-1,4-Dichloro-2-butene	200 ug/mL
					MSV_Q_Ketones_00260	1 mL	2-Butanone	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone	500 ug/mL
							Acetone	500 ug/mL
.MSV_M_MIX1SEC_00262	05/31/27		Restek, Lot A0211284		(Purchased Reagent)		1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							Benzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00260	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		1,4-Dioxane	25000 ug/mL
							2-Methyl-2-propanol	10000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Freon 113	1000 ug/mL
							Isobutyl alcohol	25000 ug/mL
							Isopropyl alcohol	7500 ug/mL
							Methacrylonitrile	7500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	50000 ug/mL
							Propionitrile	7500 ug/mL
							trans-1,4-Dichloro-2-butene	5000 ug/mL
.MSV_Q_Ketones_00260	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00216	05/14/25	04/14/25	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00263	1 mL	1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00259	1 mL	1,4-Dioxane	1000 ug/mL
							2-Methyl-2-propanol	400 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Freon 113	40 ug/mL
							Isobutyl alcohol	1000 ug/mL
							Isopropyl alcohol	300 ug/mL
							Methacrylonitrile	300 ug/mL
							Methyl acetate	40 ug/mL
							Methyl tertiary butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							n-Butanol	2000 ug/mL
							Propionitrile	300 ug/mL
					MSV_Q_Ketones_00261	1 mL	2-Butanone	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone	500 ug/mL
							Acetone	500 ug/mL
.MSV_M_MIX1SEC_00263	05/31/27		Restek, Lot A0211284		(Purchased Reagent)		1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00259	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		1,4-Dioxane	25000 ug/mL
							2-Methyl-2-propanol	10000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Freon 113	1000 ug/mL
							Isobutyl alcohol	25000 ug/mL
							Isopropyl alcohol	7500 ug/mL
							Methacrylonitrile	7500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	50000 ug/mL
							Propionitrile	7500 ug/mL
.MSV_Q_Ketones_00261	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00223	07/09/25	06/09/25	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00272	1 mL	1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00272	1 mL	Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Freon 113	40 ug/mL
							Methyl acetate	40 ug/mL
							Methyl tertiary butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
					MSV_Q_Ketones_00272	1 mL	2-Butanone	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone	500 ug/mL
							Acetone	500 ug/mL
.MSV_M_MIX1SEC_00272	12/31/27		Restek, Lot A0225025		(Purchased Reagent)		1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00272	05/31/28		Restek, Lot A0225702		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Freon 113	1000 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl tertiary butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
.MSV_Q_Ketones_00272	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_QC_2K_GAS_00299	04/28/25		Restek, Lot A0211460		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_V_BFB_00018							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							4-Nitro-4'-chlorodiphenylsulph oxide	
							divinyl benzene	
							Total BTEX	
							Total Diethylbenzene	
							Xylene (total)	
					MSV_VBFB_STK_00013	0.09 mL	BFB	50.076 ug/mL
.MSV_VBFB_STK_00013	05/31/25	12/02/24	Methanol, Lot EH471	10 mL	MSV_4BFB_NEAT_00012	1.391 g	BFB	139100 ug/mL
..MSV_4BFB_NEAT_00012	05/31/25		Chem Service, Lot 15267000		(Purchased Reagent)		BFB	1 g/g
MSV_V_BFB_00019							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							4-Nitro-4'-chlorodiphenylsulph oxide	
							divinyl benzene	
							Total BTEX	
							Total Diethylbenzene	
							Xylene (total)	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_VBFB_STK_00014	0.246 mL	BFB	49.9183 ug/mL
.MSV_VBFB_STK_00014	11/22/25	05/22/25	Methanol, Lot EH471	10 mL	MSV_4BFB_NEAT_00013	0.5073 g	BFB	50730 ug/mL
..MSV_4BFB_NEAT_00013	06/30/29	Chem Service, Lot 16054300			(Purchased Reagent)		BFB	1 g/g
MT_HNO3_FI_00018	02/17/30	ThermoFisher Scientific, Lot 245385			(Purchased Reagent)		Nitric acid	69.7 %
MT_LCS-SPK-A_00051	04/03/26	Inorganic Ventures, Lot V2-MEB751664			(Purchased Reagent)		Al	1250 mg/L
							Arsenic	125 mg/L
							B	125 mg/L
							Barium	125 mg/L
							Be	12.5 mg/L
							Ca	1250 mg/L
							Cadmium	12.5 mg/L
							Chromium	125 mg/L
							Co	125 mg/L
							Cu	125 mg/L
							Fe	1250 mg/L
							K	1250 mg/L
							Lead	12.5 mg/L
							Li	125 mg/L
							Mg	1250 mg/L
							Mn	125 mg/L
							Na	1250 mg/L
							Ni	125 mg/L
							P	125 mg/L
							Selenium	25 mg/L
							Silver	12.5 mg/L
							Sr	12.5 mg/L
							Sulfur	1250 mg/L
							Th	125 mg/L
							Tl	25 mg/L
							U	12.5 mg/L
							V	125 mg/L
							Zn	125 mg/L
MT_LCS-SPK-A_00052	05/07/26	Inorganic Ventures, Lot V2-MEB751665			(Purchased Reagent)		Al	1250 mg/L
							Arsenic	125 mg/L
							B	125 mg/L
							Barium	125 mg/L
							Be	12.5 mg/L
							Ca	1250 mg/L
							Cadmium	12.5 mg/L
							Chromium	125 mg/L
							Co	125 mg/L
							Cu	125 mg/L
							Fe	1250 mg/L
							K	1250 mg/L
							Lead	12.5 mg/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Li	125 mg/L
							Mg	1250 mg/L
							Mn	125 mg/L
							Na	1250 mg/L
							Ni	125 mg/L
							P	125 mg/L
							Selenium	25 mg/L
							Silver	12.5 mg/L
							Sr	12.5 mg/L
							Sulfur	1250 mg/L
							Th	125 mg/L
							Tl	25 mg/L
							U	12.5 mg/L
							V	125 mg/L
							Zn	125 mg/L
MT_LCS-SPK-B_00051	05/07/26	Inorganic Ventures, Lot V2-MEB751665			(Purchased Reagent)		Mo	12.5 mg/L
							Sb	25 mg/L
							Si	1250 mg/L
							Sn	25 mg/L
							Ti	125 mg/L
							W	125 mg/L
							Zr	125 mg/L
MT_MJ_CCV_00221	06/28/25	05/28/25	DI Water, Lot DI06242024	5 L	MT_S_MSSPK-A_00004	5 mL	Arsenic	499.9 ppb
							Barium	500 ppb
							Cadmium	49.99 ppb
							Chromium	499.9 ppb
							Lead	50 ppb
							Selenium	50.01 ppb
							Silver	50 ppb
.MT_S_MSSPK-A_00004	07/07/25	Inorganic Ventures, Lot U2-MEB728823			(Purchased Reagent)		Arsenic	499.9 ug/mL
							Barium	500 ug/mL
							Cadmium	49.99 ug/mL
							Chromium	499.9 ug/mL
							Lead	50 ug/mL
							Selenium	50.01 ug/mL
							Silver	50 ug/mL
MT_MJ_CCV_00222	06/28/25	05/28/25	DI Water, Lot DI06242024	5 L	MT_S_MSSPK-A_00004	2.5 mL	Arsenic	249.95 ppb
							Barium	250 ppb
							Cadmium	24.995 ppb
							Chromium	249.95 ppb
							Lead	25 ppb
							Selenium	25.005 ppb
							Silver	25 ppb
.MT_S_MSSPK-A_00004	07/07/25	Inorganic Ventures, Lot U2-MEB728823			(Purchased Reagent)		Arsenic	499.9 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Barium	500 ug/mL
							Cadmium	49.99 ug/mL
							Chromium	499.9 ug/mL
							Lead	50 ug/mL
							Selenium	50.01 ug/mL
							Silver	50 ug/mL
MT_MJ_CRI-V_00216	07/09/25	06/10/25	J, Lot 7257786	1 L	MT_S_MWLLC_SC_00009	1 mL	Arsenic	2.02 ug/L
							Barium	1.99 ug/L
							Cadmium	0.496 ug/L
							Chromium	2 ug/L
							Lead	0.503 ug/L
							Selenium	1 ug/L
							Silver	0.496 ug/L
.MT_S_MWLLC_SC_00009	12/09/25	Inorganic Ventures, Lot V2-MEB748176			(Purchased Reagent)		Arsenic	2.02 ug/mL
							Barium	1.99 ug/mL
							Cadmium	0.496 ug/mL
							Chromium	2 ug/mL
							Lead	0.503 ug/mL
							Selenium	1 ug/mL
							Silver	0.496 ug/mL
MT_MJ_ICSA_00141	07/06/25	06/06/25	J, Lot 7345515	500 mL	MT_S_ICS2A_IV_00019	50 mL	Al	100 ug/mL
							Arsenic	0.0085 ug/mL
							Barium	0.00039 ug/mL
							Be	0.00002 ug/mL
							Ca	300 ug/mL
							Cadmium	0.00048 ug/mL
							Chromium	0.0032 ug/mL
							Co	0.00022 ug/mL
							Cu	0.00086 ug/mL
							Fe	250.1 ug/mL
							K	100 ug/mL
							Lead	0.00012 ug/mL
							Mg	100 ug/mL
							Mn	0.0005 ug/mL
							Mo	2.001 ug/mL
							Na	250.1 ug/mL
							Ni	0.0012 ug/mL
							Sb	0.00014 ug/mL
							Selenium	0.00058 ug/mL
							Silver	0.0002 ug/mL
							Sn	0.00006 ug/mL
							Sr	0.0017 ug/mL
							Ti	2.001 ug/mL
							Tl	0.00001 ug/mL
							U	0.00012 ug/mL
							V	0.00046 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Zn	0.00045 ug/mL
.MT_S_ICS2A_IV_00019	10/28/25	Inorganic Ventures, Lot U2-MEB731104			(Purchased Reagent)		Al	1000 ug/mL
							Arsenic	0.085 ug/mL
							Barium	0.0039 ug/mL
							Be	0.0002 ug/mL
							Ca	3000 ug/mL
							Cadmium	0.0048 ug/mL
							Chromium	0.032 ug/mL
							Co	0.0022 ug/mL
							Cu	0.0086 ug/mL
							Fe	2501 ug/mL
							K	1000 ug/mL
							Lead	0.0012 ug/mL
							Mg	1000 ug/mL
							Mn	0.005 ug/mL
							Mo	20.01 ug/mL
							Na	2501 ug/mL
							Ni	0.012 ug/mL
							Sb	0.0014 ug/mL
							Selenium	0.0058 ug/mL
							Silver	0.002 ug/mL
							Sn	0.0006 ug/mL
							Sr	0.017 ug/mL
							Ti	20.01 ug/mL
							Tl	0.0001 ug/mL
							U	0.0012 ug/mL
							V	0.0046 ug/mL
							Zn	0.0045 ug/mL
MT_MJ_ICSAB_00123	07/10/25	06/10/25	J, Lot 7345515	500 mL	MT_S_ICS2A_IV_00024	50 mL	Al	100 ug/mL
							Ca	300 ug/mL
							Fe	250 ug/mL
							K	100 ug/mL
							Mg	100 ug/mL
							Mo	2 ug/mL
							Na	250 ug/mL
							Sr	0.0028 ug/mL
							Ti	2 ug/mL
					MT_S_ICS2B_IV_00007	5 mL	Arsenic	0.1 ug/mL
							Cadmium	0.1 ug/mL
							Chromium	0.2001 ug/mL
							Co	0.2001 ug/mL
							Cu	0.2001 ug/mL
							Mn	0.2001 ug/mL
							Ni	0.2001 ug/mL
							Selenium	0.1 ug/mL
							Silver	0.05002 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							V	0.2001 ug/mL
							Zn	0.1 ug/mL
.MT_S_ICS2A_IV_00024	02/05/29	Inorganic Ventures, Lot U2-MEB741286			(Purchased Reagent)		Al	1000 ug/mL
							Ca	3000 ug/mL
							Fe	2500 ug/mL
							K	1000 ug/mL
							Mg	1000 ug/mL
							Mo	20 ug/mL
							Na	2500 ug/mL
							Sr	0.028 ug/mL
							Ti	20 ug/mL
.MT_S_ICS2B_IV_00007	10/11/25	Inorganic Ventures, Lot S2-MEB711470			(Purchased Reagent)		Arsenic	10 ug/mL
							Cadmium	10 ug/mL
							Chromium	20.01 ug/mL
							Co	20.01 ug/mL
							Cu	20.01 ug/mL
							Mn	20.01 ug/mL
							Ni	20.01 ug/mL
							Selenium	10 ug/mL
							Silver	5.002 ug/mL
							V	20.01 ug/mL
							Zn	10 ug/mL
MT_MJ_ICV_00137	06/20/25	05/20/25	J, Lot 7550459	1 L	MT_S_ICVSPK-A_00007	2 mL	Arsenic	500 ppb
							Barium	500 ppb
							Cadmium	50 ppb
							Chromium	500 ppb
							Lead	50 ppb
							Selenium	50 ppb
							Silver	50 ppb
.MT_S_ICVSPK-A_00007	10/25/25	High-Purity Standards, Lot U2-MEB728821			(Purchased Reagent)		Arsenic	250 ug/mL
							Barium	250 ug/mL
							Cadmium	25 ug/mL
							Chromium	250 ug/mL
							Lead	25 ug/mL
							Selenium	25 ug/mL
							Silver	25 ug/mL
MT_MJ_ICV_00138	07/02/25	06/02/25	J, Lot 7726600	1 L	MT_S_ICVSPK-A_00007	1 mL	Arsenic	250 ppb
							Barium	250 ppb
							Cadmium	25 ppb
							Chromium	250 ppb
							Lead	25 ppb
							Selenium	25 ppb
							Silver	25 ppb
.MT_S_ICVSPK-A_00007	10/25/25	High-Purity Standards, Lot U2-MEB728821			(Purchased Reagent)		Arsenic	250 ug/mL
							Barium	250 ug/mL
							Cadmium	25 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chromium	250 ug/mL
							Lead	25 ug/mL
							Selenium	25 ug/mL
							Silver	25 ug/mL
MT_MJ_LRC_00125	06/16/25	05/16/25	J, Lot 7726600	0.5 L	MT_I_CCVSPK-A_00007	10 mL	Arsenic	2000 ppb
							Barium	2000 ppb
							Cadmium	2000 ppb
							Chromium	2000 ppb
							Lead	2000 ppb
							Selenium	2000 ppb
							Silver	2000 ppb
.MT_I_CCVSPK-A_00007	08/15/25	Inorganic Ventures, Lot V2-MEB742653			(Purchased Reagent)		Arsenic	100 mg/L
							Barium	100 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L
							Lead	100 mg/L
							Selenium	100 mg/L
							Silver	100 mg/L
MT_MJ_S1_00156	06/13/25	05/13/25	J, Lot 7133644	500 mL	MT_S_MSSPK-A_00004	1 mL	Arsenic	999.8 ppb
							Barium	1000 ppb
							Cadmium	99.98 ppb
							Chromium	999.8 ppb
							Lead	100 ppb
							Selenium	100.02 ppb
							Silver	100 ppb
.MT_S_MSSPK-A_00004	07/07/25	Inorganic Ventures, Lot U2-MEB728823			(Purchased Reagent)		Arsenic	499.9 ug/mL
							Barium	500 ug/mL
							Cadmium	49.99 ug/mL
							Chromium	499.9 ug/mL
							Lead	50 ug/mL
							Selenium	50.01 ug/mL
							Silver	50 ug/mL
MT_MJ_S1_00158	07/07/25	06/10/25	J, Lot 6433706	500 mL/100g	MT_S_MSSPK-A_00004	0.5 mL	Arsenic	0.04999 ppb
							Barium	0.05 ppb
							Cadmium	0.004999 ppb
							Chromium	0.04999 ppb
							Lead	0.005 ppb
							Selenium	0.005001 ppb
							Silver	0.005 ppb
.MT_S_MSSPK-A_00004	07/07/25	Inorganic Ventures, Lot U2-MEB728823			(Purchased Reagent)		Arsenic	499.9 ug/mL
							Barium	500 ug/mL
							Cadmium	49.99 ug/mL
							Chromium	499.9 ug/mL
							Lead	50 ug/mL
							Selenium	50.01 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silver	50 ug/mL
MT_SULF_FI_00022	09/30/28	ThermoFisher Scientific, Lot 233289			(Purchased Reagent)		Sulfuric acid	96.3 %
OP_EDB_MS_00086	06/17/25	05/16/25	ACETONE, Lot EI930-US	25 mL	OP_EDB ICVSTK_00002	0.008 mL	1,2,3-Trichloropropane	64.288 ppb
							1,2-Dibromo-3-Chloropropane	64.576 ppb
							Ethylene Dibromide	64.64 ppb
.OP_EDB ICVSTK_00002	02/28/29	Restek, Lot A0207387			(Purchased Reagent)		1,2,3-Trichloropropane	200.9 ug/mL
							1,2-Dibromo-3-Chloropropane	201.8 ug/mL
							Ethylene Dibromide	202 ug/mL
OP_EDB_SS_00152	06/10/25	06/02/25	ACETONE, Lot EI930-US	100 mL	OP_EDBSS_STK_00002	0.0125 mL	1,1,2,2-Tetrachloroethane	24.65 ppb
.OP_EDBSS_STK_00002	05/23/29	Accustandard, Lot 219051693			(Purchased Reagent)		1,1,2,2-Tetrachloroethane	197.2 ug/mL
OP_MINIBNA_SS_00155	10/03/25	05/30/25	Methanol, Lot 63145	1000 mL	OP_BNA_SS_00087	250 mL	1-Methylnaphthalene-d10	250 ppb
							2,4,6-Tribromophenol (Surr)	25000 ppb
							2-Fluorobiphenyl (Surr)	25000 ppb
							2-Fluorophenol (Surr)	25000 ppb
							Benzo(a)pyrene-d12 (Surr)	250 ppb
							Fluoranthene-d10 (Surr)	250 ppb
							Nitrobenzene-d5 (Surr)	25000 ppb
							p-Terphenyl-d14 (Surr)	25000 ppb
							Phenol-d5 (Surr)	25000 ppb
.OP_BNA_SS_00087	10/03/25	04/02/25	Methanol, Lot 63145	2500 mL	OP_BNA_STK_00084	2500 mL	1-Methylnaphthalene-d10	1000 ppb
							2,4,6-Tribromophenol (Surr)	100000 ppb
							2-Fluorobiphenyl (Surr)	100000 ppb
							2-Fluorophenol (Surr)	100000 ppb
							Benzo(a)pyrene-d12 (Surr)	1000 ppb
							Fluoranthene-d10 (Surr)	1000 ppb
							Nitrobenzene-d5 (Surr)	100000 ppb
							p-Terphenyl-d14 (Surr)	100000 ppb
							Phenol-d5 (Surr)	100000 ppb
..OP_BNA_STK_00084	10/03/25	Agilent, Lot 0006829769			(Purchased Reagent)		1-Methylnaphthalene-d10	1 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1 ug/mL
							Fluoranthene-d10 (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							p-Terphenyl-d14 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
OP_MINLCS1_MS_00272	06/29/25	06/02/25	ACETONE, Lot EI930-US	100 mL	OP_LCS1_MS_00086	25 mL	1,1'-Biphenyl	12500 ppb
							1,2,4,5-Tetrachlorobenzene	12500 ppb
							1,2,4-Trichlorobenzene	12500 ppb
							1,2-Dichlorobenzene	12500 ppb
							1,2-Diphenylhydrazine	12500 ppb
							1,3-Dichlorobenzene	12500 ppb
							1,3-Dinitrobenzene	12500 ppb

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	12500 ppb
							1,4-Dioxane	12500 ppb
							1-Methylnaphthalene	12500 ppb
							2,3,4,6-Tetrachlorophenol	12500 ppb
							2,4,5-Trichlorophenol	12500 ppb
							2,4,6-Trichlorophenol	12500 ppb
							2,4-Dichlorophenol	12500 ppb
							2,4-Dimethylphenol	12500 ppb
							2,4-Dinitrophenol	25000 ppb
							2,4-Dinitrotoluene	12500 ppb
							2,6-Dichlorophenol	12500 ppb
							2,6-Dinitrotoluene	12500 ppb
							2-Chloronaphthalene	12500 ppb
							2-Chlorophenol	12500 ppb
							2-Methylnaphthalene	12500 ppb
							2-Methylphenol	12500 ppb
							2-Nitroaniline	12500 ppb
							2-Nitrophenol	12500 ppb
							3-Nitroaniline	12500 ppb
							4,6-Dinitro-2-methylphenol	25000 ppb
							4-Bromophenyl-phenylether	12500 ppb
							4-Chloro-3-methylphenol	12500 ppb
							4-Chloroaniline	12500 ppb
							4-Chlorophenyl-phenyl ether	12500 ppb
							4-Methylphenol (and/or 3-Methylphenol)	12500 ppb
							4-Nitroaniline	12500 ppb
							4-Nitrophenol	25000 ppb
							Acenaphthene	12500 ppb
							Acenaphthylene	12500 ppb
							Acetophenone	12500 ppb
							Aniline	12500 ppb
							Anthracene	12500 ppb
							Benzo[a]anthracene	12500 ppb
							Benzo[a]pyrene	12500 ppb
							Benzo[b]fluoranthene	12500 ppb
							Benzo[g,h,i]perylene	12500 ppb
							Benzo[k]fluoranthene	12500 ppb
							Benzyl alcohol	12500 ppb
							bis(1-chloroispropyl)ether	12500 ppb
							Bis(2-chloroethoxy)methane	12500 ppb
							Bis(2-chloroethyl)ether	12500 ppb
							Bis(2-ethylhexyl) phthalate	12500 ppb
							Butylbenzylphthalate	12500 ppb
							Carbazole	12500 ppb
							Chrysene	12500 ppb
							Di-n-butyl phthalate	12500 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	12500 ppb
							Dibenz(a,h)anthracene	12500 ppb
							Dibenzofuran	12500 ppb
							Diethyl phthalate	12500 ppb
							Dimethyl phthalate	12500 ppb
							Dinitrotoluene	25000 ppb
							Fluoranthene	12500 ppb
							Fluorene	12500 ppb
							Hexachlorobenzene	12500 ppb
							Hexachlorobutadiene	12500 ppb
							Hexachlorocyclopentadiene	12500 ppb
							Hexachloroethane	12500 ppb
							Hexadecane	12500 ppb
							Indeno[1,2,3-cd]pyrene	12500 ppb
							Isophorone	12500 ppb
							n-Decane	12500 ppb
							N-Nitrosodi-n-propylamine	12500 ppb
							N-Nitrosodimethylamine	12500 ppb
							N-Nitrosodiphenylamine	10625 ppb
							n-Octadecane	12500 ppb
							Naphthalene	12500 ppb
							Nitrobenzene	12500 ppb
							Pentachlorophenol	25000 ppb
							Phenanthrene	12500 ppb
							Phenol	12500 ppb
							Pyrene	12500 ppb
							Pyridine	25000 ppb
							3,3'-Dichlorobenzidine	25000 ppb
							Benzidine	25000 ppb
							Benzoic acid	12500 ppb
							Indene	12500 ppb
							1-Methylphenanthrene	12500 ppb
							2,3-Dichlorobenzenamine	12500 ppb
							Alpha Methyl Styrene	12500 ppb
							Alpha-Terpineol	12500 ppb
							Dimethylformamide	12500 ppb
							icosane	12500 ppb
							n-Docosane	12500 ppb
							n-Tetradecane	12500 ppb
							Octachlorostyrene	12500 ppb
							Phenyl ether	12500 ppb
.OP_LCS1_MS_00086	06/29/25	05/28/25	Acetone, Lot EI930-US	400 mL	OP_RES_LCS1_00023	20 mL	1,1'-Biphenyl	50000 ppb
							1,2,4,5-Tetrachlorobenzene	50000 ppb
							1,2,4-Trichlorobenzene	50000 ppb
							1,2-Dichlorobenzene	50000 ppb
							1,2-Diphenylhydrazine	50000 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	50000 ppb
							1,3-Dinitrobenzene	50000 ppb
							1,4-Dichlorobenzene	50000 ppb
							1,4-Dioxane	50000 ppb
							1-Methylnaphthalene	50000 ppb
							2,3,4,6-Tetrachlorophenol	50000 ppb
							2,4,5-Trichlorophenol	50000 ppb
							2,4,6-Trichlorophenol	50000 ppb
							2,4-Dichlorophenol	50000 ppb
							2,4-Dimethylphenol	50000 ppb
							2,4-Dinitrophenol	100000 ppb
							2,4-Dinitrotoluene	50000 ppb
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb
							2-Methylphenol	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl-phenylether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl-phenyl ether	50000 ppb
							4-Methylphenol (and/or 3-Methylphenol)	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							Benzyl alcohol	50000 ppb
							bis(1-chloroispropyl)ether	50000 ppb
							Bis(2-chloroethoxy)methane	50000 ppb
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butylbenzylphthalate	50000 ppb
							Carbazole	50000 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	50000 ppb
							Di-n-butyl phthalate	50000 ppb
							Di-n-octyl phthalate	50000 ppb
							Dibenz(a,h)anthracene	50000 ppb
							Dibenzofuran	50000 ppb
							Diethyl phthalate	50000 ppb
							Dimethyl phthalate	50000 ppb
							Dinitrotoluene	100000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							N-Nitrosodiphenylamine	42500 ppb
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb
							Pyridine	100000 ppb
					OP_RES_LCS2_00013	10 mL	3,3'-Dichlorobenzidine	100000 ppb
							Benzidine	100000 ppb
					OP_RES_LCS2_00014	10 mL	3,3'-Dichlorobenzidine	100000 ppb
							Benzidine	100000 ppb
					OP_RES_LCS3_00011	10 mL	Benzoic acid	50000 ppb
							Indene	50000 ppb
					OP_RES_LCSadd_00004	10 mL	1-Methylphenanthrene	50000 ppb
							2,3-Dichlorobenzenamine	50000 ppb
							Alpha Methyl Styrene	50000 ppb
							Alpha-Terpineol	50000 ppb
							Dimethylformamide	50000 ppb
							icosane	50000 ppb
							n-Docosane	50000 ppb
							n-Tetradecane	50000 ppb
							Octachlorostyrene	50000 ppb
							Phenyl ether	50000 ppb
..OP_RES_LCS1_00023	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Methylphenol (and/or 3-Methylphenol)	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis(1-chloroispropyl)ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butylbenzylphthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Dinitrotoluene	2000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..OP_RES_LCS2_00014	10/31/26		Restek, Lot A0224695		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..OP_RES_LCS3_00011	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..OP_RES_LCSadd_00004	11/30/25		Agilent, Lot 0006819172		(Purchased Reagent)		1-Methylphenanthrene	2000 ug/mL
							2,3-Dichlorobenzenamine	2000 ug/mL
							Alpha Methyl Styrene	2000 ug/mL
							Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							icosane	2000 ug/mL
							n-Docosane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Tetradecane	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
OP_MINLCS2_MS_00162	06/16/25	05/23/25	ACETONE, Lot EI930-US	100 mL	OP_LCS 2_MS_00072	25 mL	Atrazine	12500 ppb
							Benzaldehyde	12500 ppb
							Caprolactam	12500 ppb
.OP_LCS 2_MS_00072	06/16/25	05/15/25	ACETONE, Lot EI930-US	400 mL	OP_LCSmix2stk_00010	10 mL	Atrazine	50000 ppb
							Benzaldehyde	50000 ppb
							Caprolactam	50000 ppb
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
OP_MINLCS2_MS_00163	06/16/25	06/05/25	ACETONE, Lot EI930-US	100 mL	OP_LCS 2_MS_00072	25 mL	Atrazine	12500 ppb
							Benzaldehyde	12500 ppb
							Caprolactam	12500 ppb
.OP_LCS 2_MS_00072	06/16/25	05/15/25	ACETONE, Lot EI930-US	400 mL	OP_LCSmix2stk_00010	10 mL	Atrazine	50000 ppb
							Benzaldehyde	50000 ppb
							Caprolactam	50000 ppb
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
WC_FL_Q_10OOH_00498	06/07/25	06/06/25	DI Water, Lot 13347	100 mL	WC_FL_Q_OOH_00018	1 mL	Phenols, Total	10 mg/L
.WC_FL_Q_OOH_00018	07/16/25	01/16/25	DI Water, Lot 13347	1000 mL	WC_FL_Q_OOH_00015	1 g	Phenols, Total	1000 mg/L
..WC_FL_Q_OOH_00015	12/20/28		SIGMA ALDRICH, Lot STBL0623		(Purchased Reagent)		Phenols, Total	1 g/g

Reagent

MS_BASICVstk_00006

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732.SEC **Lot No.:** A0216037

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7.SEC	E7DWH	99%	2,001.0 µg/mL	+/- 58.7906
2	epsilon-Caprolactam	105-60-2.SEC	BLJTB	99%	2,010.0 µg/mL	+/- 59.0551
3	Atrazine	1912-24-9.SEC	I4713000	99%	2,013.0 µg/mL	+/- 59.1432

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

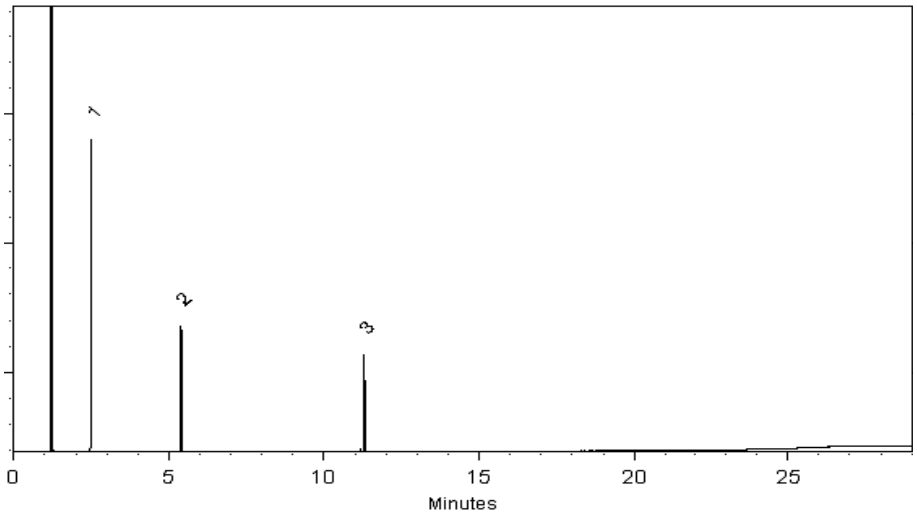
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman - Operations Tech I

Date Mixed: 04-Sep-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 06-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MS_RES_ICV2_00007

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730.SEC **Lot No.:** A0224696

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2026 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5.SEC	4458600	99%	2,014.7 µg/mL	+/- 37.2571
2	3,3'-Dichlorobenzidine	91-94-1.SEC	15337800	99%	2,017.3 µg/mL	+/- 37.3064

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

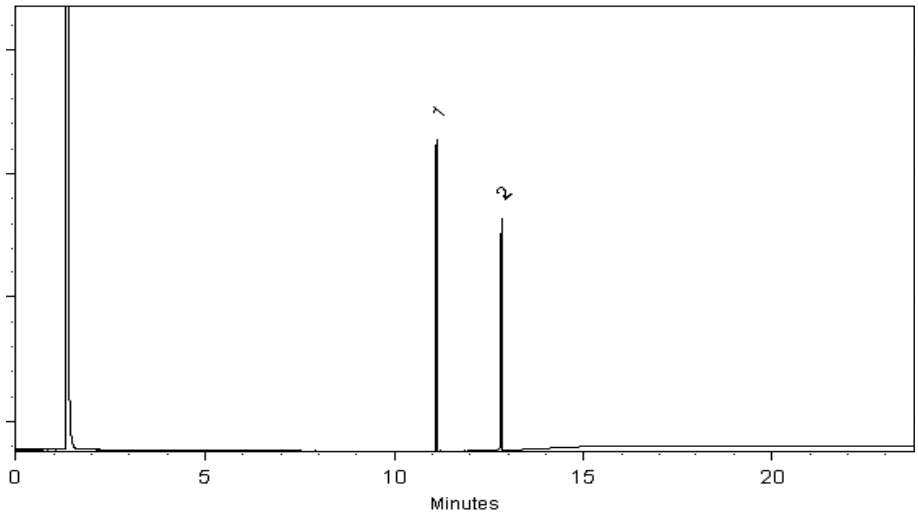
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 16-Apr-2025 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Apr-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MS_RES_ICV4_00009

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570667.SEC **Lot No.:** A0214847

Description : 8270 Supplemental Standard #1

8270 Supplemental Standard #1 1,000µg/mL, Methylene chloride, 1mL/ampul
Also described as 8270 List 2 / Std #1

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Picoline	109-06-8.SEC	PUXDM	99%	1,004.0 µg/mL	+/- 18.5897
2	N-Nitrosomethylethylamine	10595-95-6.SEC	C-RFS-156-7	99%	1,004.0 µg/mL	+/- 18.5897
3	Acrylamide	79-06-1.SEC	CQRXE	99%	1,005.0 µg/mL	+/- 18.6082
4	N-Nitrosodiethylamine	55-18-5.SEC	14436300	99%	1,001.0 µg/mL	+/- 18.5342
5	N-Nitrosopyrrolidine	930-55-2.SEC	13339800	99%	1,004.0 µg/mL	+/- 18.5897
6	o-Toluidine	95-53-4.SEC	42MPF	99%	1,000.0 µg/mL	+/- 18.5156
7	N-Nitrosomorpholine	59-89-2.SEC	14676500	99%	1,001.0 µg/mL	+/- 18.5342
8	N-Nitrosopiperidine	100-75-4.SEC	1-VAM-19-3	99%	1,002.0 µg/mL	+/- 18.5527
9	Phentermine (a,a-Dimethylphenethylamine)	122-09-8 *	231012JLM	99%	1,002.0 µg/mL	+/- 18.5527
10	Quinoline	91-22-5.SEC	H15Y033	99%	1,000.0 µg/mL	+/- 18.5156
11	N-Nitrosodi-n-butylamine	924-16-3.SEC	15225800	99%	1,000.0 µg/mL	+/- 18.5156
12	1,4-Phenylenediamine	106-50-3.SEC	4RPQC	99%	1,000.0 µg/mL	+/- 18.5156
13	1,4-Dinitrobenzene	100-25-4.SEC	RP230814S	99%	1,004.0 µg/mL	+/- 18.5897
14	1-Naphthylamine (1-aminonaphthalene)	134-32-7.SEC	RP220413	99%	1,001.0 µg/mL	+/- 18.5342
15	2-Naphthylamine (2-aminonaphthalene)	91-59-8.SEC	14839100	97%	1,002.0 µg/mL	+/- 18.5529

16	5-Nitro-o-toluidine	99-55-8.SEC	FHM03	99%	1,003.0	µg/mL	+/-	18.5712
17	1,3,5-Trinitrobenzene	99-35-4.SEC	17599	99%	1,000.0	µg/mL	+/-	18.5156
18	Phenacetin	62-44-2.SEC	NU3QA	99%	1,001.0	µg/mL	+/-	18.5342
19	4-Aminobiphenyl	92-67-1.SEC	81202620	99%	1,000.0	µg/mL	+/-	18.5156
20	Propyzamide	23950-58-5.SEC	BCCJ3170	99%	1,004.0	µg/mL	+/-	18.5897
21	Pentachloronitrobenzene (quintozene)	82-68-8.SEC	G990774	99%	1,000.0	µg/mL	+/-	18.5156
22	4-Nitroquinoline-N-oxide	56-57-5.SEC	I2DRK	99%	1,001.0	µg/mL	+/-	18.5342
23	p-Dimethylaminoazobenzene	60-11-7.SEC	RP220411S	99%	1,003.0	µg/mL	+/-	18.5712
24	3,3'-Dimethylbenzidine (o-tolidine)	119-93-7.SEC	RP220405S	99%	1,004.0	µg/mL	+/-	18.5897
25	2-Acetylaminofluorene	53-96-3.SEC	11324500	99%	1,003.0	µg/mL	+/-	18.5712
26	4,4'-Methylene-bis(2-chloroaniline)	101-14-4.SEC	RP220407S	96%	1,003.2	µg/mL	+/-	18.5749
27	Dibenz(a,h)acridine	226-36-8.SEC	CM-710-188-1	99%	1,003.0	µg/mL	+/-	18.5712

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

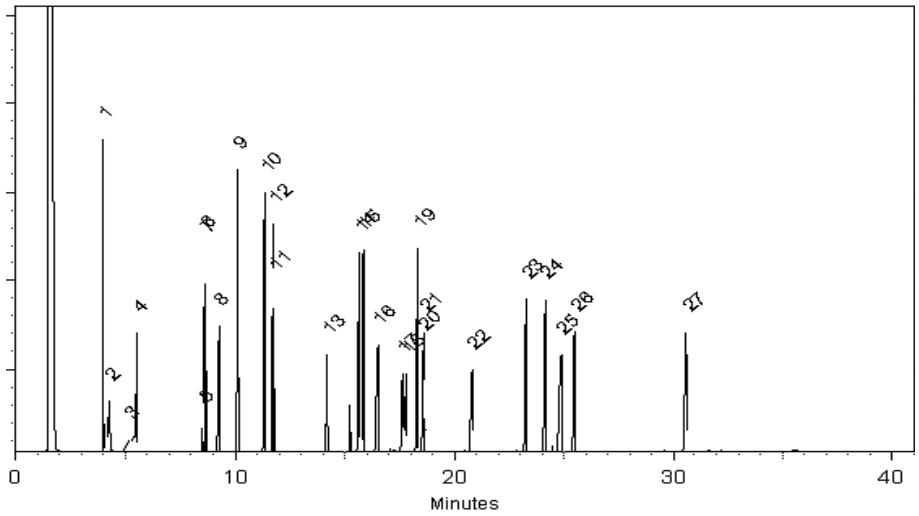
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 06-Aug-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 20-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MS_RES_ICV5_00014

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569733.SEC **Lot No.:** A0215414

Description : 8270 List 2 / Std #2 (2015)

8270 List 2 / Std #2 (2015) 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2025 **Storage:** -20°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl methanesulfonate	66-27-3.SEC	LO7ZB	99%	1,008.0 µg/mL	+/- 23.1406
2	Ethyl methanesulfonate	62-50-0.SEC	10207660	99%	1,008.0 µg/mL	+/- 23.1406
3	Pentachloroethane	76-01-7.SEC	817964	97%	999.1 µg/mL	+/- 22.9363
4	Hexachloropropene	1888-71-7.SEC	I4690500	98%	1,009.4 µg/mL	+/- 23.1727
5	Isosafrole (cis & trans) 12% cis; 88% trans	120-58-1.SEC	6732500	99%	1,008.0 µg/mL	+/- 23.1406
6	1-Chloronaphthalene	90-13-1 *	TXRHO	98%	1,007.4 µg/mL	+/- 23.1277
7	1,4-Naphthoquinone	130-15-4.SEC	FQB5E	99%	1,002.0 µg/mL	+/- 23.0028
8	Pentachlorobenzene	608-93-5.SEC	14839000	98%	1,003.5 µg/mL	+/- 23.0377
9	2,3,5,6-Tetrachlorophenol	935-95-5.SEC	RP231027RSR	99%	1,002.0 µg/mL	+/- 23.0028
10	Dinoseb	88-85-7.SEC	14147400	99%	1,004.0 µg/mL	+/- 23.0487
11	Isodrin	465-73-6.SEC	G1388008	99%	1,002.0 µg/mL	+/- 23.0028
12	Chlorobenzilate	510-15-6.SEC	G171850	99%	1,008.0 µg/mL	+/- 23.1406
13	7,12-Dimethylbenz(a)anthracene	57-97-6.SEC	10589600	99%	1,004.0 µg/mL	+/- 23.0487

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

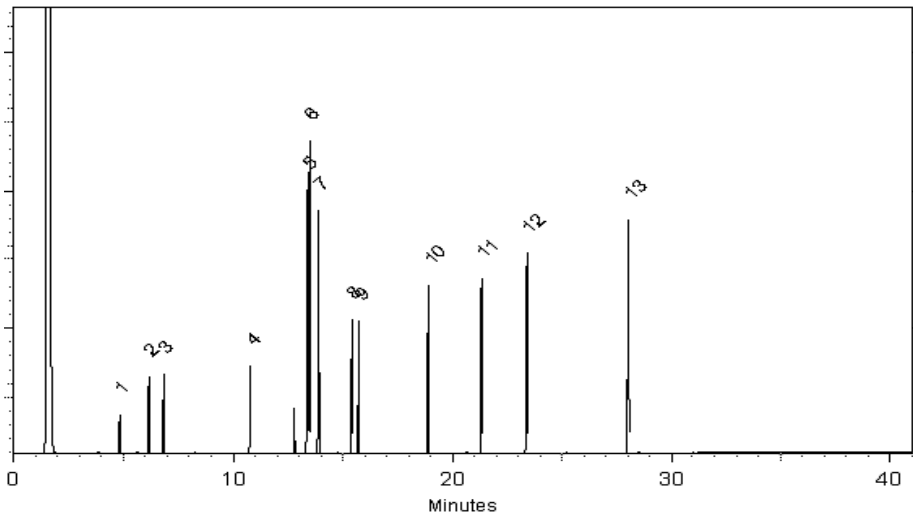
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 20-Aug-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 22-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MS_RES_ICV7_00006

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567681.SEC **Lot No.:** A0214408

Description : 8270 List 2 / Std #4

8270 List 2 / Std #4 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o,o,o-Triethyl phosphorothioate	126-68-1 *	2-KRR-57-1	98%	1,003.5 µg/mL	+/- 45.8129
2	Safrole	94-59-7.SEC	793000	99%	1,008.0 µg/mL	+/- 46.0175
3	Zinophos (thionazine)	297-97-2.SEC	G1302249	99%	1,006.0 µg/mL	+/- 45.9262
4	Sulfotepp	3689-24-5.SEC	G1018121	99%	1,002.0 µg/mL	+/- 45.7435
5	Diallate (cis and trans) 75% cis-Isomer; 25% trans-Isomer	2303-16-4.SEC	G1112714	96%	1,000.3 µg/mL	+/- 45.6668
6	Phorate	298-02-2.SEC	G1394764	98%	1,005.5 µg/mL	+/- 45.9024
7	Dimethoate	60-51-5.SEC	G1209610	99%	1,004.0 µg/mL	+/- 45.8348
8	Disulfoton	298-04-4.SEC	G1016814	99%	1,008.0 µg/mL	+/- 46.0175
9	Methyl parathion	298-00-0.SEC	G1143686	98%	1,001.6 µg/mL	+/- 45.7235
10	Parathion (ethyl parathion)	56-38-2.SEC	G166343	99%	1,006.0 µg/mL	+/- 45.9262
11	Aramite 2% Isomer 1; 2% Isomer 2; 36% Isomer 3; 60% Isomer 4	140-57-8 *	15149600	99%	1,002.0 µg/mL	+/- 45.7435
12	Famphur	52-85-7.SEC	G150065	98%	1,001.6 µg/mL	+/- 45.7235

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

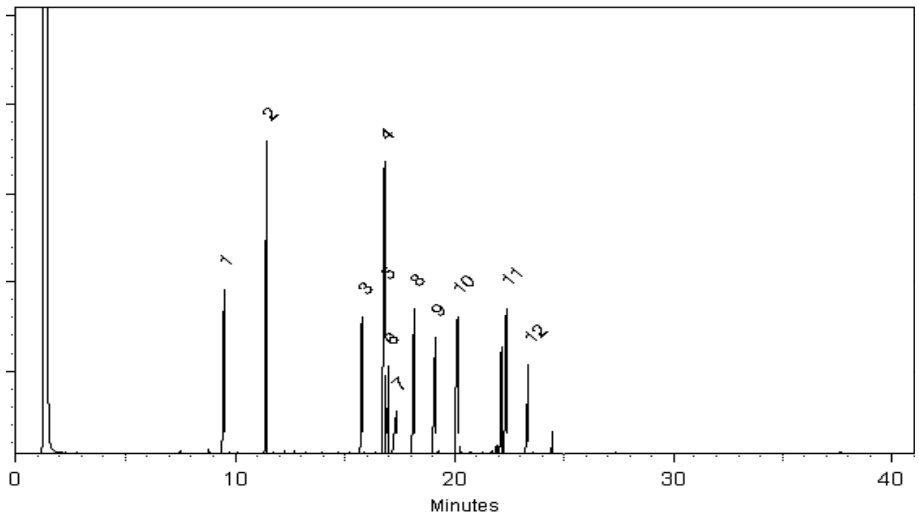
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 25-Jul-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

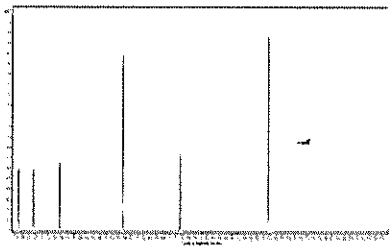
Reagent

MSS_8270_SURR_00007

Certificate of Analysis - Certified Reference Material

EPA 8270 Surrogate Standard

Product no.: CRM47960
Lot no.: LRAD7196
Expiry Date: December 2026
Manufacturing Date: November 2023
Storage: REFRIGERATE (2 °C to 8 °C)
Solvent/Matrix: DICHLOROMETHANE
Certificate version: LRAD7196.01 *(Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*



Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Raw Material Lot*
2-FLUOROPHENOL CAS# 367-12-4	4000 ± 92	µg/mL	99.9	STBJ2508
PHENOL-D6 CAS# 13127-88-3	4000 ± 95	µg/mL	99.6	MBBD4866
NITROBENZENE-D5 CAS# 4165-60-0	4000 ± 125	µg/mL	99.9	LB83753
2-FLUOROBIPHENYL CAS# 321-60-8	4000 ± 102	µg/mL	99.9	MKCS4107
2,4,6-TRIBROMOPHENOL CAS# 118-79-6	4000 ± 181	µg/mL	99.7	LB81262
P-TERPHENYL-D14 CAS# 1718-51-0	4000 ± 110	µg/mL	99.9	MBBD6075

ASSAY Method

METHOD: GC (IN-HOUSE)
Column: SLB-5ms, 30 m × 0.25 mm I.D., 0.25 µm film thickness
Carrier Gas: He Flow Rate: 1.0 mL/min
Inlet Temperature: 270 °C Injection Volume: 0.5 µL
Injection Mode: Split Ratio: 100:1
Temperature Program: 100 °C (Hold 1 min) @ 20 °C/min to 280 °C (Hold 4 min)
Detector: MSD Full Scan (40 – 400 m/z); Solvent Delay: 2.0 min Temperature: 280 °C; Quadrupole: 150 °C; Ion Source: 230 °C

Sigma-Aldrich RTC, 2931 Soldier Springs Rd. Laramie, WY 82070, USA;
Tel. 1 307-742-5452; Fax 1 855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.

Reagent

MSS_AB_24DNP_00009

CERTIFIED WEIGHT REPORT

Part Number: 70159
Lot Number: 011224
Description: 2,4-Dinitrophenol

Solvent(s): Methanol **Lot#** EH471-US

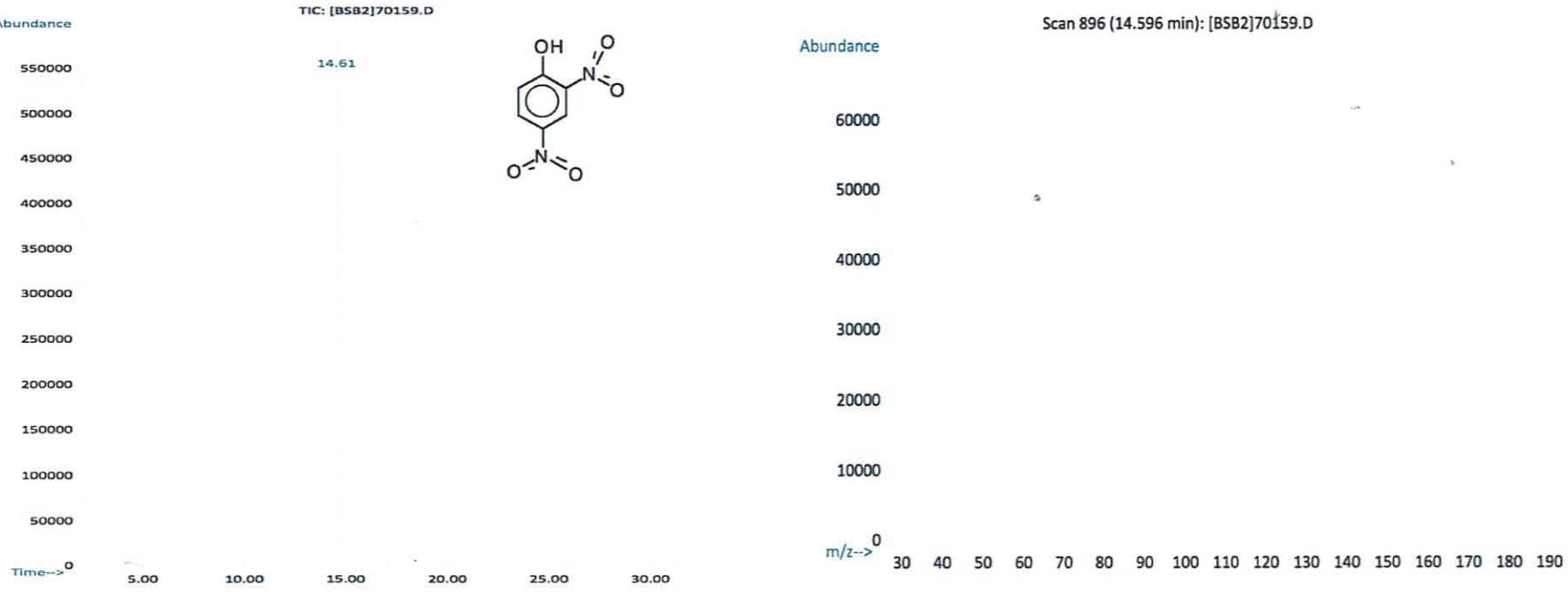
Expiration Date: 011229
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 100.0 ± 0.021 Flask Uncertainty; ± 5E-05 Balance Uncertainty

Formulated By:	Eli Aliaga	011224 DATE
Reviewed By:	Pedro L. Rentas	011224 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2,4-Dinitrophenol	159	011719	1000	98	0.2	0.10207	0.10213	1000.6	4.2	51-28-5	N/A	orl-rat 30mg/kg

Method GC8MSD-3.M: Column: (30m X 0.25mm ID X 0.25µm film thickness), Temp 1 = 50°C (1min.), Temp 2 = 300°C (4 min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 300°C. Analysis performed by Melissa Stonier.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_46D2MP_00006

CERTIFIED WEIGHT REPORT

Part Number: 70158
Lot Number: 082824
Description: 4,6-Dinitro-2-methylphenol

Solvent(s): Methanol **Lot#** EH869-US

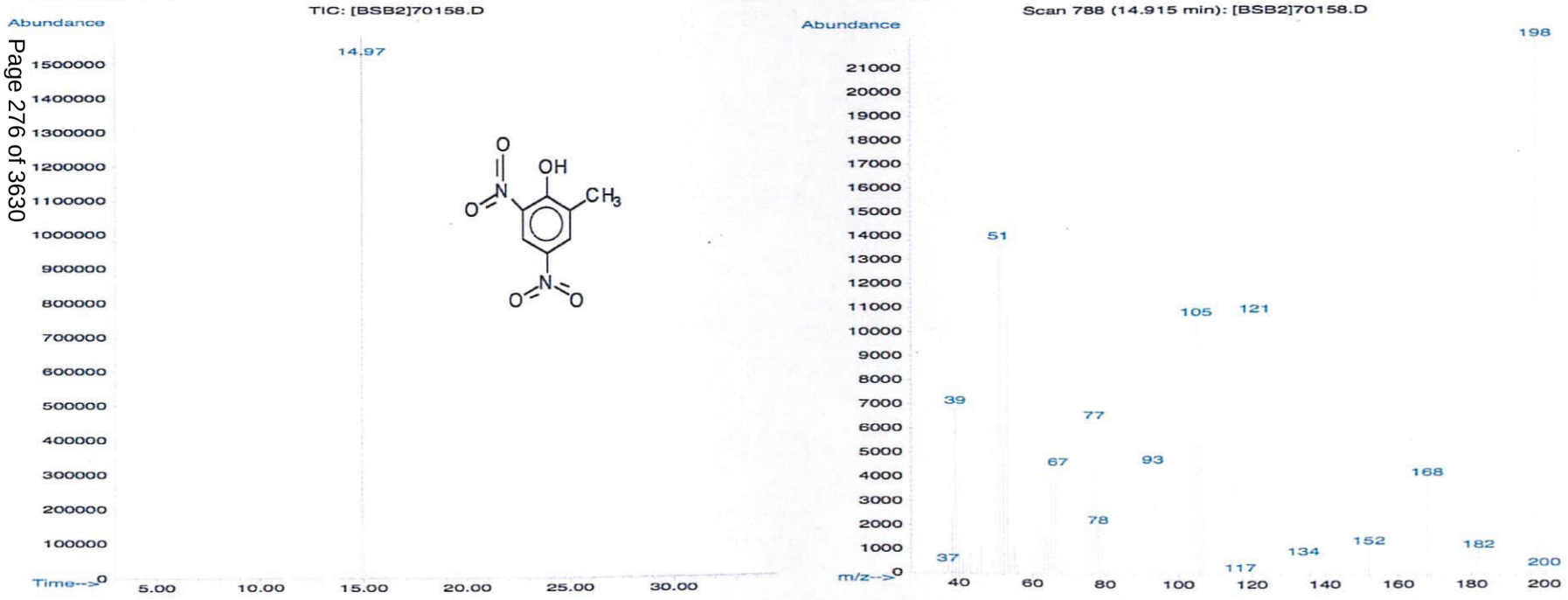
Expiration Date: 082829
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0
0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	082824 DATE
Reviewed By:	Pedro L. Rentas	082824 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 4,6-Dinitro-2-methylphenol	158	BCCJ7293	1000	99.8	0.2	0.05013	0.05023	1002.0	4.5	534-52-1	N/A	N/A

Method GC18MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_4NP_00006

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

06/17/2025

CERTIFIED WEIGHT REPORT

Part Number: 70231
Lot Number: 021323
Description: 4-Nitrophenol

Solvent(s): **Lot#**
Methanol EF282-US

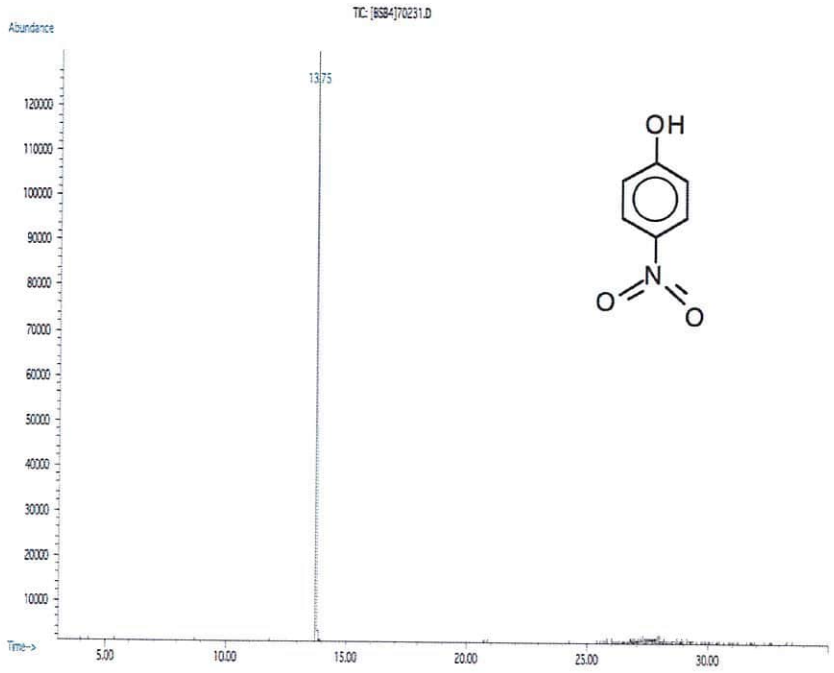
Expiration Date: 021328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

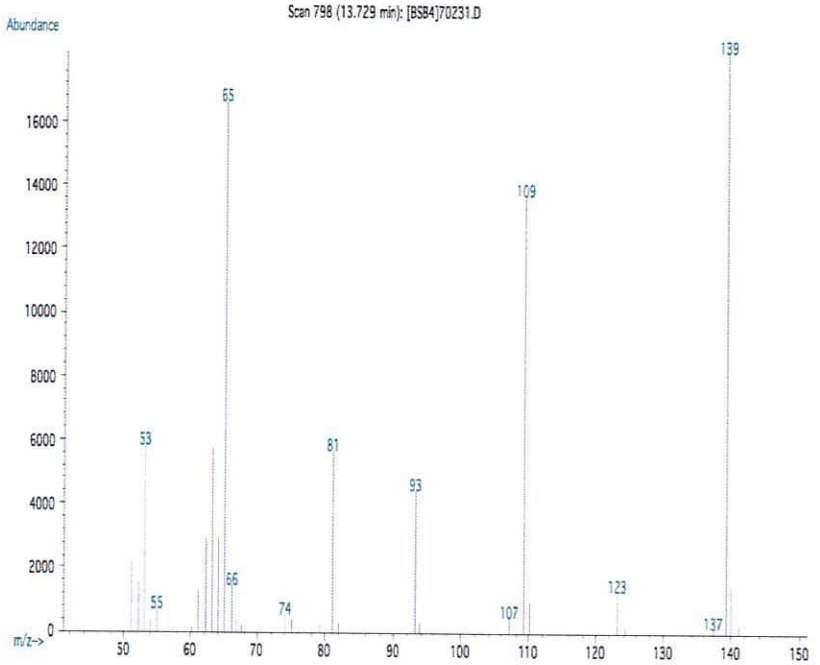
Formulated By:	Benson Chan	021323 DATE
Reviewed By:	Pedro L. Rentas	021323 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 4-Nitrophenol	231	FGM01	1000	99	0.2	0.10101	0.10123	1002.1	4.2	100-02-7	N/A	orl-rat 250mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.





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- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_BZIDIN_00011

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 43124
Lot Number: 102722
Description: Benzidine

Solvent: Methylene chloride Lot# C21F09CAS0000DCM

Expiration Date: 102725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

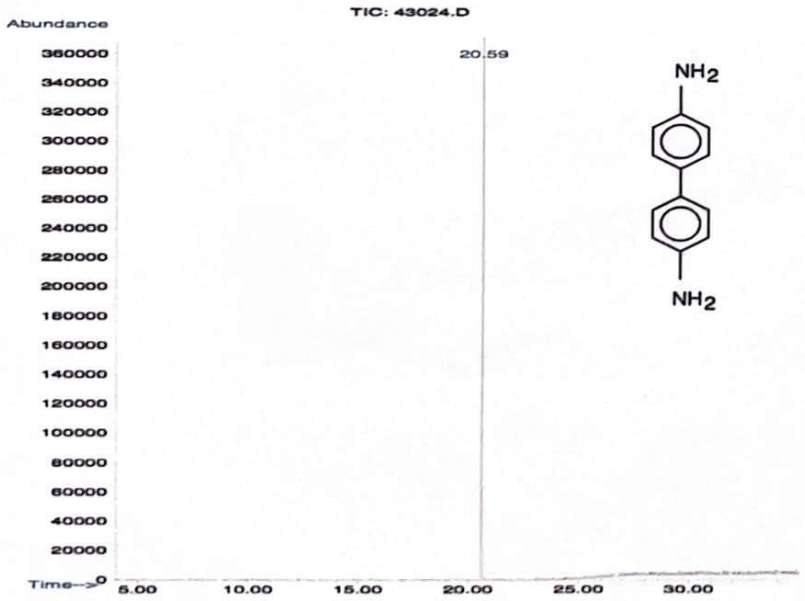
Weight(s) shown below were combined and diluted to (mL): 30.0

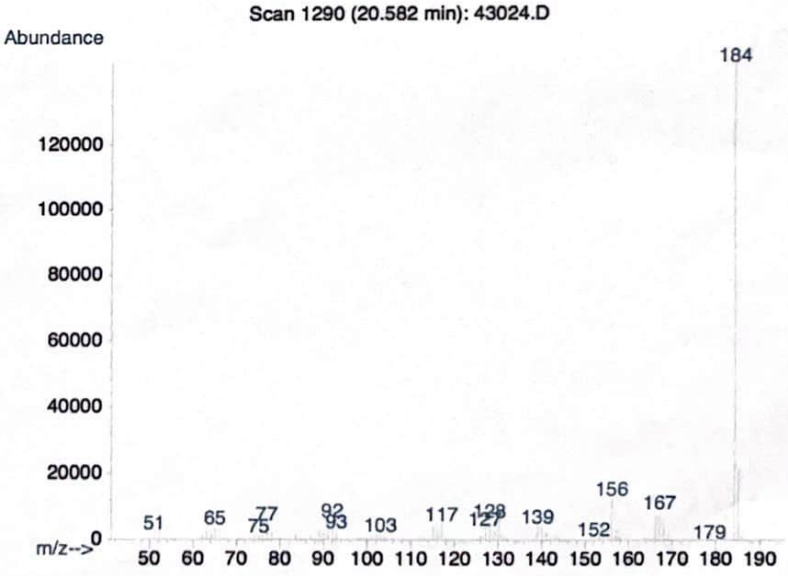
Formulated By:	Prashant Chauhan	102722 DATE
Reviewed By:	Pedro L. Rentas	102722 DATE

5E-05 Balance Uncertainty
0.0003 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	5000	98	0.2	0.15314	0.15324	5003.1	20.7	92-87-5	N/A	orl-rat 309mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Nicole Davis.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
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Reagent

MSS_AB_DFTPP_00016

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

06/17/2025

CERTIFIED WEIGHT REPORT

Part Number: 43030
Lot Number: 072022
Description: CLP Semi-Volatile Tuning Standard
4 components
Expiration Date: 072025
~~Recommended Storage:~~ ~~Refrigerate (4 °C)~~
Nominal Concentration (µg/mL): 500
NIST Test ID#: 6UTB

Solvent(s): Methylene chloride **Lot#** 105345

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

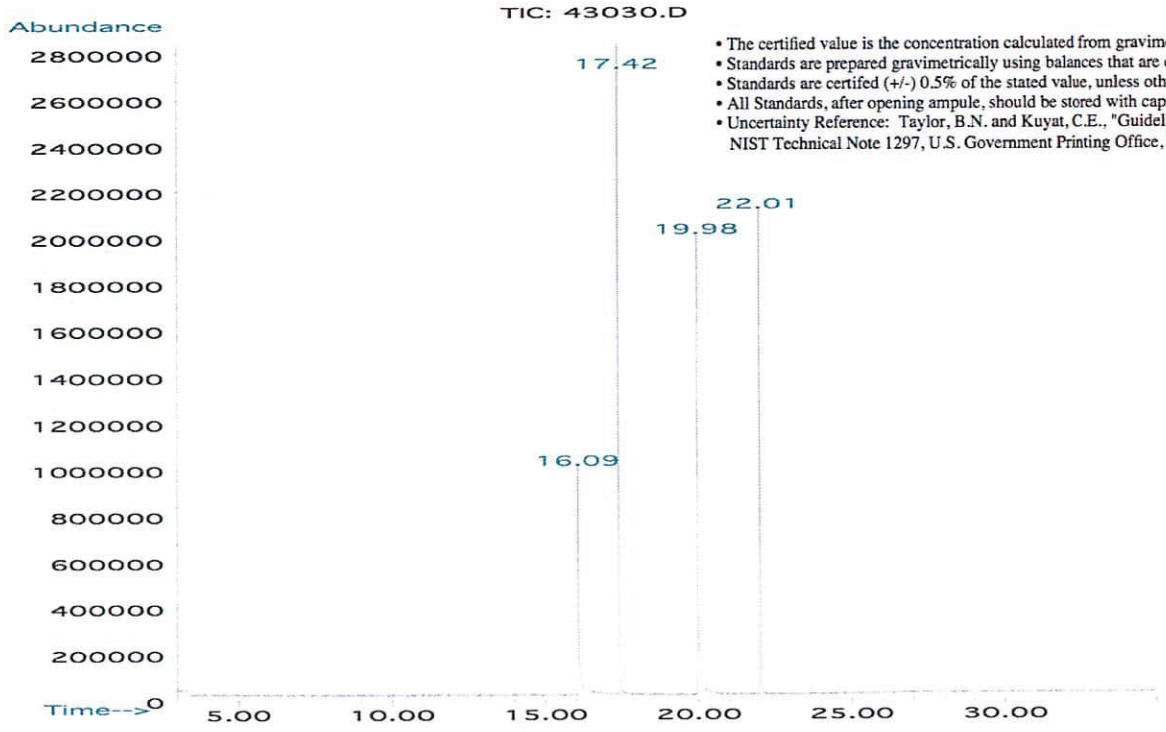
Weight(s) shown below were combined and diluted to (mL): 200.0

CAUTION: Sonicate Before Use

	Formulated By:	Gabriel Helland	072022 DATE
	Reviewed By:	Pedro L. Rentas	072022 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	500	98	0.2	0.10205	0.10215	500.5	2.1	92-87-5	N/A	orl-rat 309mg/kg
2. 4,4'-DDT	101	04029MM	500	99	0.2	0.10102	0.10106	500.2	2.1	50-29-3	N/A	orl-rat 87mg/kg
3. Decafluorotriphenylphosphine	105	10220909	500	97	0.2	0.10311	0.10327	500.8	2.1	5074-71-5	N/A	N/A
4. Pentachlorophenol	243	06324ED	500	98	0.2	0.10205	0.10222	500.8	2.1	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Retention Time (min.)

Pentachlorophenol	16.09
Decafluorotriphenylphosphine	17.42
Benzidine	19.98
4,4'-DDT	22.01

Reagent

MSS_AB_DFTPP_00018

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 43030
Lot Number: 102124
Description: CLP Semi-Volatile Tuning Standard
4 components
Expiration Date: 102127
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 500
NIST Test ID#: 6UTB

Solvent(s): Methylene chloride **Lot#** 23343

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

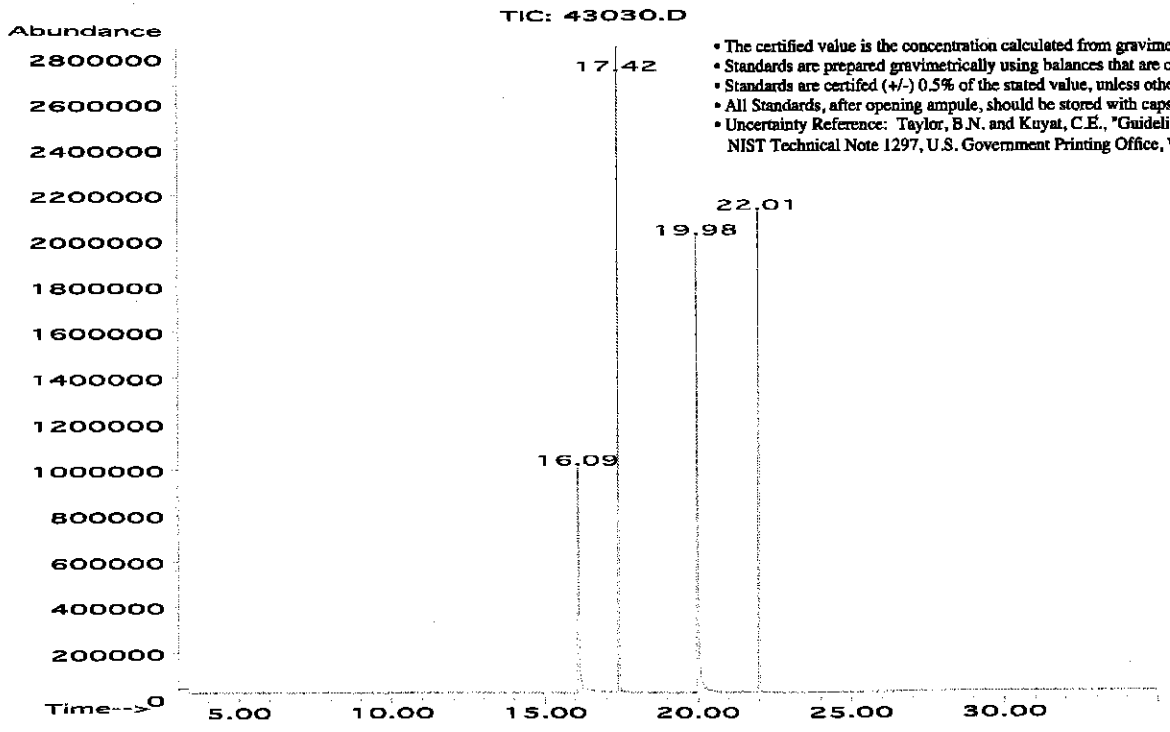
Formulated By: Lawrence Barry	102124 DATE
Reviewed By: Pedro L. Rentas	102124 DATE

CAUTION: Sonicate Before Use

RM#/LOT# CHECK

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	500	98	0.2	0.10206	0.10216	500.5	2.1	92-87-5	N/A	orl-rat 309mg/kg
2. 4,4'-DDT	101	04029MM	500	99	0.2	0.10103	0.10114	500.5	2.1	50-29-3	N/A	orl-rat 87mg/kg
3. Decafluorotriphenylphosphine	105	10220909	500	97	0.2	0.10311	0.10323	500.6	2.1	5074-71-5	N/A	N/A
4. Pentachlorophenol	243	06324ED	500	98	0.2	0.10206	0.10218	500.6	2.1	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Retention Time (min.)

Pentachlorophenol	16.09
Decafluorotriphenylphosphine	17.42
Benzidine	19.98
4,4'-DDT	22.01

Reagent

MSS_AB_KEPONE_00005

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

06/17/2025

CERTIFIED WEIGHT REPORT

Part Number: 70433
Lot Number: 011821
Description: Kepone

Expiration Date: 011826
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

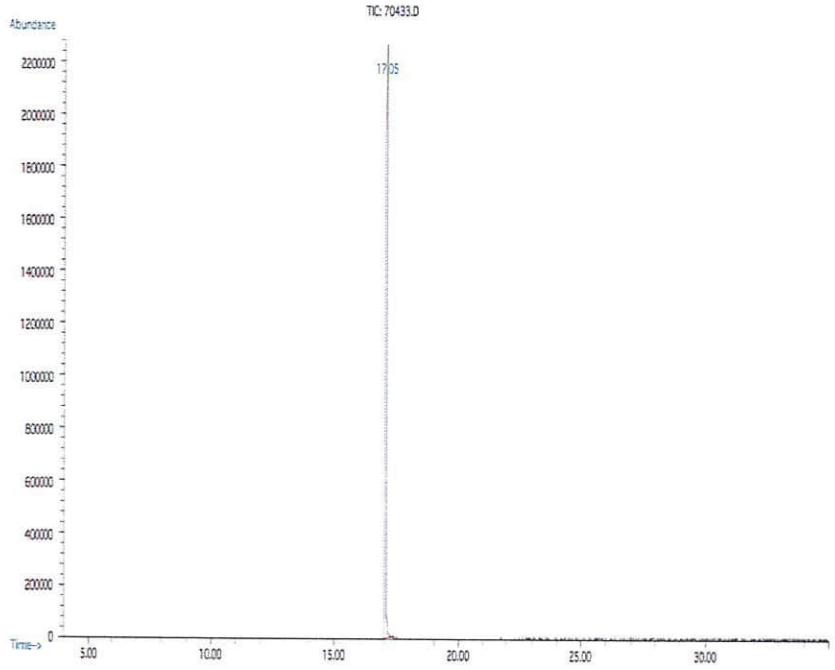
Solvent(s): **Lot#**
Acetone 81025

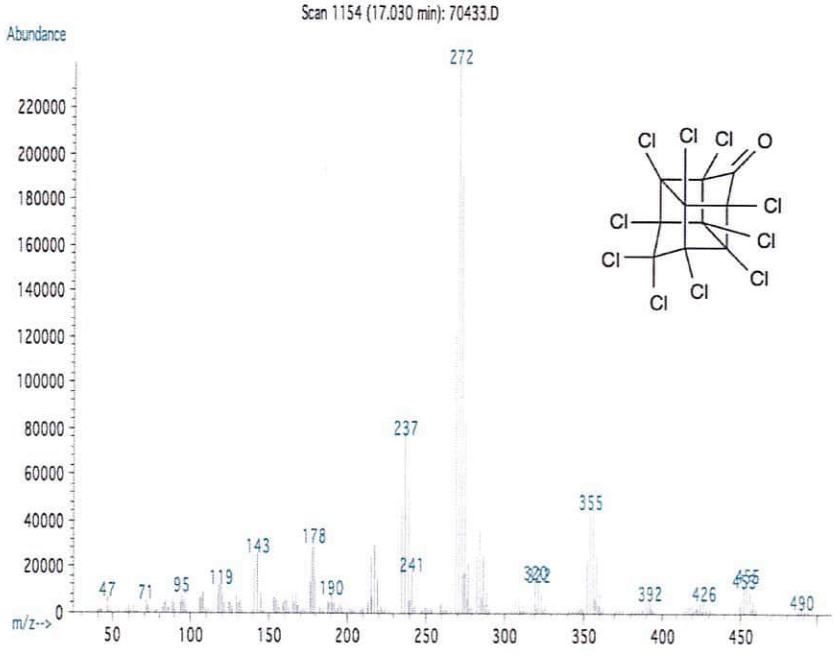
		011821
Formulated By:	Benson Chan	DATE
		011821
Reviewed By:	Pedro L. Rentas	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Kepone	433	020191JC	1000	99	0.2	0.10102	0.10120	1001.8	4.3	143-50-0	N/A	N/A

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_METH_00006

CERTIFIED WEIGHT REPORT

Part Number: 70402
Lot Number: 010324
Description: Methapyrilene hydrochloride

Solvent(s): Methanol **Lot#** EH485-US

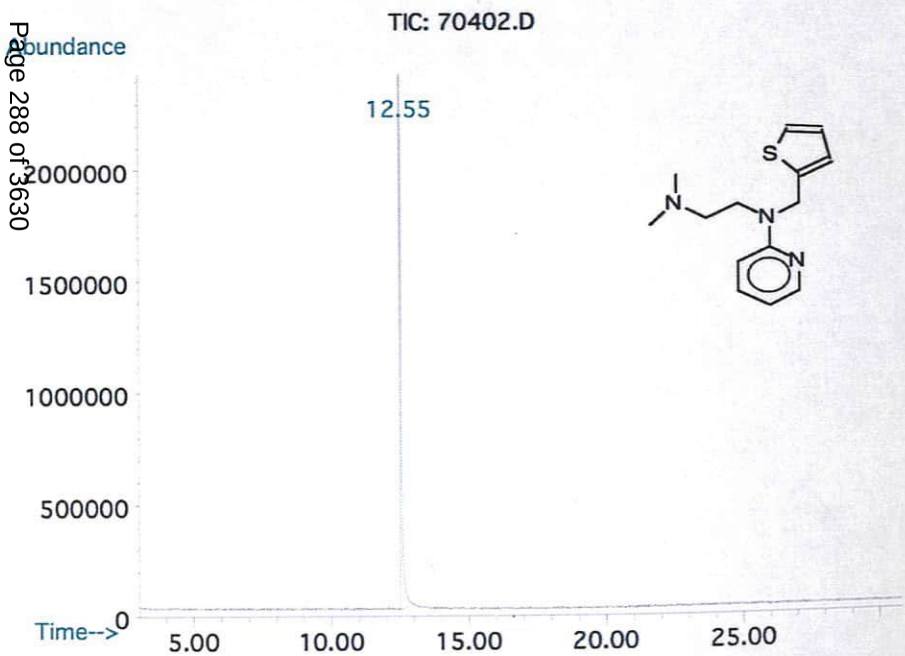
Expiration Date: 010327
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.0038 Flask Uncertainty

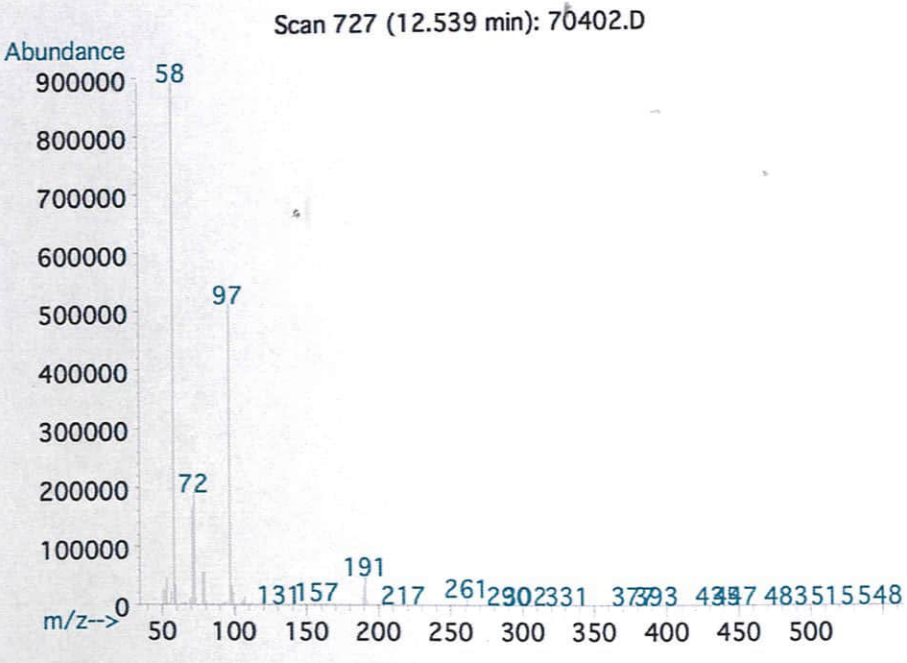
Prashant Chauhan 010324
Formulated By: Prashant Chauhan DATE

Pedro Rentas 010324
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Methapyrilene hydrochloride	402	37F-0929	1000	99	0.2	0.02527	0.02540	1005.3	5.7	135-23-9	N/A	orl-rat 521mg/kg

Method GC8MSD-7.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Gina McLane.





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- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_PCP_00004

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79261
Lot Number: 062222
Description: Pentachlorophenol

Expiration Date: 062227
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Acetone 81025

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

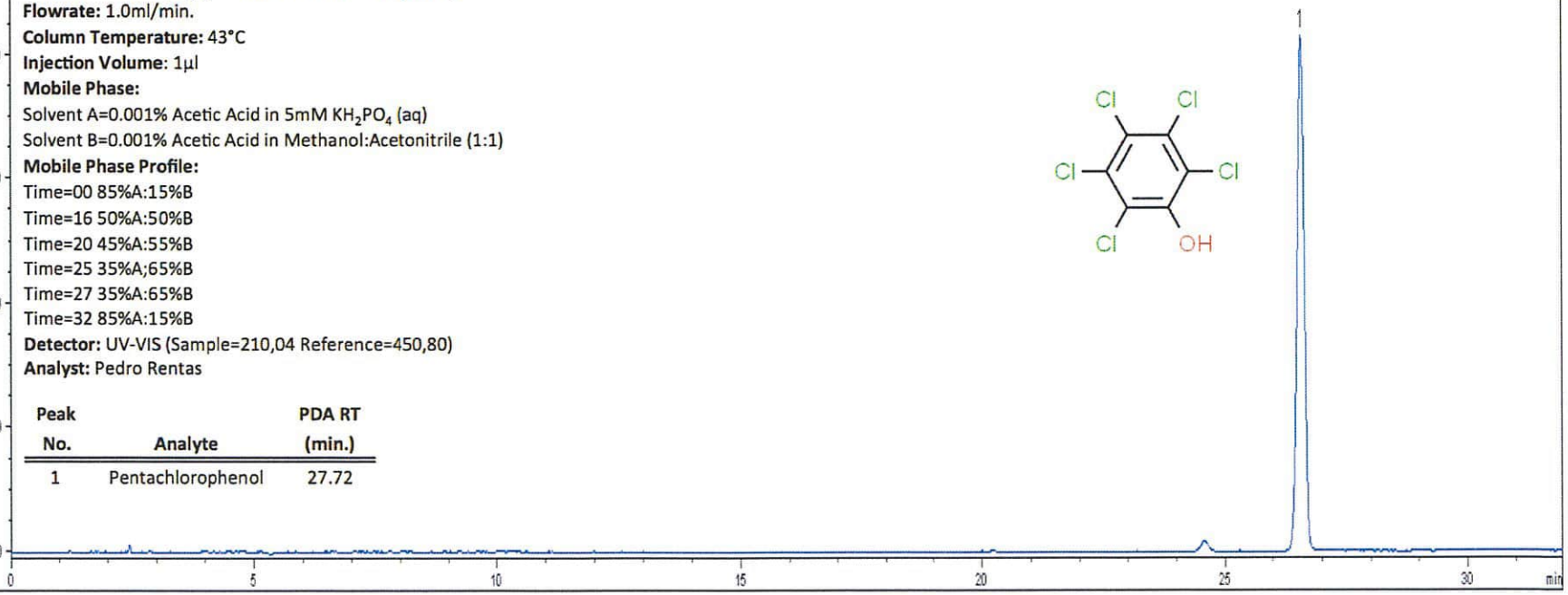
	062222
Formulated By: Benson Chan	DATE
	062222
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Pentachlorophenol	243	06324ED	1000	98	0.2	0.05106	0.05112	1001.1	4.5	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method: EPA8150
Column: Discovery C_{18} (150mm X 4.6mm ID X 5µm df)
Flowrate: 1.0ml/min.
Column Temperature: 43°C
Injection Volume: 1µl
Mobile Phase:
Solvent A=0.001% Acetic Acid in 5mM KH_2PO_4 (aq)
Solvent B=0.001% Acetic Acid in Methanol:Acetonitrile (1:1)
Mobile Phase Profile:
Time=00 85%A:15%B
Time=16 50%A:50%B
Time=20 45%A:55%B
Time=25 35%A;65%B
Time=27 35%A:65%B
Time=32 85%A:15%B
Detector: UV-VIS (Sample=210,04 Reference=450,80)
Analyst: Pedro Rentas

Peak No.	Analyte	PDA RT (min.)
1	Pentachlorophenol	27.72



Reagent

MSS_FV8270_IS_00006

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 576940 **Lot No.:** A0200416

Description : Custom Internal Standard

Custom Internal Standard 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	1,005.6 µg/mL	+/- 45.2921
2	Naphthalene-d8	1146-65-2	M-2180	99%	1,005.4 µg/mL	+/- 45.2846
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	1,005.3 µg/mL	+/- 45.2771
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	1,005.1 µg/mL	+/- 45.2696
5	Pyrene-d10	1718-52-1	PR-30304	99%	1,005.2 µg/mL	+/- 45.2733
6	Perylene-d12	1520-96-3	PR-33205	99%	1,005.3 µg/mL	+/- 45.2771

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

MSS_FV8270_IS_00007

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 576940 **Lot No.:** A0221275

Description : Custom Internal Standard

Custom Internal Standard 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	1,003.0 µg/mL	+/- 45.1922
2	Naphthalene-d8	1146-65-2	M-2180	99%	1,005.0 µg/mL	+/- 45.2823
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	1,003.0 µg/mL	+/- 45.1922
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	1,000.0 µg/mL	+/- 45.0570
5	Pyrene-d10	1718-52-1	PR-30304	99%	1,000.0 µg/mL	+/- 45.0570
6	Perylene-d12	1520-96-3	PR-33205	99%	1,006.0 µg/mL	+/- 45.3273

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

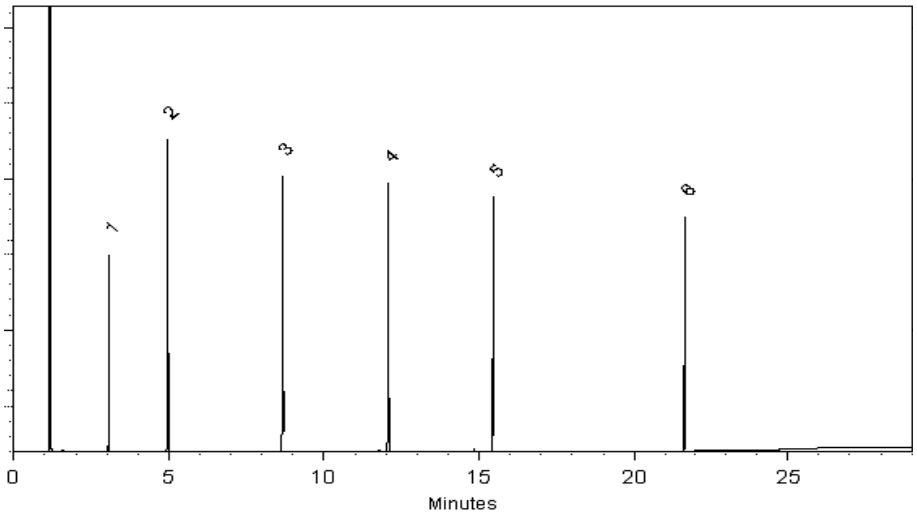
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 24-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSS_FV8270_IS_00009

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 576940 **Lot No.:** A0223654

Description : Custom Internal Standard

Custom Internal Standard 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	1,007.7 µg/mL	+/- 45.3889
2	Naphthalene-d8	1146-65-2	M-2180	99%	1,006.3 µg/mL	+/- 45.3229
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	1,006.9 µg/mL	+/- 45.3499
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	1,007.9 µg/mL	+/- 45.3949
5	Pyrene-d10	1718-52-1	PR-30304	99%	1,006.3 µg/mL	+/- 45.3259
6	Perylene-d12	1520-96-3	PR-33205	99%	1,007.6 µg/mL	+/- 45.3829

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

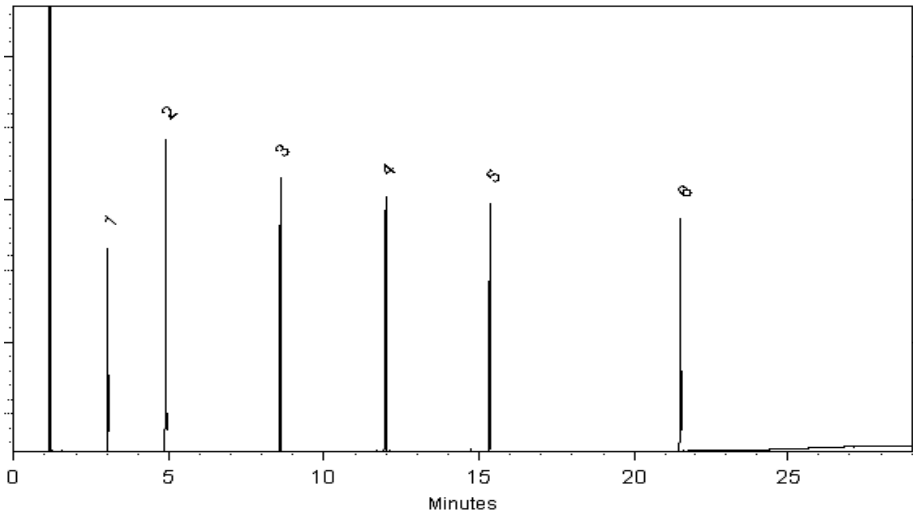
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 20-Mar-2025 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 25-Mar-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

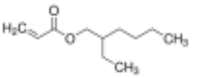
Reagent

MSV_2Eth6Acry_00001

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
2-Ethylhexyl acrylate - 98%, contains ≥0.001-≤0.11% monomethyl ether hydroquinone as stabilizer



Product Number:	**290815**
Batch Number:	**MKCN1302**
Brand:	ALDRICH
CAS Number:	103-11-7
MDL Number:	MFCD00009495
Formula:	C11H20O2
Formula Weight:	184.28 g/mol
Quality Release Date:	01 SEP 2020

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 97.5 %	99.6 %
Stabilizer Monomethyl Ether Hydroquinone (MEHQ)	0.001 - 0.110 %	0.002 %

Michael Grady, Manager
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Reagent

MSV_8260_SS_01309

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30240 **Lot No.:** A0209669

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,508.3 µg/mL	+/- 140.9026
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,520.3 µg/mL	+/- 141.5767
3	Toluene-d8	2037-26-5	PR-34141	99%	2,518.3 µg/mL	+/- 141.4644
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,517.0 µg/mL	+/- 141.3941

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

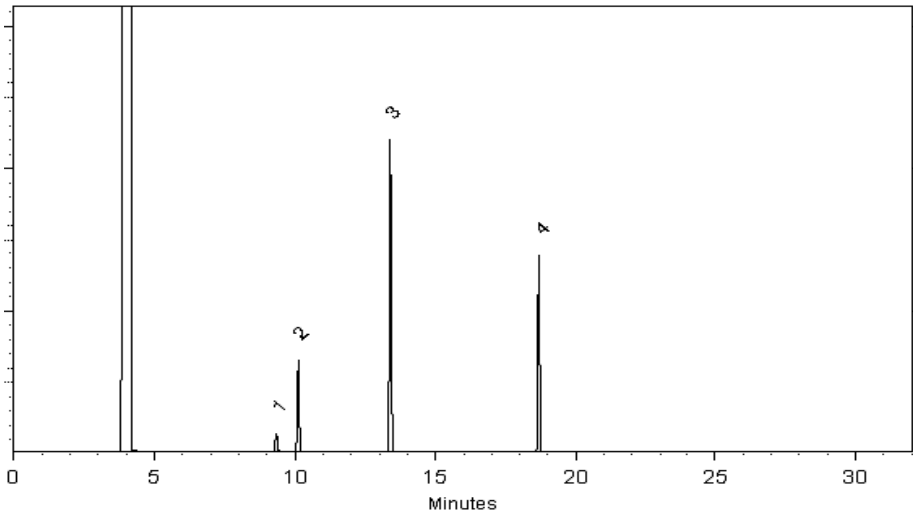
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 01-Apr-2024 **Balance Serial #** 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 03-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_8260_SS_01384

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30240 **Lot No.:** A0213335

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,506.3 µg/mL	+/- 140.7903
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,503.5 µg/mL	+/- 140.6358
3	Toluene-d8	2037-26-5	PR-34141	99%	2,505.3 µg/mL	+/- 140.7341
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,506.0 µg/mL	+/- 140.7762

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

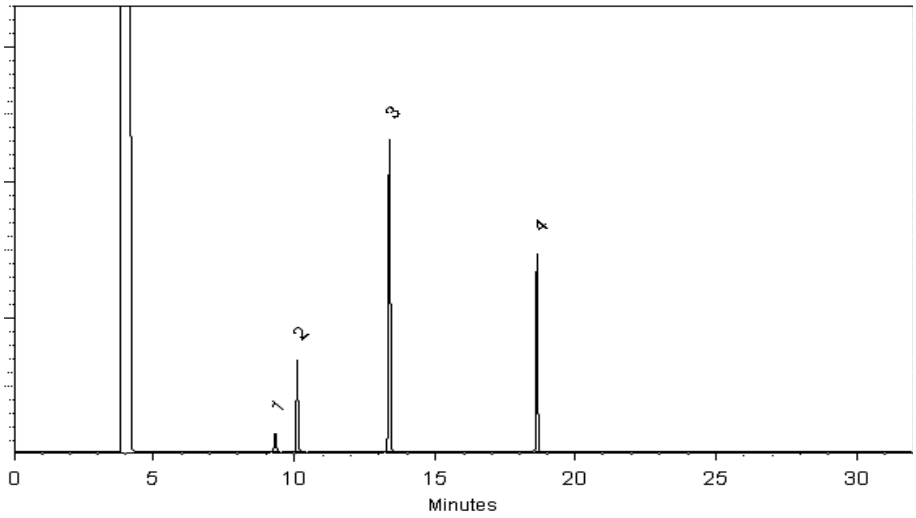
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 01-Jul-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Jul-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_8260_SS_01417

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30240 **Lot No.:** A0217887

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,515.3 µg/mL	+/- 141.2958
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,504.3 µg/mL	+/- 140.6779
3	Toluene-d8	2037-26-5	PR-34141	99%	2,513.8 µg/mL	+/- 141.2116
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	2,517.3 µg/mL	+/- 141.4082

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

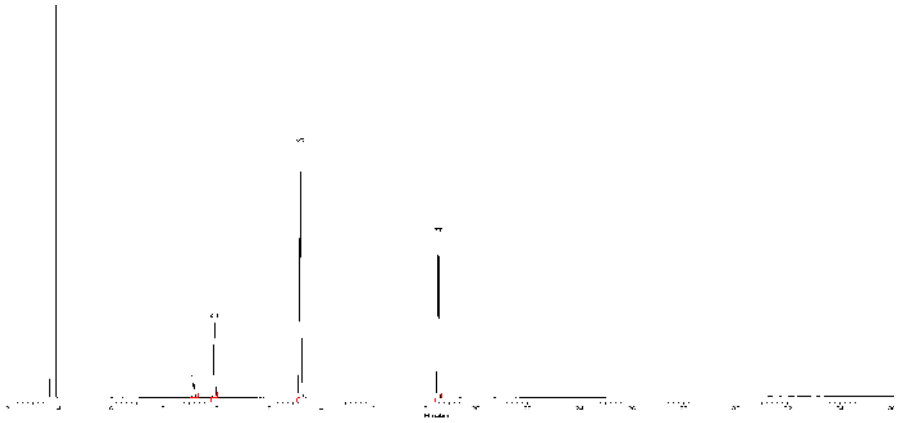
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman - Operations Tech I

Date Mixed: 15-Oct-2024 **Balance Serial #** B251644995

John Lidgett - AD Chemist

Date Passed: 23-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_CCV_GASES_01005

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488 **Lot No.:** A0212054

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

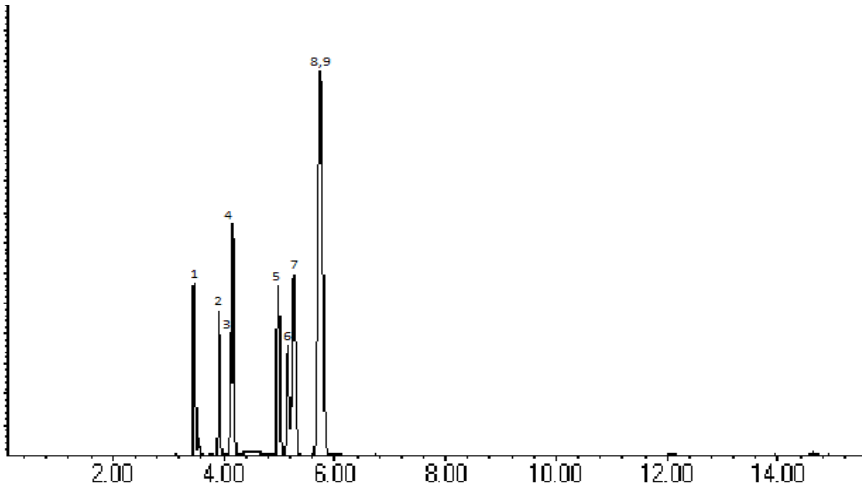
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024 **Balance Serial #** B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_CCV_GASES_01048

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488 **Lot No.:** A0212054

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

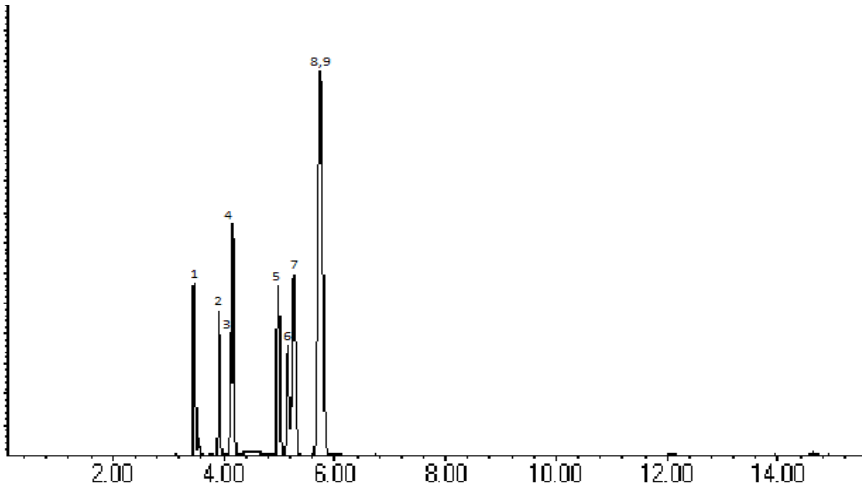
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024 **Balance Serial #** B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 558267 **Lot No.:** A0203141

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,504.0 µg/mL	+/- 155.5359
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,503.5 µg/mL	+/- 31.1565
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,502.0 µg/mL	+/- 31.1378
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,504.5 µg/mL	+/- 31.1689

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

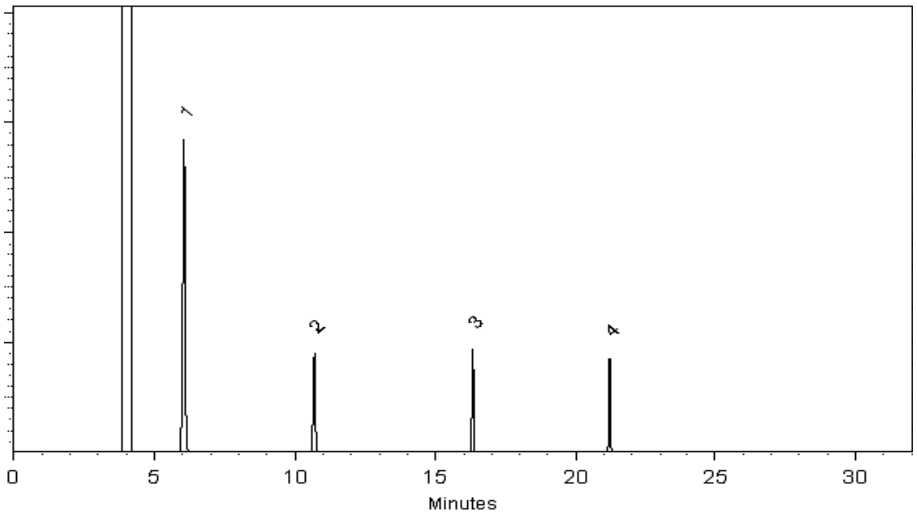
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Cus826_IS_00672

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 558267 **Lot No.:** A0203141

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,504.0 µg/mL	+/- 155.5359
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,503.5 µg/mL	+/- 31.1565
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,502.0 µg/mL	+/- 31.1378
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,504.5 µg/mL	+/- 31.1689

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

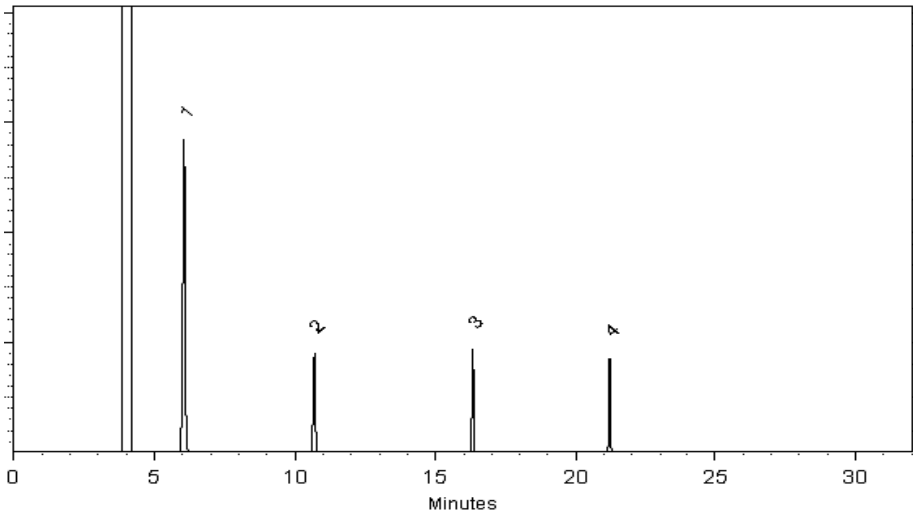
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Cus826_IS_00729

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CERTIFIED REFERENCE MATERIAL

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 558267 **Lot No.:** A0203141

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,504.0 µg/mL	+/- 155.5359
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,503.5 µg/mL	+/- 31.1565
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,502.0 µg/mL	+/- 31.1378
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,504.5 µg/mL	+/- 31.1689

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

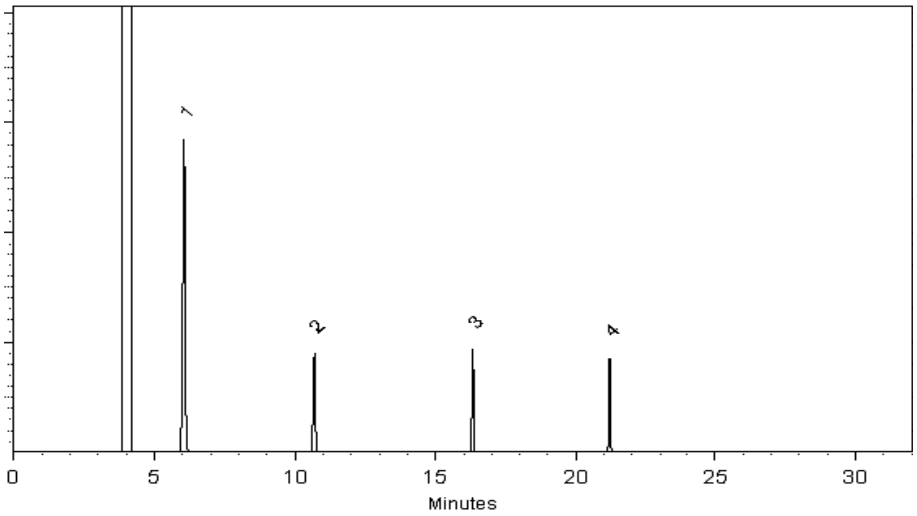
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_M_MIX1SEC_00263

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577493 **Lot No.:** A0211284

Description : Custom VOC MegaMix®.SEC #1 Standard

Custom VOC MegaMix®.SEC #1 Standard 1,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-Dichloroethene	75-35-4.SEC	13896500	99%	1,004.5 µg/mL	+/- 57.7085
2	Methylene chloride (dichloromethane)	75-09-2.SEC	FGM02	99%	1,004.4 µg/mL	+/- 57.7027
3	trans-1,2-Dichloroethene	156-60-5.SEC	L5QOH	99%	1,003.9 µg/mL	+/- 57.6783
4	1,1-Dichloroethane	75-34-3.SEC	1026.30-3	98%	1,006.0 µg/mL	+/- 57.8000
5	2,2-Dichloropropane	594-20-7.SEC	I7E8E	99%	1,005.2 µg/mL	+/- 57.7516
6	cis-1,2-Dichloroethene	156-59-2.SEC	YZO5O	99%	1,004.3 µg/mL	+/- 57.6987
7	Chloroform	67-66-3.SEC	1297547	99%	1,003.9 µg/mL	+/- 57.6769
8	Bromochloromethane	74-97-5.SEC	13547000	99%	1,004.4 µg/mL	+/- 57.7079
9	1,1,1-Trichloroethane	71-55-6.SEC	14183000	99%	1,005.0 µg/mL	+/- 57.7415
10	1,1-Dichloropropene	563-58-6.SEC	556500	99%	1,003.8 µg/mL	+/- 57.6723
11	Carbon tetrachloride	56-23-5.SEC	11466	99%	1,003.9 µg/mL	+/- 57.6783
12	1,2-Dichloroethane	107-06-2.SEC	00016165	99%	1,003.1 µg/mL	+/- 57.6295
13	Benzene	71-43-2.SEC	B28Y008	99%	1,005.0 µg/mL	+/- 57.7401
14	Trichloroethene	79-01-6.SEC	H04X050	99%	1,003.3 µg/mL	+/- 57.6438
15	1,2-Dichloropropane	78-87-5.SEC	ERRBI-RH	99%	1,003.7 µg/mL	+/- 57.6639
16	Bromodichloromethane	75-27-4.SEC	28128	99%	1,004.8 µg/mL	+/- 57.7300

17	Dibromomethane	74-95-3.SEC	MOKKJ	99%	1,004.5	µg/mL	+/- 57.7136
18	cis-1,3-Dichloropropene	10061-01-5.SEC	487OA	98%	1,004.8	µg/mL	+/- 57.7296
19	Toluene	108-88-3.SEC	YND2B-BD	99%	1,004.1	µg/mL	+/- 57.6872
20	trans-1,3-Dichloropropene	10061-02-6.SEC	ZDMSL	98%	1,006.1	µg/mL	+/- 57.8042
21	1,1,2-Trichloroethane	79-00-5.SEC	13547100	99%	1,003.8	µg/mL	+/- 57.6711
22	1,3-Dichloropropane	142-28-9.SEC	IQCON	99%	1,003.6	µg/mL	+/- 57.6573
23	Tetrachloroethene	127-18-4.SEC	F09W014	99%	1,003.9	µg/mL	+/- 57.6769
24	Dibromochloromethane	124-48-1.SEC	10234064	99%	1,003.9	µg/mL	+/- 57.6740
25	1,2-Dibromoethane (EDB)	106-93-4.SEC	050675P15E	99%	1,003.7	µg/mL	+/- 57.6677
26	Chlorobenzene	108-90-7.SEC	1161936	99%	1,004.0	µg/mL	+/- 57.6826
27	1,1,1,2-Tetrachloroethane	630-20-6.SEC	13789800	99%	1,003.4	µg/mL	+/- 57.6458
28	Ethylbenzene	100-41-4.SEC	XO5UA	99%	1,004.6	µg/mL	+/- 57.7148
29	m-Xylene	108-38-3.SEC	7ZV6F	99%	1,004.8	µg/mL	+/- 57.7263
30	p-Xylene	106-42-3.SEC	D6UOA	99%	1,004.6	µg/mL	+/- 57.7171
31	o-Xylene	95-47-6.SEC	UJ6RI	99%	1,005.4	µg/mL	+/- 57.7619
32	Styrene	100-42-5.SEC	QGQ7F	99%	1,003.8	µg/mL	+/- 57.6711
33	Isopropylbenzene (cumene)	98-82-8.SEC	7P24L	99%	1,005.3	µg/mL	+/- 57.7573
34	Bromoform	75-25-2.SEC	13723500	99%	1,003.9	µg/mL	+/- 57.6783
35	1,1,2,2-Tetrachloroethane	79-34-5.SEC	BCCD5088	99%	1,003.8	µg/mL	+/- 57.6711
36	1,2,3-Trichloropropane	96-18-4.SEC	6V2ED	99%	1,003.2	µg/mL	+/- 57.6367
37	n-Propylbenzene	103-65-1.SEC	XCGEC	99%	1,004.1	µg/mL	+/- 57.6895
38	Bromobenzene	108-86-1.SEC	8DKWJ	99%	1,004.2	µg/mL	+/- 57.6964
39	1,3,5-Trimethylbenzene	108-67-8.SEC	GI2SM	99%	1,004.3	µg/mL	+/- 57.7022
40	2-Chlorotoluene	95-49-8.SEC	BRHPM	99%	1,003.7	µg/mL	+/- 57.6642
41	4-Chlorotoluene	106-43-4.SEC	S5SKD	99%	1,004.6	µg/mL	+/- 57.7171
42	tert-Butylbenzene	98-06-6.SEC	D6OHC	99%	1,004.4	µg/mL	+/- 57.7033
43	1,2,4-Trimethylbenzene	95-63-6.SEC	JHZDD	99%	1,004.6	µg/mL	+/- 57.7148
44	sec-Butylbenzene	135-98-8.SEC	O4HRF	99%	1,005.1	µg/mL	+/- 57.7470
45	4-Isopropyltoluene (p-cymene)	99-87-6.SEC	13889300	98%	1,004.1	µg/mL	+/- 57.6911
46	1,3-Dichlorobenzene	541-73-1.SEC	ZA2ZI	99%	1,003.6	µg/mL	+/- 57.6611
47	1,4-Dichlorobenzene	106-46-7.SEC	J5GVD	99%	1,005.3	µg/mL	+/- 57.7559
48	n-Butylbenzene	104-51-8.SEC	MMPGA	99%	1,005.4	µg/mL	+/- 57.7642
49	1,2-Dichlorobenzene	95-50-1.SEC	R6QDM	99%	1,004.0	µg/mL	+/- 57.6812
50	1,2-Dibromo-3-chloropropane	96-12-8.SEC	Q135-105	99%	1,004.2	µg/mL	+/- 57.6964
51	1,2,4-Trichlorobenzene	120-82-1.SEC	3LYYC	99%	1,004.6	µg/mL	+/- 57.7182
52	Hexachlorobutadiene	87-68-3.SEC	13889400	97%	1,004.2	µg/mL	+/- 57.6965

53	Naphthalene	91-20-3.SEC	AM5NG	99%	1,002.7	µg/mL	+/- 57.6079
54	1,2,3-Trichlorobenzene	87-61-6.SEC	A0043055	99%	1,004.6	µg/mL	+/- 57.7194

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

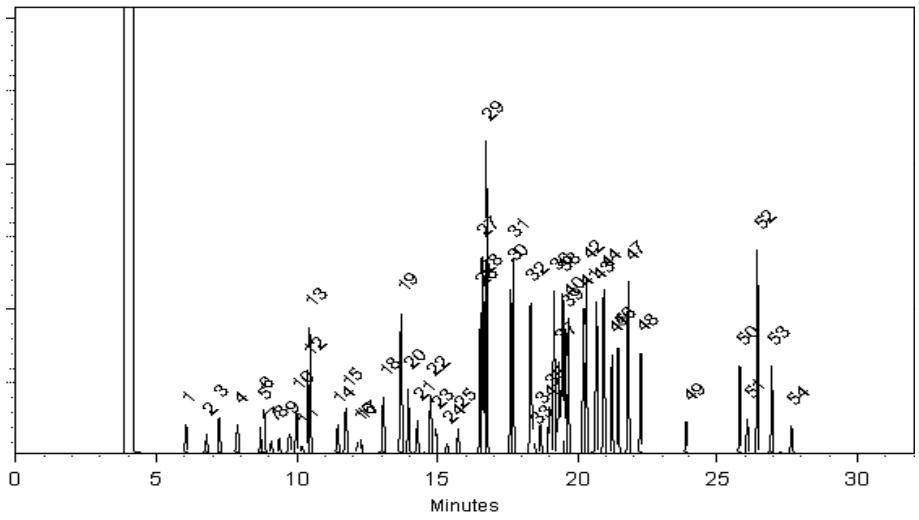
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 10-May-2024 **Balance Serial #** 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_M_MIX2SEC_00259

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577494 **Lot No.:** A0212017

Description : Custom VOC MegaMix®.SEC #2 Standard

Custom VOC MegaMix®.SEC #2 Standard 1,000-50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0.SEC	FGH02	99%	1,010.0 µg/mL	+/- 16.5203
2	2-Propanol (isopropanol)	67-63-0.SEC	7B8ZE	99%	7,521.0 µg/mL	+/- 122.9828
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC	18342	99%	1,010.0 µg/mL	+/- 16.5203
4	tert-Butanol (TBA)	75-65-0.SEC	5REPK	99%	10,058.5 µg/mL	+/- 164.4758
5	Methyl acetate	79-20-9.SEC	LV27M	99%	1,005.5 µg/mL	+/- 16.4467
6	Iodomethane (methyl iodide)	74-88-4.SEC	Y25A027	99%	1,008.5 µg/mL	+/- 16.4957
7	Allyl chloride (3-chloropropene)	107-05-1.SEC	RD210329	99%	1,010.0 µg/mL	+/- 16.5203
8	Carbon disulfide	75-15-0.SEC	MKBL1376V	99%	1,005.0 µg/mL	+/- 16.4385
9	Acrylonitrile	107-13-1.SEC	V54AD	99%	5,033.0 µg/mL	+/- 82.2992
10	Methyl-tert-butyl ether (MTBE)	1634-04-4.SEC	ZHKYA	99%	1,009.0 µg/mL	+/- 16.5039
11	n-Hexane (C6)	110-54-3.SEC	10188491	99%	1,002.5 µg/mL	+/- 16.3976
12	Diisopropyl ether (DIPE)	108-20-3.SEC	LL7TN-SH	99%	1,004.0 µg/mL	+/- 16.4221
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	1,004.5 µg/mL	+/- 16.4303
14	Ethyl-tert-butyl ether (ETBE)	637-92-3.SEC	UCI5B	98%	1,005.0 µg/mL	+/- 16.4383
15	Propionitrile	107-12-0.SEC	B4ZPC	99%	7,531.5 µg/mL	+/- 123.1545
16	Methacrylonitrile	126-98-7	1012014	99%	7,552.0 µg/mL	+/- 123.4897

17	Isobutanol (2-Methyl-1-propanol)	78-83-1.SEC	PH2XK	99%	25,152.5	µg/mL	+/- 411.2916
18	Tetrahydrofuran	109-99-9.SEC	3NYHE	99%	5,019.0	µg/mL	+/- 82.0703
19	Cyclohexane	110-82-7.SEC	YADRA	99%	1,005.0	µg/mL	+/- 16.4385
20	1-Butanol	71-36-3.SEC	LIE2D	99%	50,148.0	µg/mL	+/- 820.0105
21	tert-Amyl methyl ether (TAME)	994-05-8.SEC	12075100	98%	1,008.4	µg/mL	+/- 16.4944
22	n-Heptane (C7)	142-82-5.SEC	TFHUC	99%	1,003.5	µg/mL	+/- 16.4139
23	tert-Amyl ethyl ether (TAEE)	919-94-8.SEC	14406100	98%	1,008.9	µg/mL	+/- 16.5024
24	Methylcyclohexane	108-87-2.SEC	Q02QG	99%	1,006.0	µg/mL	+/- 16.4548
25	Methyl methacrylate	80-62-6.SEC	G01X021	99%	1,002.5	µg/mL	+/- 16.3976
26	1,4-Dioxane	123-91-1.SEC	QHRWO	99%	25,103.0	µg/mL	+/- 410.4822
27	2-Nitropropane	79-46-9.SEC	F43IA	99%	1,007.0	µg/mL	+/- 16.4712
28	Ethyl methacrylate	97-63-2.SEC	AQSPO	99%	1,006.5	µg/mL	+/- 16.4630
29	1-Chlorohexane	544-10-5.SEC	14420900	99%	1,002.0	µg/mL	+/- 16.3894
30	trans-1,4-Dichloro-2-butene	110-57-6.SEC	RD240522S	97%	5,007.6	µg/mL	+/- 81.8843
31	1,2,3-Trimethylbenzene	526-73-8.SEC	12203300	99%	1,008.0	µg/mL	+/- 16.4876
32	1,3-Diethylbenzene	141-93-5.SEC	113566-1	99%	1,006.5	µg/mL	+/- 16.4630
33	Benzyl chloride	100-44-7.SEC	H29N03	99%	1,003.5	µg/mL	+/- 16.4139
34	1,4-Diethylbenzene	105-05-5.SEC	FBQ02	98%	1,007.9	µg/mL	+/- 16.4864
35	1,2-Diethylbenzene	135-01-3.SEC	BCBF3667V	99%	1,005.5	µg/mL	+/- 16.4467
36	1,3,5-Trichlorobenzene	108-70-3.SEC	I28U021	99%	1,002.0	µg/mL	+/- 16.3894
37	2-Methylnaphthalene	91-57-6.SEC	76023-1	99%	1,002.5	µg/mL	+/- 16.3976

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

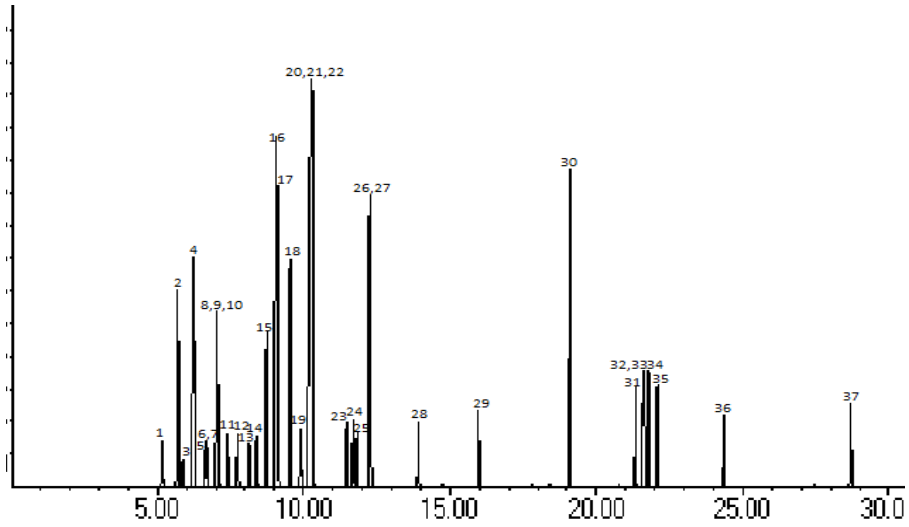
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 24-May-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 04-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_M_MIX2SEC_00260

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577494 **Lot No.:** A0212017

Description : Custom VOC MegaMix®.SEC #2 Standard

Custom VOC MegaMix®.SEC #2 Standard 1,000-50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0.SEC	FGH02	99%	1,010.0 µg/mL	+/- 16.5203
2	2-Propanol (isopropanol)	67-63-0.SEC	7B8ZE	99%	7,521.0 µg/mL	+/- 122.9828
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC	18342	99%	1,010.0 µg/mL	+/- 16.5203
4	tert-Butanol (TBA)	75-65-0.SEC	5REPK	99%	10,058.5 µg/mL	+/- 164.4758
5	Methyl acetate	79-20-9.SEC	LV27M	99%	1,005.5 µg/mL	+/- 16.4467
6	Iodomethane (methyl iodide)	74-88-4.SEC	Y25A027	99%	1,008.5 µg/mL	+/- 16.4957
7	Allyl chloride (3-chloropropene)	107-05-1.SEC	RD210329	99%	1,010.0 µg/mL	+/- 16.5203
8	Carbon disulfide	75-15-0.SEC	MKBL1376V	99%	1,005.0 µg/mL	+/- 16.4385
9	Acrylonitrile	107-13-1.SEC	V54AD	99%	5,033.0 µg/mL	+/- 82.2992
10	Methyl-tert-butyl ether (MTBE)	1634-04-4.SEC	ZHKYA	99%	1,009.0 µg/mL	+/- 16.5039
11	n-Hexane (C6)	110-54-3.SEC	10188491	99%	1,002.5 µg/mL	+/- 16.3976
12	Diisopropyl ether (DIPE)	108-20-3.SEC	LL7TN-SH	99%	1,004.0 µg/mL	+/- 16.4221
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	1,004.5 µg/mL	+/- 16.4303
14	Ethyl-tert-butyl ether (ETBE)	637-92-3.SEC	UCI5B	98%	1,005.0 µg/mL	+/- 16.4383
15	Propionitrile	107-12-0.SEC	B4ZPC	99%	7,531.5 µg/mL	+/- 123.1545
16	Methacrylonitrile	126-98-7	1012014	99%	7,552.0 µg/mL	+/- 123.4897

17	Isobutanol (2-Methyl-1-propanol)	78-83-1.SEC	PH2XK	99%	25,152.5	µg/mL	+/- 411.2916
18	Tetrahydrofuran	109-99-9.SEC	3NYHE	99%	5,019.0	µg/mL	+/- 82.0703
19	Cyclohexane	110-82-7.SEC	YADRA	99%	1,005.0	µg/mL	+/- 16.4385
20	1-Butanol	71-36-3.SEC	LIE2D	99%	50,148.0	µg/mL	+/- 820.0105
21	tert-Amyl methyl ether (TAME)	994-05-8.SEC	12075100	98%	1,008.4	µg/mL	+/- 16.4944
22	n-Heptane (C7)	142-82-5.SEC	TFHUC	99%	1,003.5	µg/mL	+/- 16.4139
23	tert-Amyl ethyl ether (TAEE)	919-94-8.SEC	14406100	98%	1,008.9	µg/mL	+/- 16.5024
24	Methylcyclohexane	108-87-2.SEC	Q02QG	99%	1,006.0	µg/mL	+/- 16.4548
25	Methyl methacrylate	80-62-6.SEC	G01X021	99%	1,002.5	µg/mL	+/- 16.3976
26	1,4-Dioxane	123-91-1.SEC	QHRWO	99%	25,103.0	µg/mL	+/- 410.4822
27	2-Nitropropane	79-46-9.SEC	F43IA	99%	1,007.0	µg/mL	+/- 16.4712
28	Ethyl methacrylate	97-63-2.SEC	AQSPO	99%	1,006.5	µg/mL	+/- 16.4630
29	1-Chlorohexane	544-10-5.SEC	14420900	99%	1,002.0	µg/mL	+/- 16.3894
30	trans-1,4-Dichloro-2-butene	110-57-6.SEC	RD240522S	97%	5,007.6	µg/mL	+/- 81.8843
31	1,2,3-Trimethylbenzene	526-73-8.SEC	12203300	99%	1,008.0	µg/mL	+/- 16.4876
32	1,3-Diethylbenzene	141-93-5.SEC	113566-1	99%	1,006.5	µg/mL	+/- 16.4630
33	Benzyl chloride	100-44-7.SEC	H29N03	99%	1,003.5	µg/mL	+/- 16.4139
34	1,4-Diethylbenzene	105-05-5.SEC	FBQ02	98%	1,007.9	µg/mL	+/- 16.4864
35	1,2-Diethylbenzene	135-01-3.SEC	BCBF3667V	99%	1,005.5	µg/mL	+/- 16.4467
36	1,3,5-Trichlorobenzene	108-70-3.SEC	I28U021	99%	1,002.0	µg/mL	+/- 16.3894
37	2-Methylnaphthalene	91-57-6.SEC	76023-1	99%	1,002.5	µg/mL	+/- 16.3976

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

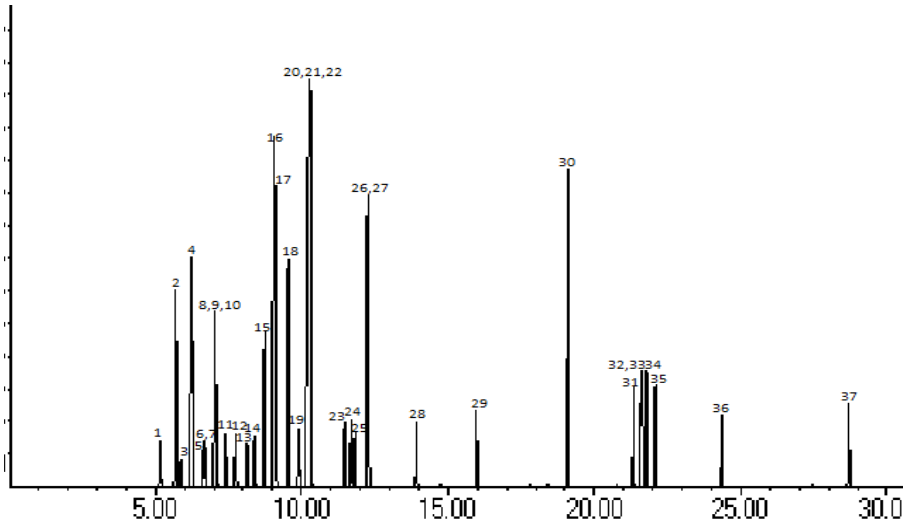
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 24-May-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 04-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMIX#1_00229

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577486 **Lot No.:** A0211483

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBG8609V	99%	5,038.8 µg/mL	+/- 283.8004
2	Methylene chloride (dichloromethane)	75-09-2	231383	99%	5,013.9 µg/mL	+/- 282.3994
3	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	5,020.8 µg/mL	+/- 282.7901
4	1,1-Dichloroethane	75-34-3	852900	99%	5,007.1 µg/mL	+/- 282.0157
5	2,2-Dichloropropane	594-20-7	RP231114CTH	99%	5,045.8 µg/mL	+/- 284.2162
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.3 µg/mL	+/- 284.4180
7	chloroform	67-66-3	SHBN8469	99%	5,032.5 µg/mL	+/- 283.4484
8	Bromochloromethane	74-97-5	S231117RSR	99%	5,043.2 µg/mL	+/- 284.0707
9	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	5,043.7 µg/mL	+/- 284.0785
10	1,1-Dichloropropene	563-58-6	S240215ECS	99%	5,045.2 µg/mL	+/- 284.1833
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,042.8 µg/mL	+/- 284.0292
12	1,2-Dichloroethane	107-06-2	SHBQ5408	99%	5,007.8 µg/mL	+/- 282.0579
13	Benzene	71-43-2	MKCS3357	99%	5,011.2 µg/mL	+/- 282.2682
14	Trichloroethene	79-01-6	SHBQ6161	99%	5,019.9 µg/mL	+/- 282.7408
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,041.1 µg/mL	+/- 283.9307
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,014.1 µg/mL	+/- 282.4134

17	Dibromomethane	74-95-3	107151T06C	99%	5,019.6	µg/mL	+/- 282.7423
18	cis-1,3-Dichloropropene	10061-01-5	RP231025CTH	99%	5,036.1	µg/mL	+/- 283.6490
19	Toluene	108-88-3	MKCS9989	99%	5,027.9	µg/mL	+/- 283.2117
20	trans-1,3-Dichloropropene	10061-02-6	RP231025CTH-1	98%	5,002.6	µg/mL	+/- 281.7640
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,010.4	µg/mL	+/- 282.2022
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,043.1	µg/mL	+/- 284.0660
23	Tetrachloroethene	127-18-4	SHBQ0051	99%	5,014.8	µg/mL	+/- 282.4522
24	dibromochloromethane	124-48-1	MKCT4871	99%	5,042.3	µg/mL	+/- 283.9976
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,041.7	µg/mL	+/- 283.9862
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,013.3	µg/mL	+/- 282.3642
27	1,1,1,2-Tetrachloroethane	630-20-6	TMWGK	99%	5,025.2	µg/mL	+/- 283.0568
28	Ethylbenzene	100-41-4	094632T20F	99%	5,042.0	µg/mL	+/- 284.0050
29	m-Xylene	108-38-3	SHBN6673	99%	5,042.2	µg/mL	+/- 284.0143
30	p-Xylene	106-42-3	SHBP5191	99%	5,038.1	µg/mL	+/- 283.7843
31	o-Xylene	95-47-6	50069309	99%	5,047.2	µg/mL	+/- 284.2960
32	Styrene	100-42-5	MKCQ3390	99%	5,038.9	µg/mL	+/- 283.8313
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,022.8	µg/mL	+/- 282.9253
34	bromoform	75-25-2	050494L04R	99%	5,036.9	µg/mL	+/- 283.6948
35	1,1,2,2-Tetrachloroethane	79-34-5	QQJ4I	99%	5,032.5	µg/mL	+/- 283.4484
36	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	5,042.7	µg/mL	+/- 284.0428
37	n-Propylbenzene	103-65-1	095067T18C	99%	5,028.8	µg/mL	+/- 283.2586
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,026.8	µg/mL	+/- 283.1460
39	1,3,5-Trimethylbenzene	108-67-8	BCCH6852	99%	5,023.1	µg/mL	+/- 282.9394
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,028.7	µg/mL	+/- 283.2539
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,043.9	µg/mL	+/- 284.1129
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.3	µg/mL	+/- 284.3054
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,046.3	µg/mL	+/- 284.2490
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,044.3	µg/mL	+/- 284.1364
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCS1827	99%	5,035.8	µg/mL	+/- 283.6576
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,034.6	µg/mL	+/- 283.5646
47	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	5,015.5	µg/mL	+/- 282.4909
48	n-Butylbenzene	104-51-8	09418JJ	99%	5,034.7	µg/mL	+/- 283.5919
49	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	5,012.9	µg/mL	+/- 282.3466
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,029.4	µg/mL	+/- 283.2935
51	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	5,042.1	µg/mL	+/- 284.0096
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,023.4	µg/mL	+/- 282.9582

53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/- 282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/- 283.7656

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

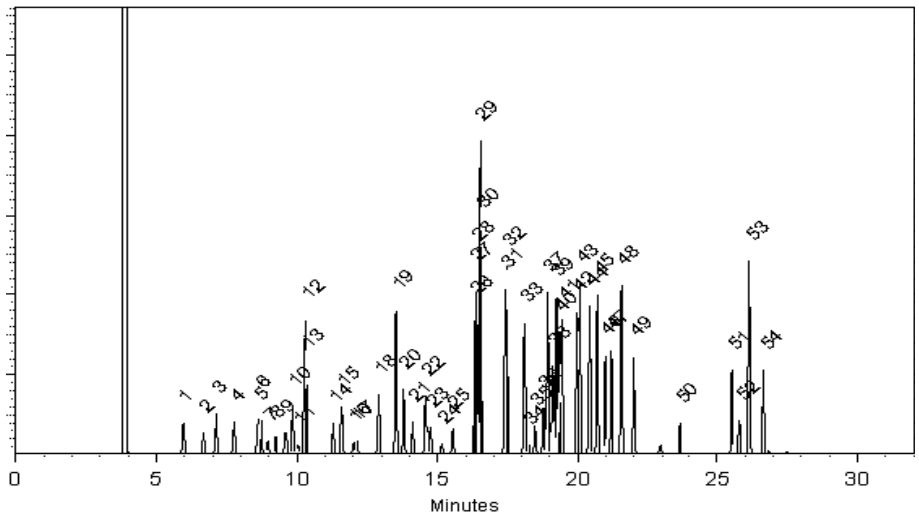
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMIX#1_00231

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577486 **Lot No.:** A0211483

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBG8609V	99%	5,038.8 µg/mL	+/- 283.8004
2	Methylene chloride (dichloromethane)	75-09-2	231383	99%	5,013.9 µg/mL	+/- 282.3994
3	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	5,020.8 µg/mL	+/- 282.7901
4	1,1-Dichloroethane	75-34-3	852900	99%	5,007.1 µg/mL	+/- 282.0157
5	2,2-Dichloropropane	594-20-7	RP231114CTH	99%	5,045.8 µg/mL	+/- 284.2162
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.3 µg/mL	+/- 284.4180
7	chloroform	67-66-3	SHBN8469	99%	5,032.5 µg/mL	+/- 283.4484
8	Bromochloromethane	74-97-5	S231117RSR	99%	5,043.2 µg/mL	+/- 284.0707
9	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	5,043.7 µg/mL	+/- 284.0785
10	1,1-Dichloropropene	563-58-6	S240215ECS	99%	5,045.2 µg/mL	+/- 284.1833
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,042.8 µg/mL	+/- 284.0292
12	1,2-Dichloroethane	107-06-2	SHBQ5408	99%	5,007.8 µg/mL	+/- 282.0579
13	Benzene	71-43-2	MKCS3357	99%	5,011.2 µg/mL	+/- 282.2682
14	Trichloroethene	79-01-6	SHBQ6161	99%	5,019.9 µg/mL	+/- 282.7408
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,041.1 µg/mL	+/- 283.9307
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,014.1 µg/mL	+/- 282.4134

17	Dibromomethane	74-95-3	107151T06C	99%	5,019.6	µg/mL	+/- 282.7423
18	cis-1,3-Dichloropropene	10061-01-5	RP231025CTH	99%	5,036.1	µg/mL	+/- 283.6490
19	Toluene	108-88-3	MKCS9989	99%	5,027.9	µg/mL	+/- 283.2117
20	trans-1,3-Dichloropropene	10061-02-6	RP231025CTH-1	98%	5,002.6	µg/mL	+/- 281.7640
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,010.4	µg/mL	+/- 282.2022
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,043.1	µg/mL	+/- 284.0660
23	Tetrachloroethene	127-18-4	SHBQ0051	99%	5,014.8	µg/mL	+/- 282.4522
24	dibromochloromethane	124-48-1	MKCT4871	99%	5,042.3	µg/mL	+/- 283.9976
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,041.7	µg/mL	+/- 283.9862
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,013.3	µg/mL	+/- 282.3642
27	1,1,1,2-Tetrachloroethane	630-20-6	TMWGK	99%	5,025.2	µg/mL	+/- 283.0568
28	Ethylbenzene	100-41-4	094632T20F	99%	5,042.0	µg/mL	+/- 284.0050
29	m-Xylene	108-38-3	SHBN6673	99%	5,042.2	µg/mL	+/- 284.0143
30	p-Xylene	106-42-3	SHBP5191	99%	5,038.1	µg/mL	+/- 283.7843
31	o-Xylene	95-47-6	50069309	99%	5,047.2	µg/mL	+/- 284.2960
32	Styrene	100-42-5	MKCQ3390	99%	5,038.9	µg/mL	+/- 283.8313
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,022.8	µg/mL	+/- 282.9253
34	bromoform	75-25-2	050494L04R	99%	5,036.9	µg/mL	+/- 283.6948
35	1,1,2,2-Tetrachloroethane	79-34-5	QQJ4I	99%	5,032.5	µg/mL	+/- 283.4484
36	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	5,042.7	µg/mL	+/- 284.0428
37	n-Propylbenzene	103-65-1	095067T18C	99%	5,028.8	µg/mL	+/- 283.2586
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,026.8	µg/mL	+/- 283.1460
39	1,3,5-Trimethylbenzene	108-67-8	BCCH6852	99%	5,023.1	µg/mL	+/- 282.9394
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,028.7	µg/mL	+/- 283.2539
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,043.9	µg/mL	+/- 284.1129
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.3	µg/mL	+/- 284.3054
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,046.3	µg/mL	+/- 284.2490
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,044.3	µg/mL	+/- 284.1364
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCS1827	99%	5,035.8	µg/mL	+/- 283.6576
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,034.6	µg/mL	+/- 283.5646
47	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	5,015.5	µg/mL	+/- 282.4909
48	n-Butylbenzene	104-51-8	09418JJ	99%	5,034.7	µg/mL	+/- 283.5919
49	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	5,012.9	µg/mL	+/- 282.3466
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,029.4	µg/mL	+/- 283.2935
51	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	5,042.1	µg/mL	+/- 284.0096
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,023.4	µg/mL	+/- 282.9582

53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/- 282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/- 283.7656

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

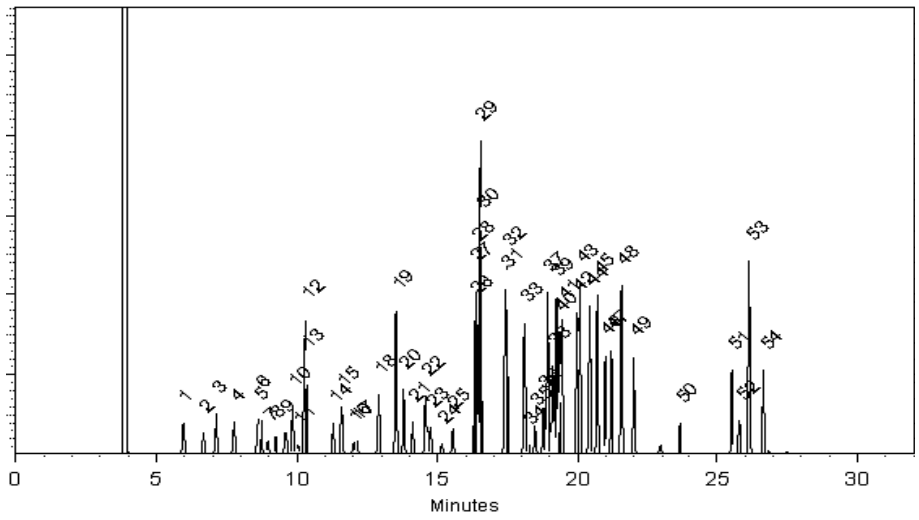
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMIX#1_00232

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577486 **Lot No.:** A0211483

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBG8609V	99%	5,038.8 µg/mL	+/- 283.8004
2	Methylene chloride (dichloromethane)	75-09-2	231383	99%	5,013.9 µg/mL	+/- 282.3994
3	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	5,020.8 µg/mL	+/- 282.7901
4	1,1-Dichloroethane	75-34-3	852900	99%	5,007.1 µg/mL	+/- 282.0157
5	2,2-Dichloropropane	594-20-7	RP231114CTH	99%	5,045.8 µg/mL	+/- 284.2162
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.3 µg/mL	+/- 284.4180
7	chloroform	67-66-3	SHBN8469	99%	5,032.5 µg/mL	+/- 283.4484
8	Bromochloromethane	74-97-5	S231117RSR	99%	5,043.2 µg/mL	+/- 284.0707
9	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	5,043.7 µg/mL	+/- 284.0785
10	1,1-Dichloropropene	563-58-6	S240215ECS	99%	5,045.2 µg/mL	+/- 284.1833
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,042.8 µg/mL	+/- 284.0292
12	1,2-Dichloroethane	107-06-2	SHBQ5408	99%	5,007.8 µg/mL	+/- 282.0579
13	Benzene	71-43-2	MKCS3357	99%	5,011.2 µg/mL	+/- 282.2682
14	Trichloroethene	79-01-6	SHBQ6161	99%	5,019.9 µg/mL	+/- 282.7408
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,041.1 µg/mL	+/- 283.9307
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,014.1 µg/mL	+/- 282.4134

17	Dibromomethane	74-95-3	107151T06C	99%	5,019.6	µg/mL	+/- 282.7423
18	cis-1,3-Dichloropropene	10061-01-5	RP231025CTH	99%	5,036.1	µg/mL	+/- 283.6490
19	Toluene	108-88-3	MKCS9989	99%	5,027.9	µg/mL	+/- 283.2117
20	trans-1,3-Dichloropropene	10061-02-6	RP231025CTH-1	98%	5,002.6	µg/mL	+/- 281.7640
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,010.4	µg/mL	+/- 282.2022
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,043.1	µg/mL	+/- 284.0660
23	Tetrachloroethene	127-18-4	SHBQ0051	99%	5,014.8	µg/mL	+/- 282.4522
24	dibromochloromethane	124-48-1	MKCT4871	99%	5,042.3	µg/mL	+/- 283.9976
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,041.7	µg/mL	+/- 283.9862
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,013.3	µg/mL	+/- 282.3642
27	1,1,1,2-Tetrachloroethane	630-20-6	TMWGK	99%	5,025.2	µg/mL	+/- 283.0568
28	Ethylbenzene	100-41-4	094632T20F	99%	5,042.0	µg/mL	+/- 284.0050
29	m-Xylene	108-38-3	SHBN6673	99%	5,042.2	µg/mL	+/- 284.0143
30	p-Xylene	106-42-3	SHBP5191	99%	5,038.1	µg/mL	+/- 283.7843
31	o-Xylene	95-47-6	50069309	99%	5,047.2	µg/mL	+/- 284.2960
32	Styrene	100-42-5	MKCQ3390	99%	5,038.9	µg/mL	+/- 283.8313
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,022.8	µg/mL	+/- 282.9253
34	bromoform	75-25-2	050494L04R	99%	5,036.9	µg/mL	+/- 283.6948
35	1,1,2,2-Tetrachloroethane	79-34-5	QQJ4I	99%	5,032.5	µg/mL	+/- 283.4484
36	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	5,042.7	µg/mL	+/- 284.0428
37	n-Propylbenzene	103-65-1	095067T18C	99%	5,028.8	µg/mL	+/- 283.2586
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,026.8	µg/mL	+/- 283.1460
39	1,3,5-Trimethylbenzene	108-67-8	BCCH6852	99%	5,023.1	µg/mL	+/- 282.9394
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,028.7	µg/mL	+/- 283.2539
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,043.9	µg/mL	+/- 284.1129
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.3	µg/mL	+/- 284.3054
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,046.3	µg/mL	+/- 284.2490
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,044.3	µg/mL	+/- 284.1364
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCS1827	99%	5,035.8	µg/mL	+/- 283.6576
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,034.6	µg/mL	+/- 283.5646
47	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	5,015.5	µg/mL	+/- 282.4909
48	n-Butylbenzene	104-51-8	09418JJ	99%	5,034.7	µg/mL	+/- 283.5919
49	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	5,012.9	µg/mL	+/- 282.3466
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,029.4	µg/mL	+/- 283.2935
51	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	5,042.1	µg/mL	+/- 284.0096
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,023.4	µg/mL	+/- 282.9582

53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/- 282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/- 283.7656

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

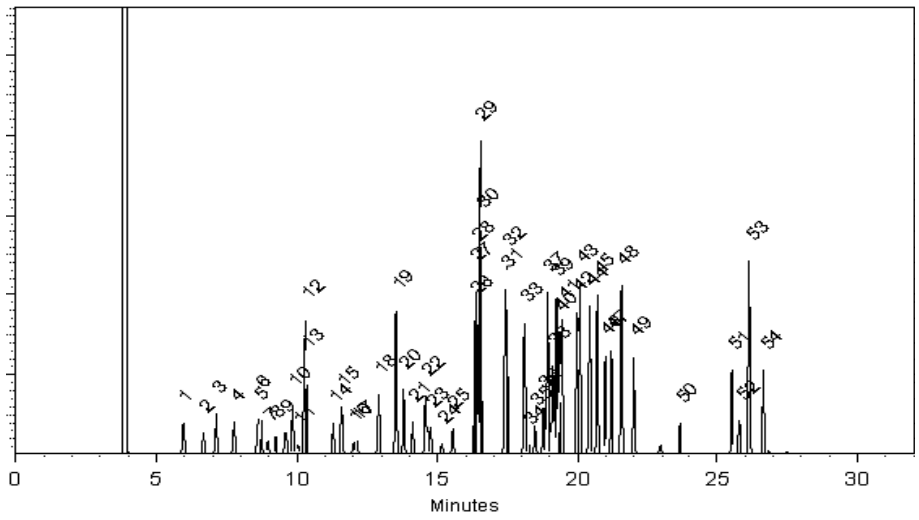
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMix#2_00226

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577487 **Lot No.:** A0212010

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	STBK5006	99%	5,041.0 µg/mL	+/- 84.9562
2	2-Propanol (isopropanol)	67-63-0	SHBR1699	99%	25,199.0 µg/mL	+/- 412.0520
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00009482	99%	5,039.2 µg/mL	+/- 84.9253
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,207.0 µg/mL	+/- 412.1828
5	Methyl acetate	79-20-9	SHBP3100	99%	5,037.0 µg/mL	+/- 84.8888
6	Iodomethane (methyl iodide)	74-88-4	RD240405RSR	99%	5,048.3 µg/mL	+/- 85.0798
7	Allyl chloride (3-chloropropene)	107-05-1	RD240221ECS	99%	5,046.7 µg/mL	+/- 85.0517
8	Carbon disulfide	75-15-0	Q30J743	99%	5,036.0 µg/mL	+/- 84.8719
9	Acrylonitrile	107-13-1	MKCN8129	99%	12,598.0 µg/mL	+/- 206.0015
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBQ4873	99%	5,040.7 µg/mL	+/- 84.9506
11	n-Hexane (C6)	110-54-3	102412P22T	99%	5,042.5 µg/mL	+/- 84.9815
12	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	5,042.7 µg/mL	+/- 84.9843
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	5,049.7 µg/mL	+/- 85.1023
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	5,049.9 µg/mL	+/- 85.1069
15	Propionitrile	107-12-0	BCCH7430	99%	25,211.0 µg/mL	+/- 412.2482
16	Methacrylonitrile	126-98-7	1012014	99%	12,613.0 µg/mL	+/- 206.2467

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBR1206	99%	63,123.0	µg/mL	+/-	1,032.1821
18	Tetrahydrofuran	109-99-9	SHBQ8516	99%	25,247.0	µg/mL	+/-	412.8369
19	Cyclohexane	110-82-7	MKCS9749	99%	5,046.2	µg/mL	+/-	85.0433
20	1-Butanol	71-36-3	101601K21K	99%	63,110.0	µg/mL	+/-	1,031.9695
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,038.5	µg/mL	+/-	84.9141
22	n-Heptane (C7)	142-82-5	044743T03G	99%	5,049.2	µg/mL	+/-	85.0938
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,038.8	µg/mL	+/-	84.9196
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,044.8	µg/mL	+/-	85.0208
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,048.0	µg/mL	+/-	85.0742
26	1,4-Dioxane	123-91-1	SHBQ2407	99%	63,103.0	µg/mL	+/-	1,031.8550
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,238.4	µg/mL	+/-	412.6967
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,046.9	µg/mL	+/-	85.0558
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,044.5	µg/mL	+/-	85.0152
30	trans-1,4-dichloro-2-butene	110-57-6	RP240130CTH	98%	12,602.8	µg/mL	+/-	206.0799
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	5,043.7	µg/mL	+/-	85.0012
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,048.3	µg/mL	+/-	85.0798
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,039.8	µg/mL	+/-	84.9365
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,048.2	µg/mL	+/-	85.0770
35	1,2-Diethylbenzene	135-01-3	BCCG9282	99%	5,049.3	µg/mL	+/-	85.0967
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,046.3	µg/mL	+/-	85.0461
37	2-Methylnaphthalene	91-57-6	STBL3028	99%	5,045.0	µg/mL	+/-	85.0236

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

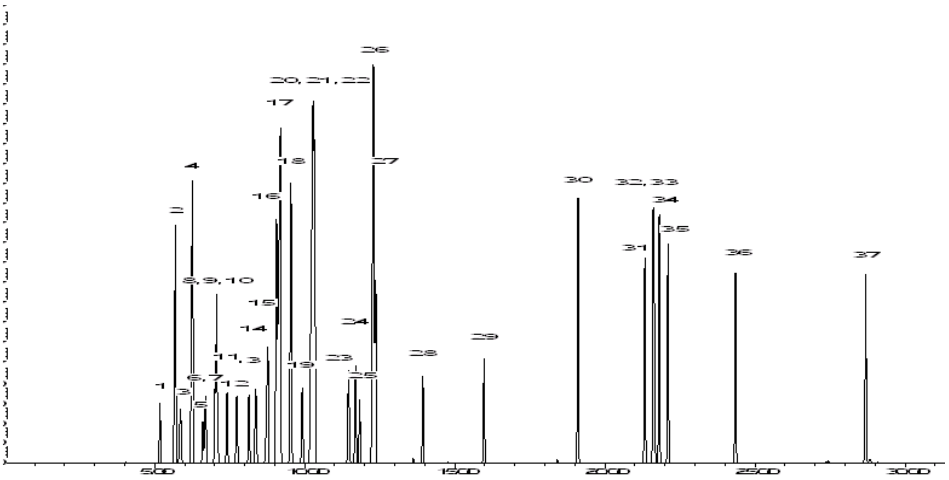
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024 **Balance Serial #** B251644995

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 30-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMix#2_00236

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577487 **Lot No.:** A0212010

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	STBK5006	99%	5,041.0 µg/mL	+/- 84.9562
2	2-Propanol (isopropanol)	67-63-0	SHBR1699	99%	25,199.0 µg/mL	+/- 412.0520
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00009482	99%	5,039.2 µg/mL	+/- 84.9253
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,207.0 µg/mL	+/- 412.1828
5	Methyl acetate	79-20-9	SHBP3100	99%	5,037.0 µg/mL	+/- 84.8888
6	Iodomethane (methyl iodide)	74-88-4	RD240405RSR	99%	5,048.3 µg/mL	+/- 85.0798
7	Allyl chloride (3-chloropropene)	107-05-1	RD240221ECS	99%	5,046.7 µg/mL	+/- 85.0517
8	Carbon disulfide	75-15-0	Q30J743	99%	5,036.0 µg/mL	+/- 84.8719
9	Acrylonitrile	107-13-1	MKCN8129	99%	12,598.0 µg/mL	+/- 206.0015
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBQ4873	99%	5,040.7 µg/mL	+/- 84.9506
11	n-Hexane (C6)	110-54-3	102412P22T	99%	5,042.5 µg/mL	+/- 84.9815
12	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	5,042.7 µg/mL	+/- 84.9843
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	5,049.7 µg/mL	+/- 85.1023
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	5,049.9 µg/mL	+/- 85.1069
15	Propionitrile	107-12-0	BCCH7430	99%	25,211.0 µg/mL	+/- 412.2482
16	Methacrylonitrile	126-98-7	1012014	99%	12,613.0 µg/mL	+/- 206.2467

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBR1206	99%	63,123.0	µg/mL	+/-	1,032.1821
18	Tetrahydrofuran	109-99-9	SHBQ8516	99%	25,247.0	µg/mL	+/-	412.8369
19	Cyclohexane	110-82-7	MKCS9749	99%	5,046.2	µg/mL	+/-	85.0433
20	1-Butanol	71-36-3	101601K21K	99%	63,110.0	µg/mL	+/-	1,031.9695
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,038.5	µg/mL	+/-	84.9141
22	n-Heptane (C7)	142-82-5	044743T03G	99%	5,049.2	µg/mL	+/-	85.0938
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,038.8	µg/mL	+/-	84.9196
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,044.8	µg/mL	+/-	85.0208
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,048.0	µg/mL	+/-	85.0742
26	1,4-Dioxane	123-91-1	SHBQ2407	99%	63,103.0	µg/mL	+/-	1,031.8550
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,238.4	µg/mL	+/-	412.6967
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,046.9	µg/mL	+/-	85.0558
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,044.5	µg/mL	+/-	85.0152
30	trans-1,4-dichloro-2-butene	110-57-6	RP240130CTH	98%	12,602.8	µg/mL	+/-	206.0799
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	5,043.7	µg/mL	+/-	85.0012
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,048.3	µg/mL	+/-	85.0798
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,039.8	µg/mL	+/-	84.9365
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,048.2	µg/mL	+/-	85.0770
35	1,2-Diethylbenzene	135-01-3	BCCG9282	99%	5,049.3	µg/mL	+/-	85.0967
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,046.3	µg/mL	+/-	85.0461
37	2-Methylnaphthalene	91-57-6	STBL3028	99%	5,045.0	µg/mL	+/-	85.0236

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

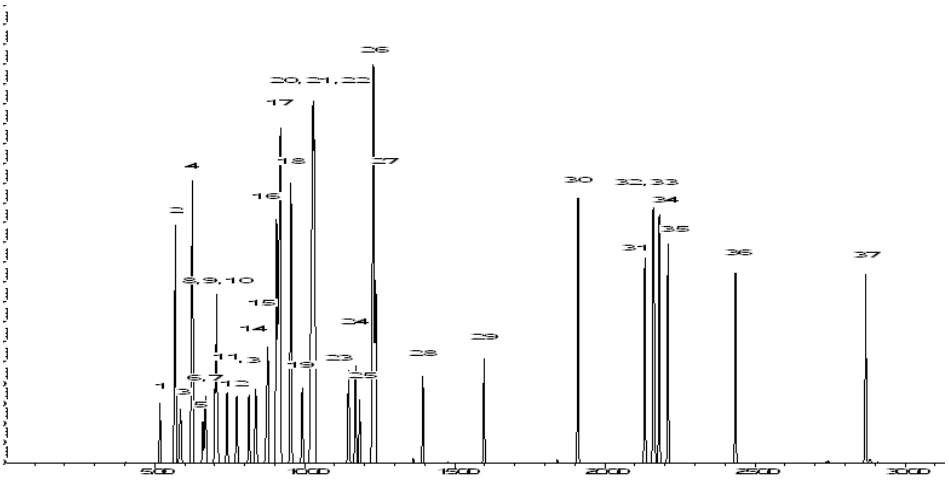
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024 **Balance Serial #** B251644995

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 30-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Q_Ketones_00260

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721.SEC **Lot No.:** A0209876

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1.SEC	U19I024	99%	12,580.0 µg/mL	+/- 434.7940
2	2-Butanone (MEK)	78-93-3.SEC	HDLUO	99%	12,611.6 µg/mL	+/- 435.8862
3	4-Methyl-2-pentanone (MIBK)	108-10-1.SEC	E29T040	99%	12,576.4 µg/mL	+/- 434.6696
4	2-Hexanone	591-78-6.SEC	NXXXA	99%	12,574.8 µg/mL	+/- 434.6143

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

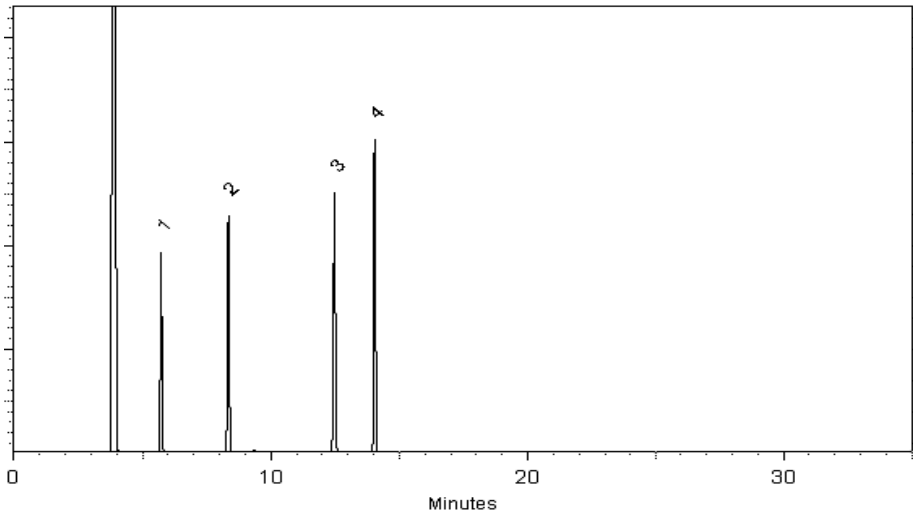
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 05-Apr-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Q_Ketones_00261

RESTEK
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CERTIFIED REFERENCE MATERIAL

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ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721.SEC **Lot No.:** A0209876

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1.SEC	U19I024	99%	12,580.0 µg/mL	+/- 434.7940
2	2-Butanone (MEK)	78-93-3.SEC	HDLUO	99%	12,611.6 µg/mL	+/- 435.8862
3	4-Methyl-2-pentanone (MIBK)	108-10-1.SEC	E29T040	99%	12,576.4 µg/mL	+/- 434.6696
4	2-Hexanone	591-78-6.SEC	NXXXA	99%	12,574.8 µg/mL	+/- 434.6143

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

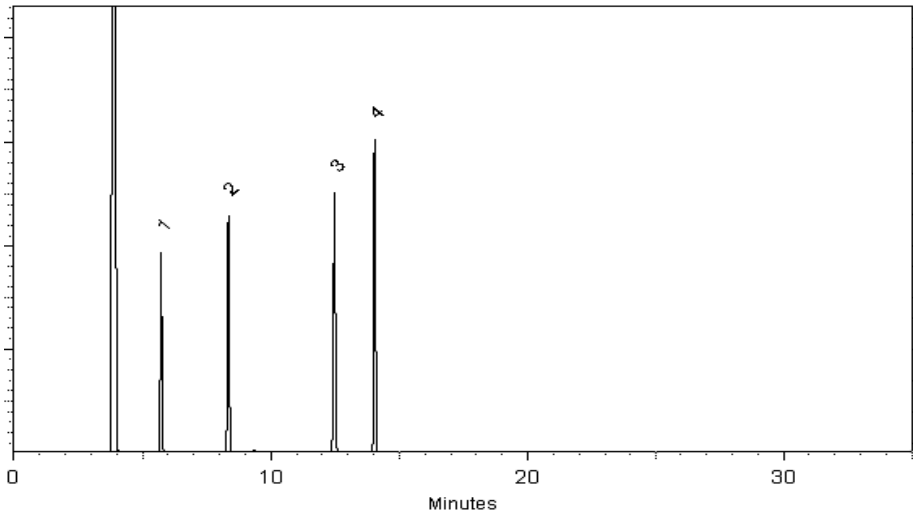
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 05-Apr-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_QC_2K_GAS_00293

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488.SEC **Lot No.:** A0211460

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,002.3 µg/mL	+/- 116.3467
2	Chloromethane (methyl chloride)	74-87-3.SEC	00022694	99%	2,014.2 µg/mL	+/- 117.1824
3	Vinyl chloride	75-01-4 *	00015559	99%	2,009.3 µg/mL	+/- 117.9630
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,030.2 µg/mL	+/- 117.6986
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,017.1 µg/mL	+/- 136.9230
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,005.3 µg/mL	+/- 122.7081
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,016.0 µg/mL	+/- 113.2616
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,020.0 µg/mL	+/- 113.4863
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4 *	877500	99%	2,005.1 µg/mL	+/- 115.4133

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

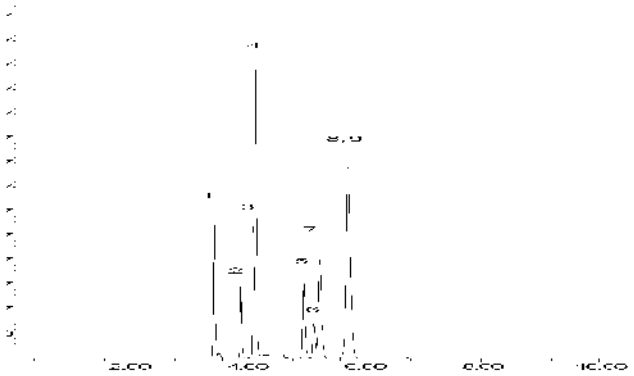
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_QC_2K_GAS_00299

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ISO/IEC 17025 Accredited
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Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488.SEC **Lot No.:** A0211460

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,002.3 µg/mL	+/- 116.3467
2	Chloromethane (methyl chloride)	74-87-3.SEC	00022694	99%	2,014.2 µg/mL	+/- 117.1824
3	Vinyl chloride	75-01-4 *	00015559	99%	2,009.3 µg/mL	+/- 117.9630
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,030.2 µg/mL	+/- 117.6986
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,017.1 µg/mL	+/- 136.9230
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,005.3 µg/mL	+/- 122.7081
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,016.0 µg/mL	+/- 113.2616
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,020.0 µg/mL	+/- 113.4863
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4 *	877500	99%	2,005.1 µg/mL	+/- 115.4133

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

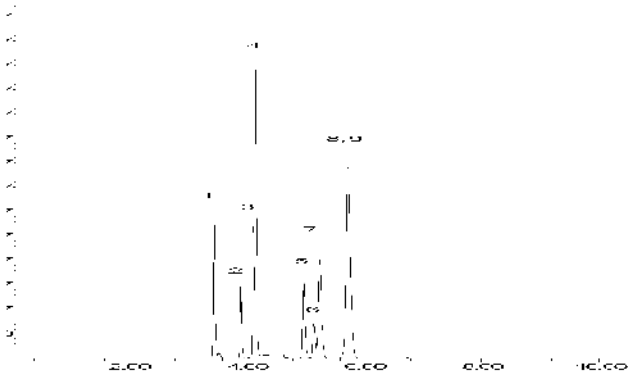
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_QC_2K_GAS_00304

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488.SEC **Lot No.:** A0211460

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,002.3 µg/mL	+/- 116.3467
2	Chloromethane (methyl chloride)	74-87-3.SEC	00022694	99%	2,014.2 µg/mL	+/- 117.1824
3	Vinyl chloride	75-01-4 *	00015559	99%	2,009.3 µg/mL	+/- 117.9630
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,030.2 µg/mL	+/- 117.6986
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,017.1 µg/mL	+/- 136.9230
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,005.3 µg/mL	+/- 122.7081
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,016.0 µg/mL	+/- 113.2616
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,020.0 µg/mL	+/- 113.4863
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4 *	877500	99%	2,005.1 µg/mL	+/- 115.4133

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

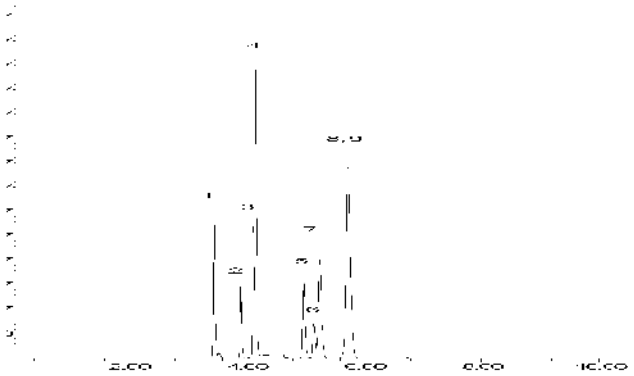
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_2CLEVE_00230

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577492 **Lot No.:** A0211425

Description : Custom 2-CEVE Standard

Custom 2-CEVE Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKBS6526V	99%	5,044.0 µg/mL	+/- 62.7735

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

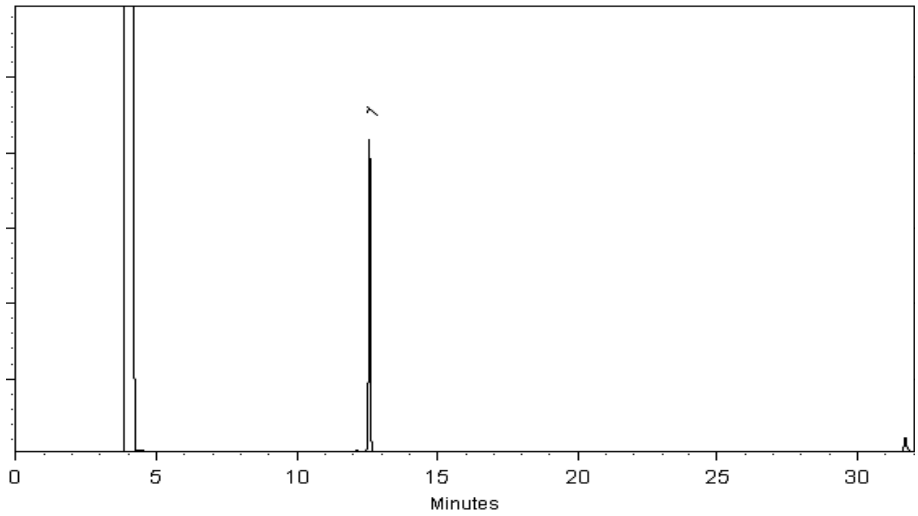
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 14-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_2CLEVE_00231

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CERTIFIED REFERENCE MATERIAL

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577492 **Lot No.:** A0211425

Description : Custom 2-CEVE Standard

Custom 2-CEVE Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKBS6526V	99%	5,044.0 µg/mL	+/- 62.7735

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

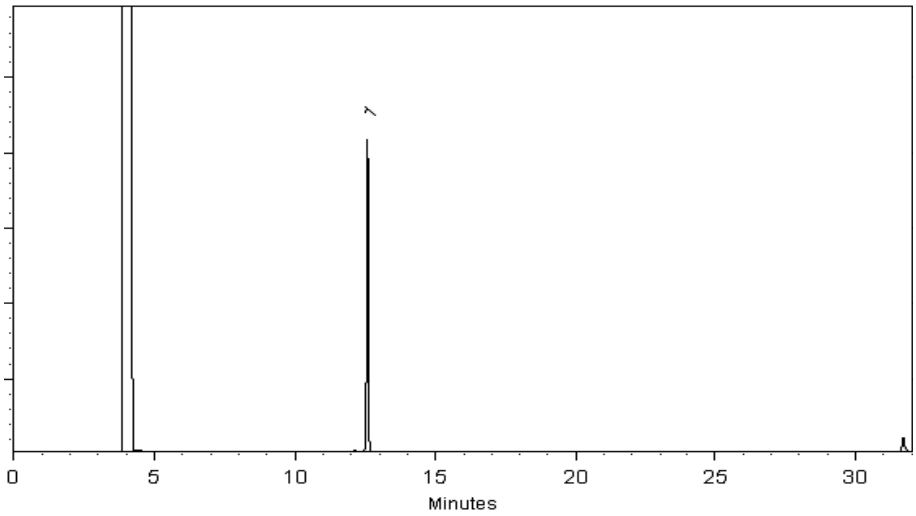
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 14-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_Ketones_00228

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0210935

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

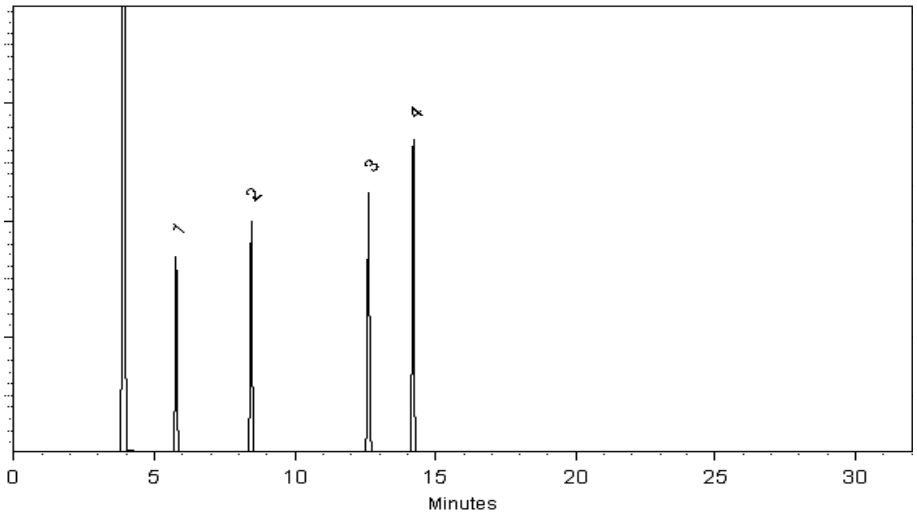
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_Ketones_00229

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0210935

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

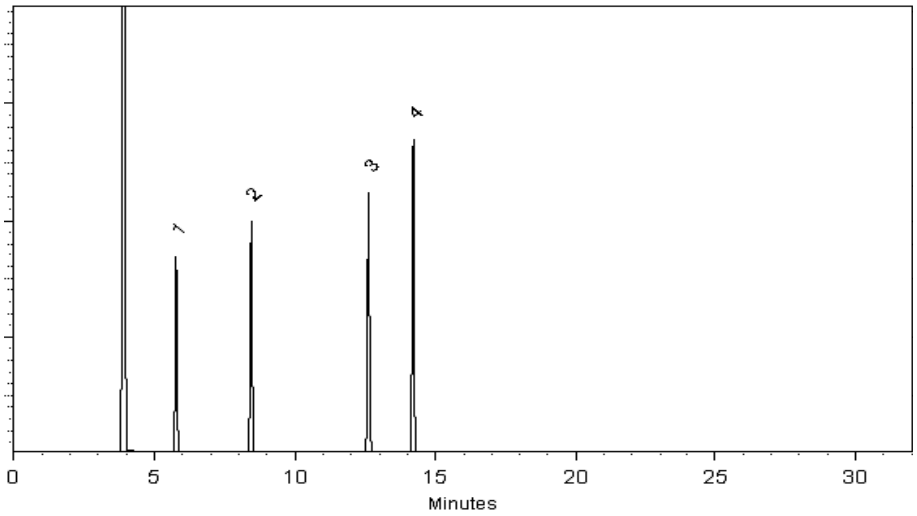
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_Ketones_00235

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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0210935

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

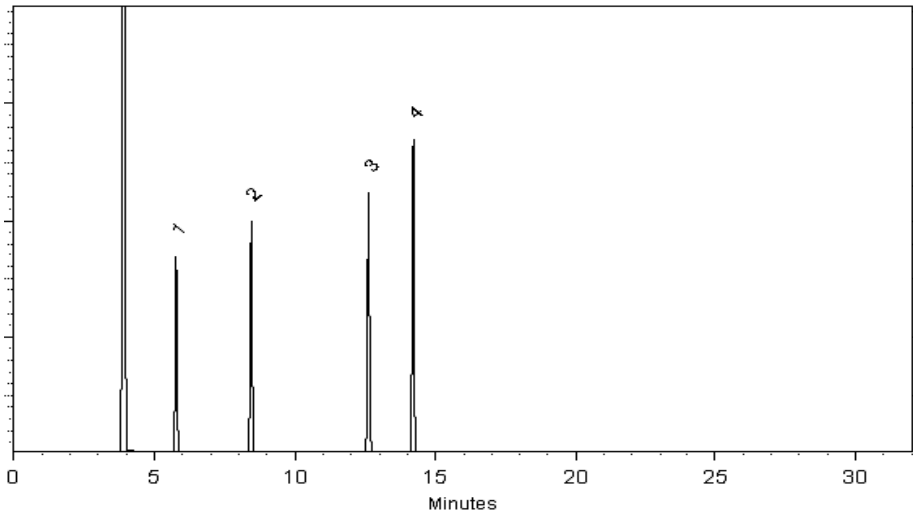
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MT_H3NO_Fishe_00060

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H330	Quality Test / Release Date	03/04/2024
Lot Number	235064		
Description	HYDROXYLAMINE HYDROCHLORIDE, A.C.S.		
Country of Origin	India	Suggested Retest Date	Mar/2029

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	colorless to white crystals
AMMONIUM (NH4)	PASS/FAIL	= PASS TEST	PASS TEST
ASSAY	%	>= 96	99.2
CLARITY OF ALCOHOL SOLUTION	PASS/FAIL	= PASS TEST	PASS TEST
HEAVY METALS BY ICP-OES	ppm	<= 5	2
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IGNITION RESIDUE	%	<= 0.05	0.02
IRON (Fe)	ppm	<= 5	<5
MERCURY (Hg)	ppm	<= 0.05	0.04
SULFUR COMPOUNDS	%	<= 0.005	<0.005
TITRATABLE FREE ACID	MEQ/G	<= 0.25	<0.25

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

MT_H3NO_Fishe_00061

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

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Catalog Number	H330	Quality Test / Release Date	08/21/2024
Lot Number	243373		
Description	HYDROXYLAMINE HYDROCHLORIDE, A.C.S.		
Country of Origin	India	Suggested Retest Date	Feb/2027

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Colorless to white crystals
AMMONIUM (NH4)	PASS/FAIL	= PASS TEST	PASS TEST
ASSAY	%	>= 96	98.6
CLARITY OF ALCOHOL SOLUTION	PASS/FAIL	= PASS TEST	PASS TEST
HEAVY METALS BY ICP-OES	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IGNITION RESIDUE	%	<= 0.05	0.03
IRON (Fe)	ppm	<= 5	<5
MERCURY (Hg)	ppm	<= 0.05	<0.05
SULFUR COMPOUNDS	%	<= 0.005	<0.005
TITRATABLE FREE ACID	MEQ/G	<= 0.25	<0.25

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

MT_HCl_JT_00019

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 25C2662003
Manufactured Date: 2025-02-11
Retest Date:2030-02-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.7 %
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	<1 ppm
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.191
ACS - Bromide (Br)	<= 0.005 %	<0.005 %
ACS - Extractable Organic Substances	<= 5 ppm	<1 ppm
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	0.5 ppm
Phosphate (PO_4)	<= 0.05 ppm	<0.03 ppm
Sulfate (SO_4)	<= 0.5 ppm	<0.3 ppm
Sulfite (SO3)	<= 0.8 ppm	0.3 ppm
Ammonium (NH_4)	<= 3 ppm	<1 ppm
Trace Impurities - Arsenic (As)	<= 0.010 ppm	<<0.01 ppm
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 5.0 ppb	<3.0 ppb
Trace Impurities - Barium (Ba)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	<10.0 ppb
Trace Impurities - Boron (B)	<= 20.0 ppb	<5.0 ppb
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	19.3 ppb
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	<2.0 ppb
Trace Impurities - Gold (Au)	<= 4.0 ppb	<0.2 ppb
Heavy Metals (as Pb)	<= 100 ppb	<<50 ppb
Trace Impurities - Iron (Fe)	<= 15 ppb	<0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 25C2662003

Test	Specification	Result
Trace Impurities - Lead (Pb)	<= 1.0 ppb	<0.5 ppb
Trace Impurities - Lithium (Li)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	2.1 ppb
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	<5.0 ppb
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	<0.3 ppb
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Potassium (K)	<= 9.0 ppb	<2.0 ppb
Trace Impurities - Selenium (Se), For Information Only		<1.0 ppb
Trace Impurities - Silicon (Si)	<= 100.0 ppb	<10 ppb
Trace Impurities - Silver (Ag)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Sodium (Na)	<= 100.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	<0.9 ppb
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	<5.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	<0.8 ppb
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Vanadium (V)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Reagent

MT_HNO3_FI_00018

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

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Catalog Number	A200	Quality Test / Release Date	12/19/2024
Lot Number	245385		
Description	NITRIC ACID, CERTIFIED ACS		
Country of Origin	Canada		
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless free of suspended matter
ALUMINUM	ppm	<= 0.2	<0.2
ARSENIC (As)	ppm	<= 0.004	<0.004
ASSAY	w/w %	Inclusive Between 68.0 - 70.0	69.7
BORON (B)	ppm	<= 0.1	<0.1
CALCIUM (Ca)	ppm	<= 0.2	<0.2
CHLORIDE	ppm	<= 0.08	<0.08
CHROMIUM (Cr)	ppm	<= 0.1	<0.1
COLOR	APHA	<= 10	<10
COPPER (Cu)	ppm	<= 0.05	<0.05
GOLD (Au)	ppm	<= 0.3	<0.3
HEAVY METALS (as Pb)	ppm	<= 0.2	<0.2
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	ppm	<= 0.2	<0.2
LEAD (Pb)	ppm	<= 0.1	<0.1
MAGNESIUM (Mg)	ppm	<= 0.3	<0.3
NICKEL (Ni)	ppm	<= 0.05	<0.05
PHOSPHATE (PO4)	ppm	<= 0.2	<0.2
POTASSIUM (K)	ppm	<= 0.3	<0.3
RESIDUE AFTER IGNITION	ppm	<= 2	<2
SODIUM (Na)	ppm	<= 0.3	<0.3
SULFATE (SO4)	ppm	<= 0.5	<0.5
TIN (Sn)	ppm	<= 0.3	<0.3
TITANIUM (Ti)	ppm	<= 0.3	<0.3

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

ZINC (Zn)	ppm	<= 0.3	<0.3

Kalyan Paruchuri - Quality Control Supervisor - Bridgewater

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

MT_I_CCVSPK-A_00007

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	35-TSPEURF-CCV-A
Lot Number:	V2-MEB742653
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea:

Aluminum, Calcium,
Iron, Potassium,
Magnesium, Sodium,
Sulfur,

100 µg/mL ea:

Selenium, Strontium,
Thorium, Thallium,
Vanadium, Zinc,
Silver, Nickel,
Phosphorus, Lead,
Manganese, Lithium,
Cadmium, Cobalt,
Chromium, Copper,
Arsenic, Boron,
Barium, Beryllium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	5 000 ± 18 µg/mL	Arsenic, As	100.0 ± 0.8 µg/mL
Barium, Ba	100.0 ± 0.4 µg/mL	Beryllium, Be	100.0 ± 0.6 µg/mL
Boron, B	100.0 ± 0.7 µg/mL	Cadmium, Cd	100.0 ± 0.4 µg/mL
Calcium, Ca	5 000 ± 16 µg/mL	Chromium, Cr	100.0 ± 0.6 µg/mL
Cobalt, Co	100.0 ± 0.6 µg/mL	Copper, Cu	100.0 ± 0.5 µg/mL
Iron, Fe	5 000 ± 22 µg/mL	Lead, Pb	100.0 ± 0.5 µg/mL
Lithium, Li	100.0 ± 0.4 µg/mL	Magnesium, Mg	5 000 ± 22 µg/mL
Manganese, Mn	100.0 ± 0.5 µg/mL	Nickel, Ni	100.0 ± 0.6 µg/mL
Phosphorus, P	100.0 ± 0.5 µg/mL	Potassium, K	5 000 ± 22 µg/mL
Selenium, Se	100.0 ± 0.6 µg/mL	Silver, Ag	100.0 ± 0.4 µg/mL
Sodium, Na	5 000 ± 22 µg/mL	Strontium, Sr	100.0 ± 0.5 µg/mL
Sulfur, S	5 000 ± 23 µg/mL	Thallium, Tl	100.0 ± 0.5 µg/mL
Thorium, Th	100.0 ± 0.5 µg/mL	Vanadium, V	100.0 ± 0.5 µg/mL
Zinc, Zn	100.0 ± 0.5 µg/mL		

Density: 1.124 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
As	Calculated		See Sec. 4.2
B	ICP Assay	3107	190605
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
S	Acidimetric	84L	84L
S	ICP Assay	Traceable to 3154	T2-S727797
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Th	EDTA	928	928
Tl	ICP Assay	3158	151215
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$x_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$x_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information (https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver)

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 01, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **April 01, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_K2S2O8_JT_00052

Potassium Persulfate
BAKER ANALYZED® Reagent
(potassium peroxydisulfate)

Material No.: 3238-05
Batch No.: 22D2261044
Manufactured Date: 2021-07-28
Retest Date: 2028-07-26
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay ($K_2S_2O_8$) (by gravimetry)	≥ 99.0 %	99.5 %
Trace Impurities - Iron (Fe)	≤ 0.001 %	< 0.001 %
Trace Impurities - ACS - Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Trace Impurities - Manganese (Mn)	≤ 2.000 ppm	< 2.000 ppm

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Reagent

MT_K2S2O8_JT_00053

Potassium Persulfate
BAKER ANALYZED® Reagent
(potassium peroxydisulfate)

Material No.: 3238-05
Batch No.: 22D2261044
Manufactured Date: 2021-07-28
Retest Date: 2028-07-26
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay ($K_2S_2O_8$) (by gravimetry)	≥ 99.0 %	99.5 %
Trace Impurities - Iron (Fe)	≤ 0.001 %	< 0.001 %
Trace Impurities - ACS - Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Trace Impurities - Manganese (Mn)	≤ 2.000 ppm	< 2.000 ppm

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Reagent

MT_KMnO4_LC_00001

LabChem
Part of TCP Analytical Group
Jackson's Pointe Commerce Park- Building 1000
1010 Jackson's Pointe Court, Zelienople, PA 16063

Certificate of Analysis

Potassium Permanganate ACS

Product Code: **LC198501**

Manufacture Date: October 09, 2024

Lot Number: **44100120**

Test	Specification	Result
Appearance (color)	dark purple	dark purple
Appearance (state)	crystals	crystals
Assay - % w/w	>= 99.0 % w/w	99.5% w/w
Chloride and bromide (as Cl)	<= 0.005 %	<0.005%
Insoluble Matter and NH4OH ppt	<= 0.2 %	0.1%
Sulfate (SO4)	<= 0.02 %	<0.02%

Intended Use *- Product is intended for use in manufacturing procedures and laboratory procedures and protocols.*

Storage Information *- Unless noted on the product label, store the product under normal lab conditions in its tightly closed, original container. Do not pipet directly from the container or return unused portions to the container.*

Instructions for Handling and Use - *Please refer to the associated product label and Safety Data Sheet (SDS) for information regarding safety and handling of this product.*

Preparation - *All products are manufactured and tested according to established, documented procedures and methodology. Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balances, thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST standards.*

Quality Control
Michael Monteleone
Chemistry Supervisor

ISO9001:2015 Registration #0306-01

Reagent

MT_KMnO4_LC_00002

LabChem
Part of TCP Analytical Group
Jackson's Pointe Commerce Park- Building 1000
1010 Jackson's Pointe Court, Zelienople, PA 16063

Certificate of Analysis

Potassium Permanganate ACS

Product Code: **LC198501**

Manufacture Date: October 28, 2024

Lot Number: **44100407**

Test	Specification	Result
Appearance (color)	dark purple	dark purple
Appearance (state)	crystals	crystals
Assay - % w/w	>= 99.0 % w/w	99.5% w/w
Chloride and bromide (as Cl)	<= 0.005 %	<0.005%
Insoluble Matter and NH4OH ppt	<= 0.2 %	<0.2%
Sulfate (SO4)	<= 0.02 %	<0.02%

Intended Use *- Product is intended for use in manufacturing procedures and laboratory procedures and protocols.*

Storage Information *- Unless noted on the product label, store the product under normal lab conditions in its tightly closed original container. Do not pipet directly from the container or return unused portions to the container.*

Instructions for Handling and Use - *Please refer to the associated product label and Safety Data Sheet (SDS) for informa regarding safety and handling of this product.*

Preparation - *All products are manufactured and tested according to established, documented procedures and methodology Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balance thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST standards.*

Quality Control
Michael Monteleone
Chemistry Supervisor

ISO 9001:2015 Registration #0306-01

Reagent

MT_NaCl_Fis_00001

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	S271	Quality Test / Release Date	07/29/2024
Lot Number	243064		
Description	SODIUM CHLORIDE, CERTIFIED A.C.S.		
Country of Origin	United States	Suggested Retest Date	Jul/2029
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		
Comment	This material does not contain any BPA (Bisphenol A), phthalates/phthalate esters or animal derived substances.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White solid.
ASSAY	%	>= 99.0	99.6
BARIUM (Ba)	PASS/FAIL	= PASS TEST	PASS TEST
BROMIDE	%	<= 0.01	<0.01
CALCIUM	%	<= 0.002	0.0003
CHLORATE & NITRATE	%	<= 0.003	<0.003
HEAVY METALS BY ICP-OES	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.005	<0.005
IODIDE	%	<= 0.002	<0.002
IRON (Fe)	ppm	<= 2	<1
MAGNESIUM	%	<= 0.001	0.0005
PH 5% SOLUTION @ 25 DEG C		Inclusive Between 5.0 - 9.0	6.4
PHOSPHATE (PO4)	ppm	<= 5	<5
POTASSIUM (K)	%	<= 0.005	0.002
SULFATE (SO4)	%	<= 0.004	<0.004

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

MT_S_10Hg_CPI_00002

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: 4400-10PPM331-100

Mercury (Hg) – 10 µg/mL

Lot #: 1452342

Matrix: 2% HNO_3

*Expiration Date: 10 February 2026

Element	Certified Concentration & Uncertainty
Hg	10.00 ± 0.05 µg/mL (w/v)
	10.00 ± 0.05 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034**, **ISO/IEC 17025 and ISO 9001**. This CRM was prepared to a nominal concentration of 10 µg/mL by gravimetric methods using single-element concentrate. The solution was diluted with filtered (0.22um), 18 M-ohm water and stabilized with the appropriate high-purity acid as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3133**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	<2	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	MAJOR	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	<0.5	Ga	<0.5	Li	<2	Os	<0.5	Ru	1	Tb	<0.5	Zn	<2
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

20 February 2024
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

MT_S_10Hg_CPI_00003

06/17/2025

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: 4400-10PPM331-100

Mercury (Hg) – 10 µg/mL

Lot #: 1503810

Matrix: 2% HNO_3

*Expiration Date: 10 February 2026

Element	Certified Concentration & Uncertainty
Hg	10.00 ± 0.05 µg/mL (w/v)
	10.00 ± 0.05 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034, ISO/IEC 17025 and ISO 9001**. This CRM was prepared to a nominal concentration of 10 µg/mL by gravimetric methods using single-element concentrate. The solution was diluted with filtered (0.22um), 18 M-ohm water and stabilized with the appropriate high-purity acid as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3133**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	<2	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	MAJOR	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	<0.5	Ga	<0.5	Li	<2	Os	<0.5	Ru	1	Tb	<0.5	Zn	<2
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

20 February 2024
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

MT_S_ICS2A_IV_00019

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ICS-9A
Lot Number:	U2-MEB731104
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	21 215 µg/mL ea: Chloride, 3 000 µg/mL ea: Calcium, 2 500 µg/mL ea: Iron, Sodium, 2 000 µg/mL ea: Carbon, 1 000 µg/mL ea: Aluminum, Phosphorus, Sulfur, Potassium, Magnesium, 20 µg/mL ea: Molybdenum, Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	1 000 ± 3 µg/mL	Calcium, Ca	3 001 ± 13 µg/mL
Carbon, C	2 001 ± 4 µg/mL	Chloride, Cl	21 230.0 ± 100.0 µg/mL
Iron, Fe	2 501 ± 11 µg/mL	Magnesium, Mg	1 000 ± 4 µg/mL
Molybdenum, Mo	20.01 ± 0.11 µg/mL	Phosphorus, P	1 000 ± 4 µg/mL
Potassium, K	1 000 ± 4 µg/mL	Sodium, Na	2 501 ± 11 µg/mL
Sulfur, S	1 001 ± 4 µg/mL	Titanium, Ti	20.01 ± 0.15 µg/mL

Density: 1.052 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
C	Acidimetric	84L	84L
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cl	Acidimetric	84L	84L
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mo	ICP Assay	3134	130418
Na	ICP Assay	Traceable to 3152A	S2-NA700842
Na	Gravimetric		See Sec. 4.2
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L
S	Acidimetric	84L	84L
S	ICP Assay	traceable to 3154	P2-S680745
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000200	M	Er	<	0.000100	M	Mn		0.005000	s	S	<		O	V	<	0.004600
s	Al	<		M	Eu	<	0.000100	s	Mo	<		M	Sb		0.001400	M	W		0.002300
O	As	<	0.085000	s	Fe	<		s	Na	<		M	Sc	<	0.000700	M	Y	<	0.000400
M	Au	<	0.002200	M	Ga		0.015000	M	Nb	<	0.000100	M	Se	<	0.005800	M	Yb	<	0.000100
M	B	<	0.003300	M	Gd	<	0.000100	M	Nd	<	0.000200	O	Si		0.044000	M	Zn		0.004500
M	Ba		0.003900	M	Ge	<	0.002400	M	Ni		0.012000	M	Sm	<	0.000100	M	Zr		0.001600
M	Be	<	0.000200	M	Hf	<	0.000100	M	Os	<	0.003900	M	Sn	<	0.000600				
M	Bi	<	0.001800	M	Hg	<	0.000200	s	P	<		M	Sr		0.017000				
s	Ca	<		M	Ho	<	0.000100	M	Pb	<	0.001200	M	Ta	<	0.000400				
O	Cd		0.004800	M	In	<	0.000100	M	Pd	<	0.000200	M	Tb	<	0.000100				
M	Ce	<	0.000600	M	Ir	<	0.000100	M	Pr	<	0.000100	M	Te	<	0.000600				
M	Co		0.002200	s	K	<		M	Pt	<	0.000100	M	Th	<	0.000100				
M	Cr		0.032000	M	La	<	0.000800	M	Rb		0.026000	s	Ti	<					
M	Cs		0.001900	O	Li		0.001400	M	Re	<	0.001000	M	Tl	<	0.000100				
M	Cu	<	0.008600	M	Lu	<	0.000100	M	Rh	<	0.000100	M	Tm	<	0.000100				
M	Dy	<	0.000100	s	Mg	<		M	Ru	<	0.000100	M	U	<	0.001200				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 20, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **March 20, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

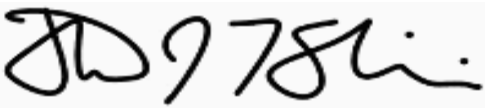
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_S_ICS2B_IV_00007

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Certificate of Analysis

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Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ICS-9B
Lot Number:	S2-MEB711470
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	20 µg/mL ea: Cobalt, Chromium, Copper, Manganese, Nickel, Vanadium, 10 µg/mL ea: Zinc, Arsenic, Cadmium, Selenium, 5 µg/mL ea: Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	10.00 ± 0.06 µg/mL	Cadmium, Cd	10.00 ± 0.04 µg/mL
Chromium, Cr	20.01 ± 0.10 µg/mL	Cobalt, Co	20.01 ± 0.09 µg/mL
Copper, Cu	20.01 ± 0.09 µg/mL	Manganese, Mn	20.01 ± 0.09 µg/mL
Nickel, Ni	20.01 ± 0.09 µg/mL	Selenium, Se	10.00 ± 0.07 µg/mL
Silver, Ag	5.002 ± 0.034 µg/mL	Vanadium, V	20.01 ± 0.09 µg/mL
Zinc, Zn	10.00 ± 0.04 µg/mL		

Density: 1.015 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
Cr	ICP Assay	3112a	170630
Cr	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Cu	Calculated		See Sec. 4.2
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Mn	Calculated		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Ni	Calculated		See Sec. 4.2
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928
Zn	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Low Silver Note: This solution contains “LOW” levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

November 02, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **November 02, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_S_ICVSPK-A_00007

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-69496
Lot Number:	U2-MEB728821
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	2 500 µg/mL ea:

Aluminum, Calcium,
Iron, Potassium,
Magnesium, Sodium,

250 µg/mL ea:

Nickel, Manganese,
Cobalt, Chromium,
Copper, Arsenic,
Barium, Vanadium,
Zinc,

25 µg/mL ea:

Silver, Beryllium,
Cadmium, Lead,
Selenium, Strontium,
Thallium, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 500 ± 9 µg/mL	Arsenic, As	250.0 ± 2.1 µg/mL
Barium, Ba	250.0 ± 1.2 µg/mL	Beryllium, Be	25.00 ± 0.16 µg/mL
Cadmium, Cd	25.00 ± 0.10 µg/mL	Calcium, Ca	2 500 ± 11 µg/mL
Chromium, Cr	250.0 ± 1.8 µg/mL	Cobalt, Co	250.0 ± 1.2 µg/mL
Copper, Cu	250.0 ± 1.0 µg/mL	Iron, Fe	2 500 ± 10 µg/mL
Lead, Pb	25.00 ± 0.11 µg/mL	Magnesium, Mg	2 500 ± 11 µg/mL
Manganese, Mn	250.0 ± 1.0 µg/mL	Nickel, Ni	250.0 ± 1.1 µg/mL
Potassium, K	2 500 ± 11 µg/mL	Selenium, Se	24.99 ± 0.20 µg/mL
Silver, Ag	25.00 ± 0.13 µg/mL	Sodium, Na	2 500 ± 11 µg/mL
Strontium, Sr	25.01 ± 0.10 µg/mL	Thallium, Tl	25.00 ± 0.13 µg/mL
Uranium, U	25.01 ± 0.15 µg/mL	Vanadium, V	250.0 ± 1.1 µg/mL
Zinc, Zn	250.0 ± 1.1 µg/mL		

Density: 1.074 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212
Ag	Volhard	999b	999b
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	060531
Cd	EDTA	928	928
Co	EDTA	928	928
Co	ICP Assay	traceable to 3113	M2-CO661665
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	Traceable to 3152A	S2-NA700842
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	3153a	990906
Tl	ICP Assay	3158	151215
U	ICP Assay	3164	891509
U	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.6 ± 0.1
Uranium 235U	0.42 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 25, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 25, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

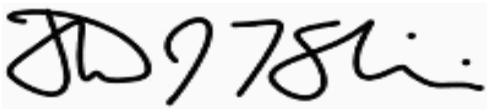
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_S_MSSPK-A_00004

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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-66048-A
Lot Number:	U2-MEB728823
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea:

Aluminum, Calcium,
Iron, Potassium,
Magnesium, Sodium,

500 µg/mL ea:

Nickel, Manganese,
Cobalt, Chromium,
Copper, Arsenic,
Barium, Vanadium,
Zinc,

50 µg/mL ea:

Silver, Beryllium,
Cadmium, Lead,
Selenium, Strontium,
Thallium, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	5 008 ± 18 µg/mL	Arsenic, As	500.8 ± 3.7 µg/mL
Barium, Ba	500.8 ± 2.3 µg/mL	Beryllium, Be	50.07 ± 0.33 µg/mL
Cadmium, Cd	50.07 ± 0.23 µg/mL	Calcium, Ca	5 008 ± 22 µg/mL
Chromium, Cr	500.8 ± 2.9 µg/mL	Cobalt, Co	500.8 ± 2.4 µg/mL
Copper, Cu	500.8 ± 2.0 µg/mL	Iron, Fe	5 008 ± 21 µg/mL
Lead, Pb	50.08 ± 0.22 µg/mL	Magnesium, Mg	5 008 ± 22 µg/mL
Manganese, Mn	500.8 ± 2.0 µg/mL	Nickel, Ni	500.8 ± 2.2 µg/mL
Potassium, K	5 008 ± 22 µg/mL	Selenium, Se	50.09 ± 0.32 µg/mL
Silver, Ag	50.07 ± 0.22 µg/mL	Sodium, Na	5 008 ± 22 µg/mL
Strontium, Sr	50.07 ± 0.19 µg/mL	Thallium, Tl	50.07 ± 0.36 µg/mL
Uranium, U	50.08 ± 0.27 µg/mL	Vanadium, V	500.8 ± 2.2 µg/mL
Zinc, Zn	500.8 ± 2.2 µg/mL		

Density: 1.130 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
As	Calculated		See Sec. 4.2
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	Traceable to 3152A	S2-NA700842
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Tl	ICP Assay	3158	151215
U	ICP Assay	3164	080521
U	Calculated		See Sec. 4.2
U	X_U_CRM		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.19 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 26, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 26, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

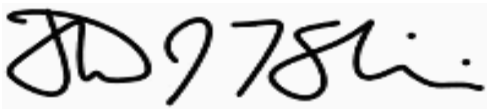
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_S_MWLLC_SC_00009

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-76463
Lot Number:	V2-MEB748176
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	200 µg/mL ea: Potassium, Sodium, 100 µg/mL ea: Calcium, 50 µg/mL ea: Iron, Magnesium, 25 µg/mL ea: Aluminum, 10 µg/mL ea: Titanium, Zinc, 2 µg/mL ea: Tin, Arsenic, Barium, Chromium, Manganese, 1 µg/mL ea: Nickel, Copper, Strontium, Antimony, Selenium, Uranium, 0.5 µg/mL ea: Vanadium, Thallium, Cadmium, Cobalt, Beryllium, Lead, Silver, Molybdenum

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	24.98 ± 0.09 µg/mL	Antimony, Sb	1.001 ± 0.006 µg/mL
Arsenic, As	1.999 ± 0.012 µg/mL	Barium, Ba	2.001 ± 0.012 µg/mL
Beryllium, Be	0.5001 ± 0.0026 µg/mL	Cadmium, Cd	0.5001 ± 0.0030 µg/mL
Calcium, Ca	100.0 ± 0.3 µg/mL	Chromium, Cr	1.999 ± 0.012 µg/mL
Cobalt, Co	0.4997 ± 0.0022 µg/mL	Copper, Cu	1.001 ± 0.006 µg/mL
Iron, Fe	50.02 ± 0.22 µg/mL	Lead, Pb	0.4996 ± 0.0022 µg/mL
Magnesium, Mg	50.02 ± 0.22 µg/mL	Manganese, Mn	2.000 ± 0.010 µg/mL
Molybdenum, Mo	0.5004 ± 0.0034 µg/mL	Nickel, Ni	1.000 ± 0.006 µg/mL
Potassium, K	200.1 ± 0.9 µg/mL	Selenium, Se	1.000 ± 0.005 µg/mL
Silver, Ag	0.4998 ± 0.0034 µg/mL	Sodium, Na	200.1 ± 0.9 µg/mL
Strontium, Sr	1.000 ± 0.004 µg/mL	Thallium, Tl	0.4993 ± 0.0026 µg/mL
Tin, Sn	2.000 ± 0.014 µg/mL	Titanium, Ti	9.98 ± 0.06 µg/mL
Uranium, U	1.000 ± 0.005 µg/mL	Vanadium, V	0.5001 ± 0.0026 µg/mL
Zinc, Zn	10.01 ± 0.05 µg/mL		

Density: 1.011 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
As	Calculated		See Sec. 4.2
Ba	ICP Assay	3104a	140909
Ba	Calculated		See Sec. 4.2
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
Cr	ICP Assay	3112a	170630
Cr	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Cu	Calculated		See Sec. 4.2
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Mn	Calculated		See Sec. 4.2
Mo	ICP Assay	3134	130418
Mo	Calculated		See Sec. 4.2
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Ni	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
Sb	Calculated		See Sec. 4.2
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Sn	ICP Assay	3161a	140917

Sn	Calculated		See Sec. 4.2
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Sr	Calculated		See Sec. 4.2
Ti	ICP Assay	traceable to 3162a	T2-TI725816
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
U	ICP Assay	traceable to 3164	R2-U689597
U	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
V	Calculated		See Sec. 4.2
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma\{(w_i)^2\ (u_{char\ i})^2\}]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.19 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information (https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver)

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

October 31, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **October 31, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_SULF_FI_00022

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	A300	Quality Test / Release Date	09/11/2023
Lot Number	233289		
Description	SULFURIC ACID, ACS grade		
Country of Origin	United States	Suggested Retest Date	Sep/2028
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Colorless and free from suspended or insoluble matter
AMMONIUM (NH4)	ppm	<= 2	<1
ARSENIC (As)	ppm	<= 0.01	<0.001
ASSAY	w/w %	Inclusive Between 95.0 - 98.0	96.5
CHLORIDE	ppm	<= 0.2	<0.1
COLOR	APHA	<= 10	<10
HEAVY METALS (as Pb)	ppm	<= 1	<0.005
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	ppm	<= 0.2	<0.2
MERCURY (Hg)	ppb	<= 5	<5
NITRATE (NO3)	ppm	<= 0.5	<0.1
RESIDUE AFTER IGNITION	ppm	<= 5	<3
SUBSTANCES REDUCING KMNO4	ppm	<= 2	<2.0

Harout Sahagian - Quality Control Supervisor - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

OP_EDB ICVSTK_00002

OR-EDBICVSTK-00002

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30239 **Lot No.:** A0207387

Description : 504.1 Calibration Mix

504.1 Calibration Std 200µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dibromoethane (EDB)	106-93-4	BCCF5058	99%	202.0 µg/mL	+/- 11.3771
2	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	200.9 µg/mL	+/- 11.3151
3	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	201.8 µg/mL	+/- 11.3636

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

OP_EDBSS_STK_00002

OP-EDBSS-STK-00002

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: M-502-44
Description: 1,1,2,2-Tetrachloroethane
Lot: 219051693
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: May 23, 2019
Expiration: May 23, 2029
Sample Size: 1 mL
Components: 1
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
1,1,2,2-Tetrachloroethane	79-34-5	98.3	200.6	197.2

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

Reagent

OP_LCSmix2stk_00009

OP_LCSmix25K-00009

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is Intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0212130

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	2,012.5 µg/mL	+/- 59.1067
2	epsilon-Caprolactam	105-60-2	I16X016	99%	2,014.5 µg/mL	+/- 59.1655
3	Atrazine	1912-24-9	5FYWL	99%	2,001.1 µg/mL	+/- 58.7726

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

OP_RES_APPX1_00016

OP-RES-APPX1-00016

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570667 **Lot No.:** A0213252

Description : 8270 Supplemental Standard #1

8270 Supplemental Standard #1 1,000µg/mL, Methylene chloride, 1mL/ampul
Also described as 8270 List 2 / Std #1

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Picoline	109-06-8	STBJ3945	99%	1,004.0 µg/mL	+/- 18.5897
2	N-Nitrosomethylethylamine	10595-95-6	13530400	99%	1,006.0 µg/mL	+/- 18.6267
3	Acrylamide	79-06-1	01402JA	99%	1,005.0 µg/mL	+/- 18.6082
4	N-Nitrosodiethylamine	55-18-5	UT2EJ	99%	1,005.0 µg/mL	+/- 18.6082
5	N-Nitrosopyrrolidine	930-55-2	4-EOD-34-1	99%	1,008.0 µg/mL	+/- 18.6638
6	o-Toluidine	95-53-4	03417PZ	99%	1,007.0 µg/mL	+/- 18.6452
7	N-Nitrosomorpholine	59-89-2	GOJNI	99%	1,006.0 µg/mL	+/- 18.6267
8	N-Nitrosopiperidine	100-75-4	13518900	99%	1,007.0 µg/mL	+/- 18.6452
9	Phentermine (a,a-Dimethylphenethylamine)	122-09-8	231012JLM	99%	1,006.0 µg/mL	+/- 18.6267
10	Quinoline	91-22-5	UU6EC	99%	1,005.0 µg/mL	+/- 18.6082
11	N-Nitrosodi-n-butylamine	924-16-3	7BSAG	99%	1,007.0 µg/mL	+/- 18.6452
12	1,4-Phenylenediamine	106-50-3	15063900	99%	1,007.0 µg/mL	+/- 18.6452
13	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.0 µg/mL	+/- 18.6082
14	1-Naphthylamine (1-aminonaphthalene)	134-32-7	WRJNI	99%	1,007.0 µg/mL	+/- 18.6452
15	2-Naphthylamine (2-aminonaphthalene)	91-59-8	816595	99%	1,007.0 µg/mL	+/- 18.6452

Reagent

OP_RES_APPX2_00016

OP_RES-APX2-00016

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569733 **Lot No.:** A0213441

Description : 8270 List 2 / Std #2 (2015)

8270 List 2 / Std #2 (2015) 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2025 **Storage:** -20°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl methanesulfonate	66-27-3	MKCT0680	99%	1,003.0 µg/mL	+/- 23.0258
2	Ethyl methanesulfonate	62-50-0	H6VUB	99%	1,008.0 µg/mL	+/- 23.1406
3	Pentachloroethane	76-01-7	15250200	98%	1,001.6 µg/mL	+/- 22.9927
4	Hexachloropropene	1888-71-7	44391/3	99%	1,002.0 µg/mL	+/- 23.0028
5	Isosafrole (cis & trans) 16% cis; 84% trans	120-58-1	MKBZ0058V	97%	1,007.8 µg/mL	+/- 23.1367
6	1-Chloronaphthalene	90-13-1	TXRHO	98%	1,004.5 µg/mL	+/- 23.0602
7	1,4-Naphthoquinone	130-15-4	KKMWB	99%	1,002.0 µg/mL	+/- 23.0028
8	Pentachlorobenzene	608-93-5	MKCS7191	99%	1,006.0 µg/mL	+/- 23.0947
9	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,008.0 µg/mL	+/- 23.1406
10	Dinoseb	88-85-7	50001	99%	1,000.0 µg/mL	+/- 22.9569
11	Isodrin	465-73-6	15458600	98%	1,004.5 µg/mL	+/- 23.0602
12	Chlorobenzilate	510-15-6	15268200	98%	1,006.5 µg/mL	+/- 23.1052
13	7,12-Dimethylbenz(a)anthracene	57-97-6	LUQXO	99%	1,010.0 µg/mL	+/- 23.1865

Reagent

OP_RES_APPX4_00010

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567681 **Lot No.:** A0203600

Description : 8270 List 2 / Std #4

8270 List 2 / Std #4 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o,o,o-Triethyl phosphorothioate	126-68-1	2-KRR-57-1	98%	1,005.5 µg/mL	+/- 45.9024
2	Safrole	94-59-7	322225/11292	99%	1,009.0 µg/mL	+/- 46.0631
3	Zinophos (thionazine)	297-97-2	14454100	98%	1,005.5 µg/mL	+/- 45.9024
4	Sulfotepp	3689-24-5	SL230731	99%	1,006.0 µg/mL	+/- 45.9262
5	Diallate (cis and trans) 74% cis-Diallate; 26% trans-Diallate	2303-16-4	14730400	99%	1,006.0 µg/mL	+/- 45.9262
6	Phorate	298-02-2	13939400	99%	1,008.0 µg/mL	+/- 46.0175
7	Dimethoate	60-51-5	14574600	99%	1,008.0 µg/mL	+/- 46.0175
8	Disulfoton	298-04-4	13839400	98%	1,004.5 µg/mL	+/- 45.8577
9	Methyl parathion	298-00-0	14116700	99%	1,007.0 µg/mL	+/- 45.9718
10	Parathion (Ethyl parathion)	56-38-2	14438600	99%	1,007.0 µg/mL	+/- 45.9718
11	Aramite 2% Isomer 1; 2% Isomer 2; 36% Isomer 3; 60% Isomer 4	140-57-8	14438500	99%	1,006.0 µg/mL	+/- 45.9262
12	Famphur	52-85-7	14021600	99%	1,006.0 µg/mL	+/- 45.9262

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

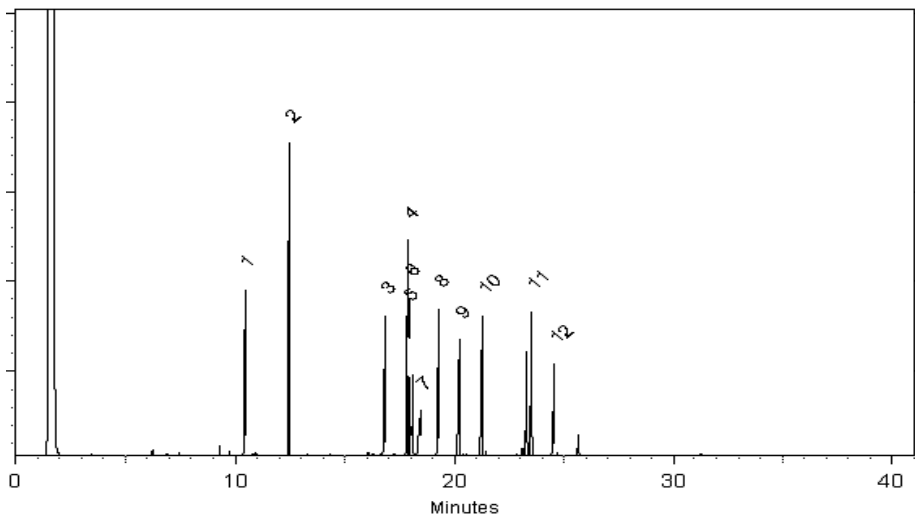
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 25-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_RES_APPX6_00010

OP-RES-APX6-00010

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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is Intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568727 **Lot No.:** A0216024

Description : 8270 List 2/ Std #8 Dibenz(a,j)acridine

8270 List 2/ Std #8 Dibenz(a,j)acridine 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2027 **Storage:** -10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibenz(a,j)acridine	224-42-0	0012011	97%	2,006.2 µg/mL	+/- 90.3934

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

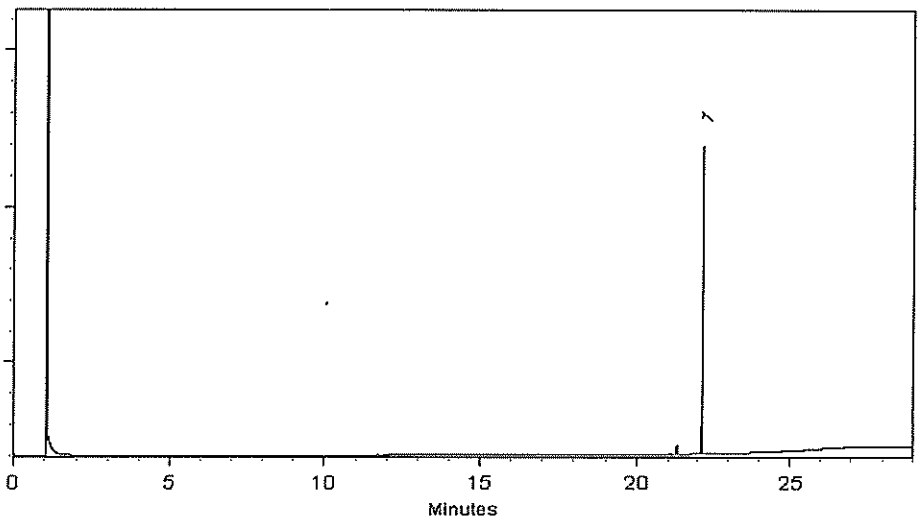
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 03-Sep-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

OP_RES_LCS3_00011

OR-RES-LCS3-00010

RESTEK

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CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0203783

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD221018	98%	2,005.7 µg/mL	+/- 112.6725
2	Benzoic acid	65-85-0	MKCR2694	99%	2,003.1 µg/mL	+/- 112.5297

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

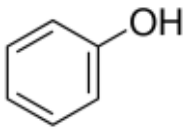
WC_FL_Q_OOH_00015

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Phenol - puriss. p.a., ACS reagent, reag. Ph. Eur., 99.0-100.5%

Product Number:	**33517**
Batch Number:	**STBL0623**
Brand:	SIAL
CAS Number:	108-95-2
Formula:	C6H6O
Formula Weight:	94,11 g/mol
Quality Release Date:	27 FEB 2023
Recommended Retest Date:	JUN 2025



Test	Specification	Result
Assay	99.0 - 100.5 %	99.6 %
Purity (GC)	≥ 99.5 %	> 99.9 %
GC Minor Component 1 O-Cresol	≤ 0.05 %	< 0.05 %
GC Minor Component 2 M-Cresol	≤ 0.05 %	< 0.05 %
GC Minor Component 3 P-Cresol	≤ 0.05 %	< 0.05 %
Freezing Point	≥ 40.5 °C	40.8 °C
Solubility (Color)	Complying	Complies
Solubility (Turbidity)	Complying	Complies
Water	≤ 0.2 %	0.1 %
Residue after evaporation	≤ 0.01 %	< 0.01 %
Acidity	Complying	Complies
Heavy Metal (As Pb)	≤ 0.001 %	< 0.001 %
Miscellaneous Assay Sensitivity as Microanalytical Reagent	Complying	Complies
Chloride (Cl)	≤ 0.0005 %	< 0.0005 %
Iron (Fe)	≤ 0.0001 %	< 0.0001 %

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Number: **33517**
Batch Number: **STBL0623**

Dr. Christian Matheis
Manager, Quality Control
Steinheim, Germany DE

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Method 8260D

Volatile Organic Compounds (GC/MS) by Method 8260D

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): R-624SilMS 3 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-2D	410-225004-1	96	91	102	102
MW-3D	410-225004-2	94	93	102	103
MW-6D	410-225004-3	94	92	101	101
MW-7D	410-225004-4	97	93	102	104
MW-8	410-225004-5	96	95	101	102
EB	410-225004-6	96	91	102	101
Trip Blank	410-225004-7	104	104	99	96
	MB 410-655353/8	94	92	103	103
	MB 410-656473/7	104	106	98	91
	LCS 410-655353/5	96	97	103	101
	LCS 410-656473/5	99	103	104	96
MW-3D MS	410-225004-2 MS	97	96	102	102
MW-3D MSD	410-225004-2 MSD	95	96	101	101

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	80-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	80-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: FU10X34.D

Lab ID: LCS 410-655353/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.0	100	73-120	
1,1,2,2-Tetrachloroethane	20.0	24.3	122	72-120	*+
1,1,2-Trichloroethane	20.0	21.2	106	80-120	
1,1-Dichloroethane	20.0	24.6	123	80-120	*+
1,1-Dichloroethene	20.0	25.5	128	80-131	
1,2,4-Trichlorobenzene	20.0	19.1	95	63-120	
1,2-Dichlorobenzene	20.0	19.9	100	80-120	
1,2-Dichloroethane	20.0	19.5	98	73-124	
1,2-Dichloropropane	20.0	23.4	117	80-120	
1,3-Dichlorobenzene	20.0	19.2	96	80-120	
1,4-Dichlorobenzene	20.0	19.7	98	80-120	
2-Butanone	250	280	112	59-135	
2-Hexanone	250	310	124	56-135	
4-Methyl-2-pentanone	250	309	123	62-133	
Acetone	250	299	120	57-143	
Benzene	20.0	21.8	109	80-120	
Bromodichloromethane	20.0	20.2	101	71-120	
Bromoform	20.0	17.4	87	51-120	
Bromomethane	20.0	22.1	111	53-128	
Carbon disulfide	20.0	24.7	124	65-128	
Carbon tetrachloride	20.0	19.2	96	64-134	
Chlorobenzene	20.0	20.0	100	80-120	
Chloroethane	20.0	24.5	122	55-123	
Chloroform	20.0	21.7	108	80-120	
Chloromethane	20.0	25.9	129	39-134	
cis-1,2-Dichloroethene	20.0	21.2	106	80-125	
cis-1,3-Dichloropropene	20.0	19.4	97	75-120	
Cyclohexane	20.0	25.1	125	68-126	
Dibromochloromethane	20.0	18.8	94	71-120	
Dichlorodifluoromethane	20.0	21.8	109	26-127	
Ethylbenzene	20.0	21.8	109	80-120	
Freon 113	20.0	21.7	109	57-122	
Isopropylbenzene	20.0	22.7	114	80-120	
Methyl acetate	20.0	23.1	116	48-168	
Methyl tertiary butyl ether	20.0	21.2	106	69-122	
Methylcyclohexane	20.0	19.8	99	67-121	
Methylene Chloride	20.0	23.9	119	80-120	
Styrene	20.0	20.4	102	80-120	
Tetrachloroethene	20.0	17.4	87	80-120	
Toluene	20.0	20.8	104	80-120	
trans-1,2-Dichloroethene	20.0	21.9	109	80-126	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: FU10X34.D

Lab ID: LCS 410-655353/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	20.0	19.3	96	67-120	
Trichloroethene	20.0	19.0	95	80-120	
Trichlorofluoromethane	20.0	20.7	104	51-120	
Vinyl chloride	20.0	24.5	123	56-120	*+
Xylene (total)	60.0	60.3	101	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: WU12X04.D

Lab ID: LCS 410-656473/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.9	104	73-120	
1,1,2,2-Tetrachloroethane	20.0	21.1	105	72-120	
1,1,2-Trichloroethane	20.0	21.3	107	80-120	
1,1-Dichloroethane	20.0	21.9	110	80-120	
1,1-Dichloroethene	20.0	24.2	121	80-131	
1,2,4-Trichlorobenzene	20.0	18.7	93	63-120	
1,2-Dichlorobenzene	20.0	21.4	107	80-120	
1,2-Dichloroethane	20.0	19.9	99	73-124	
1,2-Dichloropropane	20.0	20.9	104	80-120	
1,3-Dichlorobenzene	20.0	22.1	111	80-120	
1,4-Dichlorobenzene	20.0	21.6	108	80-120	
2-Butanone	250	216	86	59-135	
2-Hexanone	250	245	98	56-135	
4-Methyl-2-pentanone	250	233	93	62-133	
Acetone	250	283	113	57-143	
Benzene	20.0	21.3	107	80-120	
Bromodichloromethane	20.0	19.9	100	71-120	
Bromoform	20.0	19.0	95	51-120	
Bromomethane	20.0	21.5	108	53-128	
Carbon disulfide	20.0	20.9	105	65-128	
Carbon tetrachloride	20.0	20.0	100	64-134	
Chlorobenzene	20.0	22.1	111	80-120	
Chloroethane	20.0	20.6	103	55-123	
Chloroform	20.0	21.8	109	80-120	
Chloromethane	20.0	19.2	96	39-134	
cis-1,2-Dichloroethene	20.0	23.0	115	80-125	
cis-1,3-Dichloropropene	20.0	18.9	95	75-120	
Cyclohexane	20.0	19.1	95	68-126	
Dibromochloromethane	20.0	20.1	101	71-120	
Dichlorodifluoromethane	20.0	19.7	98	26-127	
Ethylbenzene	20.0	21.6	108	80-120	
Freon 113	20.0	19.3	97	57-122	
Isopropylbenzene	20.0	23.6	118	80-120	
Methyl acetate	20.0	18.1	90	48-168	
Methyl tertiary butyl ether	20.0	17.9	90	69-122	
Methylcyclohexane	20.0	18.9	95	67-121	
Methylene Chloride	20.0	22.7	113	80-120	
Styrene	20.0	21.5	108	80-120	
Tetrachloroethene	20.0	21.9	109	80-120	
Toluene	20.0	22.7	113	80-120	
trans-1,2-Dichloroethene	20.0	22.8	114	80-126	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: WU12X04.D

Lab ID: LCS 410-656473/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	20.0	20.2	101	67-120	
Trichloroethene	20.0	21.5	107	80-120	
Trichlorofluoromethane	20.0	18.7	93	51-120	
Vinyl chloride	20.0	19.7	99	56-120	
Xylene (total)	60.0	65.7	110	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: FU10X47.D

Lab ID: 410-225004-2 MS Client ID: MW-3D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	ND	20.5	103	68-120	
1,1,2,2-Tetrachloroethane	20.0	ND	23.8	119	71-122	
1,1,2-Trichloroethane	20.0	ND	21.0	105	80-120	
1,1-Dichloroethane	20.0	ND	25.6	128	74-120	F1
1,1-Dichloroethene	20.0	ND	28.0	140	74-121	F1
1,2,4-Trichlorobenzene	20.0	ND	15.9	80	65-123	
1,2-Dichlorobenzene	20.0	ND	19.5	98	75-120	
1,2-Dichloroethane	20.0	ND	19.3	97	69-120	
1,2-Dichloropropane	20.0	ND	23.8	119	77-120	
1,3-Dichlorobenzene	20.0	ND	19.0	95	77-120	
1,4-Dichlorobenzene	20.0	ND	19.5	98	79-120	
2-Butanone	250	ND	275	110	65-131	
2-Hexanone	250	ND	296	118	67-132	
4-Methyl-2-pentanone	250	ND	298	119	66-129	
Acetone	250	1.4 J	302	120	58-141	
Benzene	20.0	ND	23.0	115	81-120	
Bromodichloromethane	20.0	ND	20.0	100	73-120	
Bromoform	20.0	ND	15.9	80	64-125	
Bromomethane	20.0	ND	22.5	113	43-128	
Carbon disulfide	20.0	ND	29.0	145	75-132	F1
Carbon tetrachloride	20.0	ND	19.2	96	63-128	
Chlorobenzene	20.0	ND	20.7	104	80-120	
Chloroethane	20.0	ND	25.3	126	60-121	F1
Chloroform	20.0	ND	22.3	111	74-120	
Chloromethane	20.0	ND	26.5	132	49-126	F1
cis-1,2-Dichloroethene	20.0	ND	22.1	111	81-121	
cis-1,3-Dichloropropene	20.0	ND	18.1	91	71-120	
Cyclohexane	20.0	ND	27.8	139	63-126	F1
Dibromochloromethane	20.0	ND	17.3	87	74-120	
Dichlorodifluoromethane	20.0	ND	23.8	119	27-131	
Ethylbenzene	20.0	ND	22.2	111	78-120	
Freon 113	20.0	ND	25.1	125	64-131	
Isopropylbenzene	20.0	ND	23.8	119	75-121	
Methyl acetate	20.0	ND	15.3	76	59-165	
Methyl tertiary butyl ether	20.0	ND	20.7	103	75-120	
Methylcyclohexane	20.0	ND	22.1	111	60-126	
Methylene Chloride	20.0	ND	24.9	125	77-120	F1
Styrene	20.0	ND	20.4	102	78-120	
Tetrachloroethene	20.0	ND	18.7	94	68-125	
Toluene	20.0	ND	21.7	108	79-120	
trans-1,2-Dichloroethene	20.0	ND	23.5	117	74-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: FU10X47.D

Lab ID: 410-225004-2 MS Client ID: MW-3D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	20.0	ND	17.2	86	72-120	
Trichloroethene	20.0	ND	20.2	101	76-120	
Trichlorofluoromethane	20.0	ND	23.0	115	47-120	
Vinyl chloride	20.0	ND	26.3	131	52-120	F1
Xylene (total)	60.0	ND	62.0	103	78-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: FU10X48.D

Lab ID: 410-225004-2 MSD Client ID: MW-3D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.4	107	4	30	68-120	
1,1,2,2-Tetrachloroethane	20.0	25.3	126	6	30	71-122	F1
1,1,2-Trichloroethane	20.0	21.0	105	0	30	80-120	
1,1-Dichloroethane	20.0	26.0	130	2	30	74-120	F1
1,1-Dichloroethene	20.0	28.6	143	2	30	74-121	F1
1,2,4-Trichlorobenzene	20.0	18.2	91	13	30	65-123	
1,2-Dichlorobenzene	20.0	20.7	103	6	30	75-120	
1,2-Dichloroethane	20.0	19.9	99	3	30	69-120	
1,2-Dichloropropane	20.0	24.0	120	1	30	77-120	
1,3-Dichlorobenzene	20.0	20.1	100	5	30	77-120	
1,4-Dichlorobenzene	20.0	20.5	102	5	30	79-120	
2-Butanone	250	288	115	5	30	65-131	
2-Hexanone	250	307	123	4	30	67-132	
4-Methyl-2-pentanone	250	303	121	2	30	66-129	
Acetone	250	317	126	5	30	58-141	
Benzene	20.0	23.5	118	2	30	81-120	
Bromodichloromethane	20.0	20.2	101	1	30	73-120	
Bromoform	20.0	16.2	81	2	30	64-125	
Bromomethane	20.0	22.7	113	1	30	43-128	
Carbon disulfide	20.0	29.9	149	3	30	75-132	F1
Carbon tetrachloride	20.0	19.9	100	3	30	63-128	
Chlorobenzene	20.0	21.1	105	2	30	80-120	
Chloroethane	20.0	25.7	128	1	30	60-121	F1
Chloroform	20.0	22.1	111	1	30	74-120	
Chloromethane	20.0	26.9	134	1	30	49-126	F1
cis-1,2-Dichloroethene	20.0	22.1	111	0	30	81-121	
cis-1,3-Dichloropropene	20.0	18.8	94	4	30	71-120	
Cyclohexane	20.0	28.0	140	0	30	63-126	F1
Dibromochloromethane	20.0	18.2	91	5	30	74-120	
Dichlorodifluoromethane	20.0	24.4	122	3	30	27-131	
Ethylbenzene	20.0	22.8	114	3	30	78-120	
Freon 113	20.0	25.5	127	2	30	64-131	
Isopropylbenzene	20.0	24.2	121	2	30	75-121	
Methyl acetate	20.0	16.7	84	9	30	59-165	
Methyl tertiary butyl ether	20.0	21.3	107	3	30	75-120	
Methylcyclohexane	20.0	22.3	111	1	30	60-126	
Methylene Chloride	20.0	24.8	124	1	30	77-120	F1
Styrene	20.0	21.3	106	4	30	78-120	
Tetrachloroethene	20.0	19.0	95	2	30	68-125	
Toluene	20.0	22.4	112	3	30	79-120	
trans-1,2-Dichloroethene	20.0	23.0	115	2	30	74-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: FU10X48.D

Lab ID: 410-225004-2 MSD Client ID: MW-3D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
trans-1,3-Dichloropropene	20.0	18.2	91	6	30	72-120	
Trichloroethene	20.0	20.8	104	3	30	76-120	
Trichlorofluoromethane	20.0	23.3	117	1	30	47-120	
Vinyl chloride	20.0	26.9	135	2	30	52-120	F1
Xylene (total)	60.0	64.0	107	3	30	78-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: FU10X37.D Lab Sample ID: MB 410-655353/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: 15830 Date Analyzed: 06/10/2025 14:39

GC Column: R-624SilMS 30m ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-655353/5	FU10X34.D	06/10/2025 13:41
EB	410-225004-6	FU10X40.D	06/10/2025 15:38
MW-2D	410-225004-1	FU10X42.D	06/10/2025 16:17
MW-6D	410-225004-3	FU10X43.D	06/10/2025 16:36
MW-7D	410-225004-4	FU10X44.D	06/10/2025 16:55
MW-8	410-225004-5	FU10X45.D	06/10/2025 17:15
MW-3D	410-225004-2	FU10X46.D	06/10/2025 17:34
MW-3D MS	410-225004-2 MS	FU10X47.D	06/10/2025 17:53
MW-3D MSD	410-225004-2 MSD	FU10X48.D	06/10/2025 18:13

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: WU12X06.D Lab Sample ID: MB 410-656473/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: 9137 Date Analyzed: 06/12/2025 10:56

GC Column: R-624SilMS 30m ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-656473/5	WU12X04.D	06/12/2025 10:12
Trip Blank	410-225004-7	WU12X08.D	06/12/2025 12:00

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: FA07T01.D BFB Injection Date: 04/07/2025

Instrument ID: 15830 BFB Injection Time: 14:11

Analysis Batch No.: 627062

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.9	
75	30.0 - 60.0 % of mass 95	50.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.7	(0.9) 1
174	Greater than 50% of mass 95	82.3	
175	5.0 - 9.0 % of mass 174	6.1	(7.4) 1
176	95.0 - 101.0 % of mass 174	80.0	(97.2) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-627062/4	FA07X03.D	04/07/2025	15:24
	IC 410-627062/5	FA07X04.D	04/07/2025	15:43
	IC 410-627062/6	FA07X05.D	04/07/2025	16:02
	IC 410-627062/7	FA07X06.D	04/07/2025	16:22
	ICIS 410-627062/8	FA07X07.D	04/07/2025	16:41
	IC 410-627062/9	FA07X08.D	04/07/2025	17:00
	IC 410-627062/10	FA07X09.D	04/07/2025	17:19
	ICV 410-627062/12	FA07X11.D	04/07/2025	17:58

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: FU10T31.D BFB Injection Date: 06/10/2025

Instrument ID: 15830 BFB Injection Time: 12:29

Analysis Batch No.: 655353

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.0	
75	30.0 - 60.0 % of mass 95	48.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.6	(0.9) 1
174	Greater than 50% of mass 95	66.4	
175	5.0 - 9.0 % of mass 174	4.9	(7.4) 1
176	95.0 - 101.0 % of mass 174	63.4	(95.5) 1
177	5.0 - 9.0 % of mass 176	4.3	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-655353/4	FU10X33.D	06/10/2025	13:22
	LCS 410-655353/5	FU10X34.D	06/10/2025	13:41
	MB 410-655353/8	FU10X37.D	06/10/2025	14:39
EB	410-225004-6	FU10X40.D	06/10/2025	15:38
MW-2D	410-225004-1	FU10X42.D	06/10/2025	16:17
MW-6D	410-225004-3	FU10X43.D	06/10/2025	16:36
MW-7D	410-225004-4	FU10X44.D	06/10/2025	16:55
MW-8	410-225004-5	FU10X45.D	06/10/2025	17:15
MW-3D	410-225004-2	FU10X46.D	06/10/2025	17:34
MW-3D MS	410-225004-2 MS	FU10X47.D	06/10/2025	17:53
MW-3D MSD	410-225004-2 MSD	FU10X48.D	06/10/2025	18:13

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: WA22T01.D BFB Injection Date: 04/22/2025

Instrument ID: 9137 BFB Injection Time: 16:40

Analysis Batch No.: 633920

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.8	
75	30.0 - 60.0 % of mass 95	45.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.5	(0.7) 1
174	Greater than 50% of mass 95	80.3	
175	5.0 - 9.0 % of mass 174	6.0	(7.5) 1
176	95.0 - 101.0 % of mass 174	77.2	(96.1) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-633920/12	WA17X02.D	04/22/2025	17:25
	IC 410-633920/13	WA17X03.D	04/22/2025	17:46
	IC 410-633920/14	WA17X04.D	04/22/2025	18:08
	IC 410-633920/15	WA17X05.D	04/22/2025	18:30
	ICIS 410-633920/16	WA17X06.D	04/22/2025	18:52
	IC 410-633920/17	copy_WA17X07.D	04/22/2025	19:14
	IC 410-633920/18	WA17X08.D	04/22/2025	19:36
	ICV 410-633920/20	WA17X10.D	04/22/2025	20:20

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: WU12T01.D BFB Injection Date: 06/12/2025

Instrument ID: 9137 BFB Injection Time: 08:37

Analysis Batch No.: 656473

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.8	
75	30.0 - 60.0 % of mass 95	43.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.2	(0.2) 1
174	Greater than 50% of mass 95	83.5	
175	5.0 - 9.0 % of mass 174	6.0	(7.2) 1
176	95.0 - 101.0 % of mass 174	80.5	(96.4) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-656473/3	WU12X02.D	06/12/2025	9:28
	LCS 410-656473/5	WU12X04.D	06/12/2025	10:12
	MB 410-656473/7	WU12X06.D	06/12/2025	10:56
Trip Blank	410-225004-7	WU12X08.D	06/12/2025	12:00

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: ICIS 410-627062/8 Date Analyzed: 04/07/2025 16:41

Instrument ID: 15830 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): FA07X07.D Heated Purge: (Y/N) N

Calibration ID: 71472

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		857202	2.28	1288050	4.10	858367	6.48
UPPER LIMIT		1714404	2.78	2576100	4.60	1716734	6.98
LOWER LIMIT		428601	1.78	644025	3.60	429184	5.98
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-627062/12		786946	2.20	1257985	4.10	833319	6.48
CCVIS 410-655353/4		816875	2.25	1359559	4.08	916662	6.48

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: ICIS 410-627062/8 Date Analyzed: 04/07/2025 16:41

Instrument ID: 15830 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): FA07X07.D Heated Purge: (Y/N) N

Calibration ID: 71472

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		519778	7.86				
UPPER LIMIT		1039556	8.36				
LOWER LIMIT		259889	7.36				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-627062/12		522117	7.86				
CCVIS 410-655353/4		499660	7.86				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVIS 410-655353/4 Date Analyzed: 06/10/2025 13:22

Instrument ID: 15830 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): FU10X33.D Heated Purge: (Y/N) N

Calibration ID: 71472

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		816875	2.25	1359559	4.08	916662	6.48
UPPER LIMIT		1633750	2.75	2719118	4.58	1833324	6.98
LOWER LIMIT		408438	1.75	679780	3.58	458331	5.98
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-655353/5		772135	2.21	1255426	4.08	841601	6.48
MB 410-655353/8		757489	2.21	1260536	4.08	857669	6.48
410-225004-6	EB	723122	2.22	1191313	4.08	803725	6.48
410-225004-1	MW-2D	700331	2.23	1178742	4.08	791223	6.48
410-225004-3	MW-6D	710938	2.20	1240524	4.08	835465	6.48
410-225004-4	MW-7D	749177	2.22	1224509	4.08	830978	6.48
410-225004-5	MW-8	742120	2.23	1246720	4.08	851619	6.48
410-225004-2	MW-3D	674757	2.27	1317819	4.08	886273	6.48
410-225004-2 MS	MW-3D MS	695669	2.22	1239269	4.09	833414	6.48
410-225004-2 MSD	MW-3D MSD	677646	2.20	1247402	4.09	827764	6.48

TBAd10 = t-Butyl alcohol-d10 (IS)
TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVIS 410-655353/4 Date Analyzed: 06/10/2025 13:22

Instrument ID: 15830 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): FU10X33.D Heated Purge: (Y/N) N

Calibration ID: 71472

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		499660	7.86				
UPPER LIMIT		999320	8.36				
LOWER LIMIT		249830	7.36				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-655353/5		467980	7.86				
MB 410-655353/8		482665	7.86				
410-225004-6	EB	462510	7.86				
410-225004-1	MW-2D	450536	7.86				
410-225004-3	MW-6D	478885	7.86				
410-225004-4	MW-7D	485657	7.86				
410-225004-5	MW-8	487429	7.86				
410-225004-2	MW-3D	503367	7.86				
410-225004-2 MS	MW-3D MS	464880	7.86				
410-225004-2 MSD	MW-3D MSD	451229	7.86				

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: ICIS 410-633920/16 Date Analyzed: 04/22/2025 18:52

Instrument ID: 9137 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): WA17X06.D Heated Purge: (Y/N) N

Calibration ID: 71959

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		477409	4.38	1209014	7.83	869069	11.28
UPPER LIMIT		954818	4.88	2418028	8.33	1738138	11.78
LOWER LIMIT		238705	3.88	604507	7.33	434535	10.78
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-633920/20		441046	4.38	1099309	7.83	807513	11.28
CCVIS 410-656473/3		313071	4.34	1122132	7.83	815530	11.28

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: ICIS 410-633920/16 Date Analyzed: 04/22/2025 18:52

Instrument ID: 9137 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): WA17X06.D Heated Purge: (Y/N) N

Calibration ID: 71959

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		514248	13.16				
UPPER LIMIT		1028496	13.66				
LOWER LIMIT		257124	12.66				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-633920/20		458868	13.16				
CCVIS 410-656473/3		455095	13.16				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVIS 410-656473/3 Date Analyzed: 06/12/2025 09:28

Instrument ID: 9137 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): WU12X02.D Heated Purge: (Y/N) N

Calibration ID: 71959

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		313071	4.34	1122132	7.83	815530	11.28
UPPER LIMIT		626142	4.84	2244264	8.33	1631060	11.78
LOWER LIMIT		156536	3.84	561066	7.33	407765	10.78
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-656473/5		308009	4.32	1125488	7.83	808569	11.28
MB 410-656473/7		267736	4.36	973975	7.82	715957	11.28
410-225004-7	Trip Blank	284503	4.36	1054415	7.83	733615	11.28

TBAd10 = t-Butyl alcohol-d10 (IS)
TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVIS 410-656473/3 Date Analyzed: 06/12/2025 09:28

Instrument ID: 9137 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): WU12X02.D Heated Purge: (Y/N) N

Calibration ID: 71959

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		455095	13.16				
UPPER LIMIT		910190	13.66				
LOWER LIMIT		227548	12.66				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-656473/5		458519	13.16				
MB 410-656473/7		394277	13.16				
410-225004-7	Trip Blank	423243	13.16				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Matrix: Water
Lab File ID: FU10X42.D

Analysis Method: 8260D
Date Collected: 05/29/2025 09:06

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 16:17

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND	*+	1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND	cn	10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND	cn	5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	12		1.0	0.30
74-87-3	Chloromethane	ND	cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	ND		5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.30
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Matrix: Water
Lab File ID: FU10X42.D

Analysis Method: 8260D
Date Collected: 05/29/2025 09:06

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 16:17

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		5.0	0.30
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.30
75-01-4	Vinyl chloride	ND	*+	1.0	0.30
1330-20-7	Xylene (total)	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Matrix: Water
Lab File ID: FU10X42.D

Analysis Method: 8260D
Date Collected: 05/29/2025 09:06

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 16:17

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

Number TICs Found: 0
TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X42.D
Lims ID: 410-225004-C-1
Client ID: MW-2D
Sample Type: Client
Inject. Date: 10-Jun-2025 16:17:01 ALS Bottle#: 62 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-013
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 12:48:25 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: FQ4L Date: 11-Jun-2025 12:50:21

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	1 Dichlorodifluoromethane	85		1.008				ND	
	2 Chloromethane	50		1.124				ND	
	4 Vinyl chloride	62		1.179				ND	
	5 Bromomethane	94		1.362				ND	
	6 Chloroethane	64		1.375				ND	7
	9 Trichlorofluoromethane	101		1.561				ND	
	12 1,1-Dichloroethene	96		1.812				ND	
	13 Acetone	58		1.825				ND	U
	14 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.867				ND	
	17 Carbon disulfide	76		2.024				ND	7
	19 Methyl acetate	43		2.056				ND	7
	20 Methylene Chloride	84		2.172				ND	
*	21 t-Butyl alcohol-d10 (IS)	65	2.230	2.252	-0.022	51	700331	250.0	
	24 trans-1,2-Dichloroethene	96		2.368				ND	
	25 Methyl tert-butyl ether	73		2.387				ND	
	27 1,1-Dichloroethane	63		2.712				ND	7
	31 2-Butanone (MEK)	43		3.133				ND	7
	32 cis-1,2-Dichloroethene	96		3.166				ND	
	39 Chloroform	83	3.442	3.442	0.000	93	136840	11.9	
$	40 Dibromofluoromethane (Surr)	113	3.568	3.567	0.001	93	319505	48.2	
	41 1,1,1-Trichloroethane	97		3.571				ND	
	42 Cyclohexane	56		3.629				ND	
	44 Carbon tetrachloride	117		3.690				ND	
$	46 1,2-Dichloroethane-d4 (Surr)	102	3.825	3.825	0.000	47	72187	45.4	
	47 Benzene	78		3.844				ND	
	48 1,2-Dichloroethane	62		3.889				ND	7
*	50 Fluorobenzene (IS)	96	4.076	4.079	-0.003	99	1178742	50.0	
	53 Trichloroethene	95		4.384				ND	
	54 Methylcyclohexane	83		4.577				ND	
	55 1,2-Dichloropropane	63		4.590				ND	
	60 Dichlorobromomethane	83		4.825				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
63 cis-1,3-Dichloropropene	75		5.194				ND	
64 4-Methyl-2-pentanone (MIBK)	43		5.339				ND	7
$ 65 Toluene-d8 (Surr)	98	5.413	5.416	-0.003	94	1068677	50.8	
66 Toluene	92	5.468	5.471	-0.003	51	3868	0.2838	
67 trans-1,3-Dichloropropene	75		5.677				ND	
69 1,1,2-Trichloroethane	97		5.821				ND	
70 Tetrachloroethene	166		5.870				ND	
72 2-Hexanone	43		5.995				ND	7
73 Chlorodibromomethane	129		6.088				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.477	6.477	0.000	87	791223	50.0	
77 Chlorobenzene	112		6.497				ND	
80 Ethylbenzene	91		6.571				ND	7
81 m-Xylene & p-Xylene	106		6.657				ND	7
82 o-Xylene	106		6.892				ND	
83 Styrene	104		6.905				ND	7
84 Bromoform	173		7.008				ND	
85 Isopropylbenzene	105		7.117				ND	7
$ 86 4-Bromofluorobenzene (Surr)	95	7.214	7.214	0.000	82	432344	50.8	
88 1,1,2,2-Tetrachloroethane	83		7.304				ND	7
98 1,3-Dichlorobenzene	146		7.818				ND	7
* 100 1,4-Dichlorobenzene-d4	152	7.860	7.860	0.000	97	450536	50.0	
101 1,4-Dichlorobenzene	146		7.873				ND	7
107 1,2-Dichlorobenzene	146		8.062				ND	
111 1,2,4-Trichlorobenzene	180		8.882				ND	7
S 140 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

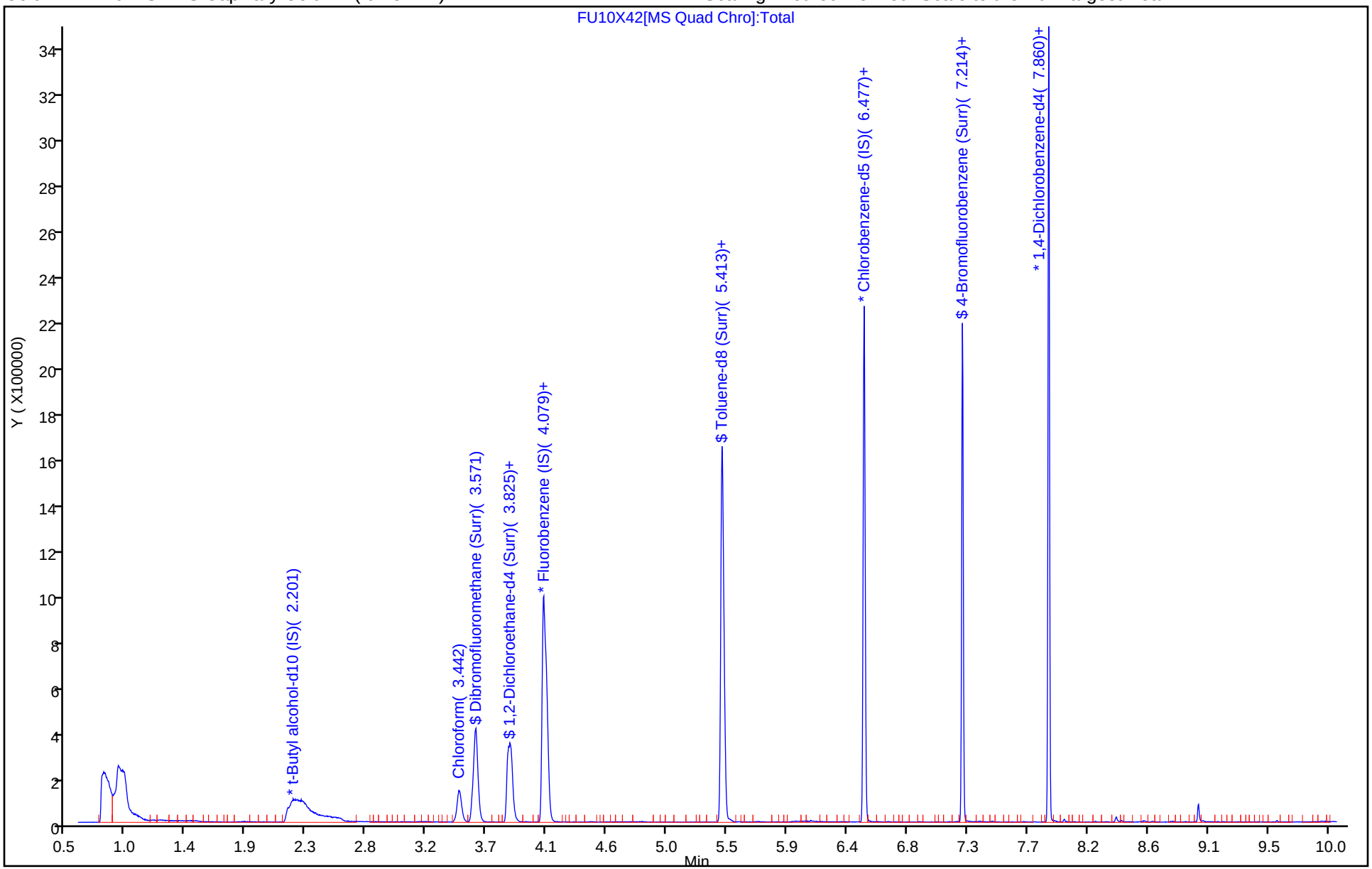
MSV_Cent_ISSS_00041 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2025 12:50:22 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X42.D				
Injection Date:	10-Jun-2025 16:17:01	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	410-225004-C-1	Lab Sample ID:	410-225004-1	Worklist Smp#:	13
Client ID:	MW-2D				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	62
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X42.D
Lims ID: 410-225004-C-1
Client ID: MW-2D
Sample Type: Client
Inject. Date: 10-Jun-2025 16:17:01 ALS Bottle#: 62 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-013
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 12:48:25 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: FQ4L Date: 11-Jun-2025 12:50:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 40 Dibromofluoromethane (Surr)	50.0	48.2	96.37
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	45.4	90.83
$ 65 Toluene-d8 (Surr)	50.0	50.8	101.66
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.8	101.66

Report Date: 11-Jun-2025 12:50:22 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X42.D

Injection Date: 10-Jun-2025 16:17:01 Instrument ID: 15830

Lims ID: 410-225004-C-1 Lab Sample ID: 410-225004-1

Client ID: MW-2D

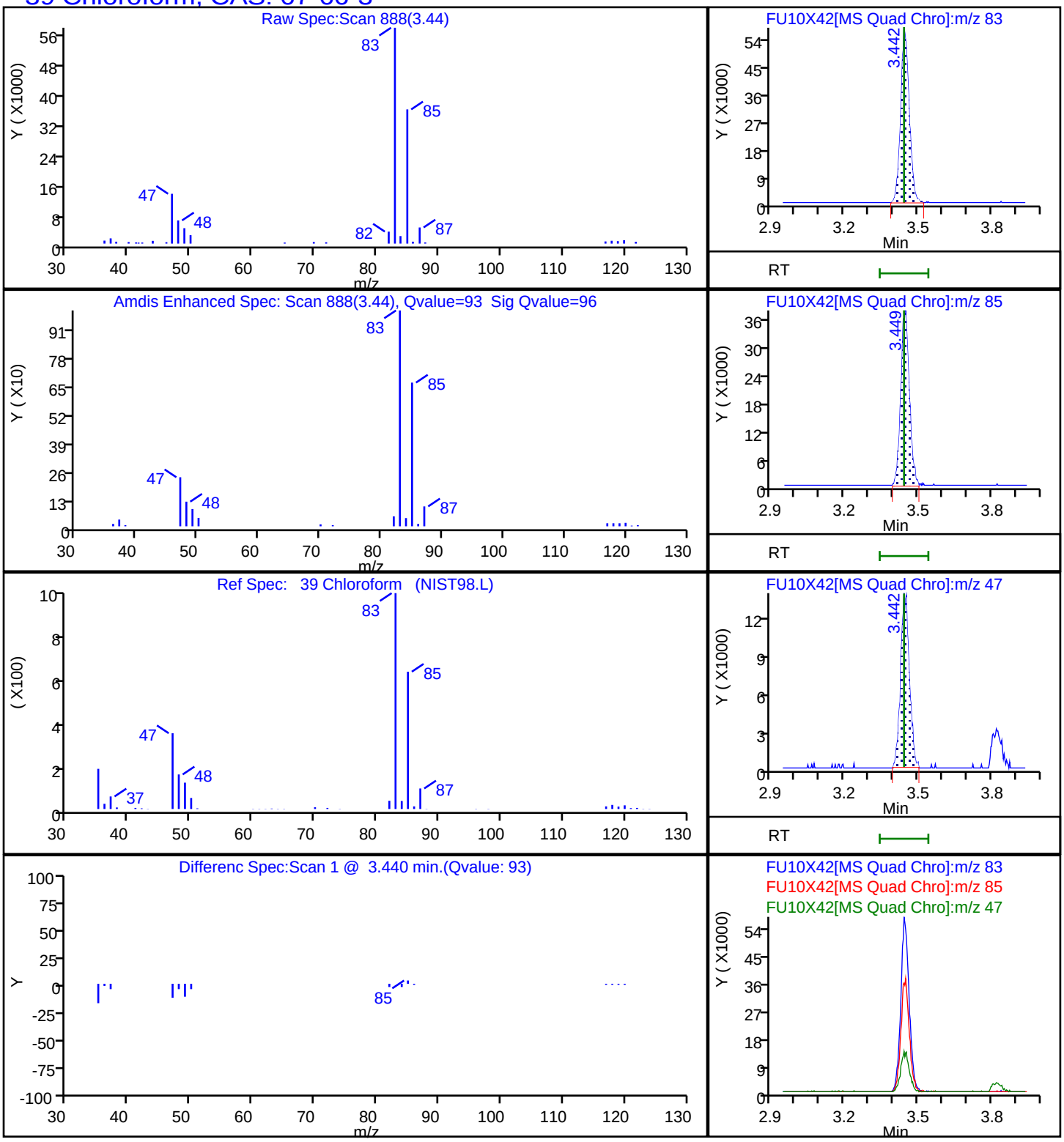
Operator ID: knk41612 ALS Bottle#: 62 Worklist Smp#: 13

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

39 Chloroform, CAS: 67-66-3



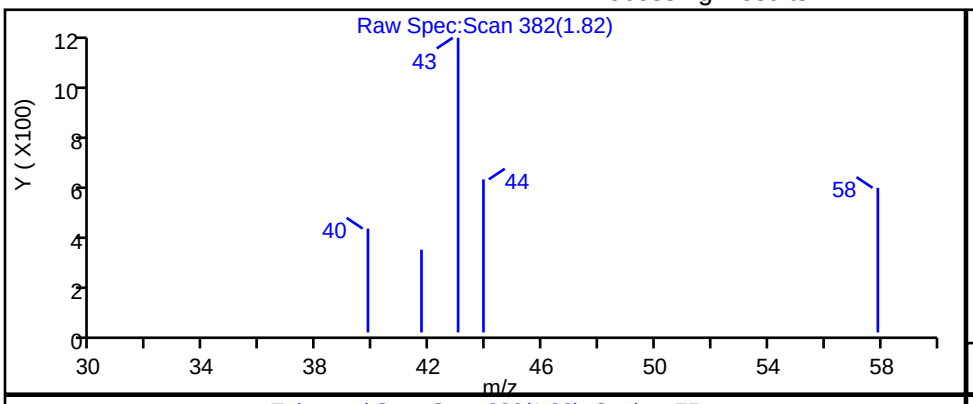
User Disabled Compound Report

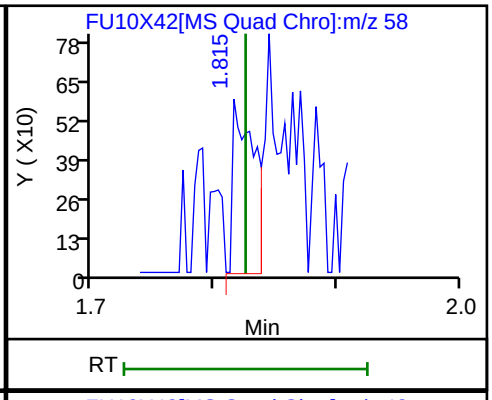
Eurofins Lancaster Laboratories Environment Testing, LLC

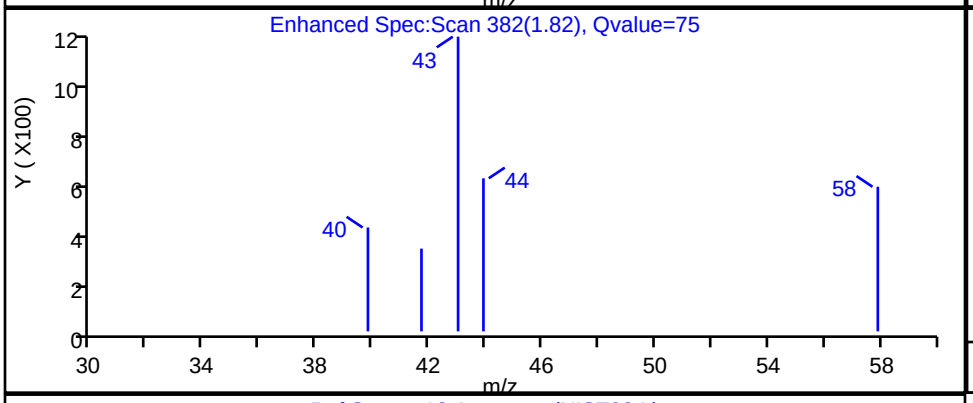
Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X42.D				
Injection Date:	10-Jun-2025 16:17:01	Instrument ID:	15830		
Lims ID:	410-225004-C-1	Lab Sample ID:	410-225004-1		
Client ID:	MW-2D				
Operator ID:	knk41612	ALS Bottle#:	62	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

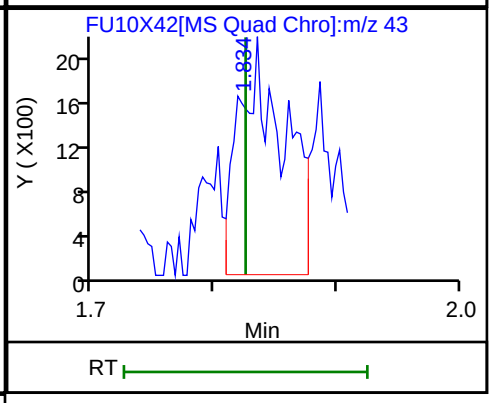
13 Acetone, CAS: 67-64-1

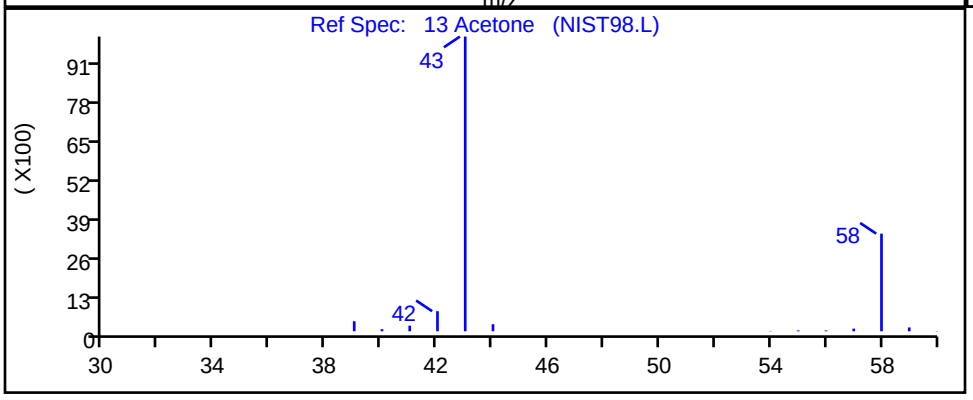
Processing Results











RT	Mass	Response	Amount
1.82	58.00	699	0.544670
1.83	43.00	5487	

Reviewer: FQ4L, 11-Jun-2025 12:48:04 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Matrix: Water
Lab File ID: FU10X46.D

Analysis Method: 8260D
Date Collected: 05/29/2025 11:05

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 17:34

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND	F1 *+	1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND	F1 *+	1.0	0.30
75-35-4	1,1-Dichloroethene	ND	F1	1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND	cn	10	0.50
67-64-1	Acetone	1.4	J	20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND	F1 cn	5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND	F1	1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	F1 cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	ND	F1	5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.30
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Matrix: Water
Lab File ID: FU10X46.D

Analysis Method: 8260D
Date Collected: 05/29/2025 11:05

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 17:34

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		5.0	0.30
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND	F1	1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.30
75-01-4	Vinyl chloride	ND	F1 *+	1.0	0.30
1330-20-7	Xylene (total)	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Matrix: Water
Lab File ID: FU10X46.D

Analysis Method: 8260D
Date Collected: 05/29/2025 11:05

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 17:34

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

Number TICs Found: 0
TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X46.D
Lims ID: 410-225004-C-2
Client ID: MW-3D
Sample Type: Client
Inject. Date: 10-Jun-2025 17:34:32 ALS Bottle#: 66 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-017
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 12:57:30 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: FQ4L Date: 11-Jun-2025 12:58:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.008				ND	
2 Chloromethane	50		1.124				ND	
4 Vinyl chloride	62		1.179				ND	
3 Butadiene	39		1.191				ND	U
5 Bromomethane	94		1.362				ND	
6 Chloroethane	64		1.375				ND	
7 Pentane	43		1.510				ND	7
8 Dichlorofluoromethane	67		1.548				ND	
9 Trichlorofluoromethane	101		1.561				ND	
11 Acrolein	56		1.732				ND	7
10 1,2-Dichloro-1,1,2-trifluoroetha	67		1.741				ND	
12 1,1-Dichloroethene	96		1.812				ND	
13 Acetone	58	1.857	1.825	0.032	71	1752	1.42	
14 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.867				ND	
15 Iodomethane	142		1.941				ND	
16 Isopropyl alcohol	45		1.941				ND	7
17 Carbon disulfide	76		2.024				ND	7
19 Methyl acetate	43		2.056				ND	7
18 3-Chloro-1-propene	41		2.059				ND	7
20 Methylene Chloride	84		2.172				ND	
* 21 t-Butyl alcohol-d10 (IS)	65	2.269	2.252	0.017	51	674757	250.0	
22 2-Methyl-2-propanol	59		2.323				ND	
23 Acrylonitrile	53		2.346				ND	
24 trans-1,2-Dichloroethene	96		2.368				ND	
25 Methyl tert-butyl ether	73		2.387				ND	
26 Hexane	57		2.590				ND	
27 1,1-Dichloroethane	63		2.712				ND	7
28 Isopropyl ether	45		2.760				ND	
29 2-Chloro-1,3-butadiene	53		2.767				ND	
30 Tert-butyl ethyl ether	59		3.053				ND	
31 2-Butanone (MEK)	43		3.133				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
32 cis-1,2-Dichloroethene	96		3.166				ND	
34 Propionitrile	54		3.182				ND	
33 2,2-Dichloropropane	77		3.191				ND	
35 Methacrylonitrile	67		3.304				ND	
37 Tetrahydrofuran	71		3.330				ND	
36 Chlorobromomethane	128		3.349				ND	
39 Chloroform	83		3.442				ND	
$ 40 Dibromofluoromethane (Surr)	113	3.571	3.567	0.004	92	349861	47.2	
41 1,1,1-Trichloroethane	97		3.571				ND	
42 Cyclohexane	56		3.629				ND	7
43 1,1-Dichloropropene	75		3.686				ND	
44 Carbon tetrachloride	117		3.690				ND	
45 Isobutyl alcohol	41		3.805				ND	7
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.828	3.825	0.003	49	82486	46.4	
47 Benzene	78		3.844				ND	
48 1,2-Dichloroethane	62		3.889				ND	
49 Tert-amyl methyl ether	73		3.976				ND	U
* 50 Fluorobenzene (IS)	96	4.079	4.079	0.000	99	1317819	50.0	
51 n-Heptane	43		4.095				ND	7
52 n-Butanol	56		4.352				ND	
53 Trichloroethene	95		4.384				ND	
54 Methylcyclohexane	83		4.577				ND	
55 1,2-Dichloropropane	63		4.590				ND	
56 2-ethoxy-2-methyl butane	87		4.625				ND	
57 1,4-Dioxane	88		4.654				ND	
59 Dibromomethane	93		4.661				ND	
58 Methyl methacrylate	69		4.667				ND	
60 Dichlorobromomethane	83		4.825				ND	
61 2-Nitropropane	41		5.011				ND	U
62 2-Chloroethyl vinyl ether	63		5.082				ND	
63 cis-1,3-Dichloropropene	75		5.194				ND	
64 4-Methyl-2-pentanone (MIBK)	43		5.339				ND	7
$ 65 Toluene-d8 (Surr)	98	5.416	5.416	0.000	93	1195236	50.8	
66 Toluene	92	5.468	5.471	-0.003	69	3445	0.2256	
67 trans-1,3-Dichloropropene	75		5.677				ND	
68 Ethyl methacrylate	69		5.741				ND	
69 1,1,2-Trichloroethane	97		5.821				ND	
70 Tetrachloroethene	166		5.870				ND	
71 1,3-Dichloropropane	76		5.937				ND	
72 2-Hexanone	43		5.995				ND	7
73 Chlorodibromomethane	129		6.088				ND	
S 74 1,2-Dichloroethene, Total	100		6.155				ND	7
75 Ethylene Dibromide	107		6.159				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.477	6.477	0.000	87	886273	50.0	
77 Chlorobenzene	112		6.497				ND	7
78 1-Chlorohexane	91		6.506				ND	U
79 1,1,1,2-Tetrachloroethane	131		6.564				ND	
80 Ethylbenzene	91		6.571				ND	7
81 m-Xylene & p-Xylene	106		6.657				ND	7
82 o-Xylene	106		6.892				ND	
83 Styrene	104		6.905				ND	
84 Bromoform	173		7.008				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
85 Isopropylbenzene	105		7.117				ND	7
$ 86 4-Bromofluorobenzene (Surr)	95	7.214	7.214	0.000	81	490590	51.5	
87 Bromobenzene	156		7.291				ND	
88 1,1,2,2-Tetrachloroethane	83		7.304				ND	
89 trans-1,4-Dichloro-2-butene	53		7.323				ND	
90 1,2,3-Trichloropropane	110		7.329				ND	
91 N-Propylbenzene	91		7.358				ND	
92 2-Chlorotoluene	126		7.403				ND	
93 1,3,5-Trimethylbenzene	105		7.464				ND	7
94 4-Chlorotoluene	126		7.474				ND	
95 tert-Butylbenzene	134		7.638				ND	
96 1,2,4-Trimethylbenzene	105		7.670				ND	7
97 sec-Butylbenzene	105		7.760				ND	7
98 1,3-Dichlorobenzene	146		7.818				ND	7
99 4-Isopropyltoluene	119		7.844				ND	7
* 100 1,4-Dichlorobenzene-d4	152	7.860	7.860	0.000	97	503367	50.0	
101 1,4-Dichlorobenzene	146		7.873				ND	7
102 1,2,3-Trimethylbenzene	105		7.889				ND	7
103 Benzyl chloride	91		7.937				ND	7
104 1,3-Diethylbenzene	119		7.995				ND	7
105 p-Diethylbenzene	119		8.046				ND	7
106 n-Butylbenzene	92		8.059				ND	
107 1,2-Dichlorobenzene	146		8.062				ND	
108 o-diethylbenzene	119		8.098				ND	7
109 1,2-Dibromo-3-Chloropropane	75		8.471				ND	
110 1,3,5-Trichlorobenzene	180		8.567				ND	
111 1,2,4-Trichlorobenzene	180		8.882				ND	7
112 Hexachlorobutadiene	225		8.956				ND	
113 Naphthalene	128		9.014				ND	7
114 1,2,3-Trichlorobenzene	180		9.124				ND	7
115 2-Methylnaphthalene	142		9.567				ND	7
T 134 Bromoethane TIC	108		10.000				ND	7
T 135 Isooctane TIC	57		10.000				ND	7
T 137 Ethylene oxide TIC	43		10.000				ND	7
T 128 Propane TIC	43		10.000				ND	7
T 131 tert-amyl alcohol TIC	59		10.000				ND	7
T 116 1-Chlorobutane TIC	56		10.000				ND	7
T 129 Diethoxymethane TIC	59		10.000				ND	7
T 132 Propionaldehyde TIC	58		10.000				ND	7
T 138 Vinyl acetate (TIC)	43		10.000				ND	7
123 Methyl Isocyanate TIC	73		10.000				ND	U
T 124 Hexachloroethane TIC	117		10.000				ND	7
T 136 2,3,4-Trichlorobutene TIC	109		10.000				ND	7
T 119 n-Butyl acrylate TIC	55		10.000				ND	7
T 126 2,3-Dichloro-1,3-butadiene TIC	51		10.000				ND	7
T 171 Methyl Isothiocyanate TIC	73	9.998	10.000	-0.002	1	146	0.005539	7
T 117 1-Bromo-2-chloroethane TIC	63		10.000				ND	7
T 118 Tetranitromethane TIC	46		10.000				ND	7
T 130 Ethyl Acetate TIC	43		10.000				ND	7
T 125 Propanol TIC	59		10.000				ND	7
T 133 Chloroacetaldehyde TIC	50		10.000				ND	7
T 122 Ethyl acrylate TIC	55		10.000				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
120 Chlorodifluoromethane	51		10.000				ND	U
T 127 Propene oxide TIC	58		10.000				ND	7
T 121 1,3-Dichlorobutene-2(total) TIC	89	7.857	10.000	-2.143	33	15667	0.5944	
S 139 1,3-Dichloropropene, Total	100		10.060				ND	7
S 140 Xylenes, Total	106		11.245				ND	7
S 141 Total Diethylbenzene	1		0.000				ND	7
163 2,2-Dimethylbutane TIC	1		0.000				ND	
164 Methylcyclopentane TIC	1		0.000				ND	
165 3-chloro-1-Butene TIC	1		0.000				ND	
166 1,1-Dichloro-1-fluoroethane TIC	1		0.000				ND	
167 Carbonyl sulfide TIC	1		0.000				ND	
168 Dimethylformamide TIC	1		0.000				ND	
169 Decamethylcyclopentasiloxane TIC	1		0.000				ND	
170 Dimethyl Sulfide TIC	1		0.000				ND	
172 2,2-Dimethylpropane TIC	1		0.000				ND	
173 bis(2-chloromethyl)ether TIC	1		0.000				ND	
174 2-Methylhexane TIC	1		0.000				ND	
175 3-Pentanone TIC	1		0.000				ND	
176 1-Methylnaphthalene (TIC)	1		0.000				ND	
177 3-Methylpentane TIC	1		0.000				ND	
178 Cyclopentane TIC	1		0.000				ND	
179 Styrene oxide TIC	1		0.000				ND	
180 2,3-Dimethylbutane TIC	1		0.000				ND	
162 2-ethoxy-2-methyl butane TIC	1		0.000				ND	
181 4-Hydroxy-4-methyl-2-pentanone T	1		0.000				ND	
161 Phosgene TIC	1		0.000				ND	
S 159 Total BTEX	1		0.000				ND	7
142 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000				ND	
143 Ethyl acrylate	55		0.000				ND	
144 3-Methyl-1-butene	1		0.000				ND	
145 Propanol	1		0.000				ND	
146 Isobutyl acetate	43		0.000				ND	
147 4-Ethyltoluene	1		0.000				ND	
148 sec-Butyl Alcohol	45		0.000				ND	
149 3-Methylhexane TIC	1		0.000				ND	
150 2-Butoxyethyl acetate	1		0.000				ND	
151 Methyl acrylate	1		0.000				ND	
152 Gasoline (Unleaded)	1		0.000				ND	
153 Dimethyl Sulfide	1		0.000				ND	
154 n-Butyl acrylate	1		0.000				ND	
155 1-Methylnaphthalene	142		0.000				ND	
$ 156 trans-1,2,3-Trichlorobutene-2 T	1		0.000				ND	
157 sec-Butyl Alcohol TIC	1		0.000				ND	
158 2-Ethylhexyl acrylate	1		0.000				ND	
160 1,1,1,2-Tetrafluoroethane TIC	1		0.000				ND	
T 182 Chlorodifluoromethane TIC	51	9.017	10.000	-0.983	1	121	0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

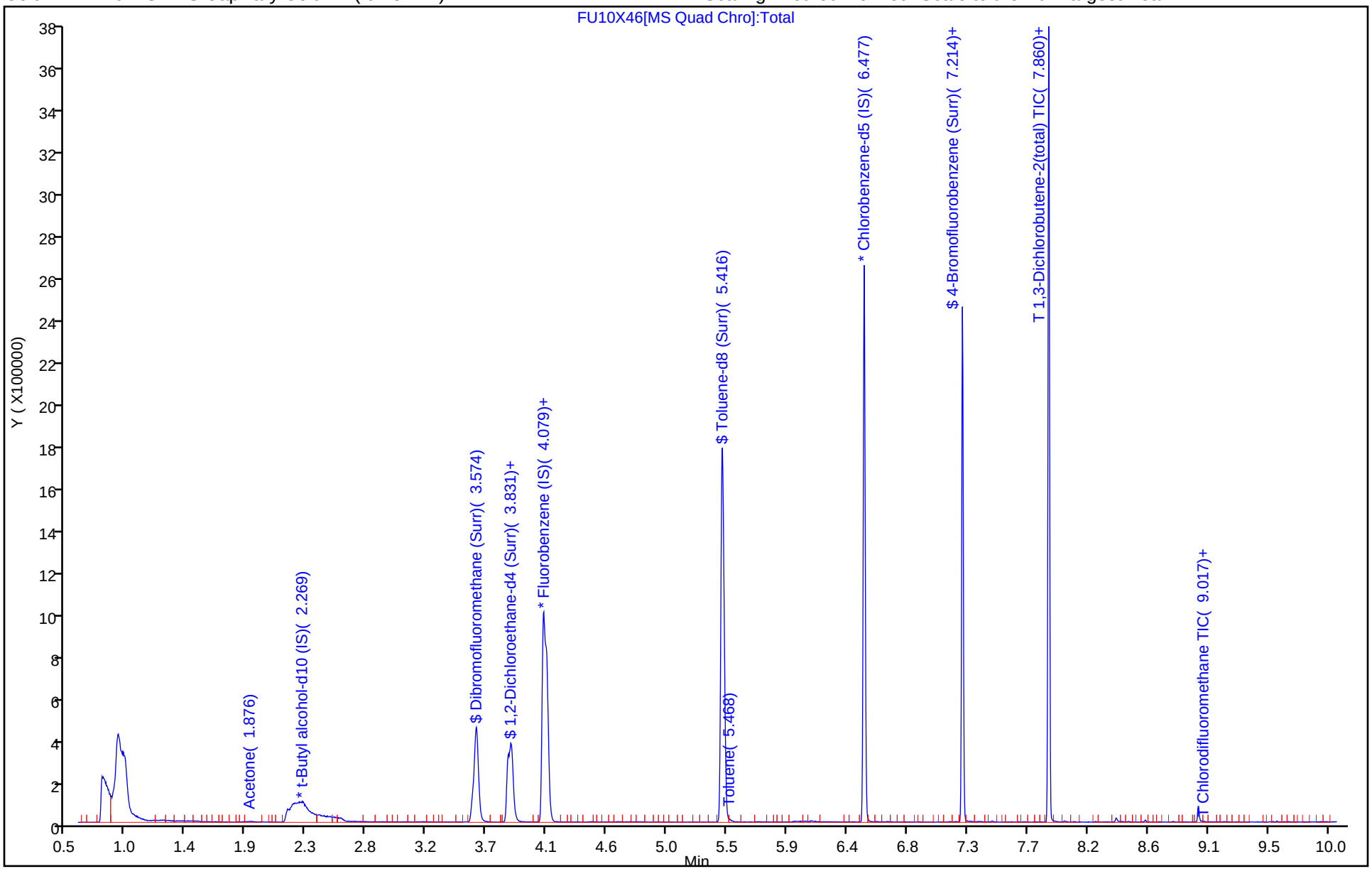
MSV_Cent_ISSS_00041 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2025 12:58:54 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X46.D				
Injection Date:	10-Jun-2025 17:34:32	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	410-225004-C-2	Lab Sample ID:	410-225004-2	Worklist Smp#:	17
Client ID:	MW-3D				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	66
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X46.D
Lims ID: 410-225004-C-2
Client ID: MW-3D
Sample Type: Client
Inject. Date: 10-Jun-2025 17:34:32 ALS Bottle#: 66 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-017
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 12:57:30 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

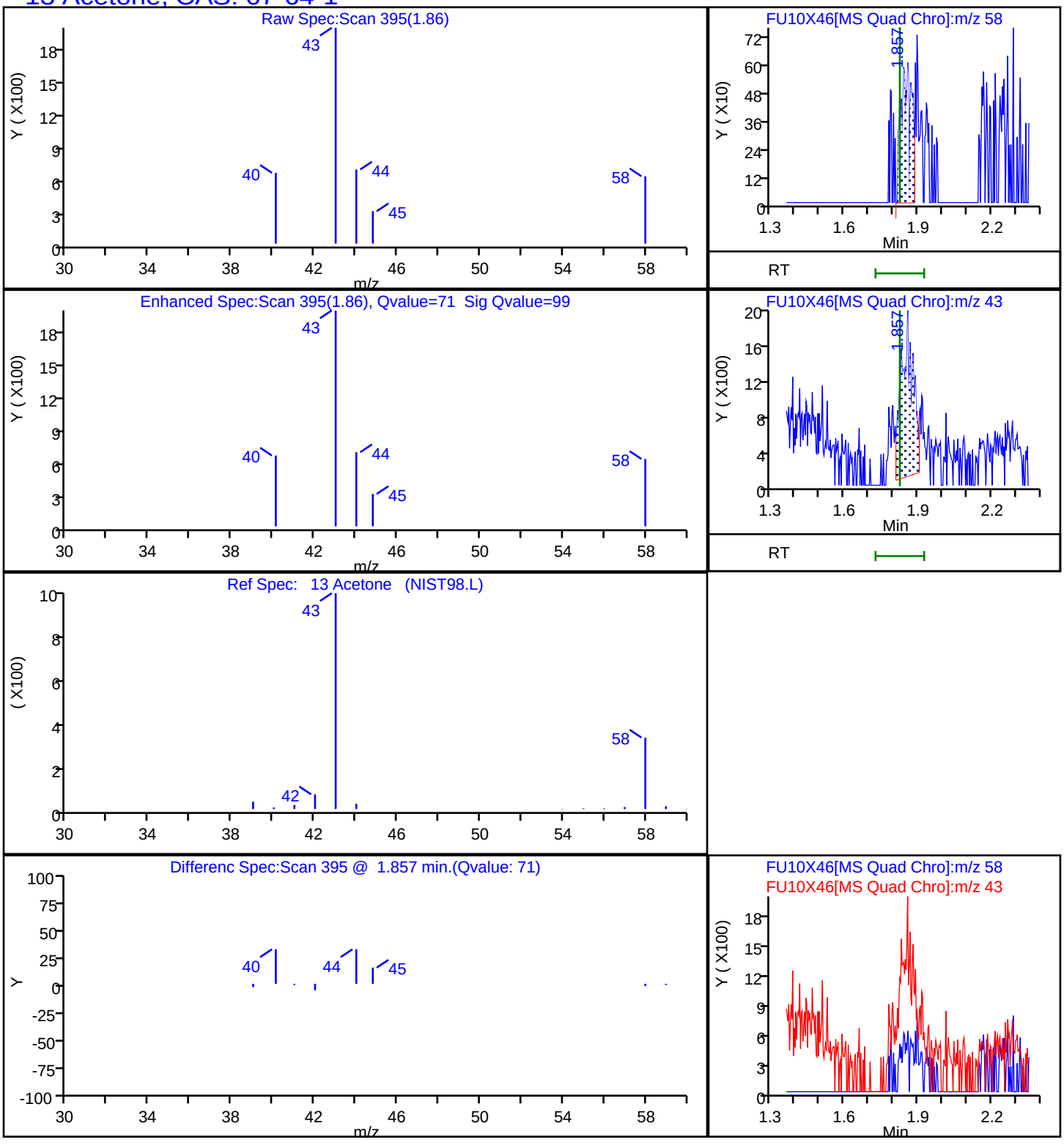
First Level Reviewer: FQ4L Date: 11-Jun-2025 12:58:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 40 Dibromofluoromethane (Surr)	50.0	47.2	94.39
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	46.4	92.84
$ 65 Toluene-d8 (Surr)	50.0	50.8	101.51
$ 86 4-Bromofluorobenzene (Surr)	50.0	51.5	102.98

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X46.D
Injection Date: 10-Jun-2025 17:34:32 Instrument ID: 15830
Lims ID: 410-225004-C-2 Lab Sample ID: 410-225004-2
Client ID: MW-3D
Operator ID: knk41612 ALS Bottle#: 66 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

13 Acetone, CAS: 67-64-1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D Lab Sample ID: 410-225004-3

Matrix: Water Lab File ID: FU10X43.D

Analysis Method: 8260D Date Collected: 05/29/2025 12:23

Sample wt/vol: 5(mL) Date Analyzed: 06/10/2025 16:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 655353 Units: ug/L

Preparation Batch No.: Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND	*+	1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND	cn	10	0.50
67-64-1	Acetone	7.5	J	20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND	cn	5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	0.80	J	1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	2.1	J	5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.30
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3

Matrix: Water
Lab File ID: FU10X43.D

Analysis Method: 8260D
Date Collected: 05/29/2025 12:23

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 16:36

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		5.0	0.30
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.30
75-01-4	Vinyl chloride	ND	*+	1.0	0.30
1330-20-7	Xylene (total)	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3

Matrix: Water
Lab File ID: FU10X43.D

Analysis Method: 8260D
Date Collected: 05/29/2025 12:23

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 16:36

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

Number TICs Found: 0
TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X43.D
Lims ID: 410-225004-C-3
Client ID: MW-6D
Sample Type: Client
Inject. Date: 10-Jun-2025 16:36:35 ALS Bottle#: 63 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-014
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 12:51:15 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: FQ4L Date: 11-Jun-2025 12:51:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.008				ND	
2 Chloromethane	50		1.124				ND	7
4 Vinyl chloride	62		1.179				ND	
5 Bromomethane	94		1.362				ND	
6 Chloroethane	64		1.375				ND	
9 Trichlorofluoromethane	101		1.561				ND	
12 1,1-Dichloroethene	96		1.812				ND	
13 Acetone	58	1.831	1.825	0.006	82	9769	7.50	M
14 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.867				ND	
17 Carbon disulfide	76		2.024				ND	7
19 Methyl acetate	43		2.056				ND	7
20 Methylene Chloride	84		2.172				ND	
* 21 t-Butyl alcohol-d10 (IS)	65	2.204	2.252	-0.048	51	710938	250.0	
24 trans-1,2-Dichloroethene	96		2.368				ND	
25 Methyl tert-butyl ether	73		2.387				ND	
27 1,1-Dichloroethane	63		2.712				ND	
31 2-Butanone (MEK)	43		3.133				ND	7
32 cis-1,2-Dichloroethene	96		3.166				ND	7
39 Chloroform	83		3.442				ND	
$ 40 Dibromofluoromethane (Surr)	113	3.564	3.567	-0.003	92	328520	47.1	
41 1,1,1-Trichloroethane	97		3.571				ND	
42 Cyclohexane	56	3.632	3.629	0.003	87	26651	2.13	
44 Carbon tetrachloride	117		3.690				ND	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.828	3.825	0.003	50	77018	46.0	
47 Benzene	78		3.844				ND	7
48 1,2-Dichloroethane	62		3.889				ND	7
* 50 Fluorobenzene (IS)	96	4.075	4.079	-0.004	99	1240524	50.0	
53 Trichloroethene	95		4.384				ND	
54 Methylcyclohexane	83		4.577				ND	7
55 1,2-Dichloropropane	63		4.590				ND	
60 Dichlorobromomethane	83		4.825				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
63 cis-1,3-Dichloropropene	75		5.194				ND	
64 4-Methyl-2-pentanone (MIBK)	43		5.339				ND	7
$ 65 Toluene-d8 (Surr)	98	5.413	5.416	-0.003	94	1120878	50.5	
66 Toluene	92	5.468	5.471	-0.003	98	3150	0.2189	
67 trans-1,3-Dichloropropene	75		5.677				ND	7
69 1,1,2-Trichloroethane	97		5.821				ND	
70 Tetrachloroethene	166		5.870				ND	
72 2-Hexanone	43		5.995				ND	7
73 Chlorodibromomethane	129		6.088				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.477	6.477	0.000	87	835465	50.0	
77 Chlorobenzene	112	6.493	6.497	-0.004	94	12420	0.8011	
80 Ethylbenzene	91		6.571				ND	7
81 m-Xylene & p-Xylene	106		6.657				ND	7
82 o-Xylene	106		6.892				ND	7
83 Styrene	104		6.905				ND	7
84 Bromoform	173		7.008				ND	
85 Isopropylbenzene	105		7.117				ND	7
$ 86 4-Bromofluorobenzene (Surr)	95	7.213	7.214	-0.001	83	454122	50.6	
88 1,1,2,2-Tetrachloroethane	83		7.304				ND	
98 1,3-Dichlorobenzene	146		7.818				ND	7
* 100 1,4-Dichlorobenzene-d4	152	7.860	7.860	0.000	97	478885	50.0	
101 1,4-Dichlorobenzene	146	7.873	7.873	0.000	91	3392	0.2729	
107 1,2-Dichlorobenzene	146		8.062				ND	7
111 1,2,4-Trichlorobenzene	180		8.882				ND	7
S 140 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

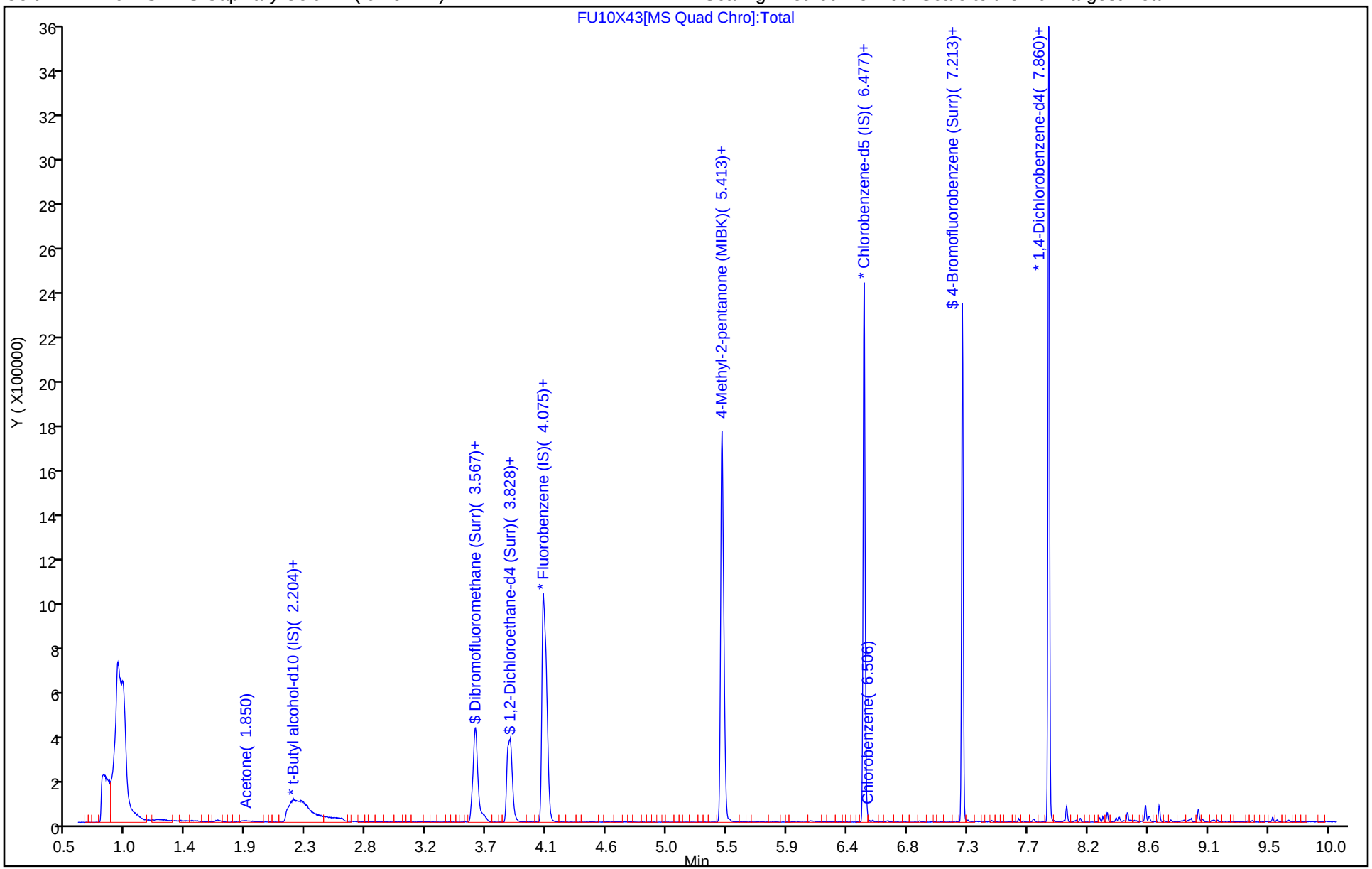
MSV_Cent_ISSS_00041 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2025 12:51:16 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X43.D				
Injection Date:	10-Jun-2025 16:36:35	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	410-225004-C-3	Lab Sample ID:	410-225004-3	Worklist Smp#:	14
Client ID:	MW-6D				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	63
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X43.D
Lims ID: 410-225004-C-3
Client ID: MW-6D
Sample Type: Client
Inject. Date: 10-Jun-2025 16:36:35 ALS Bottle#: 63 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-014
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 12:51:15 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

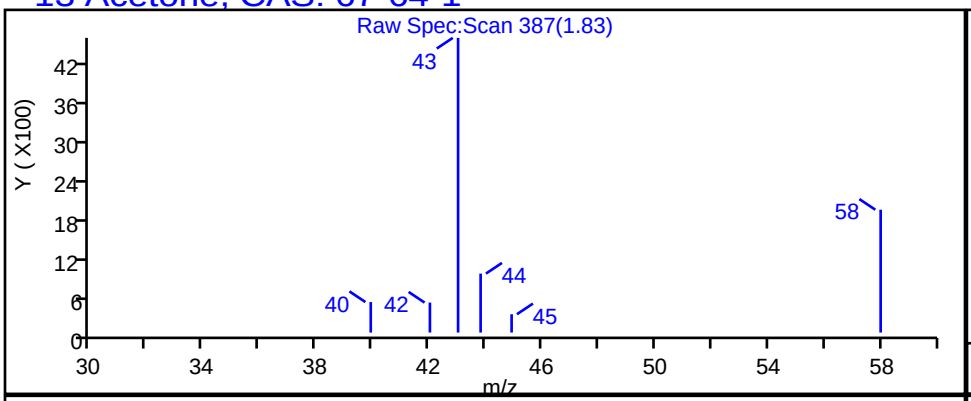
First Level Reviewer: FQ4L Date: 11-Jun-2025 12:51:15

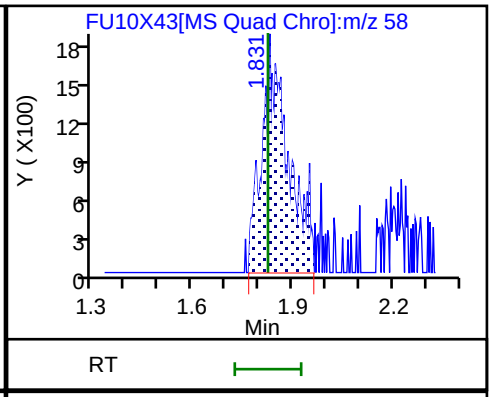
Compound	Amount Added	Amount Recovered	% Rec.
$ 40 Dibromofluoromethane (Surr)	50.0	47.1	94.16
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	46.0	92.09
$ 65 Toluene-d8 (Surr)	50.0	50.5	100.98
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.6	101.12

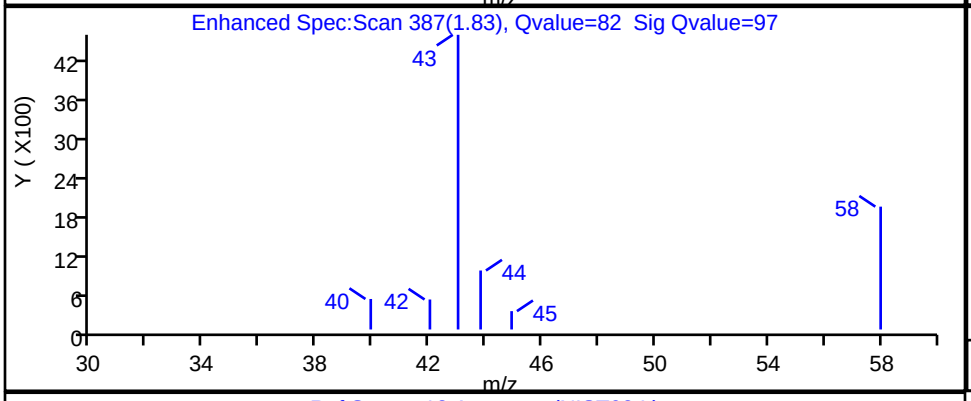
Eurofins Lancaster Laboratories Environment Testing, LLC

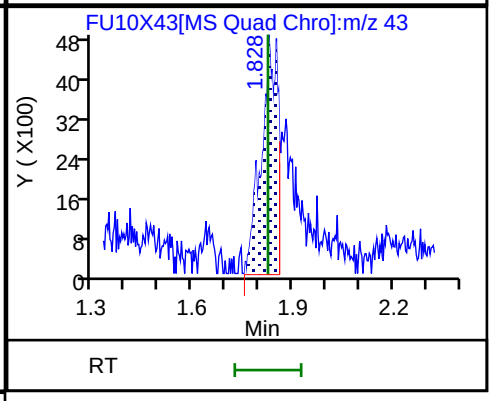
Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X43.D				
Injection Date:	10-Jun-2025 16:36:35	Instrument ID:	15830		
Lims ID:	410-225004-C-3	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	knk41612	ALS Bottle#:	63	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

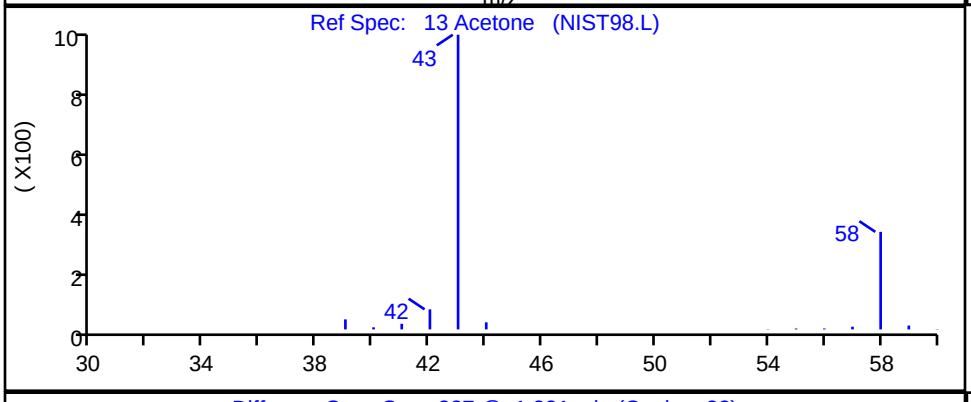
13 Acetone, CAS: 67-64-1

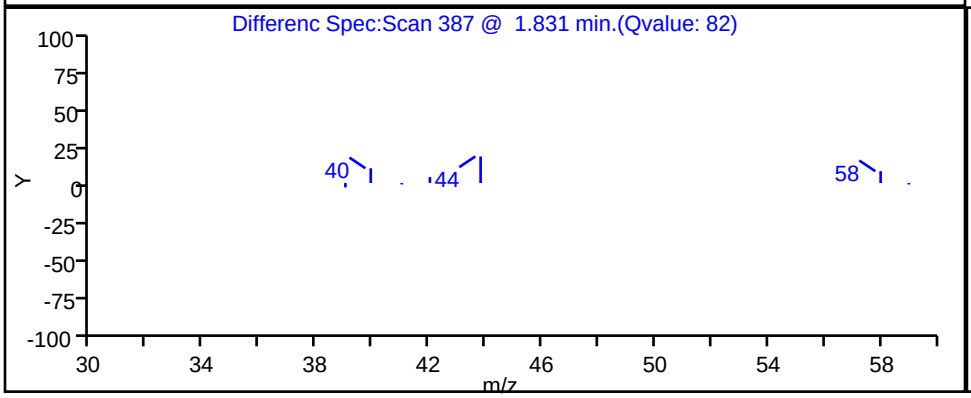


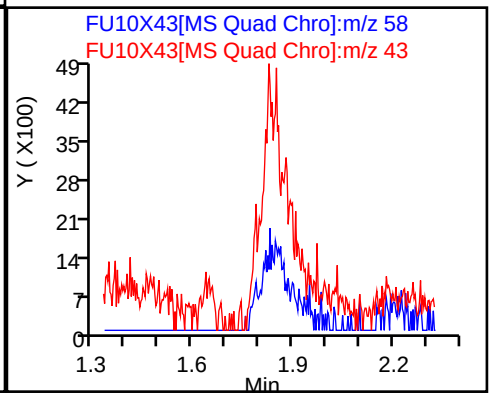












Report Date: 11-Jun-2025 12:51:16 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X43.D

Injection Date: 10-Jun-2025 16:36:35 Instrument ID: 15830

Lims ID: 410-225004-C-3 Lab Sample ID: 410-225004-3

Client ID: MW-6D

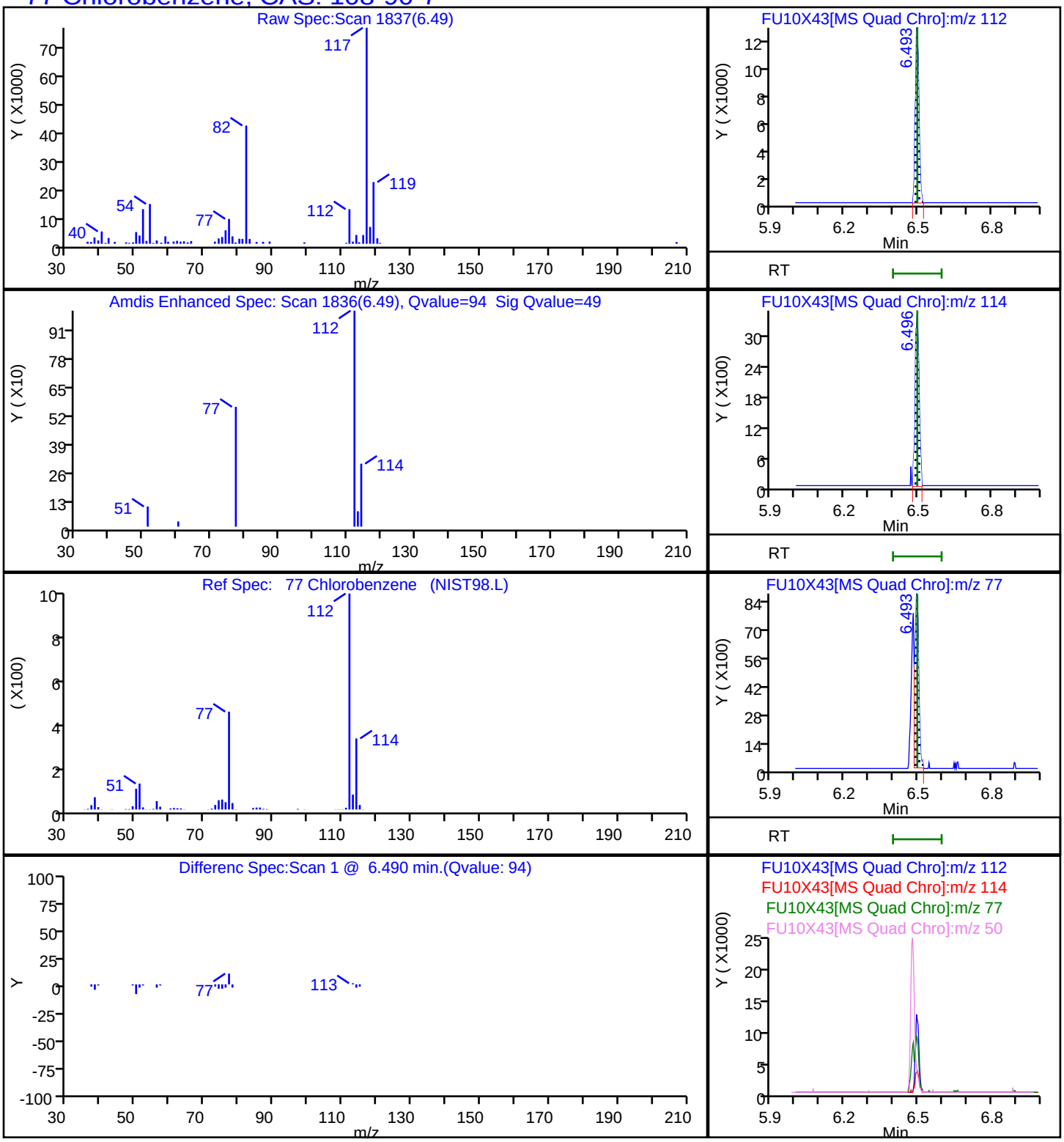
Operator ID: knk41612 ALS Bottle#: 63 Worklist Smp#: 14

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

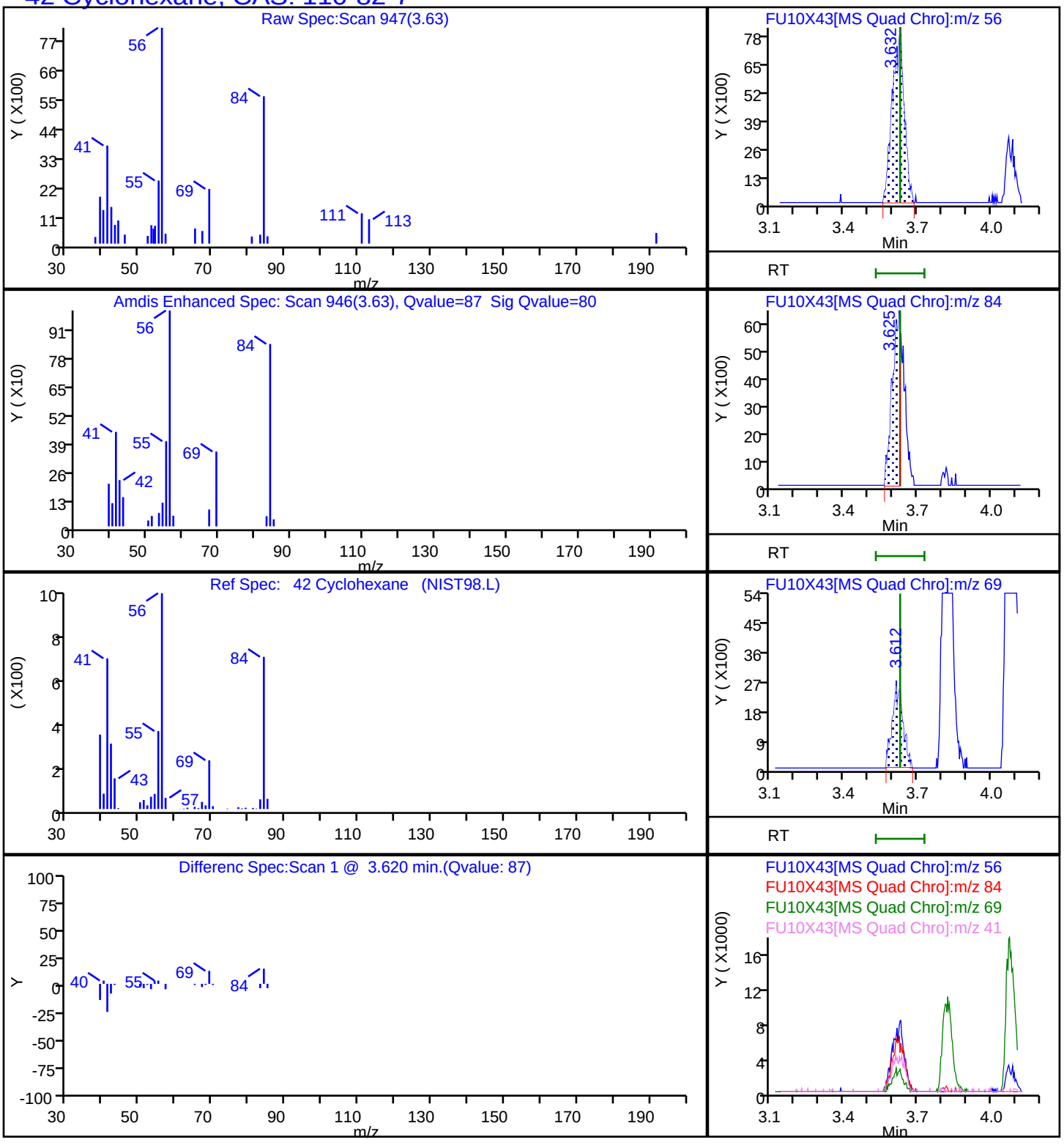
77 Chlorobenzene, CAS: 108-90-7



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X43.D				
Injection Date:	10-Jun-2025 16:36:35	Instrument ID:	15830		
Lims ID:	410-225004-C-3	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	knk41612	ALS Bottle#:	63	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

42 Cyclohexane, CAS: 110-82-7



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

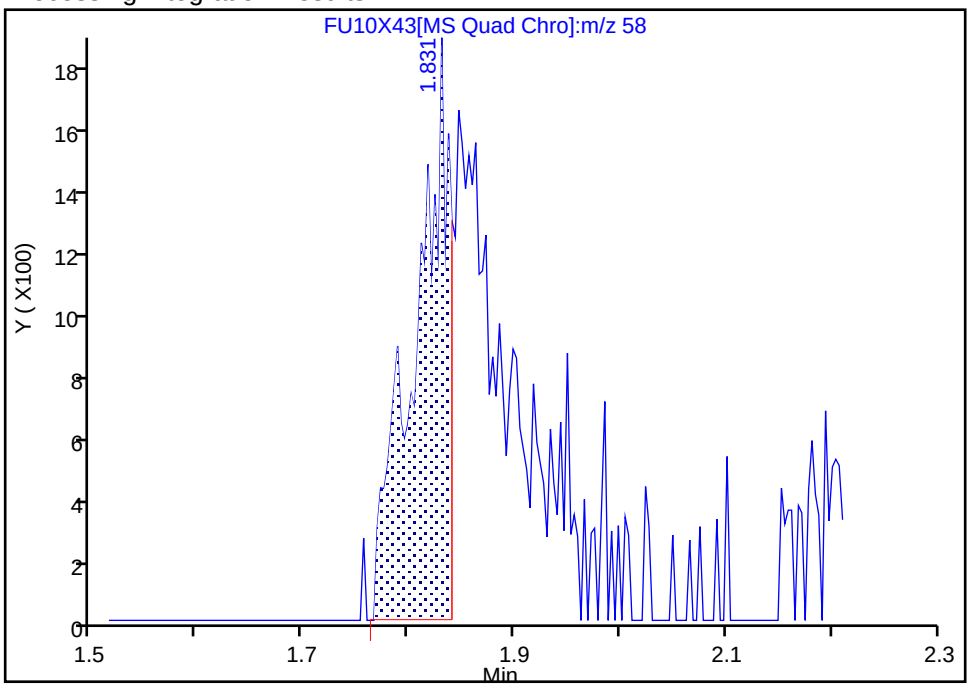
Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X43.D				
Injection Date:	10-Jun-2025 16:36:35	Instrument ID:	15830		
Lims ID:	410-225004-C-3	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	knk41612	ALS Bottle#:	63	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

13 Acetone, CAS: 67-64-1

Signal: 1

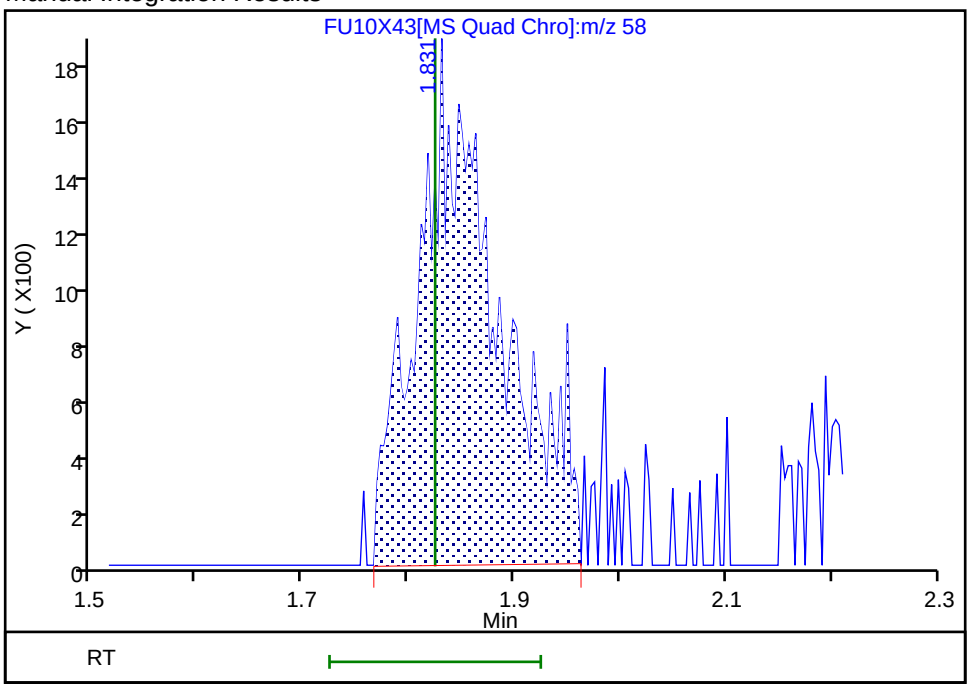
Processing Integration Results

RT: 1.83
Area: 4110
Amount: 3.154786
Amount Units: ug/l



Manual Integration Results

RT: 1.83
Area: 9769
Amount: 7.498565
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2025 12:50:44 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Matrix: Water
Lab File ID: FU10X44.D

Analysis Method: 8260D
Date Collected: 05/29/2025 08:02

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 16:55

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND	*+	1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND	cn	10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND	cn	5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	ND		5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.30
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Matrix: Water
Lab File ID: FU10X44.D

Analysis Method: 8260D
Date Collected: 05/29/2025 08:02

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 16:55

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		5.0	0.30
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.30
75-01-4	Vinyl chloride	ND	*+	1.0	0.30
1330-20-7	Xylene (total)	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		80-120
460-00-4	4-Bromofluorobenzene (Surr)	104		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Matrix: Water
Lab File ID: FU10X44.D

Analysis Method: 8260D
Date Collected: 05/29/2025 08:02

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 16:55

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

Number TICs Found: 0
TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X44.D
Lims ID: 410-225004-C-4
Client ID: MW-7D
Sample Type: Client
Inject. Date: 10-Jun-2025 16:55:57 ALS Bottle#: 64 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-015
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 12:52:15 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: FQ4L Date: 11-Jun-2025 12:52:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.008				ND	
2 Chloromethane	50		1.124				ND	7
4 Vinyl chloride	62		1.179				ND	7
5 Bromomethane	94		1.362				ND	
6 Chloroethane	64		1.375				ND	7
9 Trichlorofluoromethane	101		1.561				ND	
12 1,1-Dichloroethene	96		1.812				ND	
13 Acetone	58		1.825				ND	U
14 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.867				ND	
17 Carbon disulfide	76		2.024				ND	7
19 Methyl acetate	43		2.056				ND	7
20 Methylene Chloride	84		2.172				ND	
* 21 t-Butyl alcohol-d10 (IS)	65	2.217	2.252	-0.035	51	749177	250.0	
24 trans-1,2-Dichloroethene	96		2.368				ND	
25 Methyl tert-butyl ether	73		2.387				ND	
27 1,1-Dichloroethane	63		2.712				ND	
31 2-Butanone (MEK)	43		3.133				ND	7
32 cis-1,2-Dichloroethene	96		3.166				ND	7
39 Chloroform	83		3.442				ND	
$ 40 Dibromofluoromethane (Surr)	113	3.568	3.567	0.001	92	333154	48.4	
41 1,1,1-Trichloroethane	97		3.571				ND	
42 Cyclohexane	56		3.629				ND	7
44 Carbon tetrachloride	117		3.690				ND	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.812	3.825	-0.013	48	76555	46.4	
47 Benzene	78		3.844				ND	7
48 1,2-Dichloroethane	62		3.889				ND	7
* 50 Fluorobenzene (IS)	96	4.076	4.079	-0.003	99	1224509	50.0	
53 Trichloroethene	95		4.384				ND	
54 Methylcyclohexane	83		4.577				ND	
55 1,2-Dichloropropane	63		4.590				ND	
60 Dichlorobromomethane	83		4.825				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
63 cis-1,3-Dichloropropene	75		5.194				ND	
64 4-Methyl-2-pentanone (MIBK)	43		5.339				ND	7
$ 65 Toluene-d8 (Surr)	98	5.413	5.416	-0.003	93	1124464	50.9	
66 Toluene	92		5.471				ND	7
67 trans-1,3-Dichloropropene	75		5.677				ND	
69 1,1,2-Trichloroethane	97		5.821				ND	
70 Tetrachloroethene	166		5.870				ND	
72 2-Hexanone	43		5.995				ND	7
73 Chlorodibromomethane	129		6.088				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.477	6.477	0.000	87	830978	50.0	
77 Chlorobenzene	112		6.497				ND	7
80 Ethylbenzene	91		6.571				ND	7
81 m-Xylene & p-Xylene	106		6.657				ND	7
82 o-Xylene	106		6.892				ND	7
83 Styrene	104		6.905				ND	7
84 Bromoform	173		7.008				ND	
85 Isopropylbenzene	105		7.117				ND	7
$ 86 4-Bromofluorobenzene (Surr)	95	7.214	7.214	0.000	83	463890	51.9	
88 1,1,2,2-Tetrachloroethane	83		7.304				ND	
98 1,3-Dichlorobenzene	146		7.818				ND	7
* 100 1,4-Dichlorobenzene-d4	152	7.860	7.860	0.000	97	485657	50.0	
101 1,4-Dichlorobenzene	146		7.873				ND	7
107 1,2-Dichlorobenzene	146		8.062				ND	
111 1,2,4-Trichlorobenzene	180		8.882				ND	
S 140 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

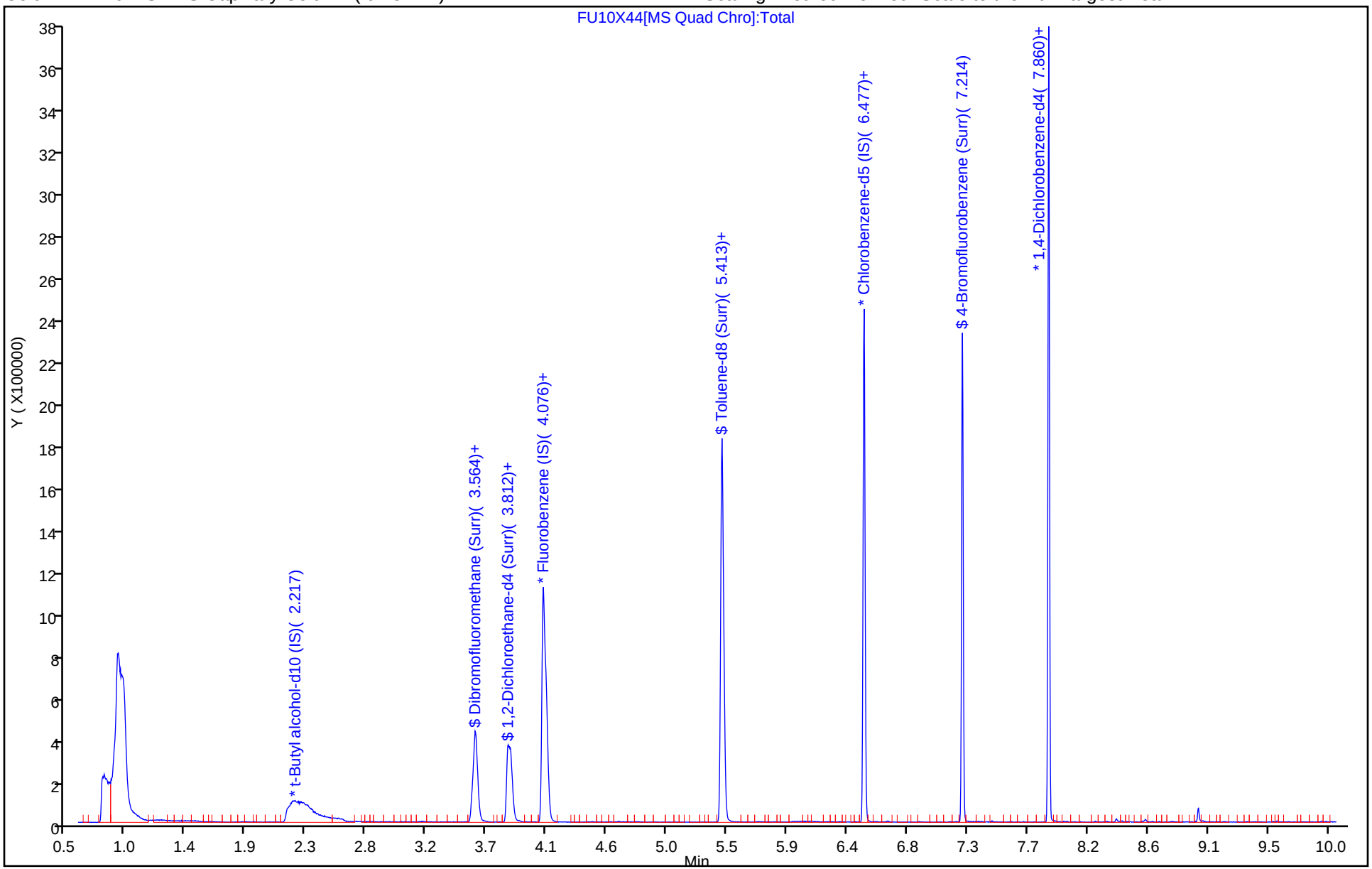
MSV_Cent_ISSS_00041 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2025 12:53:54 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X44.D				
Injection Date:	10-Jun-2025 16:55:57	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	410-225004-C-4	Lab Sample ID:	410-225004-4	Worklist Smp#:	15
Client ID:	MW-7D				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	64
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X44.D
Lims ID: 410-225004-C-4
Client ID: MW-7D
Sample Type: Client
Inject. Date: 10-Jun-2025 16:55:57 ALS Bottle#: 64 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-015
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 12:52:15 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: FQ4L Date: 11-Jun-2025 12:52:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 40 Dibromofluoromethane (Surr)	50.0	48.4	96.73
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	46.4	92.73
$ 65 Toluene-d8 (Surr)	50.0	50.9	101.85
$ 86 4-Bromofluorobenzene (Surr)	50.0	51.9	103.86

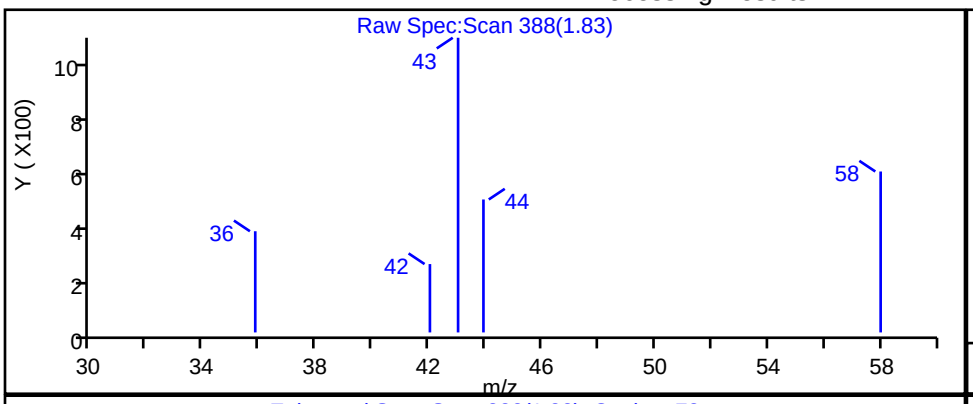
User Disabled Compound Report

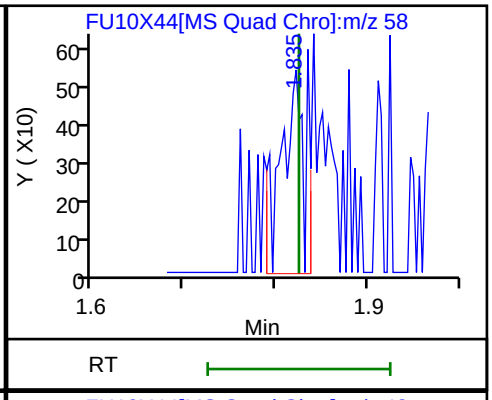
Eurofins Lancaster Laboratories Environment Testing, LLC

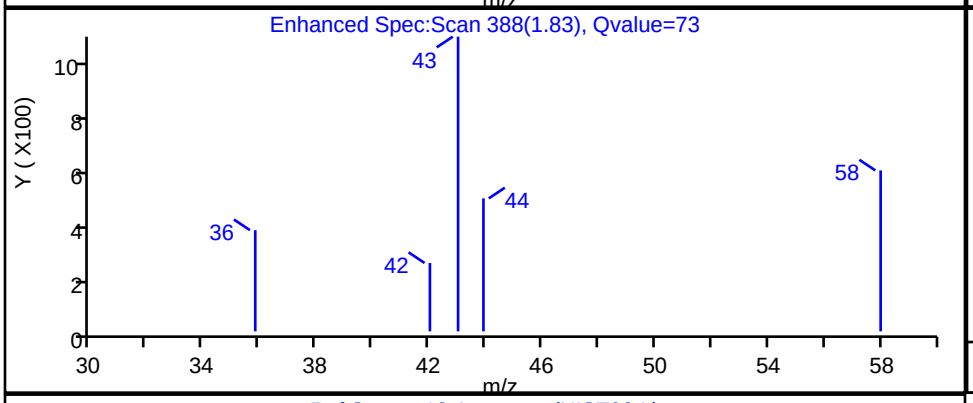
Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X44.D				
Injection Date:	10-Jun-2025 16:55:57	Instrument ID:	15830		
Lims ID:	410-225004-C-4	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:	knk41612	ALS Bottle#:	64	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

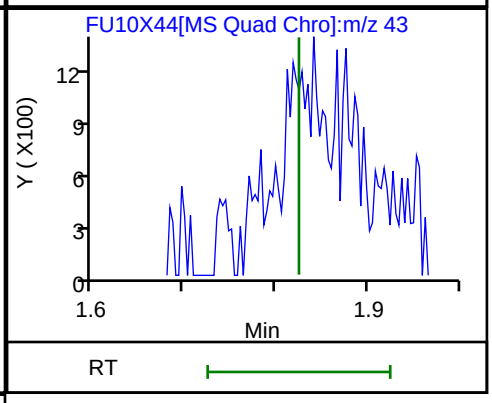
13 Acetone, CAS: 67-64-1

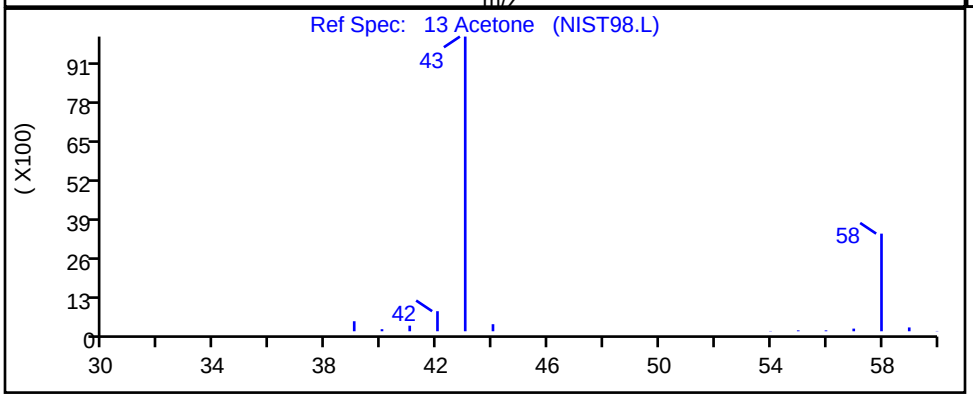
Processing Results











RT	Mass	Response	Amount
1.83	58.00	1004	0.731323
1.82	43.00	0	

Reviewer: FQ4L, 11-Jun-2025 12:51:41 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5

Matrix: Water
Lab File ID: FU10X45.D

Analysis Method: 8260D
Date Collected: 05/29/2025 12:25

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 17:15

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND	*+	1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND	cn	10	0.50
67-64-1	Acetone	7.4	J	20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND	cn	5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	0.80	J	1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	2.1	J	5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.30
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5

Matrix: Water
Lab File ID: FU10X45.D

Analysis Method: 8260D
Date Collected: 05/29/2025 12:25

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 17:15

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		5.0	0.30
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.30
75-01-4	Vinyl chloride	ND	*+	1.0	0.30
1330-20-7	Xylene (total)	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5

Matrix: Water
Lab File ID: FU10X45.D

Analysis Method: 8260D
Date Collected: 05/29/2025 12:25

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 17:15

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

Number TICs Found: 0
TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X45.D
Lims ID: 410-225004-C-5
Client ID: MW-8
Sample Type: Client
Inject. Date: 10-Jun-2025 17:15:20 ALS Bottle#: 65 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-016
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 12:55:56 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: FQ4L Date: 11-Jun-2025 12:55:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.008				ND	
2 Chloromethane	50		1.124				ND	
4 Vinyl chloride	62		1.179				ND	
5 Bromomethane	94		1.362				ND	
6 Chloroethane	64		1.375				ND	
9 Trichlorofluoromethane	101		1.561				ND	
12 1,1-Dichloroethene	96		1.812				ND	
13 Acetone	58	1.841	1.825	0.016	82	10126	7.45	M
14 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.867				ND	
17 Carbon disulfide	76		2.024				ND	7
19 Methyl acetate	43		2.056				ND	7
20 Methylene Chloride	84		2.172				ND	
* 21 t-Butyl alcohol-d10 (IS)	65	2.227	2.252	-0.025	18	742120	250.0	
24 trans-1,2-Dichloroethene	96		2.368				ND	
25 Methyl tert-butyl ether	73		2.387				ND	
27 1,1-Dichloroethane	63		2.712				ND	
31 2-Butanone (MEK)	43		3.133				ND	7
32 cis-1,2-Dichloroethene	96		3.166				ND	
39 Chloroform	83		3.442				ND	
$ 40 Dibromofluoromethane (Surr)	113	3.564	3.567	-0.003	93	337392	48.1	
41 1,1,1-Trichloroethane	97		3.571				ND	
42 Cyclohexane	56	3.632	3.629	0.003	85	25740	2.05	
44 Carbon tetrachloride	117		3.690				ND	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.818	3.825	-0.007	48	79501	47.3	
47 Benzene	78		3.844				ND	7
48 1,2-Dichloroethane	62		3.889				ND	7
* 50 Fluorobenzene (IS)	96	4.076	4.079	-0.003	99	1246720	50.0	
53 Trichloroethene	95		4.384				ND	
54 Methylcyclohexane	83		4.577				ND	7
55 1,2-Dichloropropane	63		4.590				ND	
60 Dichlorobromomethane	83		4.825				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
63 cis-1,3-Dichloropropene	75		5.194				ND	
64 4-Methyl-2-pentanone (MIBK)	43		5.339				ND	7
$ 65 Toluene-d8 (Surr)	98	5.413	5.416	-0.003	94	1137412	50.3	
66 Toluene	92	5.468	5.471	-0.003	94	2453	0.1672	
67 trans-1,3-Dichloropropene	75		5.677				ND	
69 1,1,2-Trichloroethane	97		5.821				ND	
70 Tetrachloroethene	166		5.870				ND	
72 2-Hexanone	43		5.995				ND	7
73 Chlorodibromomethane	129		6.088				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.477	6.477	0.000	87	851619	50.0	
77 Chlorobenzene	112	6.493	6.497	-0.004	95	12673	0.8019	
80 Ethylbenzene	91		6.571				ND	7
81 m-Xylene & p-Xylene	106		6.657				ND	7
82 o-Xylene	106		6.892				ND	7
83 Styrene	104		6.905				ND	
84 Bromoform	173		7.008				ND	
85 Isopropylbenzene	105		7.117				ND	7
$ 86 4-Bromofluorobenzene (Surr)	95	7.214	7.214	0.000	82	468302	51.2	
88 1,1,2,2-Tetrachloroethane	83		7.304				ND	7
98 1,3-Dichlorobenzene	146		7.818				ND	7
* 100 1,4-Dichlorobenzene-d4	152	7.860	7.860	0.000	97	487429	50.0	
101 1,4-Dichlorobenzene	146	7.873	7.873	0.000	87	3684	0.2912	
107 1,2-Dichlorobenzene	146		8.062				ND	7
111 1,2,4-Trichlorobenzene	180		8.882				ND	
S 140 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

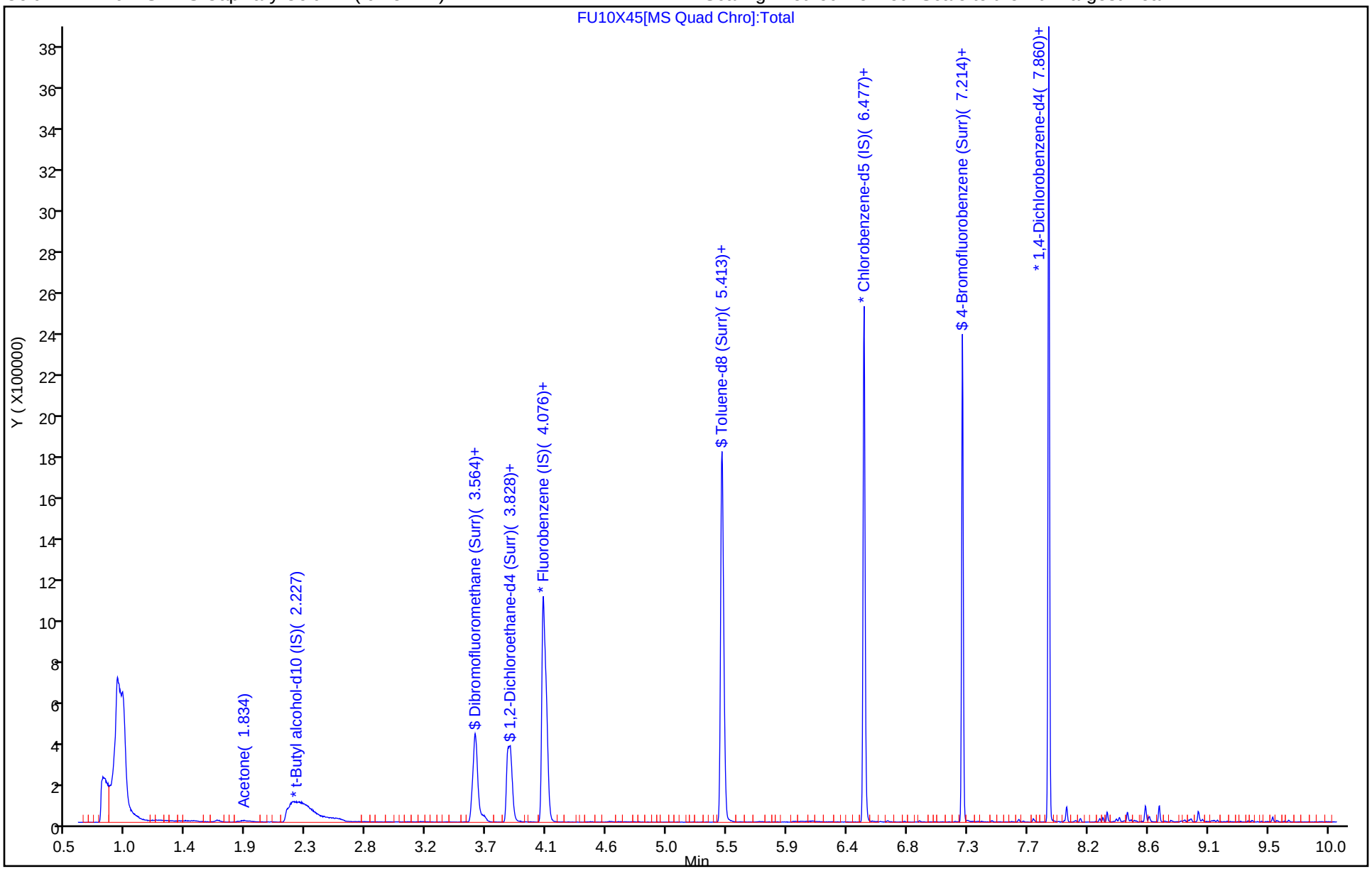
MSV_Cent_ISSS_00041 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 11-Jun-2025 12:55:57 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X45.D				
Injection Date:	10-Jun-2025 17:15:20	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	410-225004-C-5	Lab Sample ID:	410-225004-5	Worklist Smp#:	16
Client ID:	MW-8				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	65
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X45.D
Lims ID: 410-225004-C-5
Client ID: MW-8
Sample Type: Client
Inject. Date: 10-Jun-2025 17:15:20 ALS Bottle#: 65 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-016
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 12:55:56 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

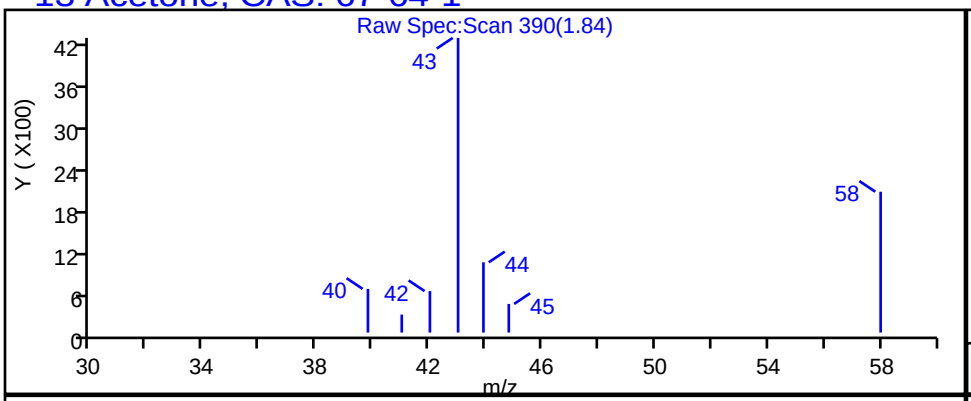
First Level Reviewer: FQ4L Date: 11-Jun-2025 12:55:56

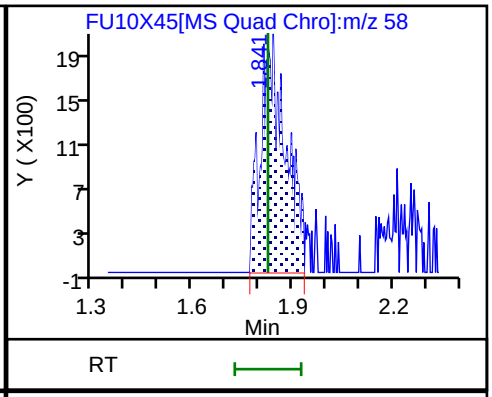
Compound	Amount Added	Amount Recovered	% Rec.
$ 40 Dibromofluoromethane (Surr)	50.0	48.1	96.22
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	47.3	94.58
$ 65 Toluene-d8 (Surr)	50.0	50.3	100.53
$ 86 4-Bromofluorobenzene (Surr)	50.0	51.2	102.30

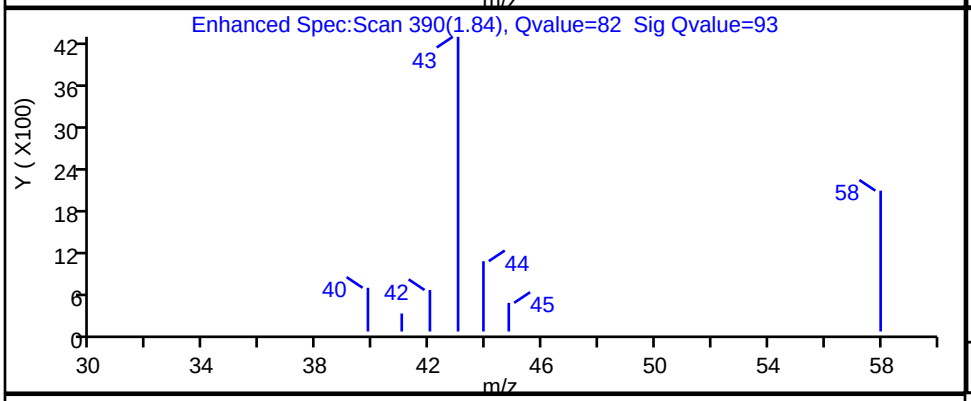
Eurofins Lancaster Laboratories Environment Testing, LLC

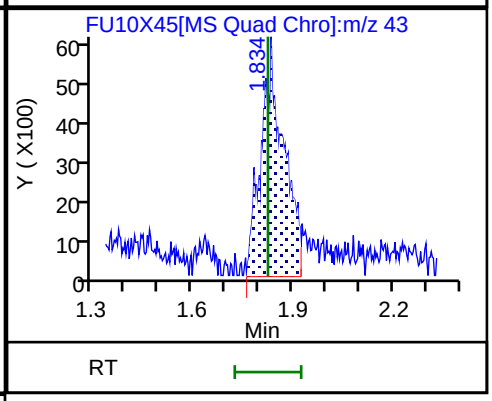
Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X45.D				
Injection Date:	10-Jun-2025 17:15:20	Instrument ID:	15830		
Lims ID:	410-225004-C-5	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	knk41612	ALS Bottle#:	65	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

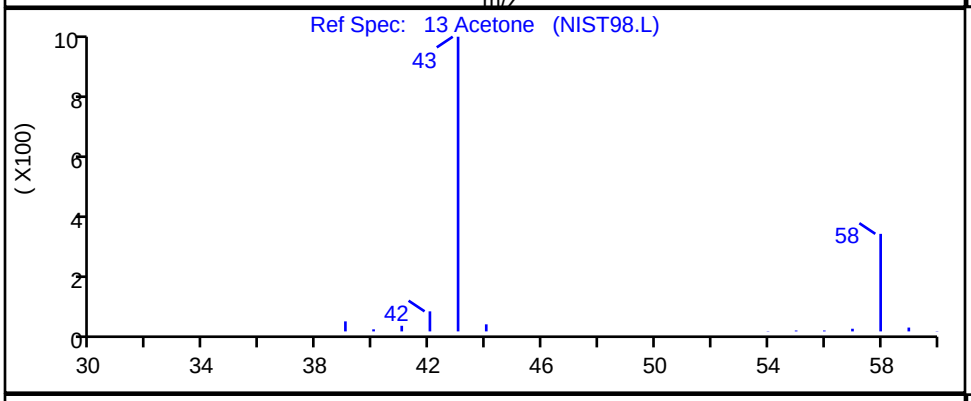
13 Acetone, CAS: 67-64-1

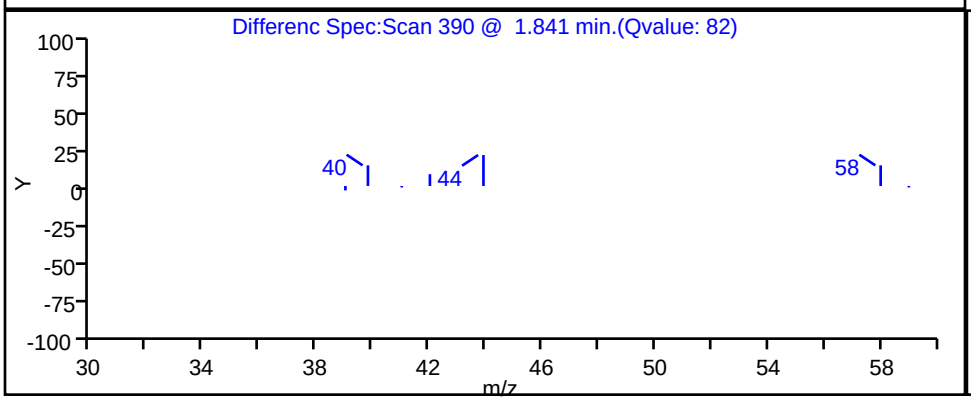


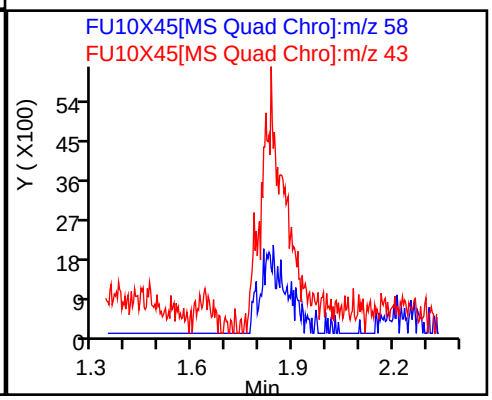












Report Date: 11-Jun-2025 12:55:57 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X45.D

Injection Date: 10-Jun-2025 17:15:20 Instrument ID: 15830

Lims ID: 410-225004-C-5 Lab Sample ID: 410-225004-5

Client ID: MW-8

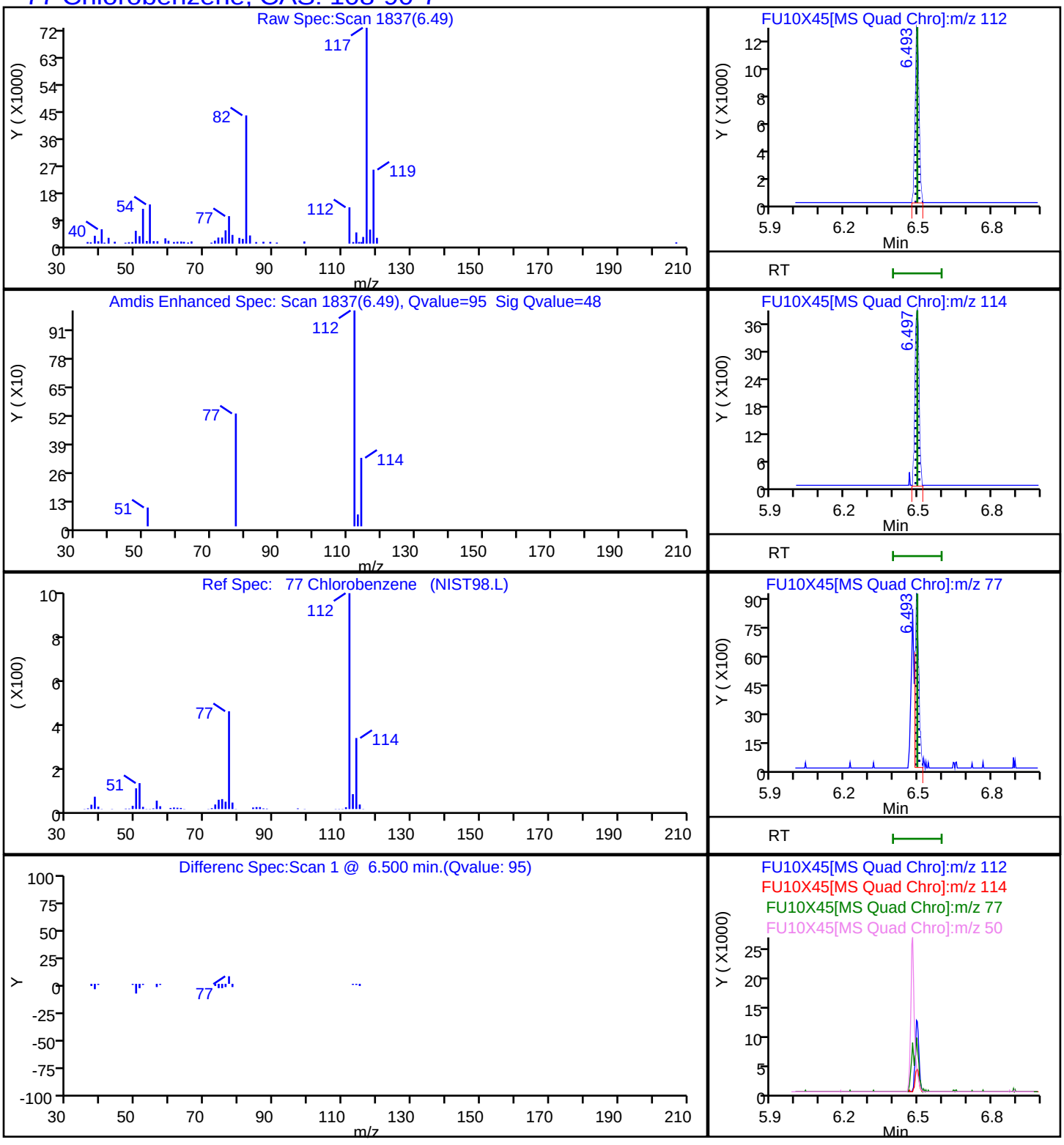
Operator ID: knk41612 ALS Bottle#: 65 Worklist Smp#: 16

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

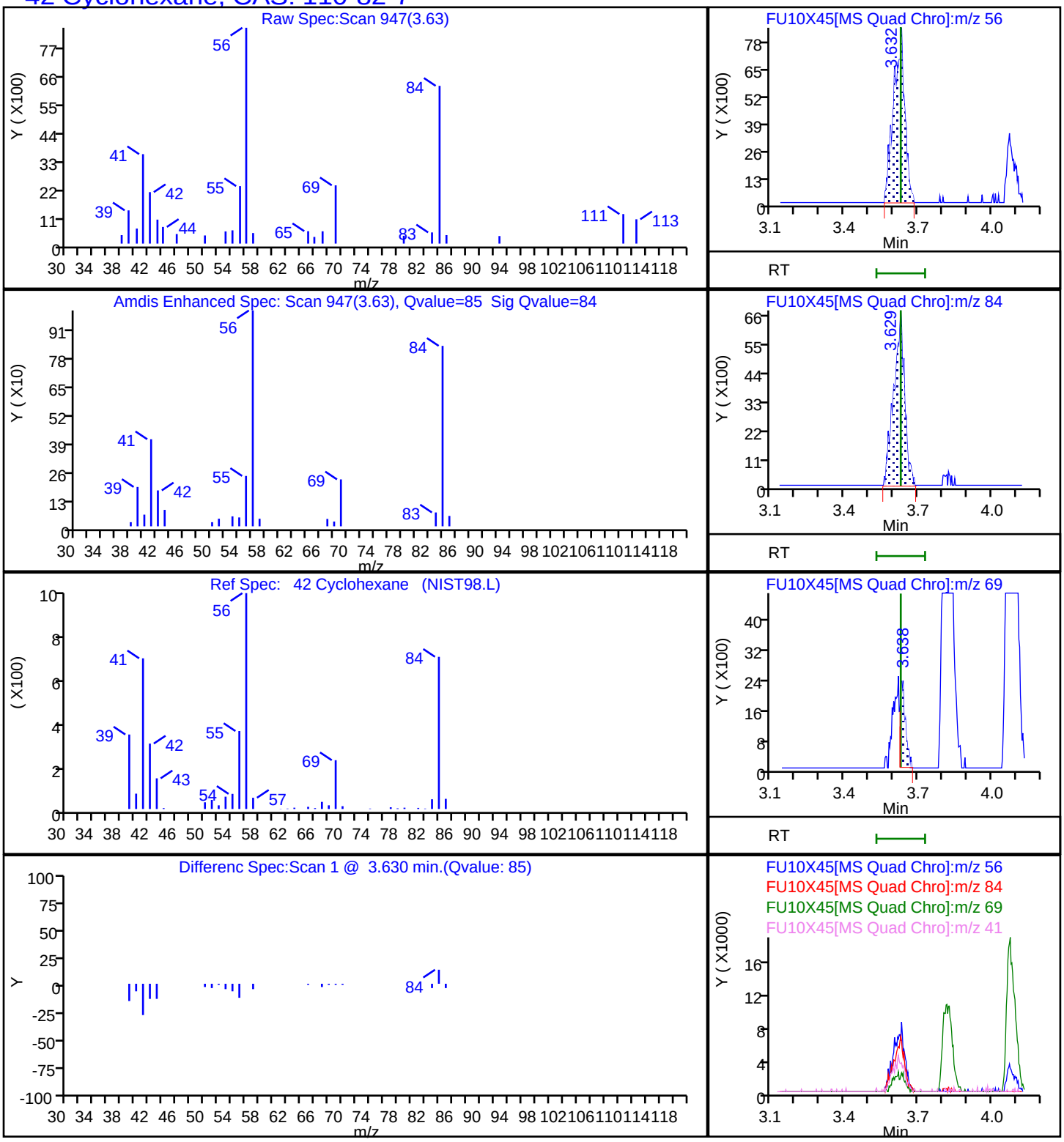
77 Chlorobenzene, CAS: 108-90-7



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X45.D				
Injection Date:	10-Jun-2025 17:15:20	Instrument ID:	15830		
Lims ID:	410-225004-C-5	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	knk41612	ALS Bottle#:	65	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

42 Cyclohexane, CAS: 110-82-7



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

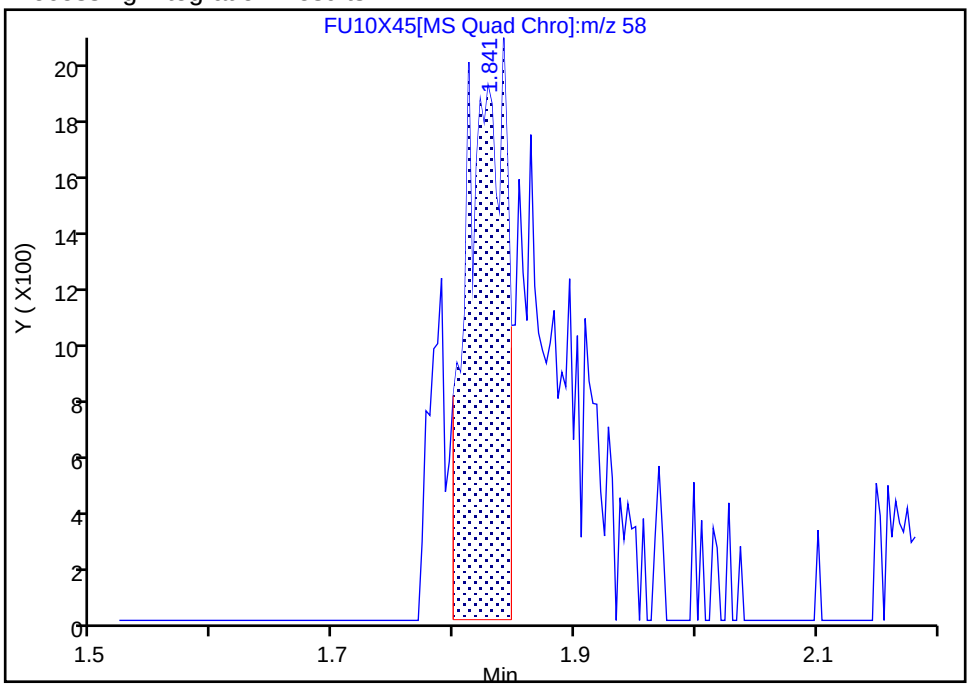
Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X45.D				
Injection Date:	10-Jun-2025 17:15:20	Instrument ID:	15830		
Lims ID:	410-225004-C-5	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	knk41612	ALS Bottle#:	65	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

13 Acetone, CAS: 67-64-1

Signal: 1

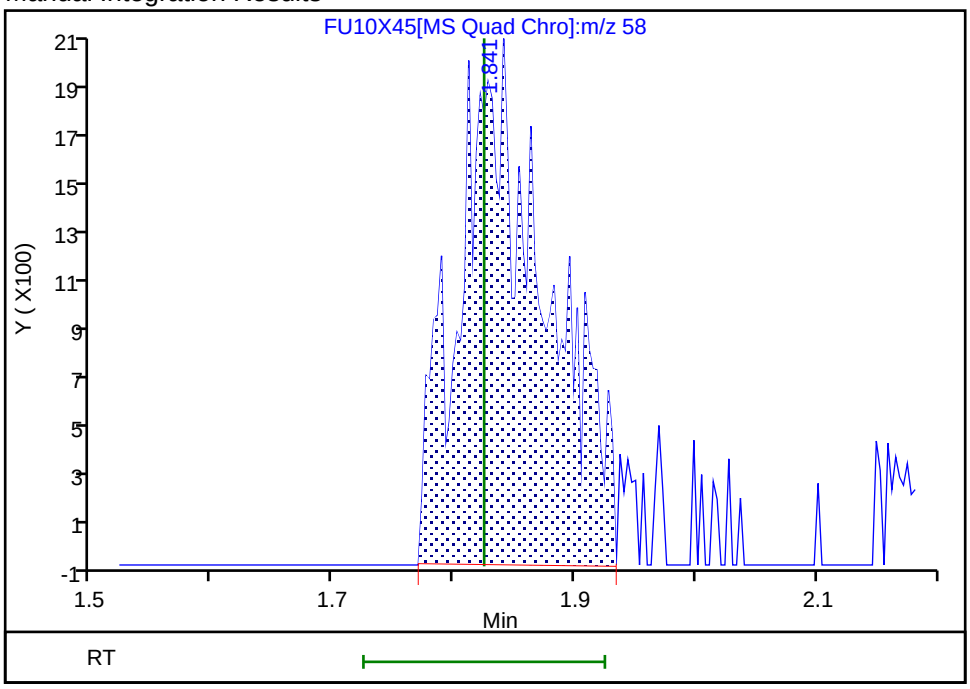
Processing Integration Results

RT: 1.84
Area: 4454
Amount: 3.275185
Amount Units: ug/l



Manual Integration Results

RT: 1.84
Area: 10126
Amount: 7.446009
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2025 12:55:26 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: EB
Lab Sample ID: 410-225004-6

Matrix: Water
Lab File ID: FU10X40.D

Analysis Method: 8260D
Date Collected: 05/29/2025 09:35

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 15:38

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND	*+	1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND	*+	1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND	cn	10	0.50
67-64-1	Acetone	5.1	J	20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND	cn	5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND	cn	2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	ND		5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.30
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: EB
Lab Sample ID: 410-225004-6

Matrix: Water
Lab File ID: FU10X40.D

Analysis Method: 8260D
Date Collected: 05/29/2025 09:35

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 15:38

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		5.0	0.30
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.30
75-01-4	Vinyl chloride	ND	*+	1.0	0.30
1330-20-7	Xylene (total)	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: EB
Lab Sample ID: 410-225004-6

Matrix: Water
Lab File ID: FU10X40.D

Analysis Method: 8260D
Date Collected: 05/29/2025 09:35

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 15:38

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

Number TICs Found: 0
TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X40.D
Lims ID: 410-225004-C-6
Client ID: EB
Sample Type: Client
Inject. Date: 10-Jun-2025 15:38:26 ALS Bottle#: 60 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-011
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 12:46:43 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: FQ4L Date: 11-Jun-2025 12:46:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.008				ND	
2 Chloromethane	50		1.124				ND	
4 Vinyl chloride	62		1.179				ND	
5 Bromomethane	94		1.362				ND	
6 Chloroethane	64		1.375				ND	
9 Trichlorofluoromethane	101		1.561				ND	
12 1,1-Dichloroethene	96		1.812				ND	
13 Acetone	58	1.882	1.825	0.057	69	6737	5.08	M
14 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.867				ND	
17 Carbon disulfide	76		2.024				ND	7
19 Methyl acetate	43		2.056				ND	7
20 Methylene Chloride	84		2.172				ND	
* 21 t-Butyl alcohol-d10 (IS)	65	2.223	2.252	-0.029	20	723122	250.0	
24 trans-1,2-Dichloroethene	96		2.368				ND	
25 Methyl tert-butyl ether	73		2.387				ND	
27 1,1-Dichloroethane	63		2.712				ND	
31 2-Butanone (MEK)	43		3.133				ND	7
32 cis-1,2-Dichloroethene	96		3.166				ND	
39 Chloroform	83		3.442				ND	
$ 40 Dibromofluoromethane (Surr)	113	3.571	3.567	0.004	92	321970	48.0	
41 1,1,1-Trichloroethane	97		3.571				ND	
42 Cyclohexane	56		3.629				ND	
44 Carbon tetrachloride	117		3.690				ND	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.821	3.825	-0.004	48	73276	45.6	
47 Benzene	78		3.844				ND	
48 1,2-Dichloroethane	62		3.889				ND	
* 50 Fluorobenzene (IS)	96	4.082	4.079	0.003	99	1191313	50.0	
53 Trichloroethene	95		4.384				ND	
54 Methylcyclohexane	83		4.577				ND	
55 1,2-Dichloropropane	63		4.590				ND	
60 Dichlorobromomethane	83		4.825				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
63 cis-1,3-Dichloropropene	75		5.194				ND	
64 4-Methyl-2-pentanone (MIBK)	43		5.339				ND	7
$ 65 Toluene-d8 (Surr)	98	5.416	5.416	0.000	94	1087090	50.9	
66 Toluene	92		5.471				ND	7
67 trans-1,3-Dichloropropene	75		5.677				ND	
69 1,1,2-Trichloroethane	97		5.821				ND	
70 Tetrachloroethene	166		5.870				ND	
72 2-Hexanone	43		5.995				ND	7
73 Chlorodibromomethane	129		6.088				ND	
* 76 Chlorobenzene-d5 (IS)	117	6.477	6.477	0.000	87	803725	50.0	
77 Chlorobenzene	112		6.497				ND	7
80 Ethylbenzene	91		6.571				ND	7
81 m-Xylene & p-Xylene	106		6.657				ND	7
82 o-Xylene	106		6.892				ND	
83 Styrene	104		6.905				ND	
84 Bromoform	173		7.008				ND	
85 Isopropylbenzene	105		7.117				ND	7
$ 86 4-Bromofluorobenzene (Surr)	95	7.213	7.214	-0.001	83	435507	50.4	
88 1,1,2,2-Tetrachloroethane	83		7.304				ND	
98 1,3-Dichlorobenzene	146		7.818				ND	7
* 100 1,4-Dichlorobenzene-d4	152	7.860	7.860	0.000	97	462510	50.0	
101 1,4-Dichlorobenzene	146		7.873				ND	7
107 1,2-Dichlorobenzene	146		8.062				ND	7
111 1,2,4-Trichlorobenzene	180		8.882				ND	7
S 140 Xylenes, Total	106		11.245				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_Cent_ISSS_00041 Amount Added: 5.00 Units: uL Run Reagent

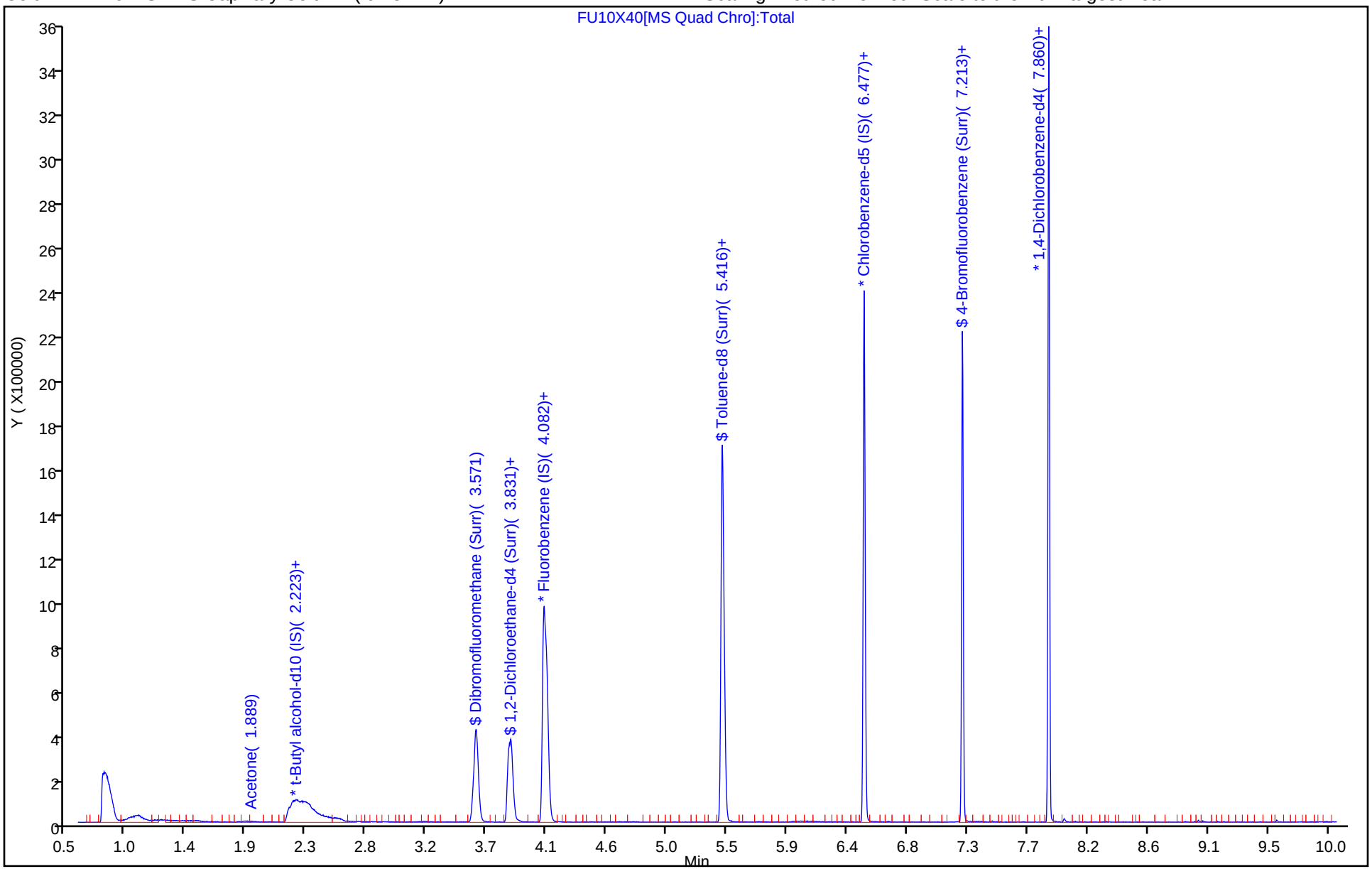
Report Date: 11-Jun-2025 12:46:46 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X40.D

Injection Date:	10-Jun-2025 15:38:26	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	410-225004-C-6	Lab Sample ID:	410-225004-6	Worklist Smp#:	11
Client ID:	EB				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	60
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X40.D
Lims ID: 410-225004-C-6
Client ID: EB
Sample Type: Client
Inject. Date: 10-Jun-2025 15:38:26 ALS Bottle#: 60 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-011
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 12:46:43 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

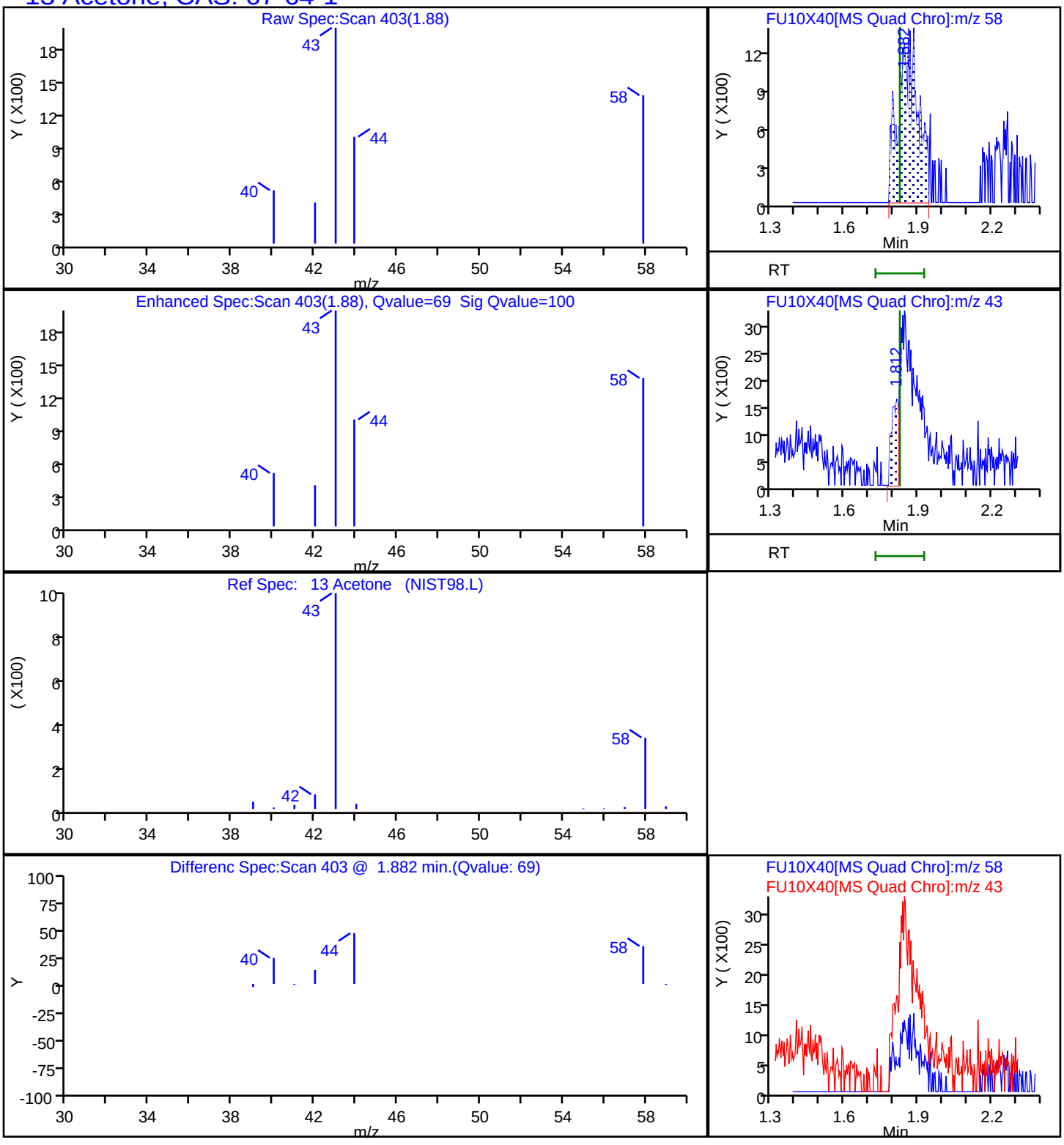
First Level Reviewer: FQ4L Date: 11-Jun-2025 12:46:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 40 Dibromofluoromethane (Surr)	50.0	48.0	96.09
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	45.6	91.23
$ 65 Toluene-d8 (Surr)	50.0	50.9	101.81
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.4	100.81

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X40.D				
Injection Date:	10-Jun-2025 15:38:26	Instrument ID:	15830		
Lims ID:	410-225004-C-6	Lab Sample ID:	410-225004-6		
Client ID:	EB				
Operator ID:	knk41612	ALS Bottle#:	60	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

13 Acetone, CAS: 67-64-1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

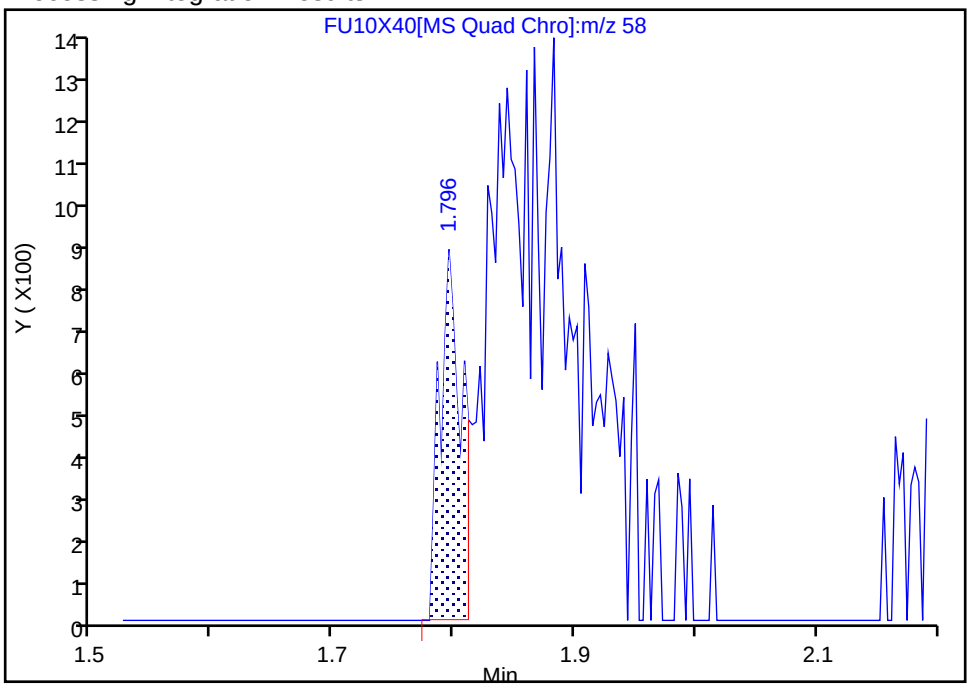
Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X40.D				
Injection Date:	10-Jun-2025 15:38:26	Instrument ID:	15830		
Lims ID:	410-225004-C-6	Lab Sample ID:	410-225004-6		
Client ID:	EB				
Operator ID:	knk41612	ALS Bottle#:	60	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

13 Acetone, CAS: 67-64-1

Signal: 1

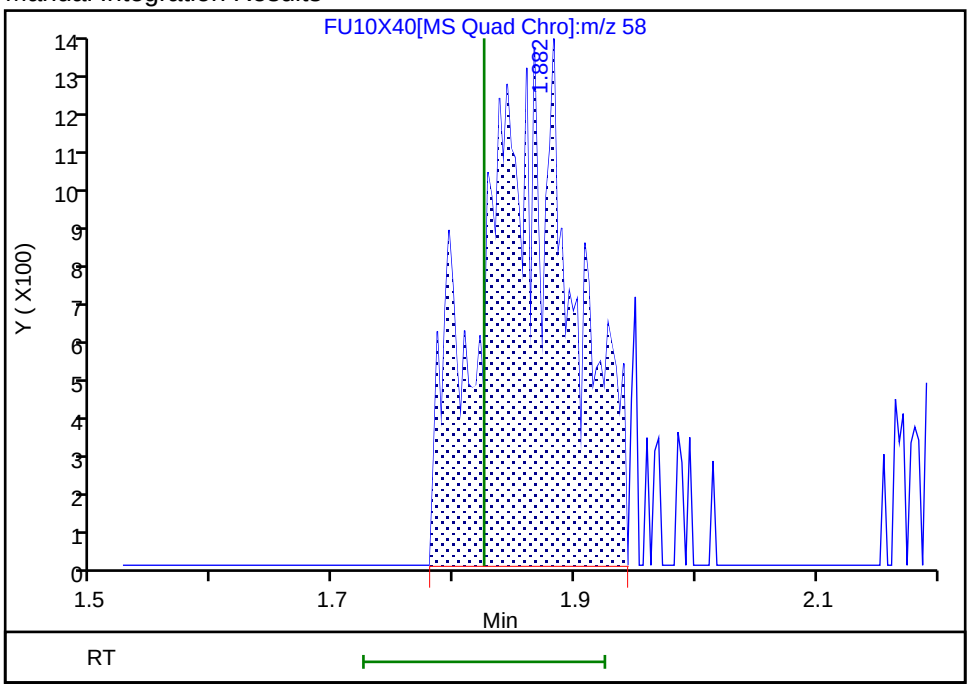
Processing Integration Results

RT: 1.80
Area: 1017
Amount: 0.767484
Amount Units: ug/l



Manual Integration Results

RT: 1.88
Area: 6737
Amount: 5.084108
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2025 12:46:23 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: Trip Blank
Lab Sample ID: 410-225004-7

Matrix: Water
Lab File ID: WU12X08.D

Analysis Method: 8260D
Date Collected: 05/30/2025 08:00

Sample wt/vol: 5(mL)
Date Analyzed: 06/12/2025 12:00

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 656473
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND		10	0.50
67-64-1	Acetone	ND	cn	20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	ND		5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.30
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: Trip Blank
Lab Sample ID: 410-225004-7

Matrix: Water
Lab File ID: WU12X08.D

Analysis Method: 8260D
Date Collected: 05/30/2025 08:00

Sample wt/vol: 5(mL)
Date Analyzed: 06/12/2025 12:00

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 656473
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		5.0	0.30
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylene (total)	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: Trip Blank
Lab Sample ID: 410-225004-7

Matrix: Water
Lab File ID: WU12X08.D

Analysis Method: 8260D
Date Collected: 05/30/2025 08:00

Sample wt/vol: 5(mL)
Date Analyzed: 06/12/2025 12:00

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 656473
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

Number TICs Found: 0
TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X08.D
Lims ID: 410-225004-C-7
Client ID: Trip Blank
Sample Type: Client
Inject. Date: 12-Jun-2025 12:00:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0150115-009
Operator ID: CLM27445 Instrument ID: 9137

Method: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 13-Jun-2025 07:18:10 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1708

First Level Reviewer: FQ4L Date: 13-Jun-2025 07:30:36

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	5 Dichlorodifluoromethane	85		1.982				ND	
	7 Chloromethane	50		2.184				ND	
	8 Vinyl chloride	62		2.309				ND	
	11 Bromomethane	94		2.672				ND	
	13 Chloroethane	64		2.742				ND	
	15 Trichlorofluoromethane	101		3.051				ND	
	21 1,1-Dichloroethene	96		3.641				ND	
	23 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.641				ND	
	22 Acetone	58		3.683				ND	
	27 Carbon disulfide	76		3.962				ND	
	29 Methyl acetate	43		4.100				ND	
	35 Methylene Chloride	84		4.347				ND	
*	34 t-Butyl alcohol-d10 (IS)	65	4.360	4.357	0.003	1	284503	250.0	
	38 Methyl tert-butyl ether	73		4.719				ND	
	39 trans-1,2-Dichloroethene	96		4.732				ND	
	41 1,1-Dichloroethane	63		5.393				ND	
	47 2-Butanone (MEK)	43		6.198				ND	7
	48 cis-1,2-Dichloroethene	96		6.240				ND	
	57 Chloroform	83		6.718				ND	
$	58 Dibromofluoromethane (Surr)	113	6.943	6.930	0.013	93	257482	52.2	
	59 1,1,1-Trichloroethane	97		6.943				ND	
	60 Cyclohexane	56		7.036				ND	
	61 Carbon tetrachloride	117		7.164				ND	
$	66 1,2-Dichloroethane-d4 (Surr)	102	7.392	7.386	0.006	62	65022	52.0	
	67 Benzene	78		7.424				ND	
	68 1,2-Dichloroethane	62		7.498				ND	
*	74 Fluorobenzene (IS)	96	7.832	7.822	0.010	100	1054415	50.0	
	77 Trichloroethene	95		8.304				ND	
	79 Methylcyclohexane	83		8.640				ND	
	80 1,2-Dichloropropane	63		8.644				ND	
	86 Dichlorobromomethane	83		8.977				ND	
	92 cis-1,3-Dichloropropene	75		9.529				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
93 4-Methyl-2-pentanone (MIBK)	43		9.706				ND	
$ 95 Toluene-d8 (Surr)	98	9.834	9.834	0.000	93	943044	49.7	
98 Toluene	92		9.905				ND	7
125 trans-1,3-Dichloropropene	75		10.161				ND	7
129 1,1,2-Trichloroethane	97		10.367				ND	
130 Tetrachloroethene	166		10.453				ND	7
134 2-Hexanone	43		10.585				ND	
136 Chlorodibromomethane	129		10.733				ND	
S 138 Xylenes, Total	106		11.245				ND	7
* 139 Chlorobenzene-d5 (IS)	117	11.281	11.278	0.003	84	733615	50.0	
141 Chlorobenzene	112		11.304				ND	7
143 Ethylbenzene	91		11.390				ND	7
144 m-Xylene & p-Xylene	106		11.509				ND	
146 o-Xylene	106		11.833				ND	
147 Styrene	104		11.853				ND	
148 Bromoform	173		12.010				ND	
149 Isopropylbenzene	105		12.132				ND	
$ 152 4-Bromofluorobenzene (Surr)	95	12.276	12.279	-0.003	89	349005	48.0	
153 1,1,2,2-Tetrachloroethane	83		12.379				ND	
166 1,3-Dichlorobenzene	146		13.101				ND	7
* 168 1,4-Dichlorobenzene-d4	152	13.155	13.159	-0.004	95	423243	50.0	
170 1,4-Dichlorobenzene	146		13.168				ND	7
176 1,2-Dichlorobenzene	146		13.438				ND	
181 1,2,4-Trichlorobenzene	180		14.532				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

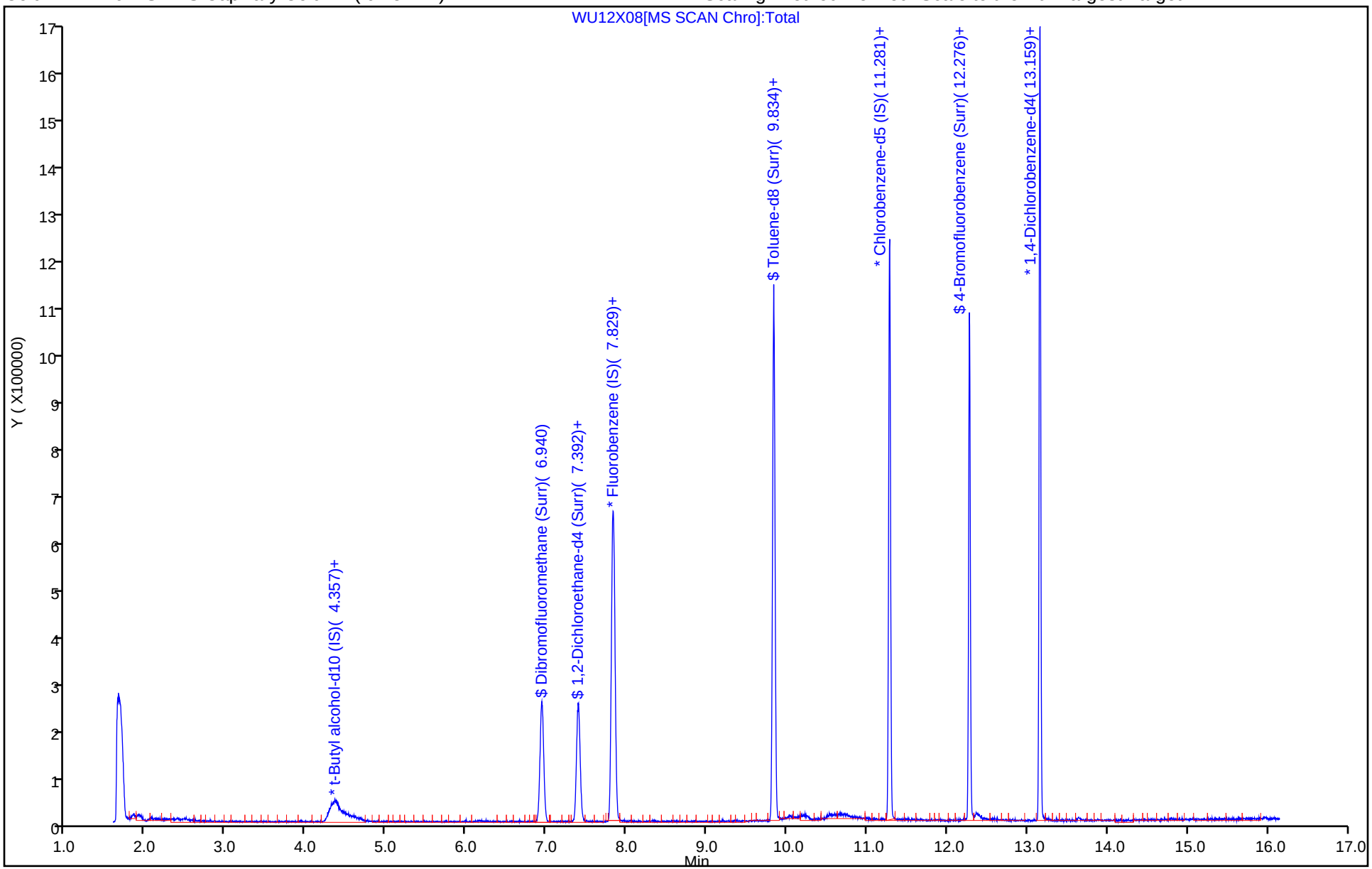
MSV_Cent_ISSS_00036 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 13-Jun-2025 07:30:37 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X08.D				
Injection Date:	12-Jun-2025 12:00:30	Instrument ID:	9137	Operator ID:	CLM27445
Lims ID:	410-225004-C-7	Lab Sample ID:	410-225004-7	Worklist Smp#:	9
Client ID:	Trip Blank				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X08.D
Lims ID: 410-225004-C-7
Client ID: Trip Blank
Sample Type: Client
Inject. Date: 12-Jun-2025 12:00:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0150115-009
Operator ID: CLM27445 Instrument ID: 9137

Method: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 13-Jun-2025 07:18:10 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1708

First Level Reviewer: FQ4L Date: 13-Jun-2025 07:30:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 58 Dibromofluoromethane (Surr)	50.0	52.2	104.33
$ 66 1,2-Dichloroethane-d4 (Surr)	50.0	52.0	103.92
$ 95 Toluene-d8 (Surr)	50.0	49.7	99.36
$ 152 4-Bromofluorobenzene (Surr)	50.0	48.0	96.06

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-627062/4	FA07X03.D
Level 2	IC 410-627062/5	FA07X04.D
Level 3	IC 410-627062/6	FA07X05.D
Level 4	IC 410-627062/7	FA07X06.D
Level 5	ICIS 410-627062/8	FA07X07.D
Level 6	IC 410-627062/9	FA07X08.D
Level 7	IC 410-627062/10	FA07X09.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3877 0.4126	0.4596 0.3704	+++++	0.4166	0.4321	Ave		0.4132			0.1000	7.7		20.0			
Chloromethane	0.5121 0.4333	0.5299 0.3974	+++++	0.4545	0.4653	Ave		0.4654			0.1000	10.6		20.0			
Vinyl chloride	0.3954 0.3890	0.4634 0.3505	+++++	0.4122	0.4186	Ave		0.4048			0.1000	9.2		20.0			
1,3-Butadiene	0.5969 0.4230	0.5492 0.3798	+++++	0.4471	0.4492	Ave		0.4742				17.3		20.0			
Bromomethane	0.3145 0.2706	0.3135 0.2434	+++++	0.2881	0.2885	Ave		0.2865			0.1000	9.4		20.0			
Chloroethane	0.2684 0.2243	0.2611 0.2026	+++++	0.2349	0.2386	Ave		0.2383			0.1000	10.1		20.0			
n-Pentane	0.5210 0.3711	0.4717 0.3369	+++++	0.4113	0.3809	Ave		0.4155				16.6		20.0			
Dichlorofluoromethane	0.7131 0.6676	0.7288 0.6139	+++++	0.7004	0.7017	Ave		0.6876			0.1000	6.0		20.0			
Trichlorofluoromethane	0.4836 0.5171	0.5827 0.4691	+++++	0.5438	0.5440	Ave		0.5234			0.1000	8.1		20.0			
Freon 123a	0.3817 0.3364	0.3987 0.3064	+++++	0.3475	0.3592	Ave		0.3550				9.3		20.0			
Acrolein	0.6951 0.8442	0.6854 0.8769	+++++	0.9315	0.8385	Ave		0.8119				12.3		20.0			
1,1-Dichloroethene	0.2406 0.2421	0.2671 0.2135	+++++	0.2702	0.2478	Ave		0.2469			0.1000	8.4		20.0			
Acetone	0.5753 0.4147	0.4390 0.4334	+++++	0.4479	0.4384	Ave		0.4581			0.1000	12.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Freon 113	0.2670 0.2855	0.3337 0.2493	+++++	0.3060	0.2875	Ave		0.2882			0.1000	10.2		20.0			
Methyl iodide	0.5046 0.5008	0.5489 0.4414	+++++	0.5477	0.5091	Ave		0.5087				7.7		20.0			
2-Propanol	0.4379 0.4175	0.3331 0.4367	+++++	0.3831	0.3574	Ave		0.3943				11.0		20.0			
Carbon disulfide	0.8898 0.8456	0.9045 0.7733	+++++	0.8744	0.8451	Ave		0.8555			0.1000	5.5		20.0			
Allyl chloride	0.5130 0.4280	0.4333 0.3822	+++++	0.4479	0.4300	Ave		0.4391				9.7		20.0			
Methyl acetate	0.4308 0.3784	0.3937 0.3387	+++++	0.4061	0.3771	Ave		0.3875			0.1000	8.0		20.0			
Methylene Chloride	0.3181 0.2926	0.3264 0.2639	+++++	0.3167	0.2939	Ave		0.3019			0.1000	7.7		20.0			
t-Butyl alcohol	0.9912 1.0072	0.9687 0.9724	+++++	1.0250	0.9701	Ave		0.9891				2.3		20.0			
Acrylonitrile	0.2265 0.2062	0.2269 0.1885	+++++	0.2227	0.2106	Ave		0.2135				7.0		20.0			
trans-1,2-Dichloroethene	0.2821 0.2761	0.3042 0.2434	+++++	0.2993	0.2818	Ave		0.2811			0.1000	7.7		20.0			
Methyl tertiary butyl ether	0.9722 0.8930	0.9725 0.8028	+++++	0.9603	0.8959	Ave		0.9161			0.1000	7.3		20.0			
n-Hexane	0.2914 0.3284	0.3510 0.2939	+++++	0.3422	0.3345	Ave		0.3236				7.8		20.0			
1,1-Dichloroethane	0.4981 0.4863	0.5131 0.4336	+++++	0.5193	0.4857	Ave		0.4894			0.2000	6.2		20.0			
Isopropyl ether	0.8271 0.8012	0.8317 0.7327	+++++	0.8424	0.7974	Ave		0.8054				4.9		20.0			
2-Chloro-1,3-butadiene	0.4318 0.4310	0.4617 0.3881	+++++	0.4612	0.4371	Ave		0.4351				6.2		20.0			
Ethyl t-butyl ether	0.8860 0.8950	0.9242 0.8144	+++++	0.9338	0.8869	Ave		0.8900				4.7		20.0			
2-Butanone	0.2976 0.2556	0.2283 0.2583	+++++	0.2684	0.2715	Ave		0.2633			0.1000	8.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.3402 0.3199	0.3460 0.2815	+++++	0.3409	0.3179	Ave		0.3244			0.1000	7.4		20.0			
2,2-Dichloropropane	0.4562 0.4606	0.4839 0.4133	+++++	0.4867	0.4623	Ave		0.4605				5.7		20.0			
Propionitrile	0.7079 0.7741	0.6660 0.7791	+++++	0.7821	0.7096	Ave		0.7365				6.6		20.0			
Methacrylonitrile	0.1786 0.1824	0.1725 0.1741	+++++	0.1789	0.1739	Ave		0.1768				2.2		20.0			
Tetrahydrofuran	0.6518 0.6891	0.5806 0.7071	+++++	0.7053	0.6248	Ave		0.6598				7.6		20.0			
Bromochloromethane	0.1658 0.1524	0.1632 0.1317	+++++	0.1637	0.1538	Ave		0.1551				8.2		20.0			
Chloroform	0.4844 0.4883	0.5151 0.4375	+++++	0.5088	0.4859	Ave		0.4867			0.2000	5.6		20.0			
1,1,1-Trichloroethane	0.4255 0.4474	0.4626 0.4117	+++++	0.4672	0.4459	Ave		0.4434			0.1000	4.8		20.0			
Cyclohexane	0.4995 0.4957	0.5566 0.4493	+++++	0.5204	0.4988	Ave		0.5034			0.1000	7.0		20.0			
Carbon tetrachloride	0.3133 0.3710	0.3665 0.3491	+++++	0.3687	0.3619	Ave		0.3551			0.1000	6.2		20.0			
1,1-Dichloropropene	0.3235 0.3782	0.3697 0.3597	+++++	0.3792	0.3696	Ave		0.3633				5.7		20.0			
Isobutyl alcohol	0.2716 0.2473	0.2164 0.2452	+++++	0.2423	0.2297	Ave		0.2421				7.7		20.0			
Benzene	0.9666 1.0874	1.0361 1.0300	+++++	1.0847	1.0476	Ave		1.0420			0.5000	4.2		20.0			
1,2-Dichloroethane	0.3684 0.3566	0.3489 0.3396	+++++	0.3504	0.3429	Ave		0.3511			0.1000	2.9		20.0			
t-Amyl methyl ether	0.8838 0.8768	0.8793 0.7974	+++++	0.8985	0.8553	Ave		0.8652				4.2		20.0			
n-Heptane	0.2623 0.2511	0.2770 0.2354	+++++	0.2486	0.2455	Ave		0.2533				5.7		20.0			
n-Butanol	0.1990 0.2194	0.1758 0.2144	+++++	0.2097	0.2049	Ave		0.2039				7.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Trichloroethene	0.2395 0.2728	0.2547 0.2697	+++++	0.2611	0.2608	Ave		0.2598			0.2000	4.6		20.0			
Methylcyclohexane	0.4397 0.5061	0.5405 0.4598	+++++	0.5141	0.5099	Ave		0.4950			0.1000	7.6		20.0			
1,2-Dichloropropane	0.2399 0.2485	0.2286 0.2444	+++++	0.2369	0.2363	Ave		0.2391			0.1000	2.9		20.0			
t-Amyl ethyl ether	0.4075 0.4486	0.4494 0.4206	+++++	0.4546	0.4411	Ave		0.4370				4.3		20.0			
1,4-Dioxane	0.0431 0.0564	0.0514 0.0544	+++++	0.0500	0.0526	Ave		0.0513			0.0050	9.0		20.0			
Dibromomethane	0.1654 0.1687	0.1583 0.1646	+++++	0.1650	0.1602	Ave		0.1637				2.3		20.0			
Methyl methacrylate	0.2113 0.2246	0.2095 0.2279	+++++	0.2182	0.2111	Ave		0.2171				3.6		20.0			
Bromodichloromethane	0.2432 0.3112	0.2528 0.3187	+++++	0.2808	0.2860	Ave		0.2821			0.2000	10.7		20.0			
2-Nitropropane	0.6307 0.9815	0.5591 +++++	+++++	0.8086	0.8163	Lin1	-3.024	0.9201							0.9900		0.9900
2-Chloroethyl vinyl ether	0.1493 0.1578	0.1410 0.1612	+++++	0.1482	0.1582	Ave		0.1526				5.1		20.0			
cis-1,3-Dichloropropene	0.2816 0.3560	0.2926 0.3823	+++++	0.3268	0.3328	Ave		0.3287			0.2000	11.5		20.0			
4-Methyl-2-pentanone	0.4130 0.4480	0.3825 0.4499	+++++	0.5308	0.5121	Ave		0.4561			0.1000	12.4		20.0			
Toluene	0.8271 0.9229	0.8098 0.8732	+++++	0.8684	0.8667	Ave		0.8614			0.4000	4.6		20.0			
trans-1,3-Dichloropropene	0.3783 0.4794	0.3642 0.4809	+++++	0.4303	0.4379	Ave		0.4285			0.1000	11.5		20.0			
Ethyl methacrylate	0.5130 0.5626	0.5046 0.5252	+++++	0.5426	0.5338	Ave		0.5303				4.0		20.0			
1,1,2-Trichloroethane	0.2702 0.3089	0.2583 0.2960	+++++	0.2962	0.2859	Ave		0.2859			0.1000	6.5		20.0			
Tetrachloroethene	0.3181 0.3880	0.3565 0.3700	+++++	0.3653	0.3683	Ave		0.3610			0.2000	6.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	0.4394 0.5087	0.4460 0.5046	+++++	0.4923	0.4766	Ave		0.4780				6.2		20.0			
2-Hexanone	0.4405 0.4823	0.4222 0.4662	+++++	0.5980	0.5796	Ave		0.4981			0.1000	14.7		20.0			
Dibromochloromethane	0.2318 0.3333	0.2306 0.3413	+++++	0.2780	0.2909	Ave		0.2843				16.8		20.0			
1,2-Dibromoethane	0.2915 0.3350	0.2977 0.3207	+++++	0.3229	0.3154	Ave		0.3139			0.1000	5.2		20.0			
Chlorobenzene	0.8940 0.9753	0.8977 0.9166	+++++	0.9460	0.9376	Ave		0.9279			0.5000	3.4		20.0			
1-Chlorohexane	0.4360 0.4790	0.4578 0.4335	+++++	0.4851	0.4690	Ave		0.4600				4.7		20.0			
1,1,1,2-Tetrachloroethane	0.3021 0.4129	0.3313 0.3690	+++++	0.3762	0.3816	Ave		0.3622				10.9		20.0			
Ethylbenzene	1.6176 1.8539	1.7374 1.5830	+++++	1.8213	1.7764	Ave		1.7316			0.1000	6.3		20.0			
m&p-Xylene	0.6371 0.7152	0.6633 0.6436	+++++	0.7114	0.6894	Ave		0.6767			0.1000	5.0		20.0			
o-Xylene	0.6717 0.7674	0.7145 0.6764	+++++	0.7556	0.7293	Ave		0.7192			0.3000	5.5		20.0			
Styrene	0.9910 1.1055	1.0604 0.9766	+++++	1.1128	1.0759	Ave		1.0537			0.3000	5.5		20.0			
Bromoform	0.1595 0.2369	0.1625 0.2319	+++++	0.2019	0.2121	Ave		0.2008			0.1000	16.6		20.0			
Isopropylbenzene	1.5655 1.8999	1.7126 1.4864	+++++	1.8293	1.8178	Ave		1.7186			0.1000	9.5		20.0			
Bromobenzene	0.6109 0.6888	0.6429 0.6738	+++++	0.6837	0.6533	Ave		0.6589				4.5		20.0			
1,1,2,2-Tetrachloroethane	0.8938 1.0366	0.9074 1.0071	+++++	1.0100	0.9672	Ave		0.9704			0.3000	6.0		20.0			
trans-1,4-Dichloro-2-butene	0.2393 0.3302	0.2519 0.3232	+++++	0.2999	0.2984	Ave		0.2905				12.8		20.0			
1,2,3-Trichloropropane	0.3188 0.3296	0.3199 0.3139	+++++	0.3379	0.3112	Ave		0.3219				3.1		20.0			

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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	3.0646 3.8120	3.4326 2.8899	+++++	3.6514	3.6458	Ave		3.4161				10.7		20.0			
2-Chlorotoluene	0.6472 0.7746	0.6813 0.7563	+++++	0.7330	0.7205	Ave		0.7188				6.6		20.0			
1,3,5-Trimethylbenzene	2.1894 2.8862	2.4626 2.4944	+++++	2.7024	2.6726	Ave		2.5679				9.4		20.0			
4-Chlorotoluene	0.6330 0.7136	0.6541 0.6790	+++++	0.7167	0.6791	Ave		0.6793				4.8		20.0			
tert-Butylbenzene	0.4020 0.5964	0.4514 0.5885	+++++	0.5243	0.5415	Ave		0.5173				14.9		20.0			
1,2,4-Trimethylbenzene	2.3692 2.8474	2.4695 2.4674	+++++	2.7260	2.6390	Ave		2.5864				7.0		20.0			
sec-Butylbenzene	2.5579 3.5482	2.8997 2.7930	+++++	3.2646	3.2817	Ave		3.0575				12.0		20.0			
1,3-Dichlorobenzene	1.1980 1.3438	1.2718 1.3041	+++++	1.3372	1.2875	Ave		1.2904			0.6000	4.1		20.0			
p-Isopropyltoluene	2.2822 3.0097	2.5828 2.4958	+++++	2.8361	2.8661	Ave		2.6788				10.1		20.0			
1,4-Dichlorobenzene	1.2301 1.3489	1.2684 1.3017	+++++	1.3443	1.2933	Ave		1.2978			0.5000	3.5		20.0			
1,2,3-Trimethylbenzene	2.4506 2.9810	2.6094 2.5062	+++++	2.8606	2.7741	Ave		2.6970				7.7		20.0			
Benzyl chloride	+++++ 2.1424	1.4242 2.1304	+++++	1.8970	1.9587	Ave		1.9105				15.3		20.0			
1,3-Diethylbenzene	1.2867 1.6690	1.4913 1.5883	+++++	1.5978	1.6170	Ave		1.5417				8.9		20.0			
1,4-Diethylbenzene	1.4203 1.7179	1.5618 1.6272	+++++	1.6906	1.6873	Ave		1.6175				6.9		20.0			
n-Butylbenzene	1.1424 1.3512	1.2619 1.2736	+++++	1.3266	1.3336	Ave		1.2815				6.0		20.0			
1,2-Dichlorobenzene	1.3201 1.3698	1.2953 1.2667	+++++	1.3789	1.3083	Ave		1.3232			0.4000	3.3		20.0			
1,2-Diethylbenzene	1.1122 1.4390	1.2251 1.4002	+++++	1.3436	1.3312	Ave		1.3086				9.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromo-3-Chloropropane	0.2992 0.3861	0.2997 0.4016	+++++	0.3600	0.3492	Ave		0.3493			0.0500	12.3		20.0			
1,3,5-Trichlorobenzene	0.8917 0.9935	0.8951 0.9543	+++++	0.9359	0.9439	Ave		0.9357				4.1		20.0			
1,2,4-Trichlorobenzene	0.9075 0.9915	0.9151 0.9243	+++++	0.9556	0.9306	Ave		0.9374			0.2000	3.3		20.0			
Hexachlorobutadiene	0.2601 0.3432	0.3031 0.3475	+++++	0.3104	0.3229	Ave		0.3145				10.1		20.0			
Naphthalene	4.1267 4.3497	4.0861 2.8810	+++++	4.3347	4.1516	Ave		3.9883				13.9		20.0			
1,2,3-Trichlorobenzene	0.8877 0.9858	0.9125 0.9218	+++++	0.9601	0.9431	Ave		0.9352				3.8		20.0			
2-Methylnaphthalene	2.1759 2.2084	1.9044 1.9708	+++++	2.0305	2.1255	Ave		2.0693				5.8		20.0			
Dibromofluoromethane (Surr)	0.2952 0.2724	0.2957 0.2558	+++++	0.2881	0.2803	Ave		0.2813				5.5		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0678 0.0662	0.0687 0.0642	+++++	0.0677	0.0699	Ave		0.0674				3.0		20.0			
Toluene-d8 (Surr)	1.2900 1.3670	1.2759 1.3637	+++++	1.3196	1.3551	Ave		1.3285				3.0		20.0			
4-Bromofluorobenzene (Surr)	0.5511 0.5237	0.5566 0.4952	+++++	0.5527	0.5457	Ave		0.5375				4.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-225004-1 | Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 | Calibration End Date: 04/07/2025 17:19 | Calibration ID: 71472

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-627062/4	FA07X03.D
Level 2	IC 410-627062/5	FA07X04.D
Level 3	IC 410-627062/6	FA07X05.D
Level 4	IC 410-627062/7	FA07X06.D
Level 5	ICIS 410-627062/8	FA07X07.D
Level 6	IC 410-627062/9	FA07X08.D
Level 7	IC 410-627062/10	FA07X09.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	9262 1134313	42681 3342877	+++++	208389	556574	1.00 100	4.00 300	+++++	20.0	50.0
Chloromethane	FB	Ave	12233 1191220	49209 3587450	+++++	227367	599298	1.00 100	4.00 300	+++++	20.0	50.0
Vinyl chloride	FB	Ave	9445 1069390	43036 3163711	+++++	206187	539164	1.00 100	4.00 300	+++++	20.0	50.0
1,3-Butadiene	FB	Ave	14260 1162665	51004 3428129	+++++	223631	578544	1.00 100	4.00 300	+++++	20.0	50.0
Bromomethane	FB	Ave	7514 743980	29111 2197187	+++++	144138	371615	1.00 100	4.00 300	+++++	20.0	50.0
Chloroethane	FB	Ave	6412 616632	24250 1828398	+++++	117504	307378	1.00 100	4.00 300	+++++	20.0	50.0
n-Pentane	FB	Ave	12445 1020136	43805 3040491	+++++	205770	490667	1.00 100	4.00 300	+++++	20.0	50.0
Dichlorofluoromethane	FB	Ave	17034 1835151	67682 5541610	+++++	350344	903834	1.00 100	4.00 300	+++++	20.0	50.0
Trichlorofluoromethane	FB	Ave	11552 1421568	54110 4234411	+++++	272016	700694	1.00 100	4.00 300	+++++	20.0	50.0
Freon 123a	FB	Ave	9119 924678	37030 2765381	+++++	173824	462726	1.00 100	4.00 300	+++++	20.0	50.0
Acrolein	TBAd10	Ave	23728 2812686	91200 8881683	+++++	562914	1402802	9.76 976	39.0 2927	+++++	195	488
1,1-Dichloroethene	FB	Ave	5747 665637	24808 1927438	+++++	135175	319170	1.00 100	4.00 300	+++++	20.0	50.0
Acetone	TBAd10	Ave	4025 283216	11972 899819	+++++	55471	150329	2.00 200	8.00 600	+++++	40.0	100
Freon 113	FB	Ave	6379 784758	30992 2250209	+++++	153053	370345	1.00 100	4.00 300	+++++	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-225004-1 | Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 | Calibration End Date: 04/07/2025 17:19 | Calibration ID: 71472

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl iodide	FB	Ave	12054 1376642	50971 3984206	+++++	273994	655751	1.00 100	4.00 300	+++++	20.0	50.0
2-Propanol	TBAd10	Ave	7660 712812	22714 2266547	+++++	118624	306362	5.00 500	20.0 1500	+++++	100	250
Carbon disulfide	FB	Ave	21257 2324501	83998 6980106	+++++	437383	1088572	1.00 100	4.00 300	+++++	20.0	50.0
Allyl chloride	FB	Ave	12255 1176613	40241 3450228	+++++	224042	553824	1.00 100	4.00 300	+++++	20.0	50.0
Methyl acetate	FB	Ave	10291 1040256	36562 3056919	+++++	203147	485671	1.00 100	4.00 300	+++++	20.0	50.0
Methylene Chloride	FB	Ave	7598 804335	30311 2381747	+++++	158431	378595	1.00 100	4.00 300	+++++	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	17338 1719405	66051 5046714	+++++	317373	831591	5.00 500	20.0 1500	+++++	100	250
Acrylonitrile	FB	Ave	13525 1416890	52676 4252870	+++++	278513	678125	2.50 250	10.0 750	+++++	50.0	125
trans-1,2-Dichloroethene	FB	Ave	6738 759073	28248 2196547	+++++	149716	362925	1.00 100	4.00 300	+++++	20.0	50.0
Methyl tertiary butyl ether	FB	Ave	23225 2454860	90311 7245962	+++++	480363	1154019	1.00 100	4.00 300	+++++	20.0	50.0
n-Hexane	FB	Ave	6962 902856	32598 2652932	+++++	171171	430864	1.00 100	4.00 300	+++++	20.0	50.0
1,1-Dichloroethane	FB	Ave	11899 1336746	47647 3913898	+++++	259786	625623	1.00 100	4.00 300	+++++	20.0	50.0
Isopropyl ether	FB	Ave	19759 2202518	77242 6613294	+++++	421381	1027082	1.00 100	4.00 300	+++++	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	10316 1184701	42873 3503427	+++++	230688	563023	1.00 100	4.00 300	+++++	20.0	50.0
Ethyl t-butyl ether	FB	Ave	21166 2460175	85827 7350871	+++++	467117	1142345	1.00 100	4.00 300	+++++	20.0	50.0
2-Butanone	FB	Ave	14219 1405360	42411 4663275	+++++	268552	699529	2.00 200	8.00 600	+++++	40.0	100
cis-1,2-Dichloroethene	FB	Ave	8127 879290	32135 2540943	+++++	170544	409425	1.00 100	4.00 300	+++++	20.0	50.0
2,2-Dichloropropane	FB	Ave	10897 1266056	44942 3730843	+++++	243468	595407	1.00 100	4.00 300	+++++	20.0	50.0
Propionitrile	TBAd10	Ave	12383 1321490	45407 4043744	+++++	242169	608257	5.00 500	20.0 1500	+++++	100	250

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methacrylonitrile	FB	Ave	10668 1253593	40060 3927606	+++++	223791	560057	2.50 250	10.0 750	+++++	50.0	125
Tetrahydrofuran	TBAd10	Ave	11402 1176371	39586 3669937	+++++	218375	535547	5.00 500	20.0 1500	+++++	100	250
Bromochloromethane	FB	Ave	3960 418875	15157 1189101	+++++	81906	198043	1.00 100	4.00 300	+++++	20.0	50.0
Chloroform	FB	Ave	11572 1342359	47835 3949251	+++++	254535	625909	1.00 100	4.00 300	+++++	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	10164 1229953	42962 3715767	+++++	233723	574335	1.00 100	4.00 300	+++++	20.0	50.0
Cyclohexane	FB	Ave	11933 1362625	51686 4055326	+++++	260299	642443	1.00 100	4.00 300	+++++	20.0	50.0
Carbon tetrachloride	FB	Ave	7484 1019901	34032 3151072	+++++	184457	466149	1.00 100	4.00 300	+++++	20.0	50.0
1,1-Dichloropropene	FB	Ave	7729 1039719	34335 3246896	+++++	189672	476109	1.00 100	4.00 300	+++++	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	11878 1055553	36879 3180842	+++++	187551	492250	12.5 1250	50.0 3750	+++++	250	625
Benzene	FB	Ave	23090 2989061	96220 9296645	+++++	542583	1349347	1.00 100	4.00 300	+++++	20.0	50.0
1,2-Dichloroethane	FB	Ave	8801 980157	32399 3065401	+++++	175283	441726	1.00 100	4.00 300	+++++	20.0	50.0
t-Amyl methyl ether	FB	Ave	21114 2410243	81663 7197473	+++++	449459	1101719	1.00 100	4.00 300	+++++	20.0	50.0
n-Heptane	FB	Ave	6266 690186	25729 2124457	+++++	124362	316215	1.00 100	4.00 300	+++++	20.0	50.0
n-Butanol	TBAd10	Ave	8703 936334	29963 2781299	+++++	162300	439153	12.5 1250	50.0 3750	+++++	250	625
Trichloroethene	FB	Ave	5721 749819	23656 2434539	+++++	130623	335880	1.00 100	4.00 300	+++++	20.0	50.0
Methylcyclohexane	FB	Ave	10505 1391176	50199 4150092	+++++	257172	656747	1.00 100	4.00 300	+++++	20.0	50.0
1,2-Dichloropropane	FB	Ave	5732 683196	21227 2206202	+++++	118489	304424	1.00 100	4.00 300	+++++	20.0	50.0
t-Amyl ethyl ether	FB	Ave	9735 1233082	41732 3796306	+++++	227400	568194	1.00 100	4.00 300	+++++	20.0	50.0
1,4-Dioxane	TBAd10	Ave	1886	8758	+++++	38670	112760	12.5	50.0	+++++	250	625

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			240853	705645				1250	3750			
Dibromomethane	FB	Ave	3952 463712	14698 1485752	+++++	82536	206404	1.00 100	4.00 300	+++++	20.0	50.0
Methyl methacrylate	FB	Ave	5047 617268	19455 2056642	+++++	109149	271944	1.00 100	4.00 300	+++++	20.0	50.0
Bromodichloromethane	FB	Ave	5809 855401	23476 2877039	+++++	140488	368383	1.00 100	4.00 300	+++++	20.0	50.0
2-Nitropropane	TBAd10	Lin1	11033 1675528	38123 +++++	+++++	250369	699719	5.00 500	20.0 +++++	+++++	100	250
2-Chloroethyl vinyl ether	FB	Ave	3566 433835	13091 1455439	+++++	74130	203709	1.00 100	4.00 300	+++++	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	6726 978546	27169 3451025	+++++	163464	428681	1.00 100	4.00 300	+++++	20.0	50.0
4-Methyl-2-pentanone	FB	Ave	19734 2463089	71048 8121838	+++++	531092	1319150	2.00 200	8.00 600	+++++	40.0	100
Toluene	CBZd5	Ave	13548 1645190	53380 5362683	+++++	291720	743967	1.00 100	4.00 300	+++++	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	6197 854547	24010 2953449	+++++	144535	375871	1.00 100	4.00 300	+++++	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	8403 1003012	33260 3225424	+++++	182284	458166	1.00 100	4.00 300	+++++	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	4426 550709	17029 1817815	+++++	99512	245439	1.00 100	4.00 300	+++++	20.0	50.0
Tetrachloroethene	CBZd5	Ave	5211 691742	23498 2272089	+++++	122719	316138	1.00 100	4.00 300	+++++	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	7198 906892	29403 3099359	+++++	165388	409128	1.00 100	4.00 300	+++++	20.0	50.0
2-Hexanone	CBZd5	Ave	14431 1719402	55663 5726083	+++++	401747	995089	2.00 200	8.00 600	+++++	40.0	100
Dibromochloromethane	CBZd5	Ave	3796 594189	15200 2096234	+++++	93399	249659	1.00 100	4.00 300	+++++	20.0	50.0
1,2-Dibromoethane	CBZd5	Ave	4775 597279	19622 1969655	+++++	108473	270762	1.00 100	4.00 300	+++++	20.0	50.0
Chlorobenzene	CBZd5	Ave	14644 1738707	59178 5629528	+++++	317792	804764	1.00 100	4.00 300	+++++	20.0	50.0
1-Chlorohexane	CBZd5	Ave	7141 853818	30175 2662368	+++++	162948	402532	1.00 100	4.00 300	+++++	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	4949 736040	21838 2266519	+++++	126374	327535	1.00 100	4.00 300	+++++	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Ethylbenzene	CBZd5	Ave	26496 3304962	114532 9722347	+++++	611794	1524782	1.00 100	4.00 300	+++++	20.0	50.0
m&p-Xylene	CBZd5	Ave	20870 2550074	87454 7905688	+++++	477934	1183570	2.00 200	8.00 600	+++++	40.0	100
o-Xylene	CBZd5	Ave	11002 1368051	47097 4154439	+++++	253816	626038	1.00 100	4.00 300	+++++	20.0	50.0
Styrene	CBZd5	Ave	16232 1970671	69901 5997919	+++++	373815	923513	1.00 100	4.00 300	+++++	20.0	50.0
Bromoform	CBZd5	Ave	2613 422387	10711 1424189	+++++	67809	182027	1.00 100	4.00 300	+++++	20.0	50.0
Isopropylbenzene	CBZd5	Ave	25642 3386964	112896 9128930	+++++	614498	1560353	1.00 100	4.00 300	+++++	20.0	50.0
Bromobenzene	DCBd4	Ave	6327 722366	26656 2245155	+++++	141060	339560	1.00 100	4.00 300	+++++	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	9257 1087112	37624 3355980	+++++	208401	502722	1.00 100	4.00 300	+++++	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	6196 865657	26115 2692208	+++++	154715	387808	2.50 250	10.0 750	+++++	50.0	125
1,2,3-Trichloropropane	DCBd4	Ave	3302 345649	13263 1045978	+++++	69719	161752	1.00 100	4.00 300	+++++	20.0	50.0
N-Propylbenzene	DCBd4	Ave	31739 3997870	142322 9629886	+++++	753403	1894985	1.00 100	4.00 300	+++++	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	6703 812384	28246 2520209	+++++	151238	374497	1.00 100	4.00 300	+++++	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	22675 3026899	102101 8312004	+++++	557593	1389168	1.00 100	4.00 300	+++++	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	6556 748449	27118 2262680	+++++	147881	352966	1.00 100	4.00 300	+++++	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	4163 625464	18714 1961018	+++++	108188	281477	1.00 100	4.00 300	+++++	20.0	50.0
1,2,4-Trimethylbenzene	DCBd4	Ave	24537 2986297	102388 8221799	+++++	562458	1371706	1.00 100	4.00 300	+++++	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	26491 3721192	120224 9307094	+++++	673583	1705741	1.00 100	4.00 300	+++++	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	12407 1409346	52732 4345649	+++++	275899	669223	1.00 100	4.00 300	+++++	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	23636 3156489	107086 8316491	+++++	585172	1489725	1.00 100	4.00 300	+++++	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	12740 1414629	52588 4337510	+++++	277372	672203	1.00 100	4.00 300	+++++	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,3-Trimethylbenzene	DCBd4	Ave	25380 3126419	108190 8351234	+++++	590240	1441922	1.00 100	4.00 300	+++++	20.0	50.0
Benzyl chloride	DCBd4	Ave	+++++ 2246855	59048 7098860	+++++	391407	1018111	+++++ 100	4.00 300	+++++	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	13326 1750355	61833 5292475	+++++	329682	840502	1.00 100	4.00 300	+++++	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	14710 1801662	64755 5422061	+++++	348821	877000	1.00 100	4.00 300	+++++	20.0	50.0
n-Butylbenzene	DCBd4	Ave	11831 1417075	52320 4244044	+++++	273710	693190	1.00 100	4.00 300	+++++	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	13672 1436617	53704 4220923	+++++	284509	680018	1.00 100	4.00 300	+++++	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	11519 1509216	50796 4665858	+++++	277230	691915	1.00 100	4.00 300	+++++	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	3099 404969	12425 1338202	+++++	74275	181486	1.00 100	4.00 300	+++++	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	9235 1041945	37111 3180089	+++++	193101	490599	1.00 100	4.00 300	+++++	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	9399 1039805	37940 3080043	+++++	197167	483683	1.00 100	4.00 300	+++++	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	2694 359906	12565 1157948	+++++	64046	167862	1.00 100	4.00 300	+++++	20.0	50.0
Naphthalene	DCBd4	Ave	42739 4561800	169414 9600204	+++++	894383	2157895	1.00 100	4.00 300	+++++	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	9194 1033869	37834 3071536	+++++	198104	490222	1.00 100	4.00 300	+++++	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	22535 2316143	78961 6567156	+++++	418959	1104772	1.00 100	4.00 300	+++++	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	352633 374390	343275 384816	+++++	360337	361042	50.0 50.0	50.0 50.0	+++++	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	80973 90960	79766 96649	+++++	84606	90085	50.0 50.0	50.0 50.0	+++++	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	1056504 1218470	1051309 1395845	+++++	1108234	1163149	50.0 50.0	50.0 50.0	+++++	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	451380 466809	458651 506861	+++++	464156	468453	50.0 50.0	50.0 50.0	+++++	50.0	50.0

Curve Type Legend:
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-627062/4	FA07X03.D
Level 2	IC 410-627062/5	FA07X04.D
Level 3	IC 410-627062/6	FA07X05.D
Level 4	IC 410-627062/7	FA07X06.D
Level 5	ICIS 410-627062/8	FA07X07.D
Level 6	IC 410-627062/9	FA07X08.D
Level 7	IC 410-627062/10	FA07X09.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-6.2 -10.4	11.2	+++++	0.8	4.6	-0.1	50 30	30		30	30	30
Chloromethane	10.0 -14.6	13.8	+++++	-2.3	0.0	-6.9	50 30	30		30	30	30
Vinyl chloride	-2.3 -13.4	14.5	+++++	1.8	3.4	-3.9	50 30	30		30	30	30
1,3-Butadiene	25.9 -19.9	15.8	+++++	-5.7	-5.3	-10.8	50 30	30		30	30	30
Bromomethane	9.8 -15.0	9.4	+++++	0.6	0.7	-5.5	50 30	30		30	30	30
Chloroethane	12.6 -15.0	9.6	+++++	-1.4	0.1	-5.9	50 30	30		30	30	30
n-Pentane	25.4 -18.9	13.5	+++++	-1.0	-8.3	-10.7	50 30	30		30	30	30
Dichlorofluoromethane	3.7 -10.7	6.0	+++++	1.9	2.1	-2.9	50 30	30		30	30	30
Trichlorofluoromethane	-7.6 -10.4	11.3	+++++	3.9	3.9	-1.2	50 30	30		30	30	30
Freon 123a	7.5 -13.7	12.3	+++++	-2.1	1.2	-5.2	50 30	30		30	30	30
Acrolein	-14.4 8.0	-15.6	+++++	14.7	3.3	4.0	50 30	30		30	30	30
1,1-Dichloroethene	-2.6 -13.5	8.2	+++++	9.4	0.4	-1.9	50 30	30		30	30	30
Acetone	25.6 -5.4	-4.2	+++++	-2.2	-4.3	-9.5	50 30	30		30	30	30
Freon 113	-7.3 -13.5	15.8	+++++	6.2	-0.2	-0.9	50 30	30		30	30	30
Methyl iodide	-0.8 -13.2	7.9	+++++	7.7	0.1	-1.6	50 30	30		30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
2-Propanol	11.1 10.8	-15.5	+++++	-2.8	-9.4	5.9	50 30	30		30	30	30
Carbon disulfide	4.0 -9.6	5.7	+++++	2.2	-1.2	-1.2	50 30	30		30	30	30
Allyl chloride	16.8 -12.9	-1.3	+++++	2.0	-2.1	-2.5	50 30	30		30	30	30
Methyl acetate	11.2 -12.6	1.6	+++++	4.8	-2.7	-2.3	50 30	30		30	30	30
Methylene Chloride	5.3 -12.6	8.1	+++++	4.9	-2.6	-3.1	50 30	30		30	30	30
t-Butyl alcohol	0.2 -1.7	-2.1	+++++	3.6	-1.9	1.8	50 30	30		30	30	30
Acrylonitrile	6.0 -11.7	6.2	+++++	4.3	-1.4	-3.5	50 30	30		30	30	30
trans-1,2-Dichloroethene	0.3 -13.4	8.2	+++++	6.5	0.2	-1.8	50 30	30		30	30	30
Methyl tertiary butyl ether	6.1 -12.4	6.2	+++++	4.8	-2.2	-2.5	50 30	30		30	30	30
n-Hexane	-9.9 -9.2	8.5	+++++	5.7	3.4	1.5	50 30	30		30	30	30
1,1-Dichloroethane	1.8 -11.4	4.8	+++++	6.1	-0.7	-0.6	50 30	30		30	30	30
Isopropyl ether	2.7 -9.0	3.3	+++++	4.6	-1.0	-0.5	50 30	30		30	30	30
2-Chloro-1,3-butadiene	-0.8 -10.8	6.1	+++++	6.0	0.5	-1.0	50 30	30		30	30	30
Ethyl t-butyl ether	-0.5 -8.5	3.8	+++++	4.9	-0.4	0.6	50 30	30		30	30	30
2-Butanone	13.0 -1.9	-13.3	+++++	1.9	3.1	-2.9	50 30	30		30	30	30
cis-1,2-Dichloroethene	4.9 -13.2	6.7	+++++	5.1	-2.0	-1.4	50 30	30		30	30	30
2,2-Dichloropropane	-0.9 -10.2	5.1	+++++	5.7	0.4	0.0	50 30	30		30	30	30
Propionitrile	-3.9 5.8	-9.6	+++++	6.2	-3.7	5.1	50 30	30		30	30	30
Methacrylonitrile	1.1 -1.5	-2.4	+++++	1.2	-1.6	3.2	50 30	30		30	30	30
Tetrahydrofuran	-1.2 7.2	-12.0	+++++	6.9	-5.3	4.4	50 30	30		30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Bromochloromethane	6.9 -15.1	5.2	+++++	5.6	-0.9	-1.8	50 30	30		30	30	30
Chloroform	-0.5 -10.1	5.8	+++++	4.6	-0.2	0.3	50 30	30		30	30	30
1,1,1-Trichloroethane	-4.0 -7.2	4.3	+++++	5.4	0.6	0.9	50 30	30		30	30	30
Cyclohexane	-0.8 -10.7	10.6	+++++	3.4	-0.9	-1.5	50 30	30		30	30	30
Carbon tetrachloride	-11.8 -1.7	3.2	+++++	3.8	1.9	4.5	50 30	30		30	30	30
1,1-Dichloropropene	-11.0 -1.0	1.8	+++++	4.4	1.7	4.1	50 30	30		30	30	30
Isobutyl alcohol	12.2 1.3	-10.6	+++++	0.1	-5.1	2.2	50 30	30		30	30	30
Benzene	-7.2 -1.2	-0.6	+++++	4.1	0.5	4.3	50 30	30		30	30	30
1,2-Dichloroethane	4.9 -3.3	-0.6	+++++	-0.2	-2.3	1.5	50 30	30		30	30	30
t-Amyl methyl ether	2.2 -7.8	1.6	+++++	3.8	-1.1	1.3	50 30	30		30	30	30
n-Heptane	3.5 -7.1	9.4	+++++	-1.9	-3.1	-0.9	50 30	30		30	30	30
n-Butanol	-2.4 5.2	-13.8	+++++	2.9	0.5	7.6	50 30	30		30	30	30
Trichloroethene	-7.8 3.8	-1.9	+++++	0.5	0.4	5.0	50 30	30		30	30	30
Methylcyclohexane	-11.2 -7.1	9.2	+++++	3.9	3.0	2.2	50 30	30		30	30	30
1,2-Dichloropropane	0.3 2.2	-4.4	+++++	-0.9	-1.2	3.9	50 30	30		30	30	30
t-Amyl ethyl ether	-6.7 -3.7	2.8	+++++	4.0	1.0	2.7	50 30	30		30	30	30
1,4-Dioxane	-16.0 6.0	0.1	+++++	-2.7	2.5	10.0	50 30	30		30	30	30
Dibromomethane	1.1 0.5	-3.3	+++++	0.8	-2.1	3.0	50 30	30		30	30	30
Methyl methacrylate	-2.7 5.0	-3.5	+++++	0.5	-2.7	3.4	50 30	30		30	30	30
Bromodichloromethane	-13.8 13.0	-10.4	+++++	-0.5	1.4	10.3	50 30	30		30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
2-Nitropropane	34.3 +++++	-22.8	+++++	-8.8	-10.0	7.3	50	30		30	30	30
2-Chloroethyl vinyl ether	-2.2 5.7	-7.6	+++++	-2.9	3.6	3.4	50 30	30		30	30	30
cis-1,3-Dichloropropene	-14.3 16.3	-11.0	+++++	-0.6	1.3	8.3	50 30	30		30	30	30
4-Methyl-2-pentanone	-9.4 -1.4	-16.1	+++++	16.4	12.3	-1.8	50 30	30		30	30	30
Toluene	-4.0 1.4	-6.0	+++++	0.8	0.6	7.1	50 30	30		30	30	30
trans-1,3-Dichloropropene	-11.7 12.2	-15.0	+++++	0.4	2.2	11.9	50 30	30		30	30	30
Ethyl methacrylate	-3.3 -1.0	-4.9	+++++	2.3	0.7	6.1	50 30	30		30	30	30
1,1,2-Trichloroethane	-5.5 3.5	-9.7	+++++	3.6	0.0	8.0	50 30	30		30	30	30
Tetrachloroethene	-11.9 2.5	-1.3	+++++	1.2	2.0	7.5	50 30	30		30	30	30
1,3-Dichloropropane	-8.1 5.6	-6.7	+++++	3.0	-0.3	6.4	50 30	30		30	30	30
2-Hexanone	-11.6 -6.4	-15.2	+++++	20.0	16.4	-3.2	50 30	30		30	30	30
Dibromochloromethane	-18.5 20.1	-18.9	+++++	-2.2	2.3	17.2	50 30	30		30	30	30
1,2-Dibromoethane	-7.1 2.2	-5.2	+++++	2.9	0.5	6.7	50 30	30		30	30	30
Chlorobenzene	-3.6 -1.2	-3.3	+++++	2.0	1.0	5.1	50 30	30		30	30	30
1-Chlorohexane	-5.2 -5.8	-0.5	+++++	5.4	1.9	4.1	50 30	30		30	30	30
1,1,1,2-Tetrachloroethane	-16.6 1.9	-8.5	+++++	3.9	5.4	14.0	50 30	30		30	30	30
Ethylbenzene	-6.6 -8.6	0.3	+++++	5.2	2.6	7.1	50 30	30		30	30	30
m&p-Xylene	-5.9 -4.9	-2.0	+++++	5.1	1.9	5.7	50 30	30		30	30	30
o-Xylene	-6.6 -5.9	-0.7	+++++	5.1	1.4	6.7	50 30	30		30	30	30
Styrene	-6.0 -7.3	0.6	+++++	5.6	2.1	4.9	50 30	30		30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Bromoform	-20.6 15.5	-19.1	+++++	0.5	5.6	18.0	50 30	30		30	30	30
Isopropylbenzene	-8.9 -13.5	-0.3	+++++	6.4	5.8	10.6	50 30	30		30	30	30
Bromobenzene	-7.3 2.3	-2.4	+++++	3.8	-0.9	4.5	50 30	30		30	30	30
1,1,2,2-Tetrachloroethane	-7.9 3.8	-6.5	+++++	4.1	-0.3	6.8	50 30	30		30	30	30
trans-1,4-Dichloro-2-butene	-17.6 11.2	-13.3	+++++	3.3	2.7	13.7	50 30	30		30	30	30
1,2,3-Trichloropropane	-0.9 -2.5	-0.6	+++++	5.0	-3.3	2.4	50 30	30		30	30	30
N-Propylbenzene	-10.3 -15.4	0.5	+++++	6.9	6.7	11.6	50 30	30		30	30	30
2-Chlorotoluene	-10.0 5.2	-5.2	+++++	2.0	0.2	7.8	50 30	30		30	30	30
1,3,5-Trimethylbenzene	-14.7 -2.9	-4.1	+++++	5.2	4.1	12.4	50 30	30		30	30	30
4-Chlorotoluene	-6.8 0.0	-3.7	+++++	5.5	0.0	5.1	50 30	30		30	30	30
tert-Butylbenzene	-22.3 13.8	-12.8	+++++	1.4	4.7	15.3	50 30	30		30	30	30
1,2,4-Trimethylbenzene	-8.4 -4.6	-4.5	+++++	5.4	2.0	10.1	50 30	30		30	30	30
sec-Butylbenzene	-16.3 -8.6	-5.2	+++++	6.8	7.3	16.0	50 30	30		30	30	30
1,3-Dichlorobenzene	-7.2 1.1	-1.4	+++++	3.6	-0.2	4.1	50 30	30		30	30	30
p-Isopropyltoluene	-14.8 -6.8	-3.6	+++++	5.9	7.0	12.4	50 30	30		30	30	30
1,4-Dichlorobenzene	-5.2 0.3	-2.3	+++++	3.6	-0.3	3.9	50 30	30		30	30	30
1,2,3-Trimethylbenzene	-9.1 -7.1	-3.2	+++++	6.1	2.9	10.5	50 30	30		30	30	30
Benzyl chloride	+++++ 11.5	-25.5	+++++	-0.7	2.5	12.1	30	50		30	30	30
1,3-Diethylbenzene	-16.5 3.0	-3.3	+++++	3.6	4.9	8.3	50 30	30		30	30	30
1,4-Diethylbenzene	-12.2 0.6	-3.4	+++++	4.5	4.3	6.2	50 30	30		30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 627062

SDG No.:

Instrument ID: 15830 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2025 15:24 Calibration End Date: 04/07/2025 17:19 Calibration ID: 71472

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
n-Butylbenzene	-10.9 -0.6	-1.5	+++++	3.5	4.1	5.4	50 30	30		30	30	30
1,2-Dichlorobenzene	-0.2 -4.3	-2.1	+++++	4.2	-1.1	3.5	50 30	30		30	30	30
1,2-Diethylbenzene	-15.0 7.0	-6.4	+++++	2.7	1.7	10.0	50 30	30		30	30	30
1,2-Dibromo-3-Chloropropane	-14.3 15.0	-14.2	+++++	3.1	0.0	10.5	50 30	30		30	30	30
1,3,5-Trichlorobenzene	-4.7 2.0	-4.3	+++++	0.0	0.9	6.2	50 30	30		30	30	30
1,2,4-Trichlorobenzene	-3.2 -1.4	-2.4	+++++	1.9	-0.7	5.8	50 30	30		30	30	30
Hexachlorobutadiene	-17.3 10.5	-3.6	+++++	-1.3	2.7	9.1	50 30	30		30	30	30
Naphthalene	3.5 -27.8	2.5	+++++	8.7	4.1	9.1	50 30	30		30	30	30
1,2,3-Trichlorobenzene	-5.1 -1.4	-2.4	+++++	2.7	0.9	5.4	50 30	30		30	30	30
2-Methylnaphthalene	5.2 -4.8	-8.0	+++++	-1.9	2.7	6.7	50 30	30		30	30	30
Dibromofluoromethane (Surr)	5.0 -9.1	5.1	+++++	2.4	-0.3	-3.2	50 30	30		30	30	30
1,2-Dichloroethane-d4 (Surr)	0.6 -4.7	1.9	+++++	0.3	3.7	-1.8	50 30	30		30	30	30
Toluene-d8 (Surr)	-2.9 2.6	-4.0	+++++	-0.7	2.0	2.9	50 30	30		30	30	30
4-Bromofluorobenzene (Surr)	2.5 -7.9	3.6	+++++	2.8	1.5	-2.6	50 30	30		30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-Apr-2025 15:24:17 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v1
Misc. Info.: 410-0143206-004
Operator ID: knk41612 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 08-Apr-2025 09:23:34 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: JS6E Date: 07-Apr-2025 16:21:18

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Dichlorodifluoromethane	85	1.008	1.011	-0.003	30	9262	1.00	0.9384	
2	Chloromethane	50	1.117	1.117	0.000	98	12233	1.00	1.10	M
4	Vinyl chloride	62	1.179	1.175	0.004	81	9445	1.00	0.9766	
3	Butadiene	39	1.185	1.182	0.003	38	14260	1.00	1.26	M
5	Bromomethane	94	1.359	1.358	0.001	92	7514	1.00	1.10	
6	Chloroethane	64	1.381	1.371	0.010	64	6412	1.00	1.13	M
7	Pentane	43	1.513	1.519	-0.006	38	12445	1.00	1.25	M
8	Dichlorofluoromethane	67	1.545	1.542	0.003	96	17034	1.00	1.04	
9	Trichlorofluoromethane	101	1.561	1.558	0.003	94	11552	1.00	0.9240	M
10	1,2-Dichloro-1,1,2-trifluoroetha	67	1.722	1.728	-0.006	54	9119	1.00	1.08	
11	Acrolein	56	1.744	1.741	0.003	96	23728	9.76	8.35	
12	1,1-Dichloroethene	96	1.806	1.809	-0.003	63	5747	1.00	0.9744	
13	Acetone	58	1.876	1.844	0.032	84	4025	2.00	2.51	M
14	1,1,2-Trichloro-1,2,2-trifluoroe	101	1.870	1.863	0.007	27	6379	1.00	0.9266	M
15	Iodomethane	142	1.921	1.928	-0.007	85	12054	1.00	0.99	
16	Isopropyl alcohol	45	1.950	1.944	0.006	24	7660	5.00	5.55	M
17	Carbon disulfide	76	1.963	1.966	-0.003	97	21257	1.00	1.04	M
19	Methyl acetate	43	2.066	2.063	0.003	41	10291	1.00	1.11	M
18	3-Chloro-1-propene	41	2.066	2.066	0.000	84	12255	1.00	1.17	M
20	Methylene Chloride	84	2.172	2.175	-0.003	76	7598	1.00	1.05	
* 21	t-Butyl alcohol-d10 (IS)	65	2.294	2.275	0.019	64	874595	250.0	250.0	
22	2-Methyl-2-propanol	59	2.333	2.336	-0.003	71	17338	5.00	5.01	
23	Acrylonitrile	53	2.355	2.352	0.003	39	13525	2.50	2.65	M
24	trans-1,2-Dichloroethene	96	2.375	2.374	0.001	98	6738	1.00	1.00	
25	Methyl tert-butyl ether	73	2.391	2.403	-0.012	47	23225	1.00	1.06	M
26	Hexane	57	2.593	2.593	0.000	70	6962	1.00	0.9007	M
27	1,1-Dichloroethane	63	2.722	2.718	0.004	94	11899	1.00	1.02	
28	Isopropyl ether	45	2.760	2.767	-0.007	86	19759	1.00	1.03	M
29	2-Chloro-1,3-butadiene	53	2.780	2.773	0.007	89	10316	1.00	0.99	M
30	Tert-butyl ethyl ether	59	3.053	3.053	0.000	95	21166	1.00	1.00	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 2-Butanone (MEK)	43	3.146	3.136	0.010	40	14219	2.00	2.26	M
32 cis-1,2-Dichloroethene	96	3.169	3.169	0.000	80	8127	1.00	1.05	
33 2,2-Dichloropropane	77	3.195	3.191	0.004	49	10897	1.00	0.99	M
34 Propionitrile	54	3.188	3.220	-0.032	89	12383	5.00	4.81	M
35 Methacrylonitrile	67	3.307	3.336	-0.029	87	10668	2.50	2.53	M
37 Tetrahydrofuran	71	3.336	3.336	0.000	90	11402	5.00	4.94	M
36 Chlorobromomethane	128	3.352	3.352	0.000	91	3960	1.00	1.07	
39 Chloroform	83	3.449	3.448	0.001	93	11572	1.00	1.00	
$ 40 Dibromofluoromethane (Surr)	113	3.574	3.571	0.003	93	352633	50.0	52.5	
41 1,1,1-Trichloroethane	97	3.574	3.574	0.000	80	10164	1.00	0.9596	M
42 Cyclohexane	56	3.629	3.625	0.004	89	11933	1.00	0.99	M
43 1,1-Dichloropropene	75	3.696	3.690	0.006	93	7729	1.00	0.8905	
44 Carbon tetrachloride	117	3.680	3.696	-0.016	87	7484	1.00	0.8823	
45 Isobutyl alcohol	41	3.809	3.808	0.001	38	11878	12.5	14.0	M
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.838	3.831	0.007	84	80973	50.0	50.3	
47 Benzene	78	3.841	3.847	-0.006	93	23090	1.00	0.9276	
48 1,2-Dichloroethane	62	3.892	3.902	-0.010	87	8801	1.00	1.05	
49 Tert-amyl methyl ether	73	3.973	3.979	-0.006	97	21114	1.00	1.02	
* 50 Fluorobenzene (IS)	96	4.079	4.098	-0.019	99	1194434	50.0	50.0	
51 n-Heptane	43	4.104	4.104	0.000	37	6266	1.00	1.04	
52 n-Butanol	56	4.362	4.355	0.007	27	8703	12.5	12.2	M
53 Trichloroethene	95	4.378	4.394	-0.016	96	5721	1.00	0.9219	M
54 Methylcyclohexane	83	4.574	4.583	-0.009	90	10505	1.00	0.8883	
55 1,2-Dichloropropane	63	4.596	4.596	0.000	68	5732	1.00	1.00	
56 2-ethoxy-2-methyl butane	87	4.635	4.625	0.010	91	9735	1.00	0.9326	
57 1,4-Dioxane	88	4.648	4.657	-0.009	27	1886	12.5	10.5	M
58 Methyl methacrylate	69	4.674	4.670	0.004	91	5047	1.00	0.9732	
59 Dibromomethane	93	4.670	4.673	-0.003	55	3952	1.00	1.01	
60 Dichlorobromomethane	83	4.822	4.831	-0.009	94	5809	1.00	0.8619	
61 2-Nitropropane	41	5.014	5.011	0.003	94	11033	5.00	6.71	
62 2-Chloroethyl vinyl ether	63	5.082	5.082	0.000	90	3566	1.00	0.9782	
63 cis-1,3-Dichloropropene	75	5.198	5.197	0.001	92	6726	1.00	0.8567	
64 4-Methyl-2-pentanone (MIBK)	43	5.339	5.339	0.000	96	19734	2.00	1.81	
$ 65 Toluene-d8 (Surr)	98	5.416	5.416	0.000	93	1056504	50.0	48.6	
66 Toluene	92	5.471	5.474	-0.003	99	13548	1.00	0.9603	
67 trans-1,3-Dichloropropene	75	5.680	5.680	0.000	93	6197	1.00	0.8829	
68 Ethyl methacrylate	69	5.744	5.741	0.003	89	8403	1.00	0.9674	
69 1,1,2-Trichloroethane	97	5.825	5.824	0.001	90	4426	1.00	0.9450	
70 Tetrachloroethene	166	5.870	5.873	-0.003	92	5211	1.00	0.8812	
71 1,3-Dichloropropane	76	5.940	5.937	0.003	92	7198	1.00	0.9194	
72 2-Hexanone	43	6.002	5.995	0.007	94	14431	2.00	1.77	
73 Chlorodibromomethane	129	6.088	6.091	-0.003	85	3796	1.00	0.8151	
S 74 1,2-Dichloroethene, Total	100				0			2.05	
75 Ethylene Dibromide	107	6.159	6.159	0.000	97	4775	1.00	0.9288	
* 76 Chlorobenzene-d5 (IS)	117	6.481	6.480	0.001	85	818980	50.0	50.0	
77 Chlorobenzene	112	6.497	6.500	-0.003	96	14644	1.00	0.9635	
78 1-Chlorohexane	91	6.510	6.506	0.004	90	7141	1.00	0.9477	
79 1,1,1,2-Tetrachloroethane	131	6.571	6.567	0.004	43	4949	1.00	0.8342	
80 Ethylbenzene	91	6.574	6.570	0.004	98	26496	1.00	0.9342	
81 m-Xylene & p-Xylene	106	6.657	6.657	0.000	100	20870	2.00	1.88	
82 o-Xylene	106	6.892	6.895	-0.003	96	11002	1.00	0.9340	
83 Styrene	104	6.905	6.908	-0.003	94	16232	1.00	0.9405	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Bromoform	173	7.011	7.008	0.003	90	2613	1.00	0.7945	
85 Isopropylbenzene	105	7.117	7.120	-0.003	96	25642	1.00	0.9109	
$ 86 4-Bromofluorobenzene (Surr)	95	7.217	7.217	0.000	87	451380	50.0	51.3	
87 Bromobenzene	156	7.294	7.291	0.003	92	6327	1.00	0.9272	
88 1,1,2,2-Tetrachloroethane	83	7.304	7.307	-0.003	96	9257	1.00	0.9211	
89 trans-1,4-Dichloro-2-butene	53	7.326	7.326	0.000	84	6196	2.50	2.06	
90 1,2,3-Trichloropropane	110	7.333	7.332	0.001	86	3302	1.00	0.99	
91 N-Propylbenzene	91	7.362	7.361	0.001	98	31739	1.00	0.8971	
92 2-Chlorotoluene	126	7.403	7.406	-0.003	96	6703	1.00	0.9004	
93 1,3,5-Trimethylbenzene	105	7.464	7.464	0.000	95	22675	1.00	0.8526	
94 4-Chlorotoluene	126	7.477	7.474	0.003	98	6556	1.00	0.9319	
95 tert-Butylbenzene	134	7.638	7.638	0.000	93	4163	1.00	0.7770	
96 1,2,4-Trimethylbenzene	105	7.670	7.670	0.000	97	24537	1.00	0.9160	
97 sec-Butylbenzene	105	7.760	7.760	0.000	94	26491	1.00	0.8366	
98 1,3-Dichlorobenzene	146	7.818	7.818	0.000	96	12407	1.00	0.9284	
99 4-Isopropyltoluene	119	7.844	7.844	0.000	95	23636	1.00	0.8520	
* 100 1,4-Dichlorobenzene-d4	152	7.863	7.863	0.000	96	517834	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.873	7.876	-0.003	91	12740	1.00	0.9479	
102 1,2,3-Trimethylbenzene	105	7.889	7.892	-0.003	98	25380	1.00	0.9086	
103 Benzyl chloride	91	7.937	7.937	0.000	98	12812	1.00	0.6475	
104 1,3-Diethylbenzene	119	7.995	7.995	0.000	94	13326	1.00	0.8346	
105 p-Diethylbenzene	119	8.046	8.046	0.000	93	14710	1.00	0.8781	
106 n-Butylbenzene	92	8.059	8.059	0.000	97	11831	1.00	0.8914	
107 1,2-Dichlorobenzene	146	8.066	8.066	0.000	97	13672	1.00	1.00	
108 o-diethylbenzene	119	8.098	8.098	0.000	94	11519	1.00	0.8500	
109 1,2-Dibromo-3-Chloropropane	75	8.471	8.471	0.000	81	3099	1.00	0.8567	
110 1,3,5-Trichlorobenzene	180	8.567	8.567	0.000	94	9235	1.00	0.9529	
111 1,2,4-Trichlorobenzene	180	8.882	8.882	0.000	94	9399	1.00	0.9681	
112 Hexachlorobutadiene	225	8.956	8.956	0.000	93	2694	1.00	0.8270	
113 Naphthalene	128	9.014	9.014	0.000	97	42739	1.00	1.03	
114 1,2,3-Trichlorobenzene	180	9.124	9.123	0.001	94	9194	1.00	0.9493	
115 2-Methylnaphthalene	142	9.567	9.567	0.000	93	22535	1.00	1.05	
S 139 1,3-Dichloropropene, Total	100				0			1.74	
S 140 Xylenes, Total	106				0			2.82	
S 141 Total Diethylbenzene	1				0			2.56	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_4ppb_00012	Amount Added: 12.50	Units: mL	
MSV_Cent_ISSS_00032	Amount Added: 5.00	Units: uL	Run Reagent

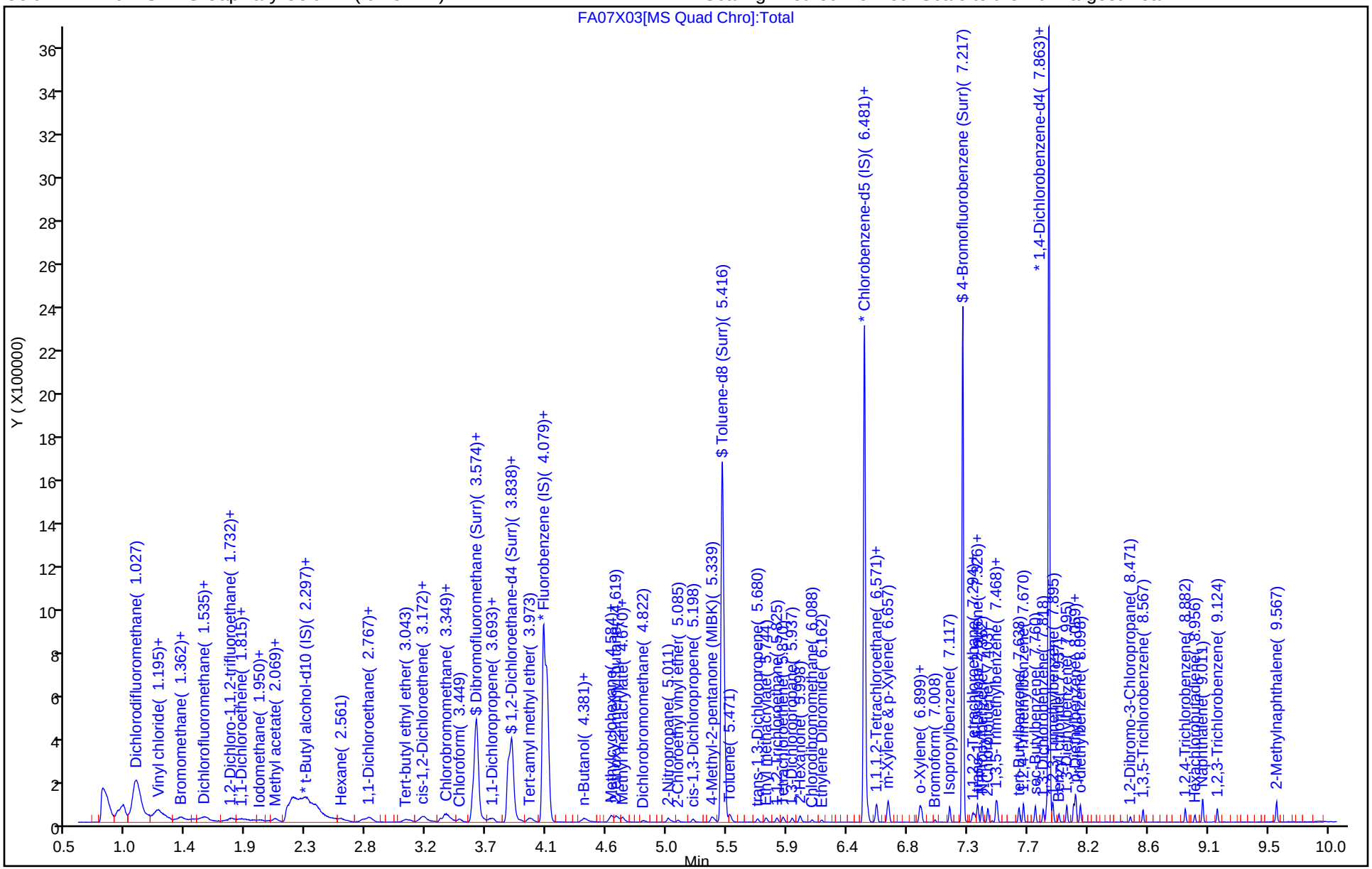
Report Date: 08-Apr-2025 09:23:35 Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D

Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	IC v1			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	53
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

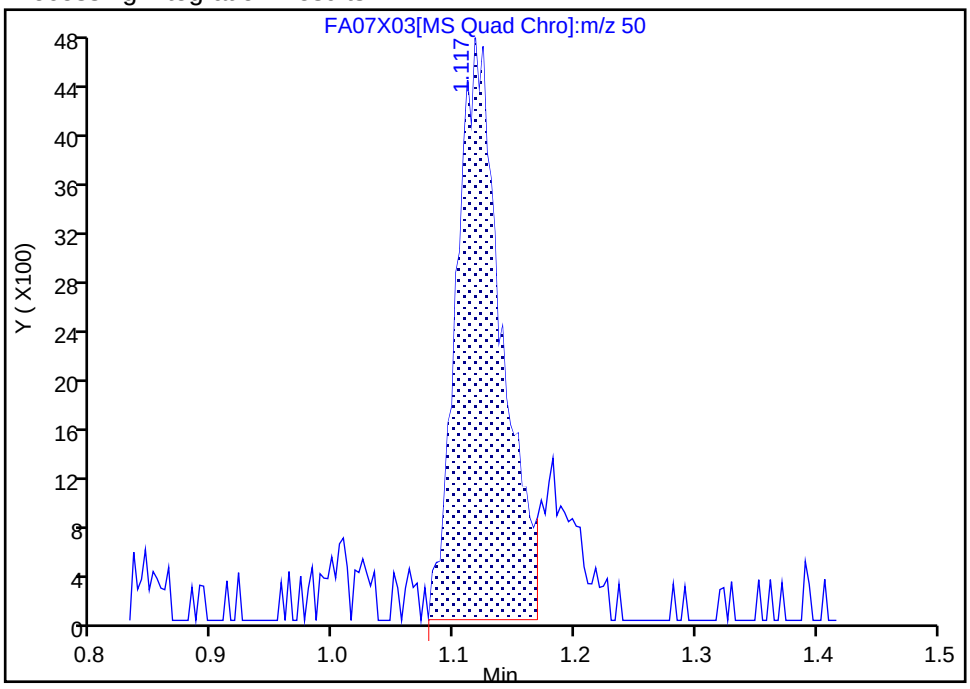
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Chloromethane, CAS: 74-87-3

Signal: 1

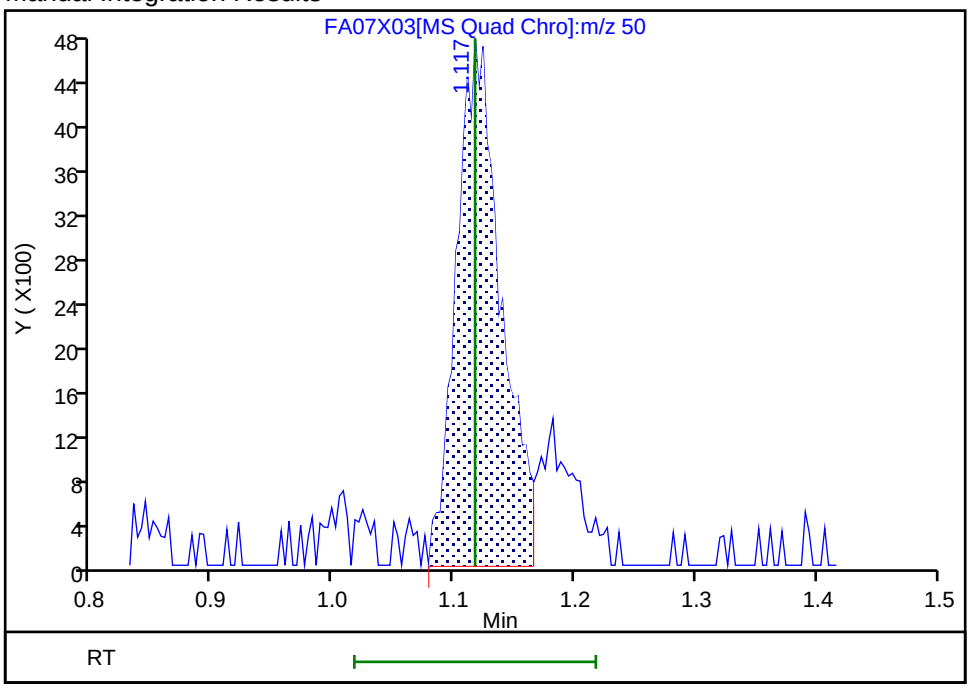
Processing Integration Results

RT: 1.12
Area: 12396
Amount: 0.987231
Amount Units: ug/l



Manual Integration Results

RT: 1.12
Area: 12233
Amount: 1.100248
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:36:10 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

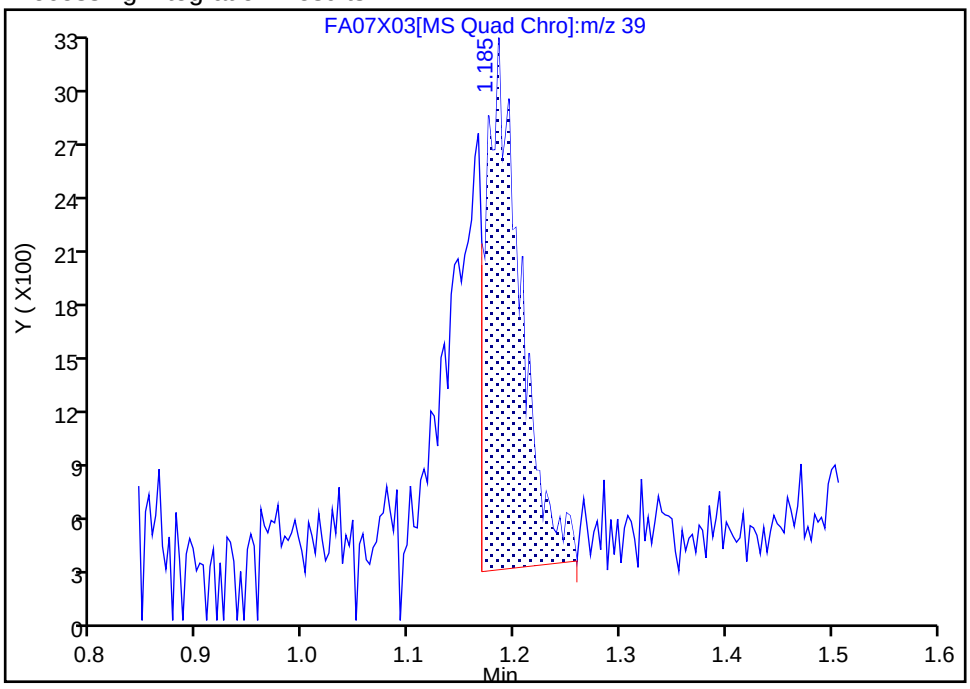
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D
Injection Date: 07-Apr-2025 15:24:17 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

3 Butadiene, CAS: 106-99-0

Signal: 1

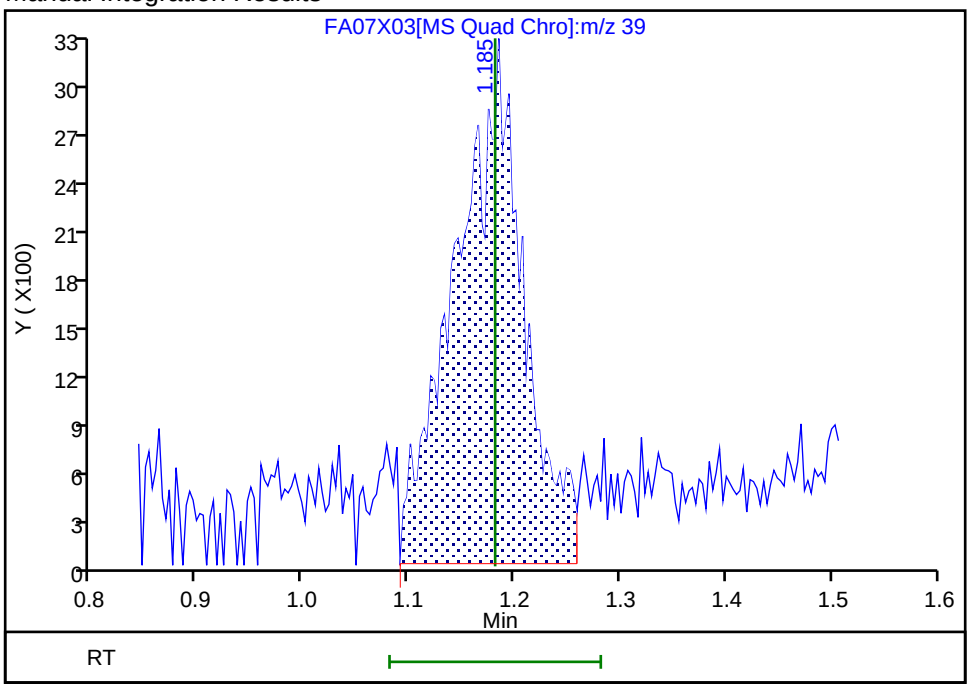
Processing Integration Results

RT: 1.18
Area: 6530
Amount: 0.600171
Amount Units: ug/l



Manual Integration Results

RT: 1.18
Area: 14260
Amount: 1.258865
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:36:31 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

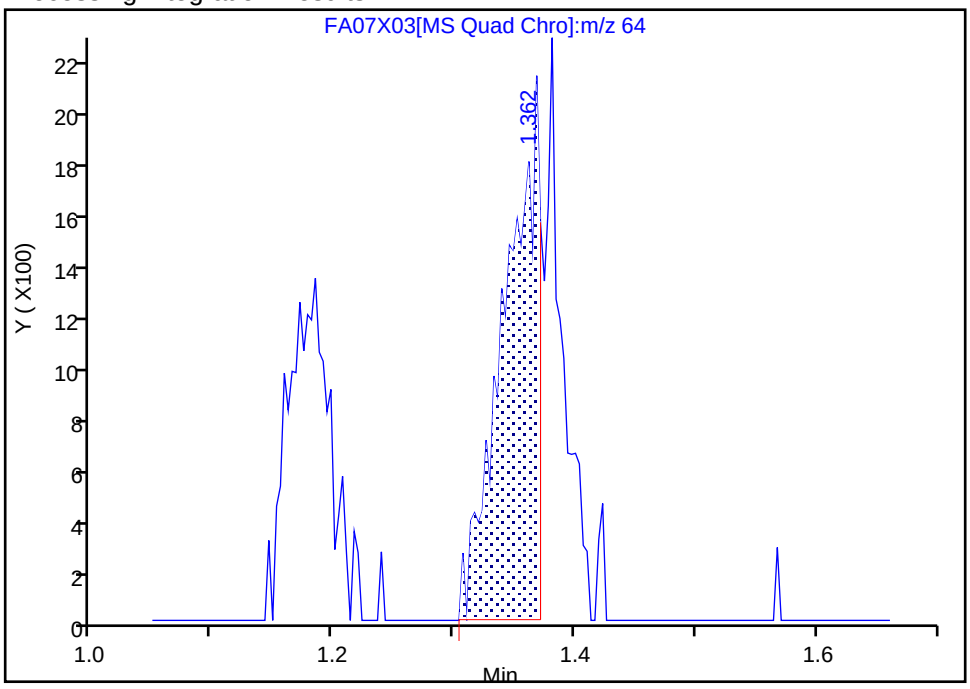
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

6 Chloroethane, CAS: 75-00-3

Signal: 1

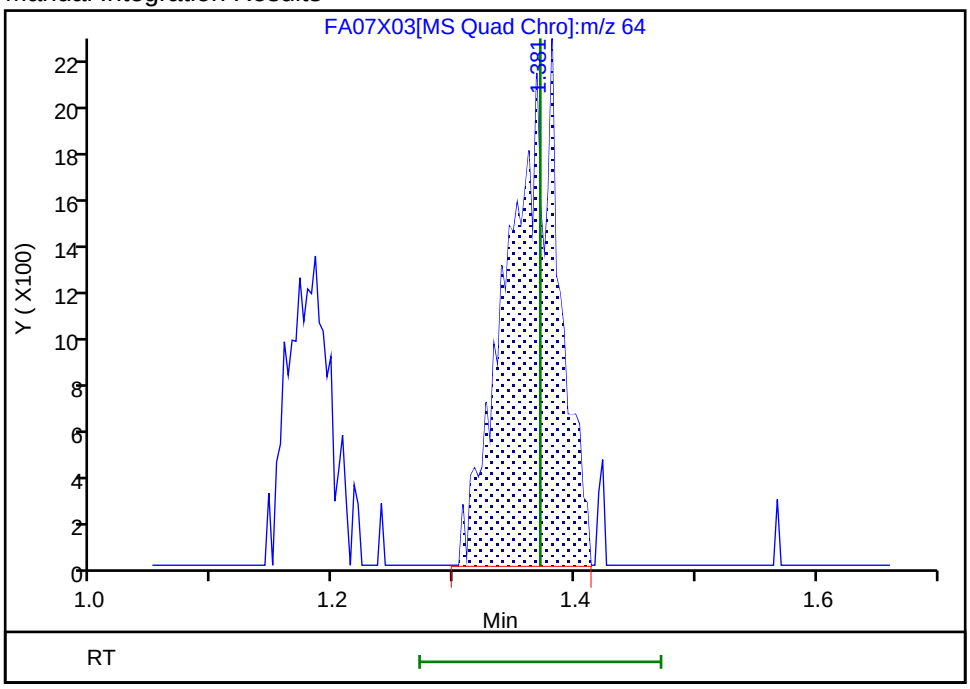
Processing Integration Results

RT: 1.36
Area: 4157
Amount: 0.729974
Amount Units: ug/l



Manual Integration Results

RT: 1.38
Area: 6412
Amount: 1.126238
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:36:40 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

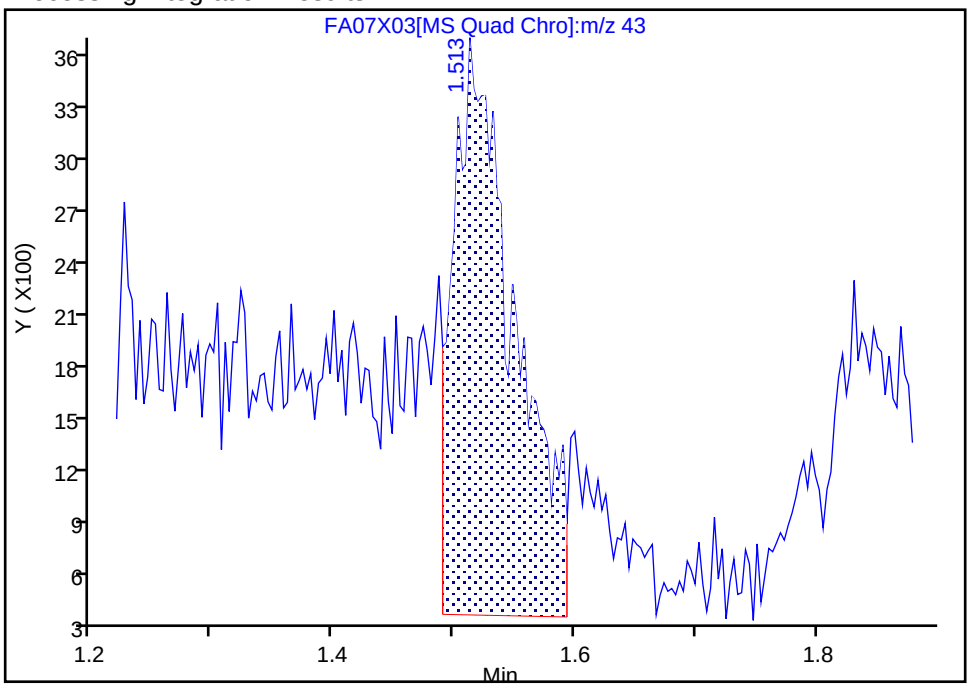
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D
Injection Date: 07-Apr-2025 15:24:17 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

7 Pentane, CAS: 109-66-0

Signal: 1

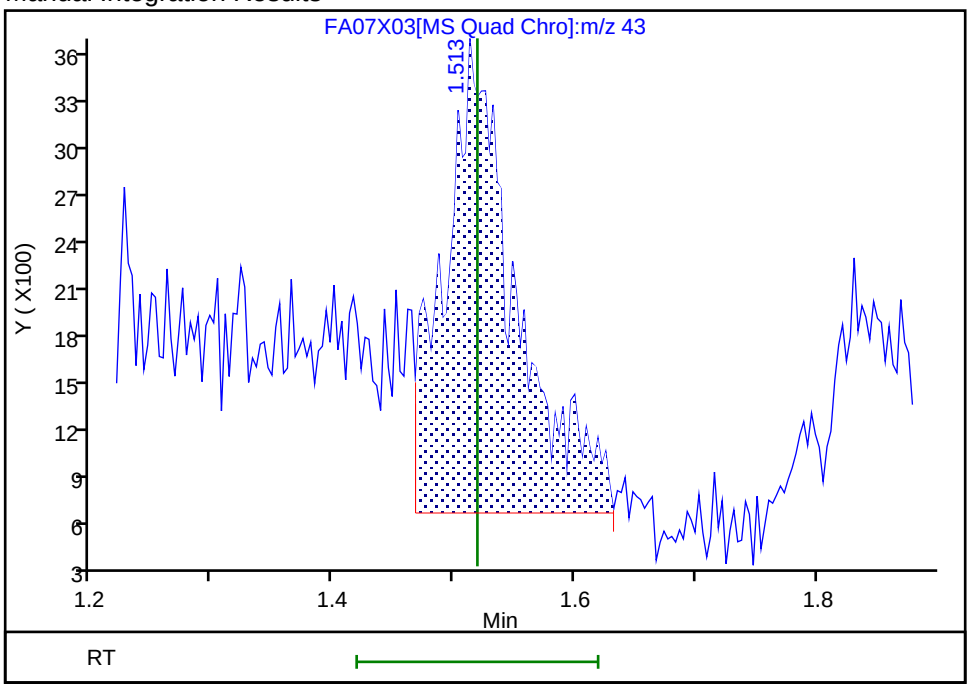
Processing Integration Results

RT: 1.51
Area: 11678
Amount: 1.502767
Amount Units: ug/l



Manual Integration Results

RT: 1.51
Area: 12445
Amount: 1.253864
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:37:43 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

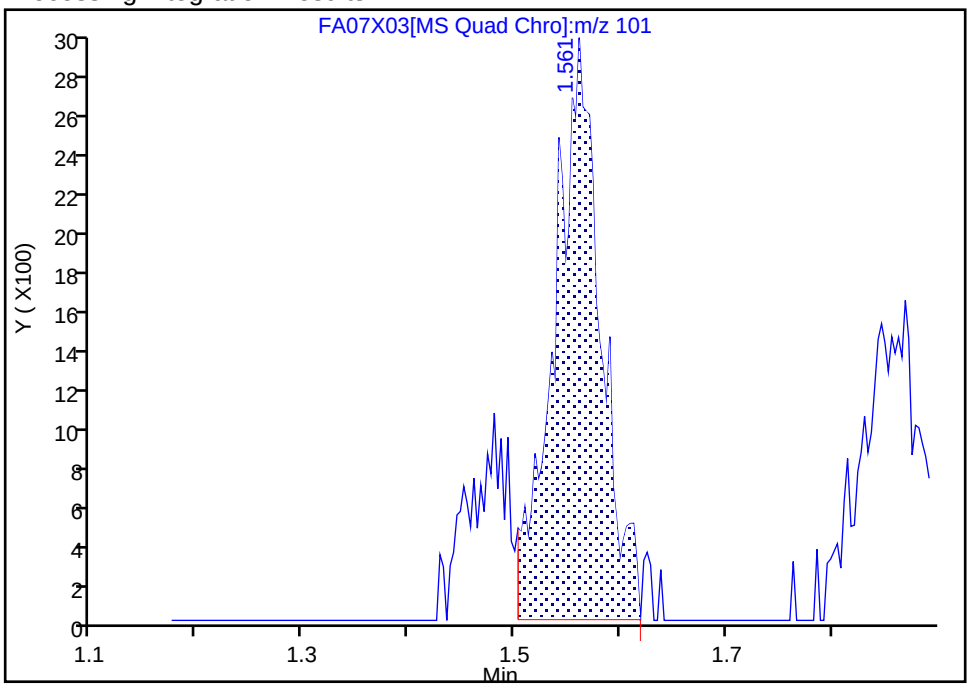
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D
Injection Date: 07-Apr-2025 15:24:17 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

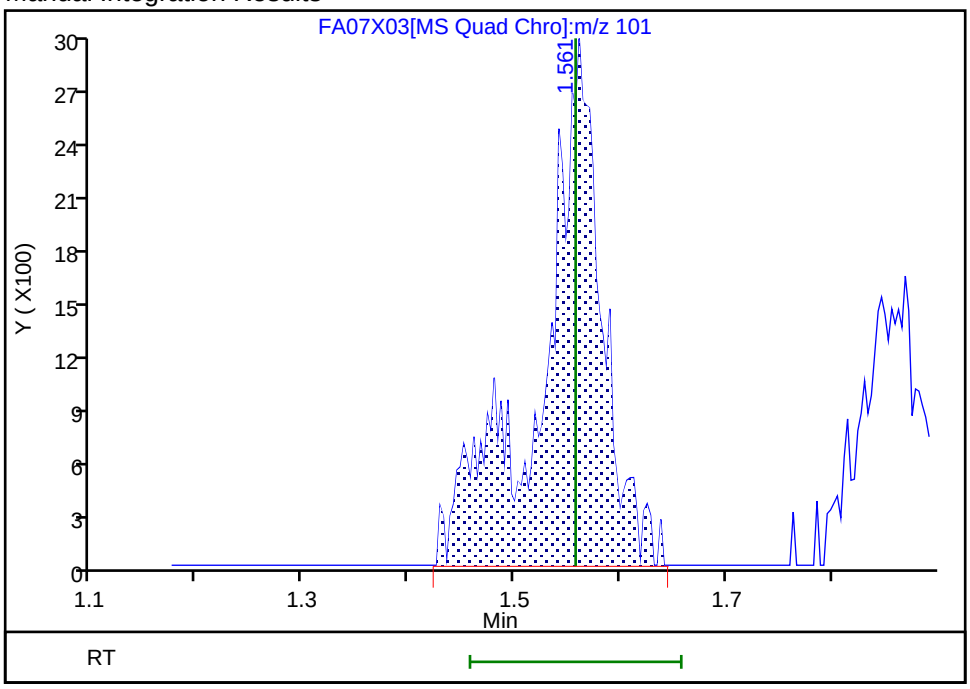
Processing Integration Results

RT: 1.56
Area: 8865
Amount: 0.982549
Amount Units: ug/l



Manual Integration Results

RT: 1.56
Area: 11552
Amount: 0.923952
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:38:40 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

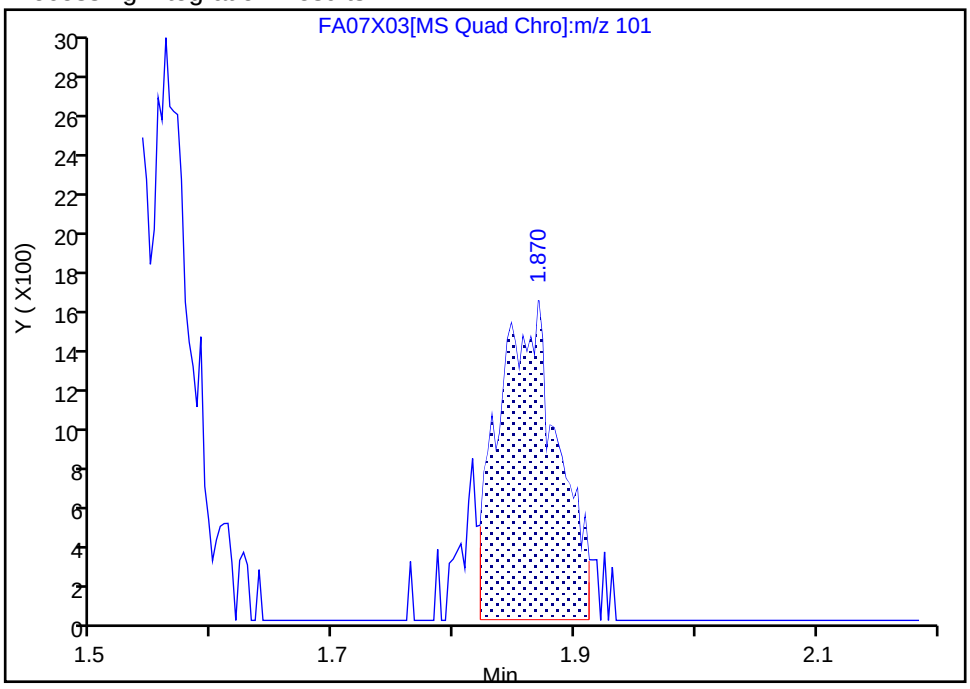
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

14 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

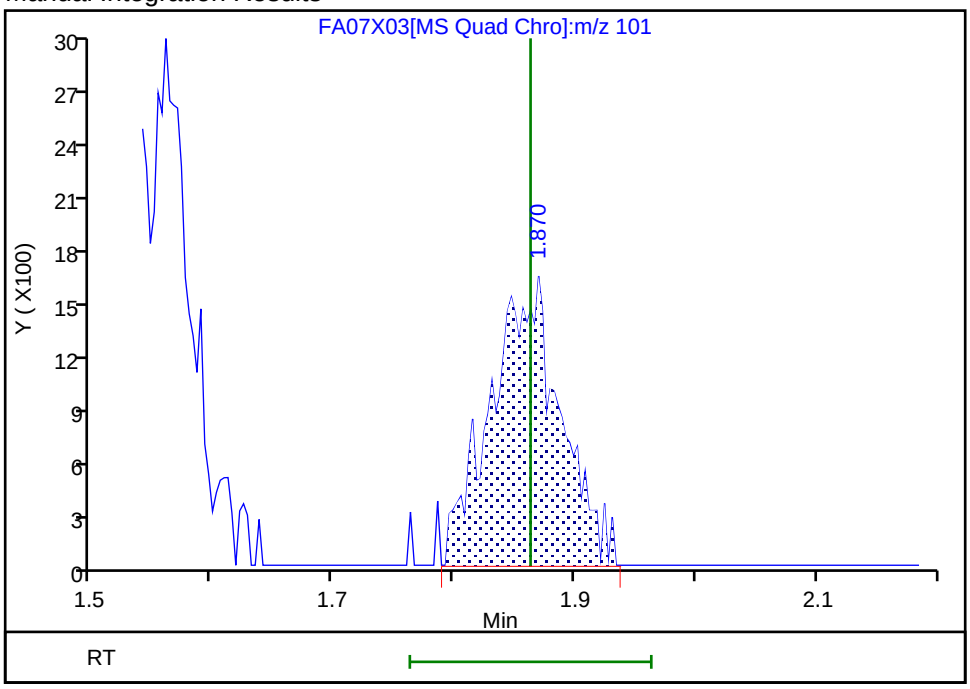
Processing Integration Results

RT: 1.87
Area: 5476
Amount: 0.830058
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 6379
Amount: 0.926644
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:39:02 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

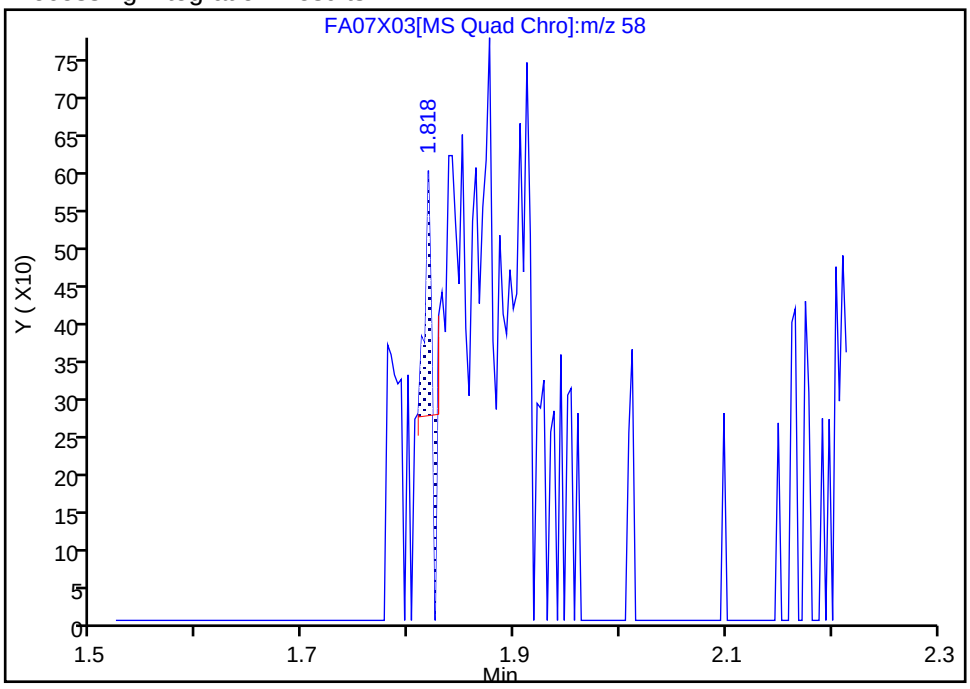
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

13 Acetone, CAS: 67-64-1

Signal: 1

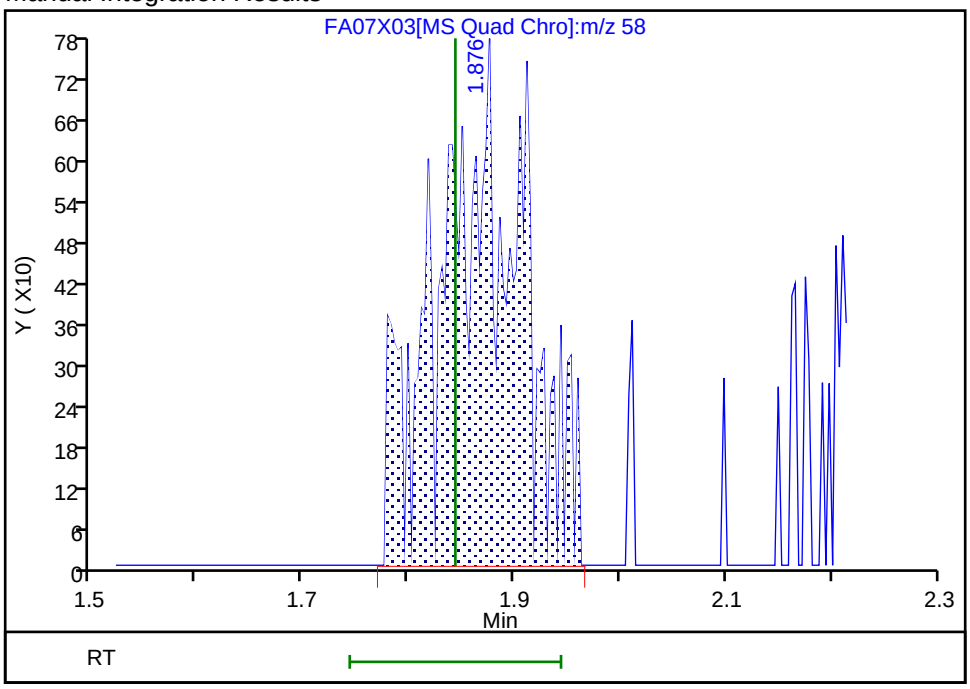
Processing Integration Results

RT: 1.82
Area: 95
Amount: 0.073482
Amount Units: ug/l



Manual Integration Results

RT: 1.88
Area: 4025
Amount: 2.511416
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:38:55 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

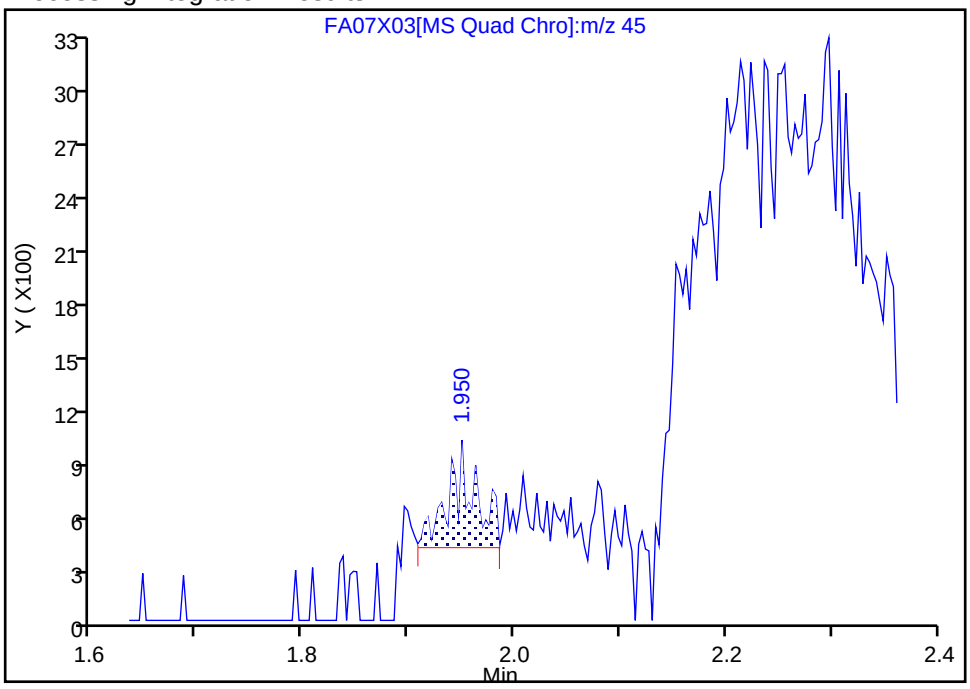
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

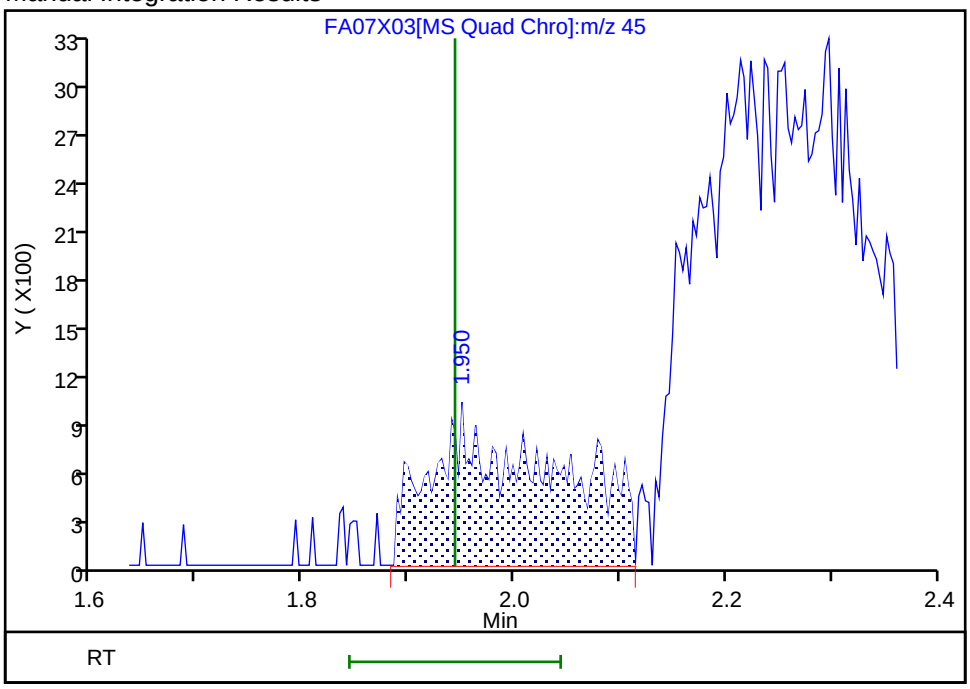
Processing Integration Results

RT: 1.95
Area: 981
Amount: 1.138455
Amount Units: ug/l



Manual Integration Results

RT: 1.95
Area: 7660
Amount: 5.553051
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:39:10 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

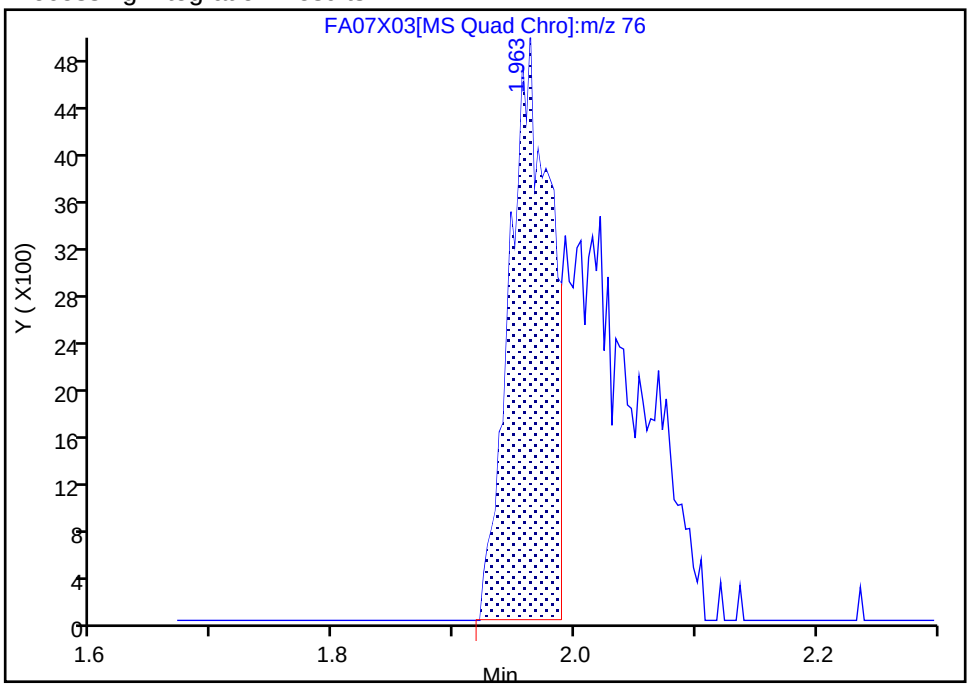
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

17 Carbon disulfide, CAS: 75-15-0

Signal: 1

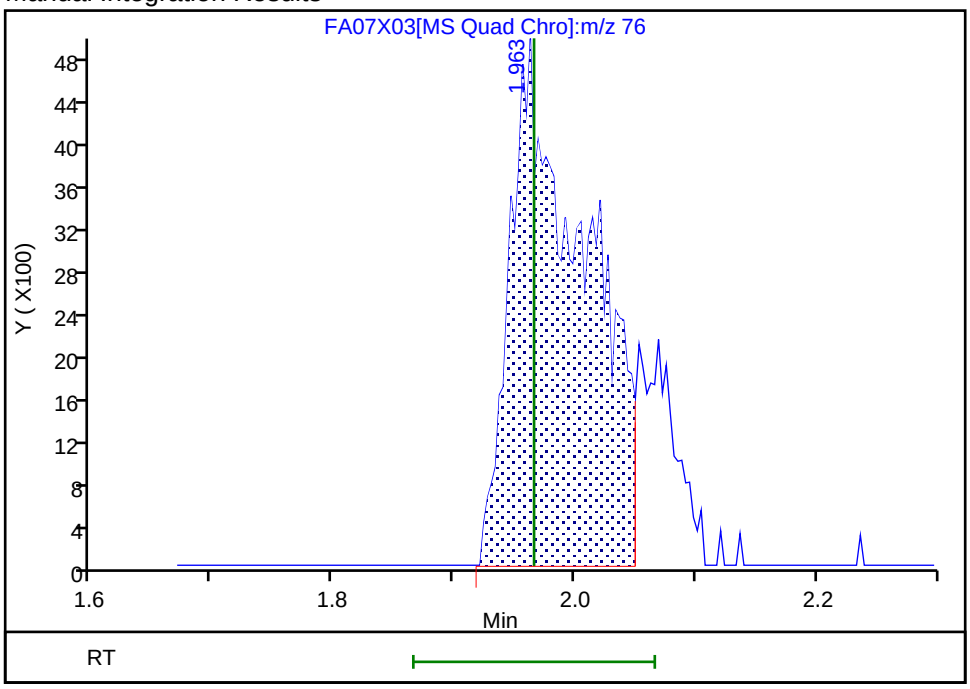
Processing Integration Results

RT: 1.96
Area: 11721
Amount: 0.682398
Amount Units: ug/l



Manual Integration Results

RT: 1.96
Area: 21257
Amount: 1.040188
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:39:19 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

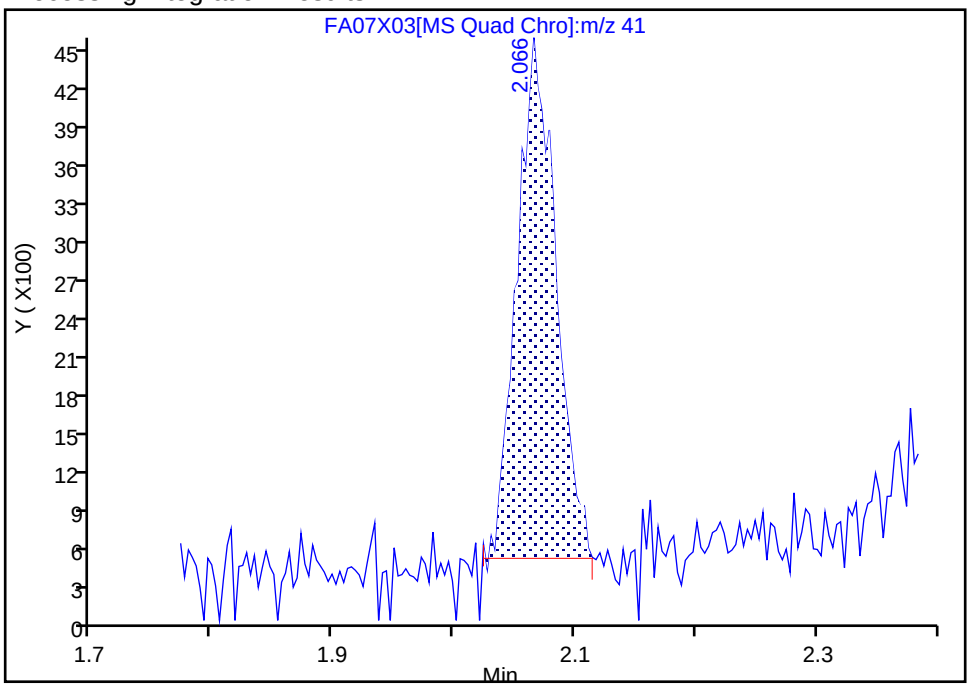
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

18 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

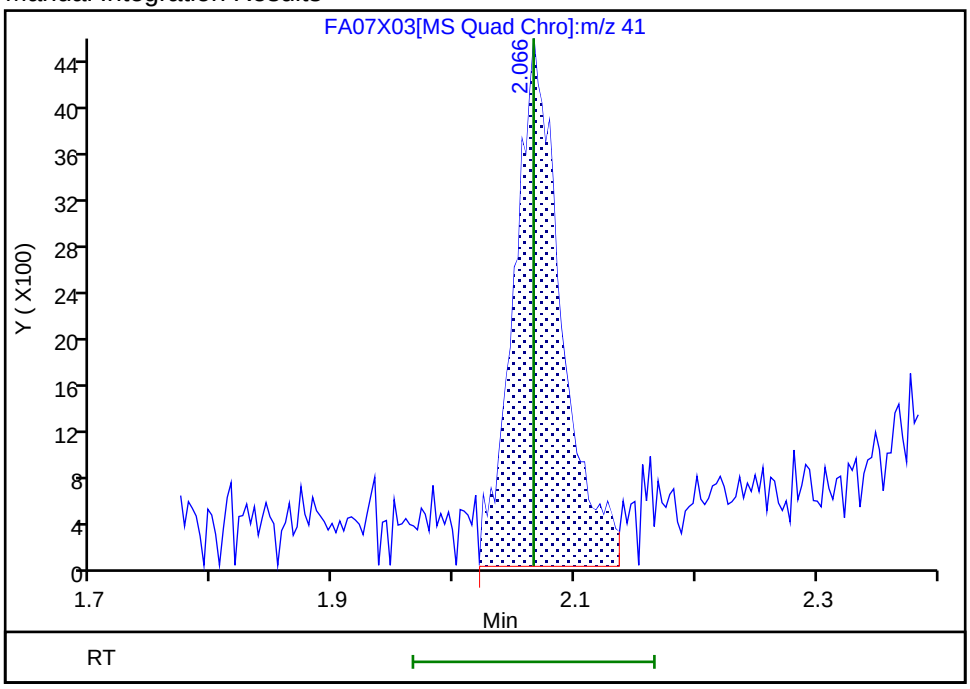
Processing Integration Results

RT: 2.07
Area: 8931
Amount: 0.911822
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 12255
Amount: 1.168380
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:39:59 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

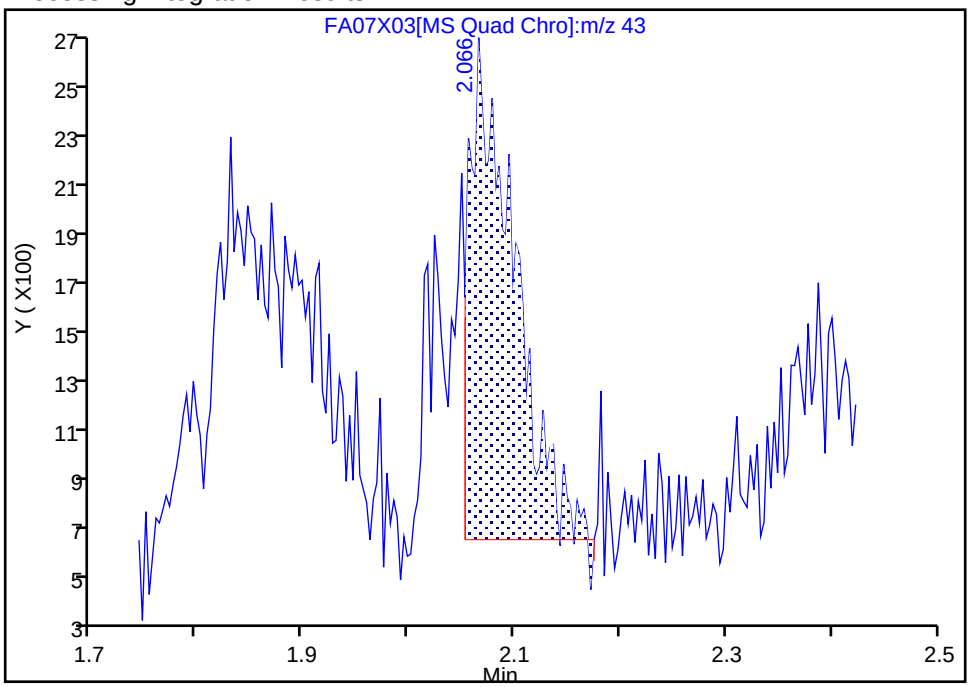
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D
Injection Date: 07-Apr-2025 15:24:17 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

19 Methyl acetate, CAS: 79-20-9

Signal: 1

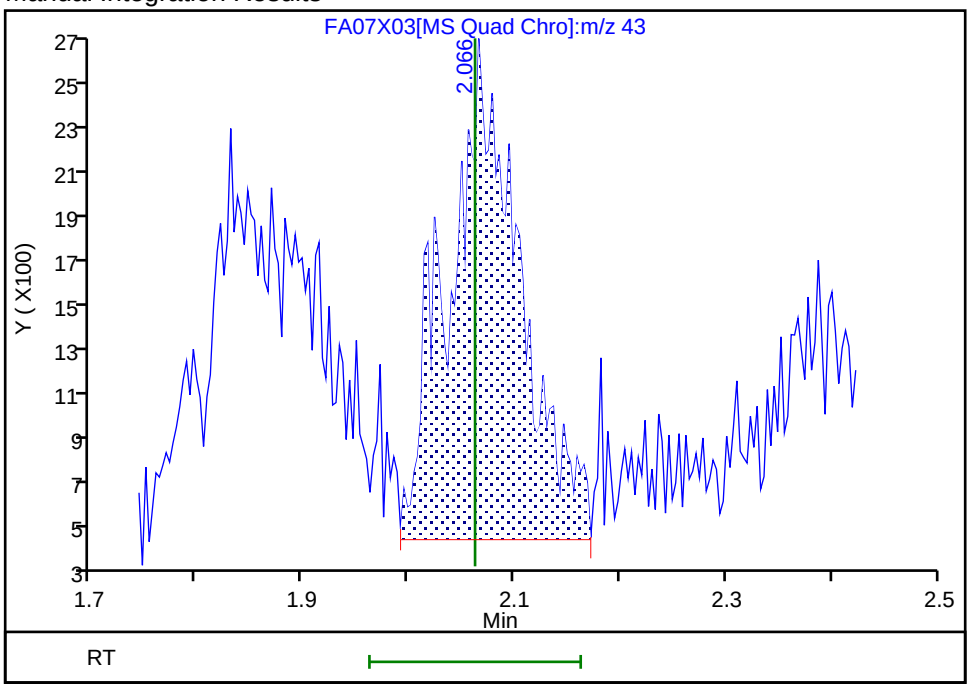
Processing Integration Results

RT: 2.07
Area: 5782
Amount: 0.679546
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 10291
Amount: 1.111836
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:39:37 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

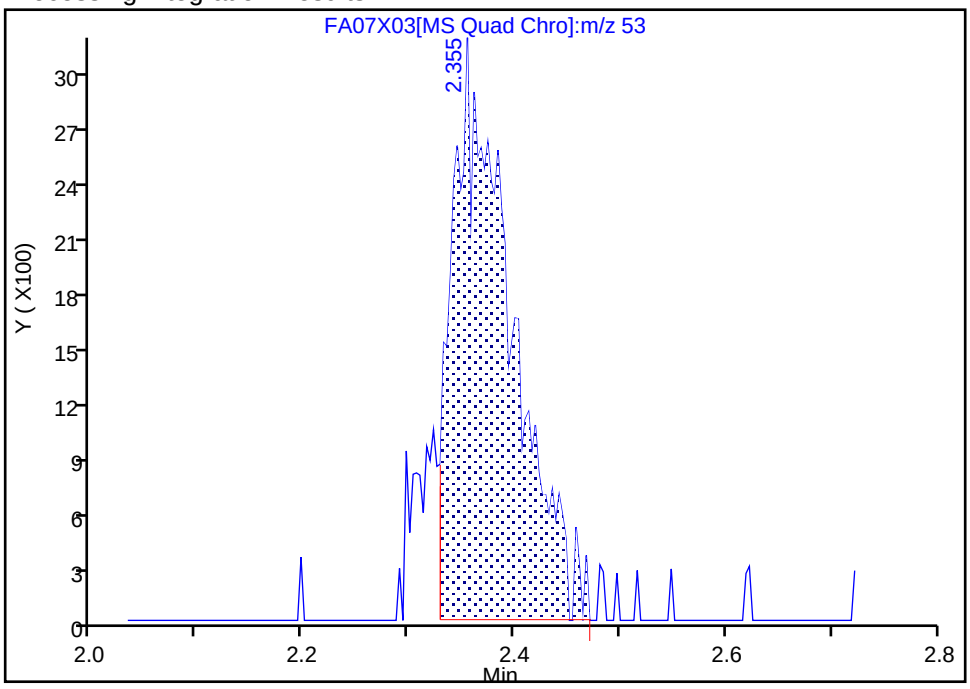
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D
Injection Date: 07-Apr-2025 15:24:17 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 Acrylonitrile, CAS: 107-13-1

Signal: 1

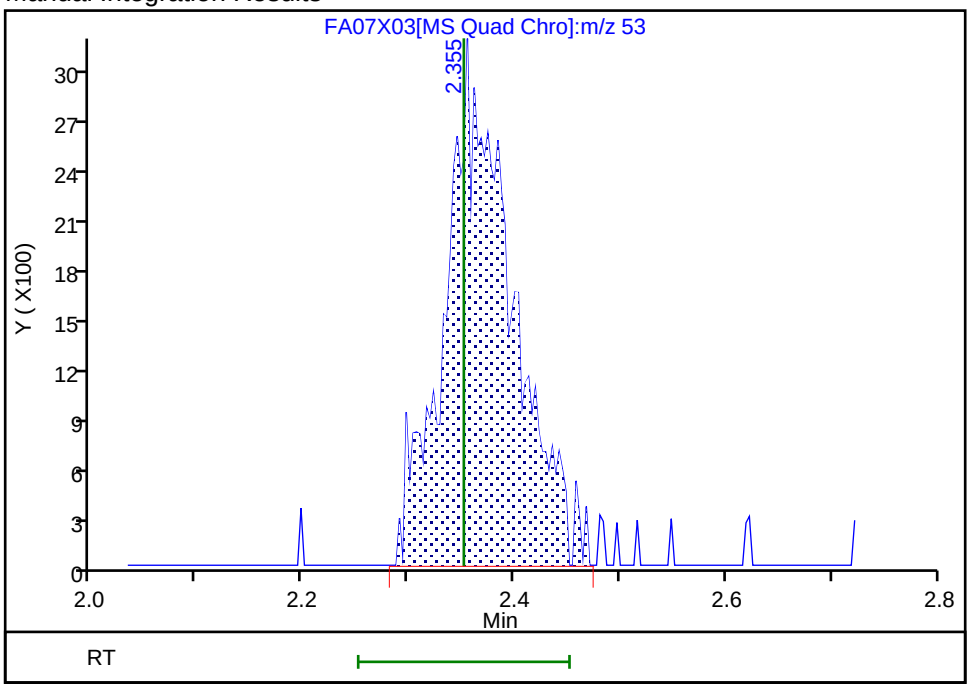
Processing Integration Results

RT: 2.36
Area: 11949
Amount: 2.374147
Amount Units: ug/l



Manual Integration Results

RT: 2.36
Area: 13525
Amount: 2.651237
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:40:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

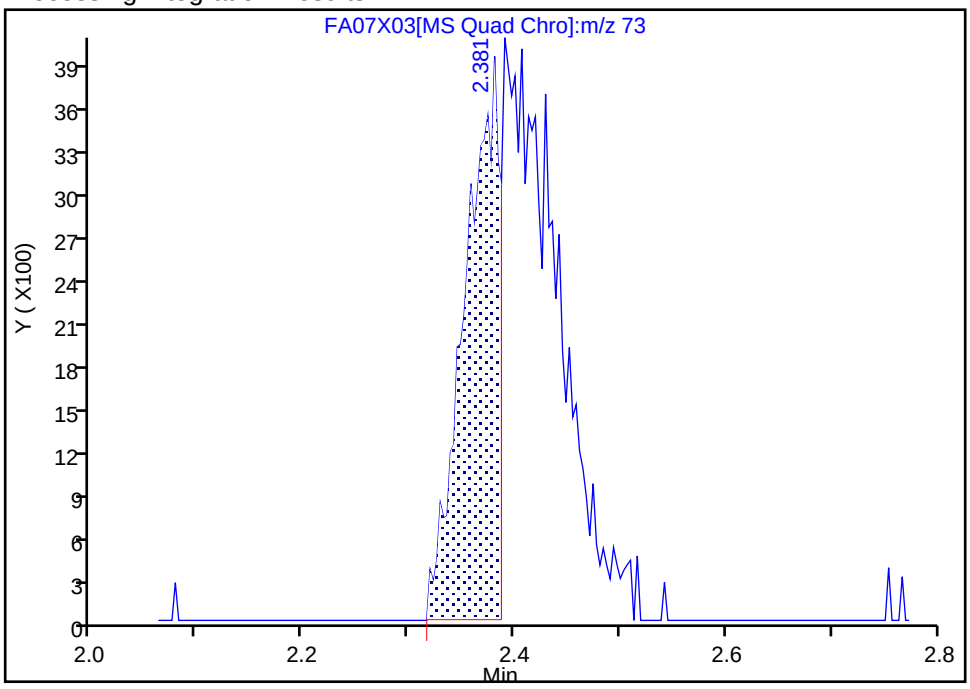
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

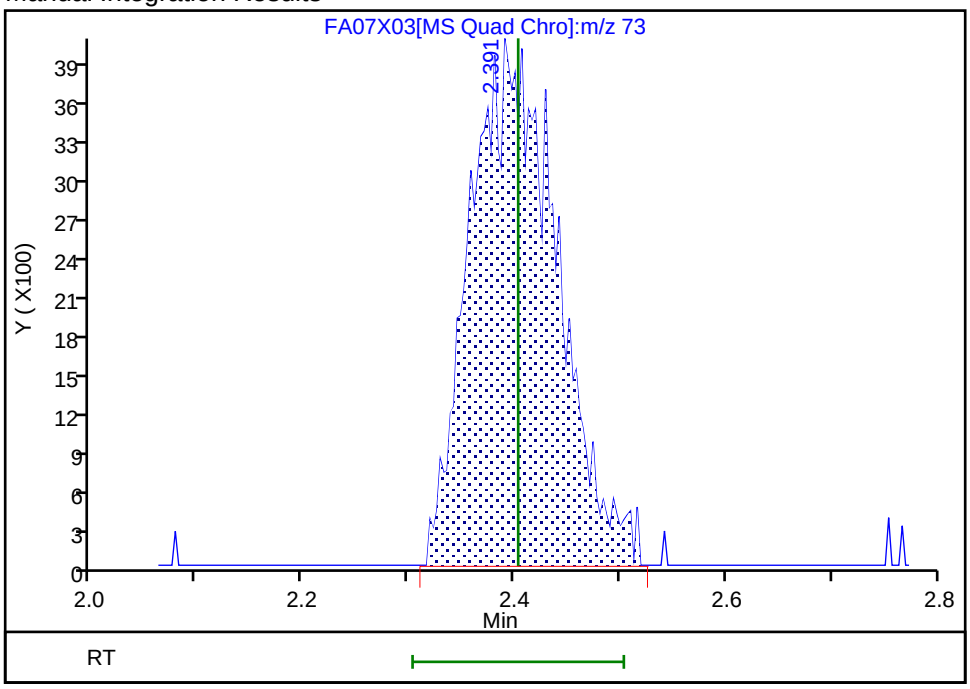
Processing Integration Results

RT: 2.38
Area: 9005
Amount: 0.830616
Amount Units: ug/l



Manual Integration Results

RT: 2.39
Area: 23225
Amount: 1.061237
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:40:17 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

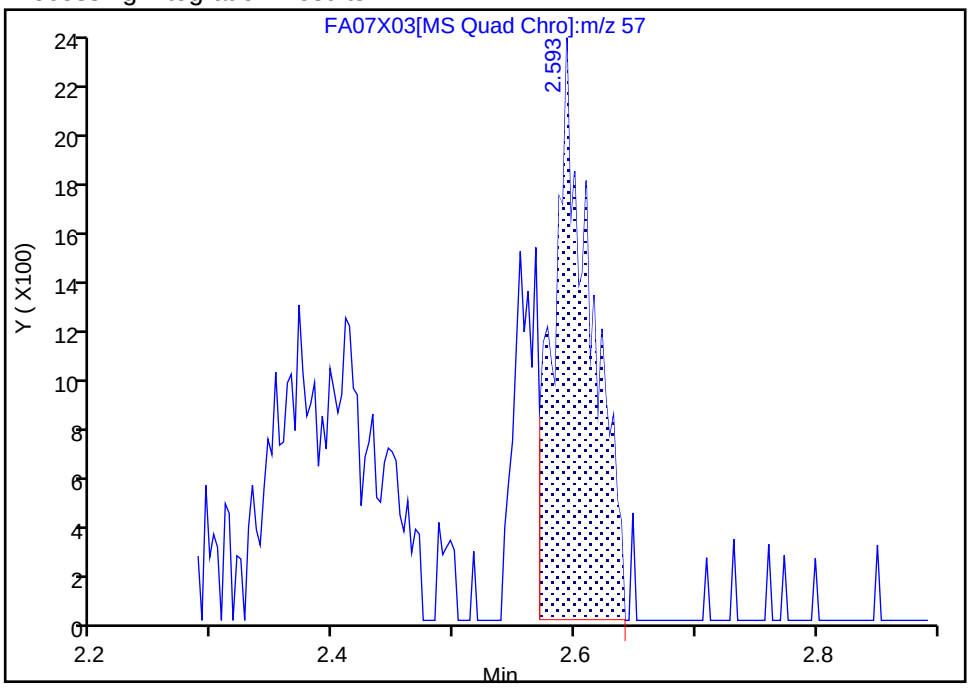
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D
Injection Date: 07-Apr-2025 15:24:17 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 Hexane, CAS: 110-54-3

Signal: 1

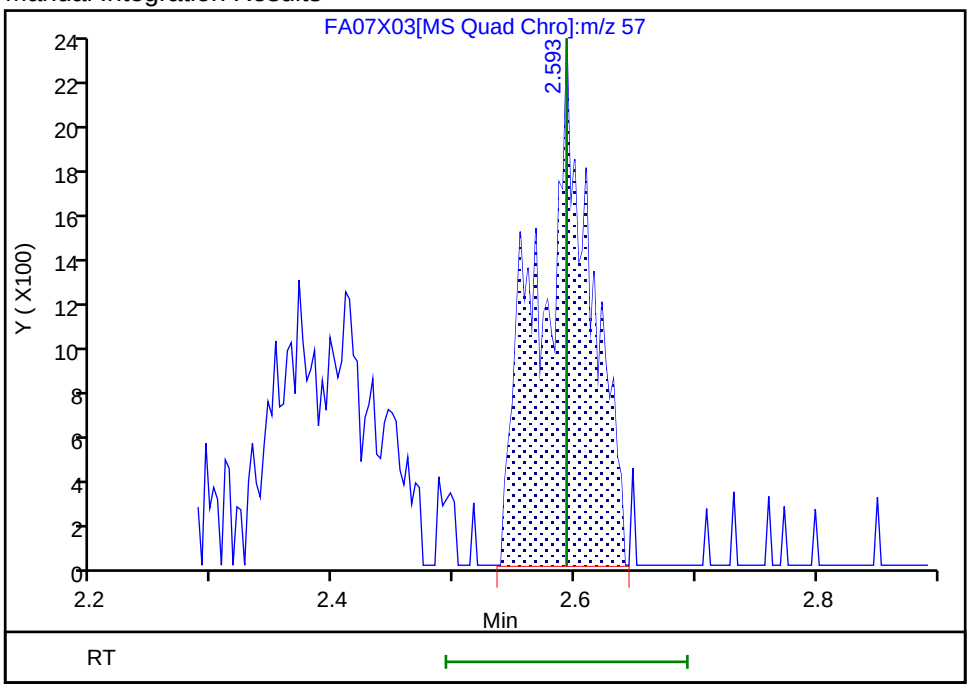
Processing Integration Results

RT: 2.59
Area: 5149
Amount: 0.739894
Amount Units: ug/l



Manual Integration Results

RT: 2.59
Area: 6962
Amount: 0.900651
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:40:22 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

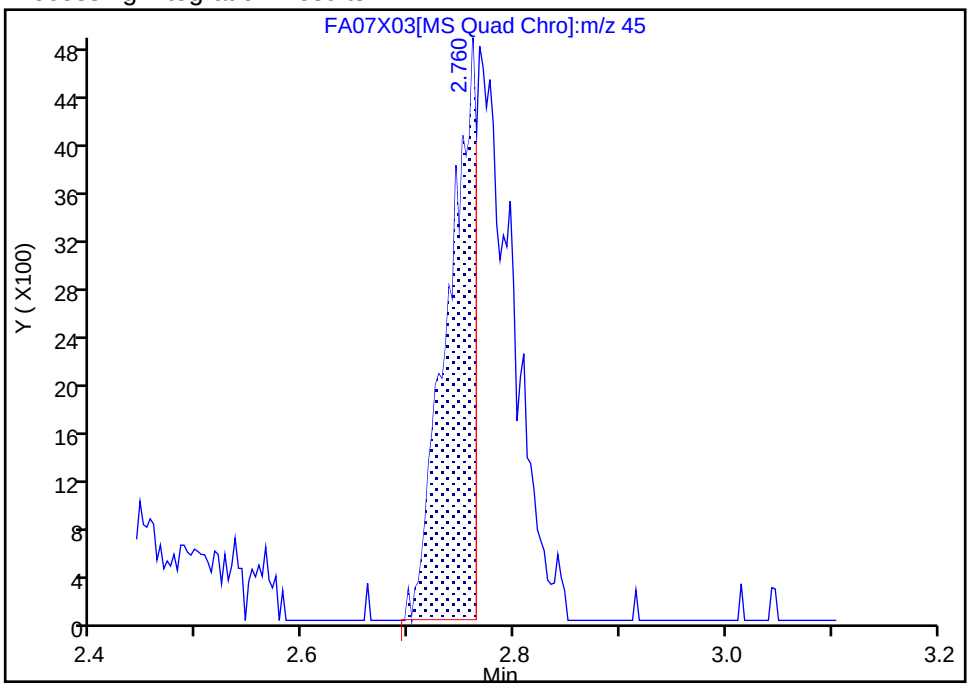
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

28 Isopropyl ether, CAS: 108-20-3

Signal: 1

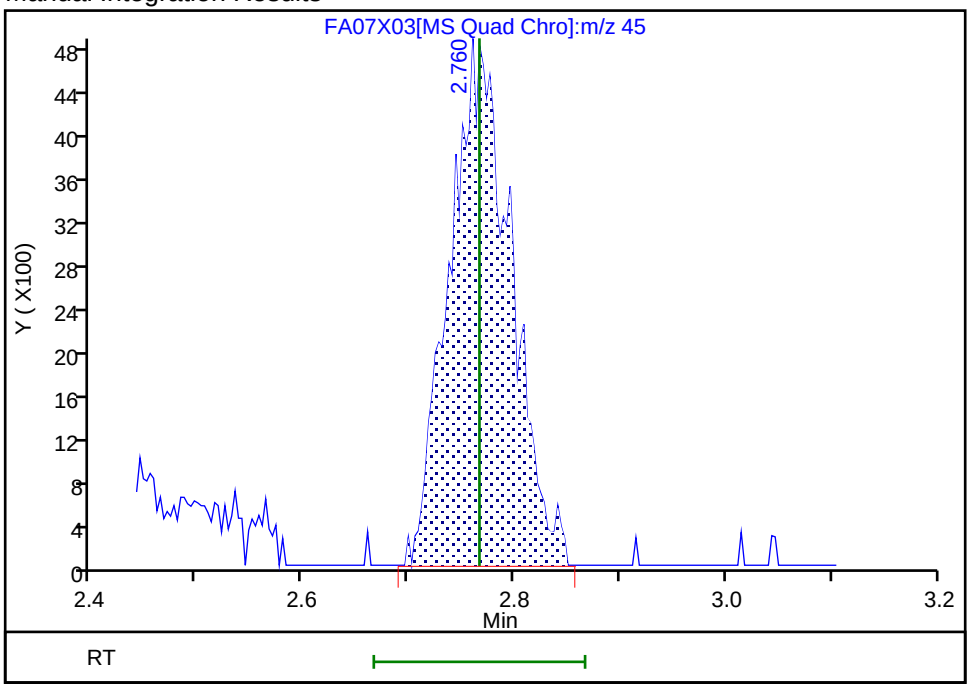
Processing Integration Results

RT: 2.76
Area: 9059
Amount: 0.702723
Amount Units: ug/l



Manual Integration Results

RT: 2.76
Area: 19759
Amount: 1.026948
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:40:28 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

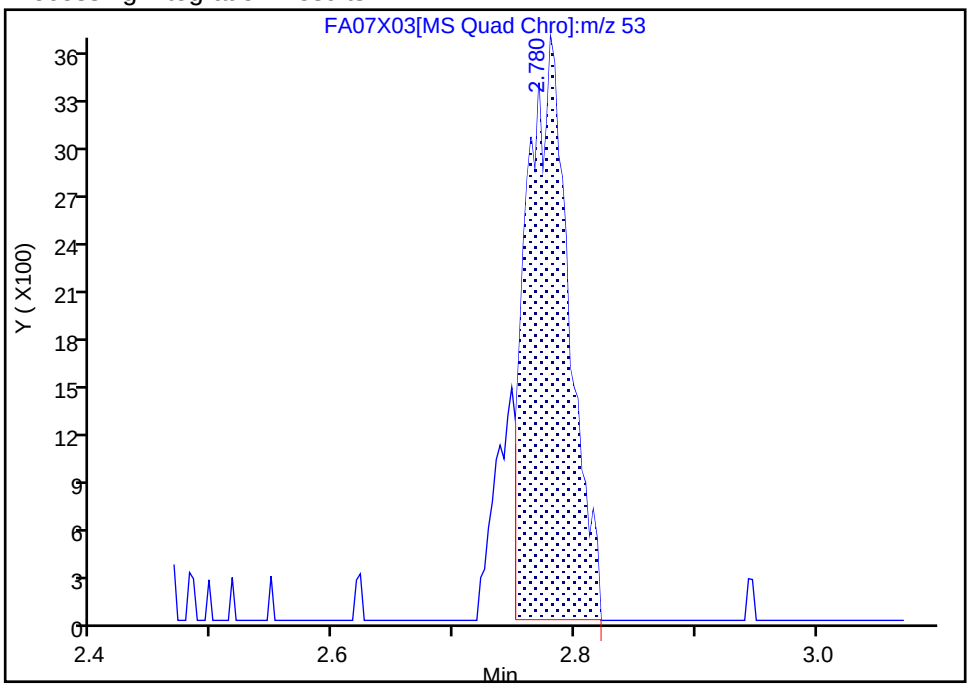
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

29 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

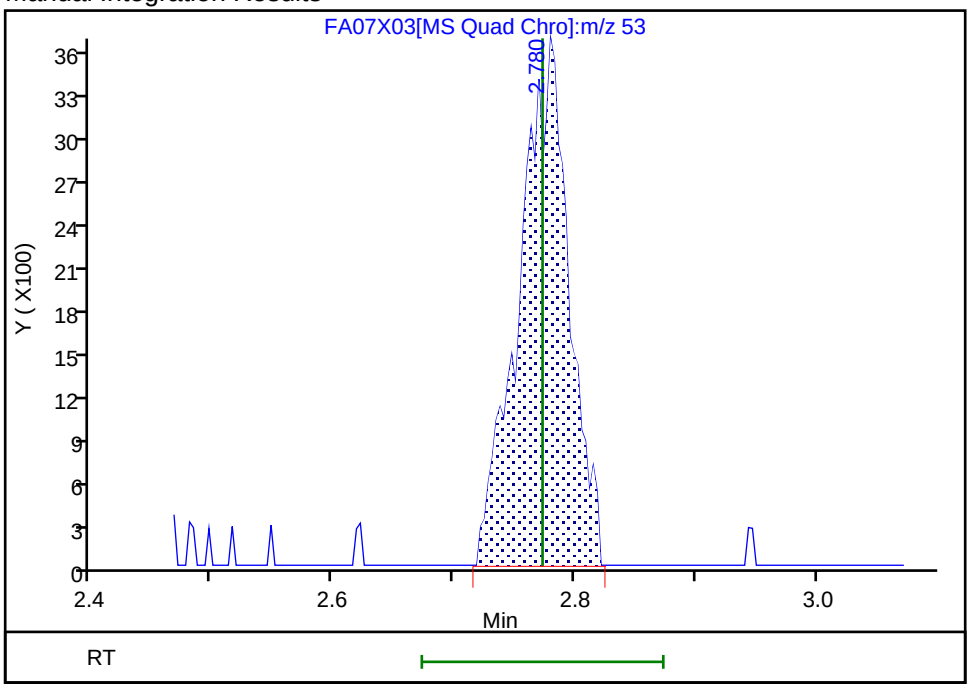
Processing Integration Results

RT: 2.78
Area: 8836
Amount: 0.878485
Amount Units: ug/l



Manual Integration Results

RT: 2.78
Area: 10316
Amount: 0.992394
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:40:33 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

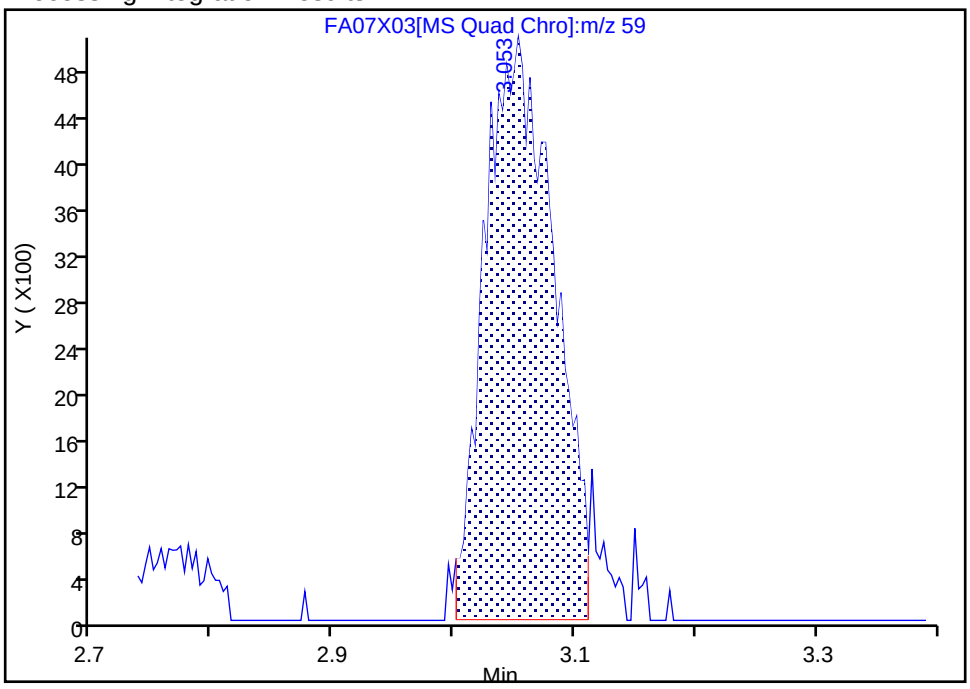
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

30 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

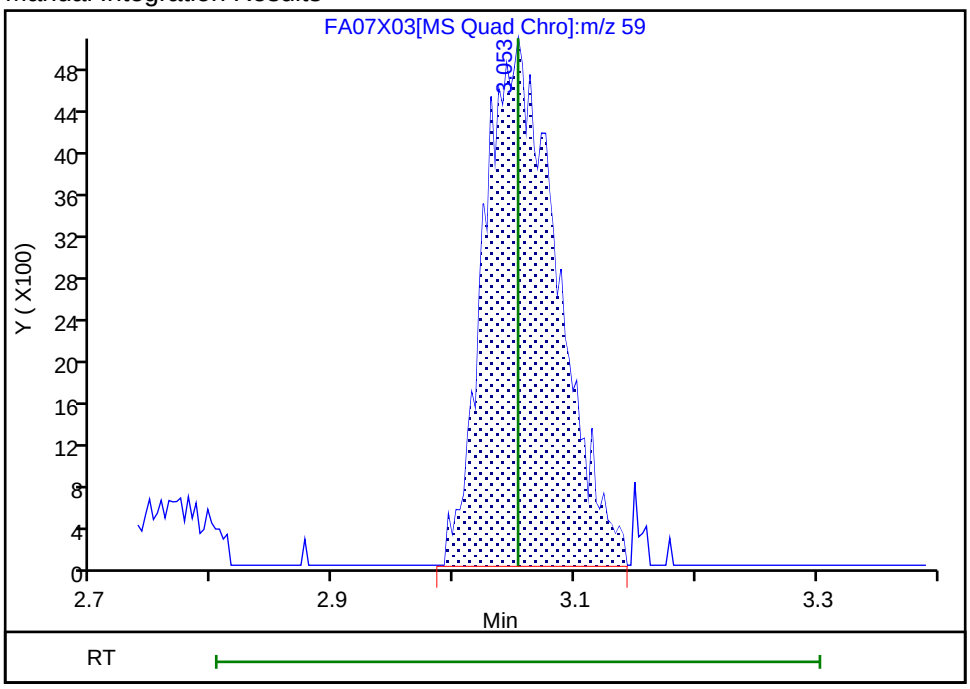
Processing Integration Results

RT: 3.05
Area: 20076
Amount: 0.957732
Amount Units: ug/l



Manual Integration Results

RT: 3.05
Area: 21166
Amount: 0.995490
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:40:39 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

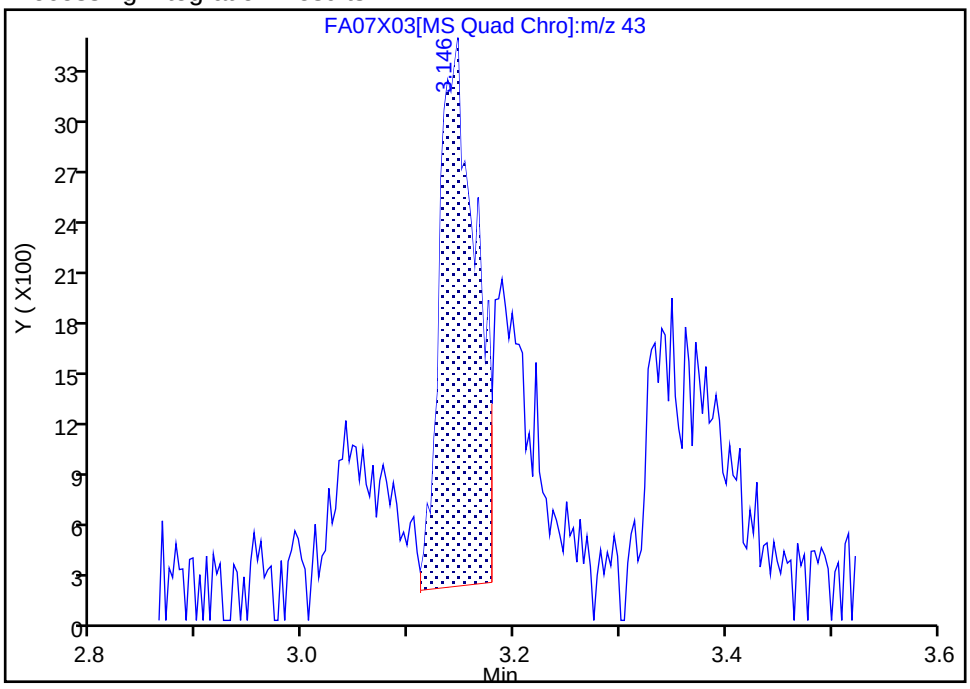
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

31 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

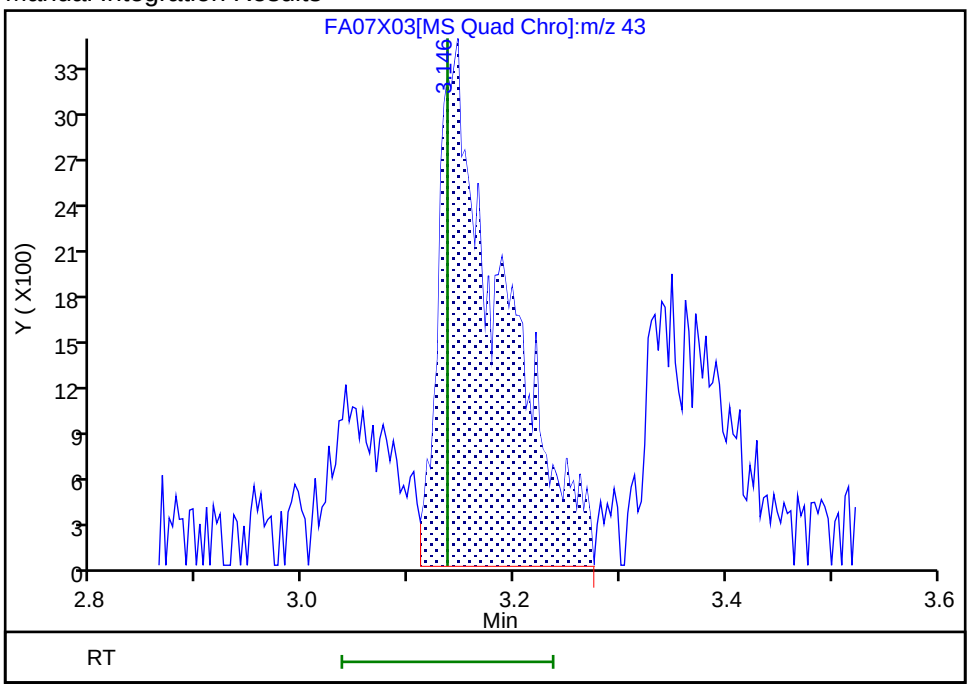
Processing Integration Results

RT: 3.15
Area: 7727
Amount: 1.313015
Amount Units: ug/l



Manual Integration Results

RT: 3.15
Area: 14219
Amount: 2.260523
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:40:58 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

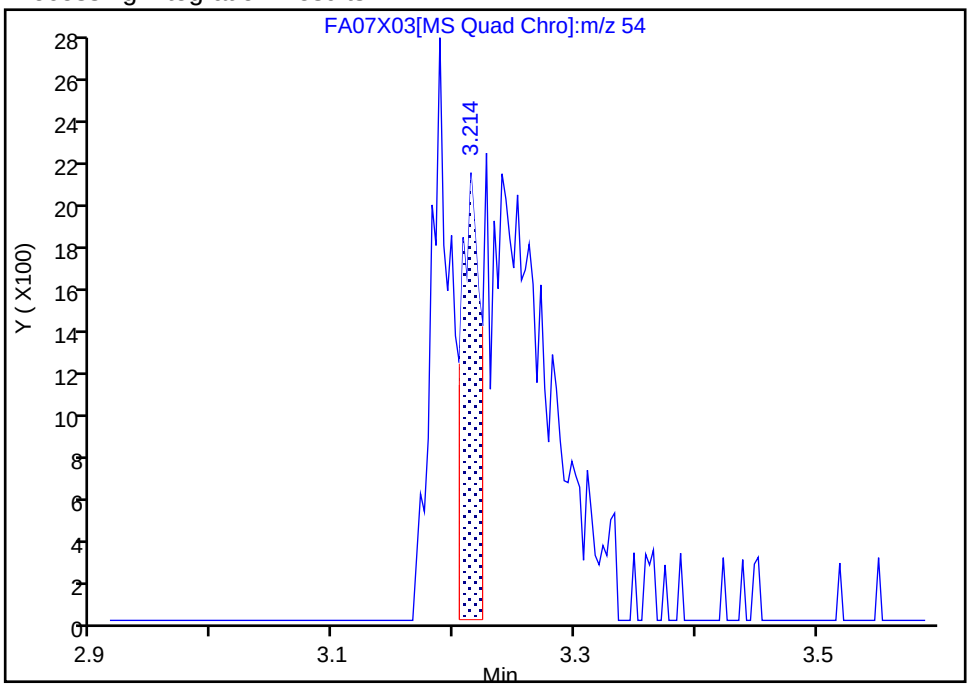
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D
Injection Date: 07-Apr-2025 15:24:17 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

34 Propionitrile, CAS: 107-12-0

Signal: 1

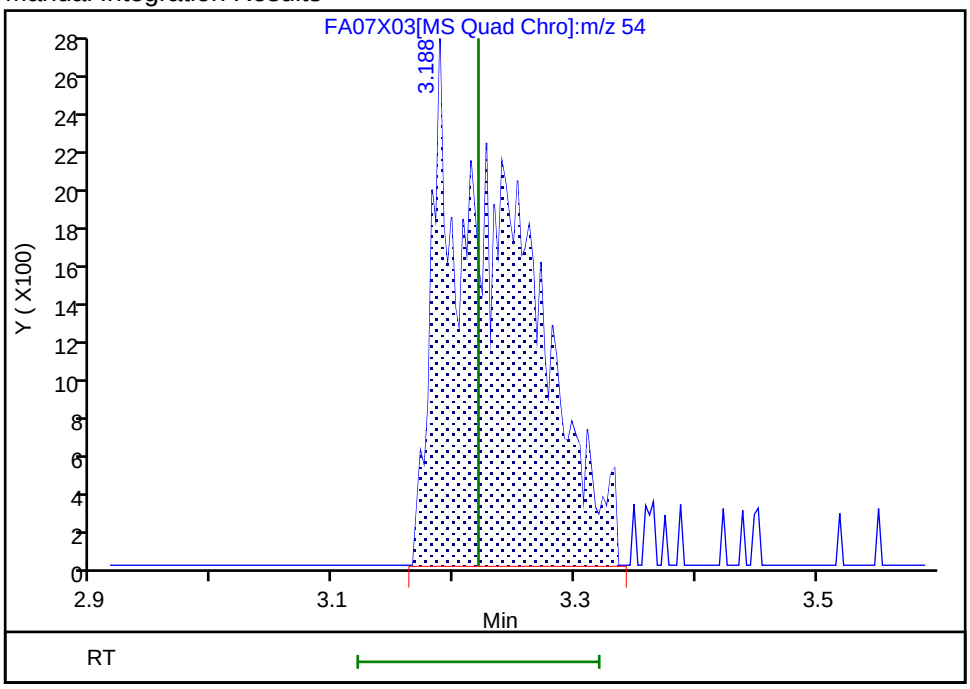
Processing Integration Results

RT: 3.21
Area: 2205
Amount: 7.312051
Amount Units: ug/l



Manual Integration Results

RT: 3.19
Area: 12383
Amount: 4.806224
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:41:14 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

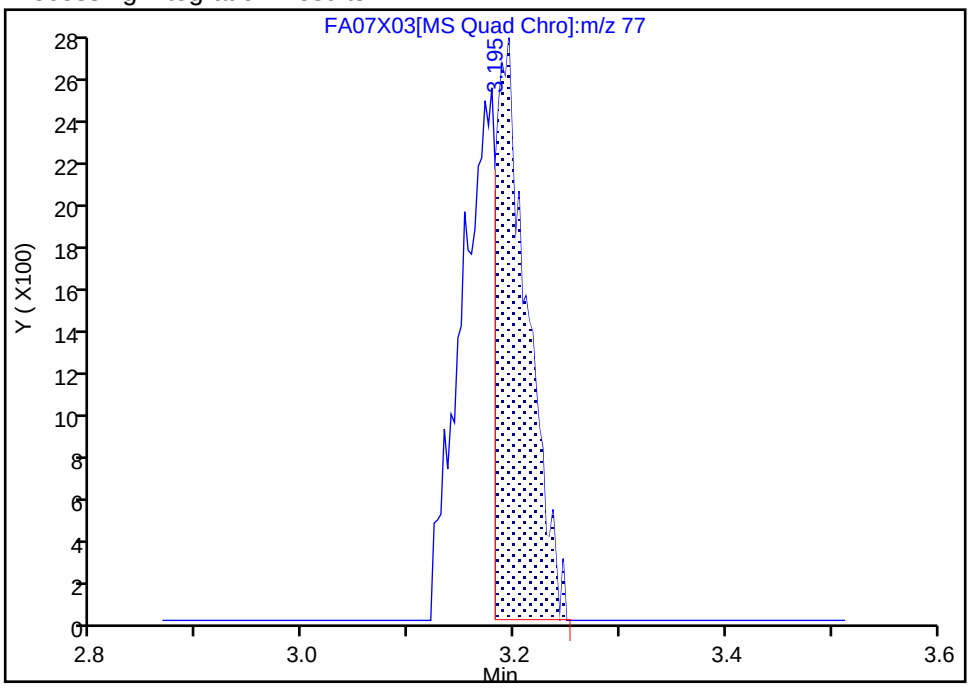
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D
Injection Date: 07-Apr-2025 15:24:17 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

33 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

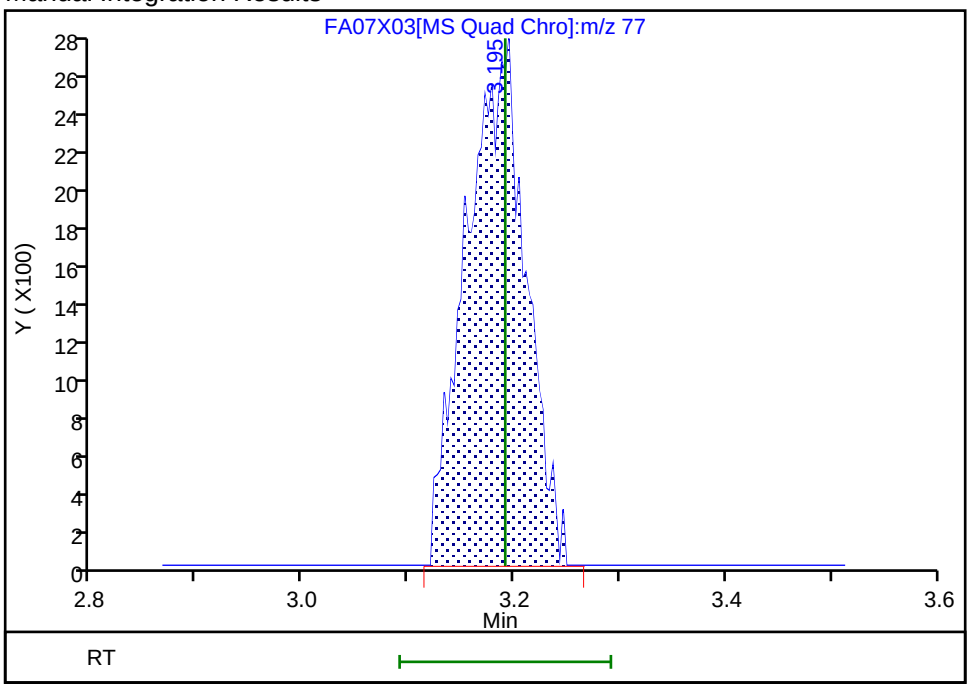
Processing Integration Results

RT: 3.19
Area: 5696
Amount: 0.754454
Amount Units: ug/l



Manual Integration Results

RT: 3.19
Area: 10897
Amount: 0.990586
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:41:09 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

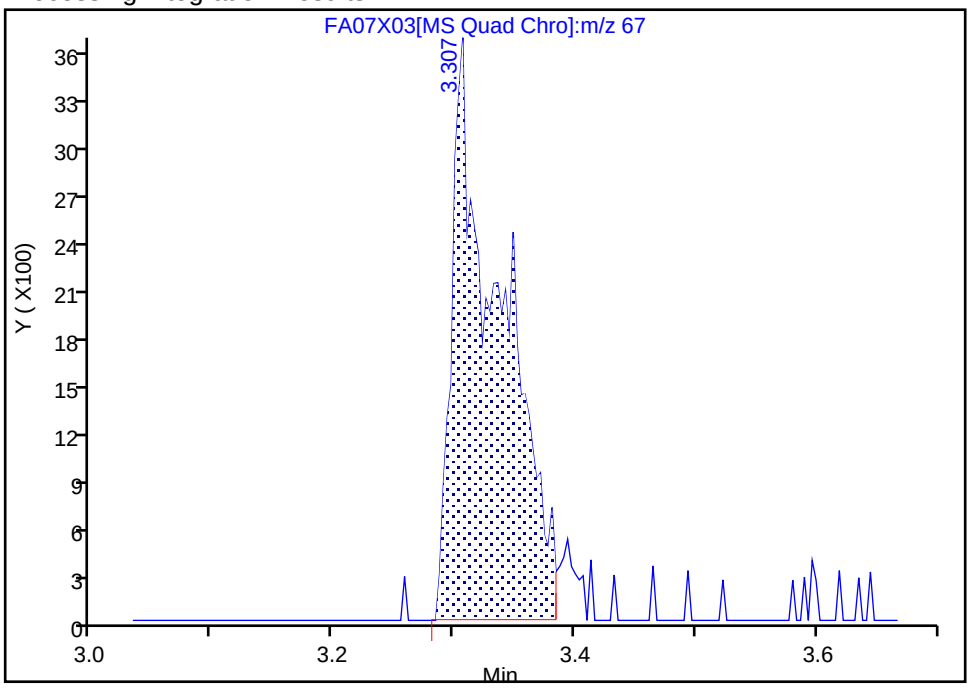
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

35 Methacrylonitrile, CAS: 126-98-7

Signal: 1

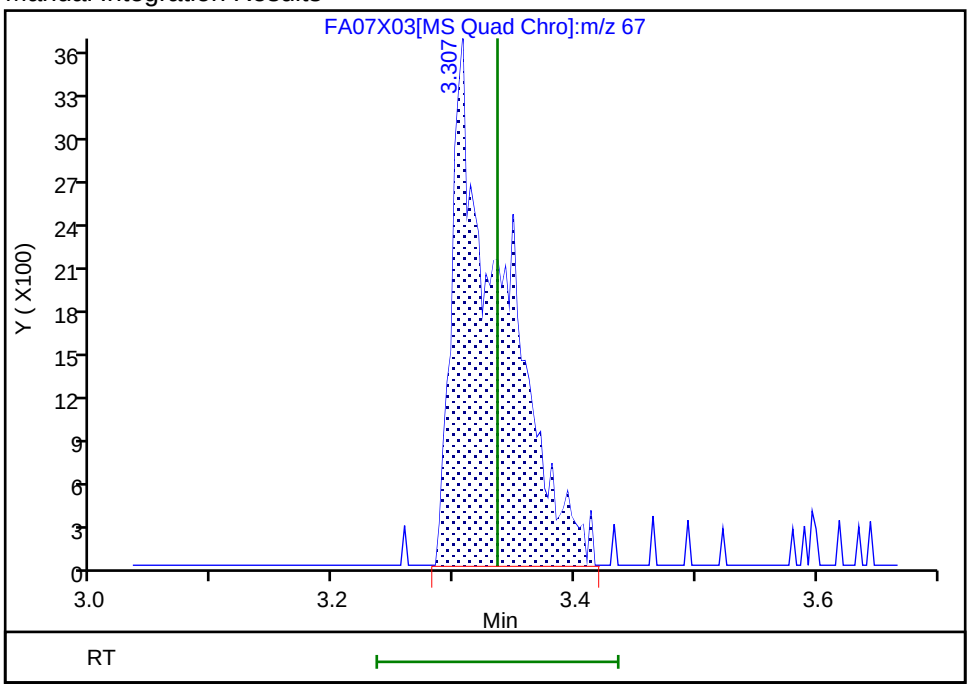
Processing Integration Results

RT: 3.31
Area: 10128
Amount: 2.465808
Amount Units: ug/l



Manual Integration Results

RT: 3.31
Area: 10668
Amount: 2.526536
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:41:28 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

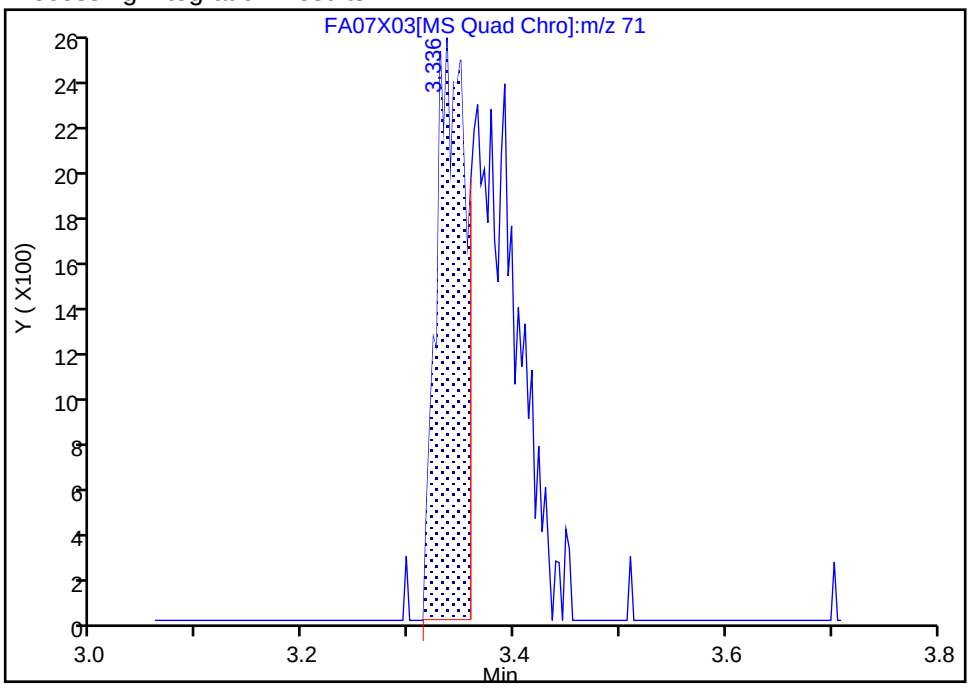
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

37 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

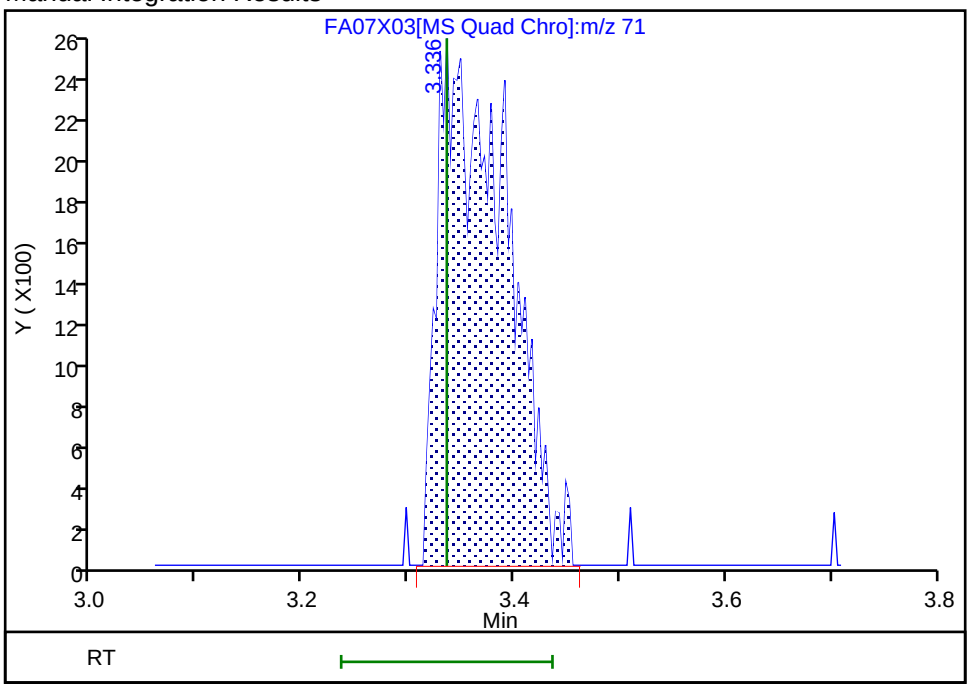
Processing Integration Results

RT: 3.34
Area: 4928
Amount: 2.885934
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 11402
Amount: 4.939884
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:41:21 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

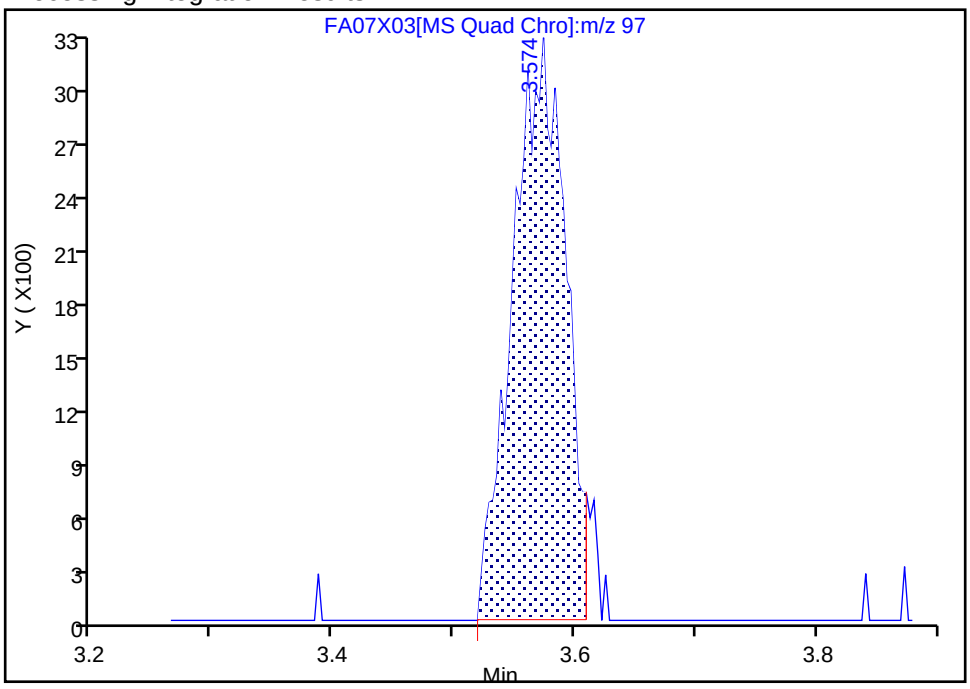
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

41 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

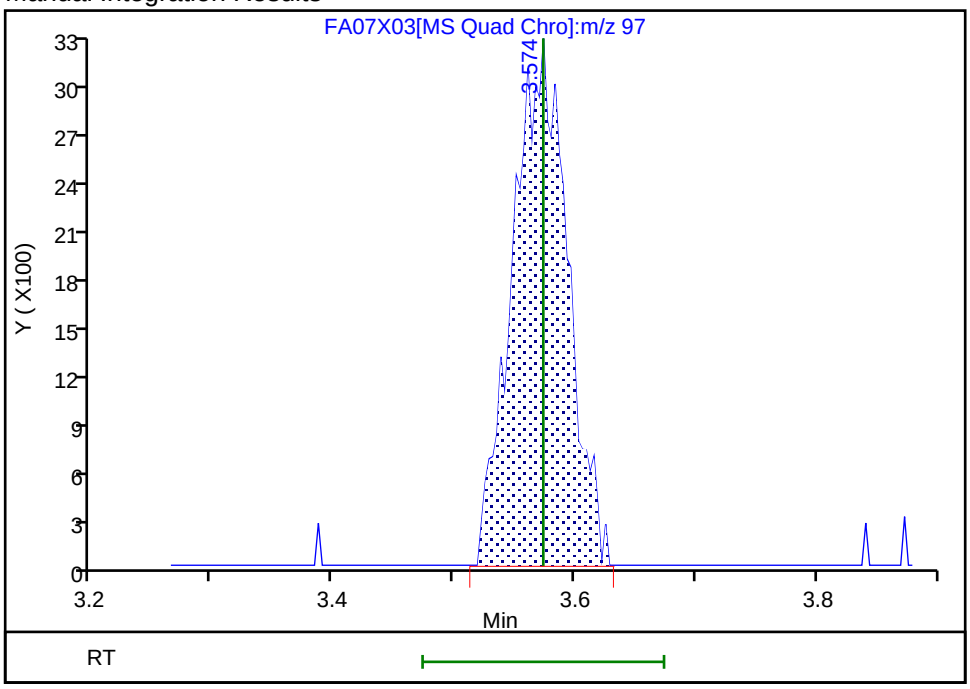
Processing Integration Results

RT: 3.57
Area: 9806
Amount: 0.942909
Amount Units: ug/l



Manual Integration Results

RT: 3.57
Area: 10164
Amount: 0.959604
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:41:37 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

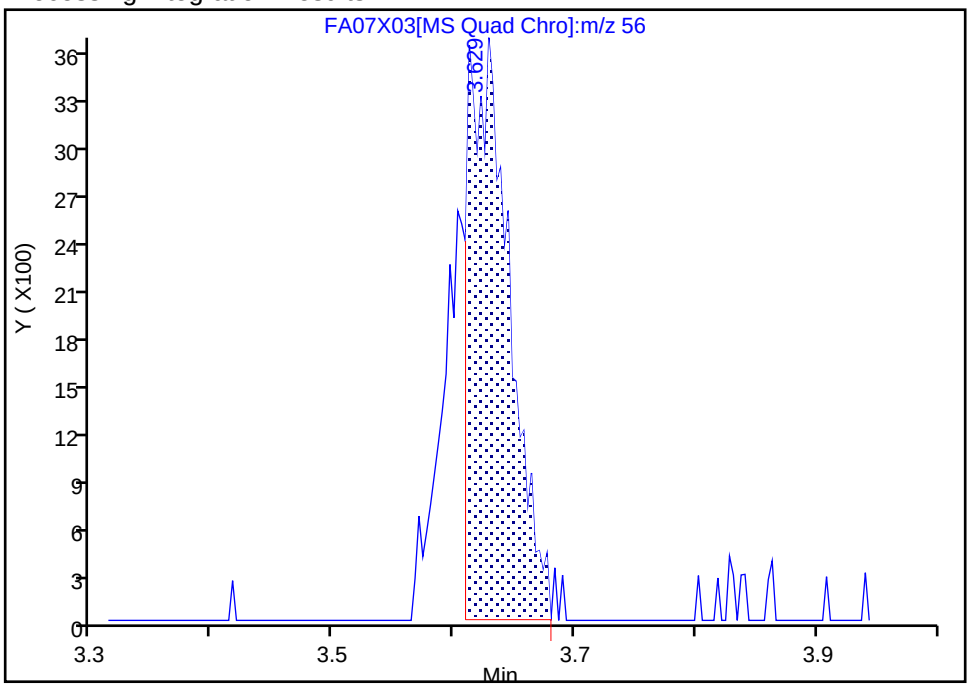
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

42 Cyclohexane, CAS: 110-82-7

Signal: 1

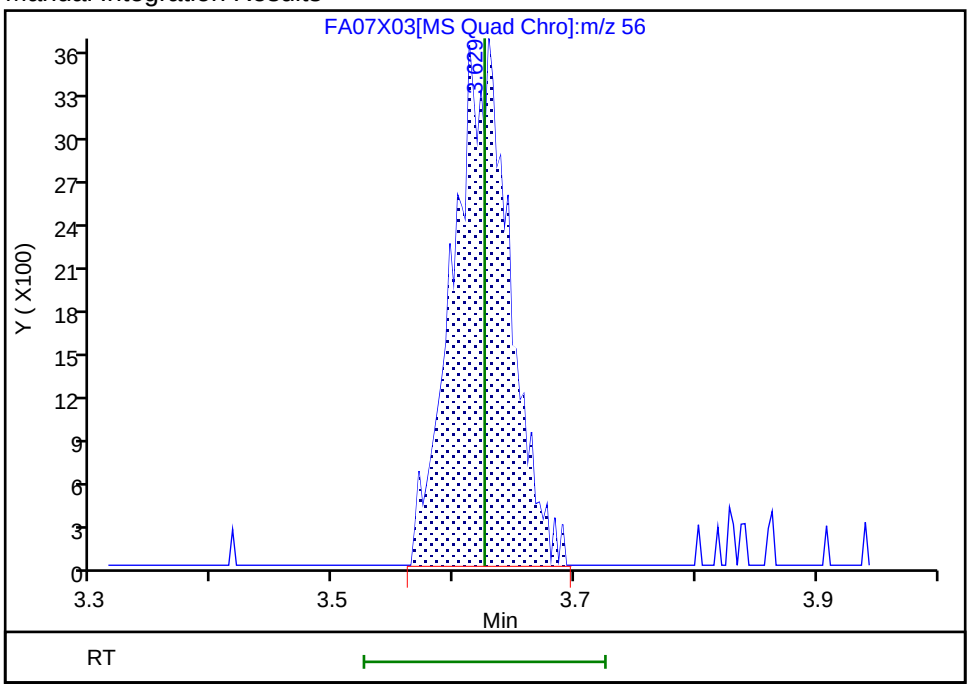
Processing Integration Results

RT: 3.63
Area: 8587
Amount: 1.293350
Amount Units: ug/l



Manual Integration Results

RT: 3.63
Area: 11933
Amount: 0.992373
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:41:43 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

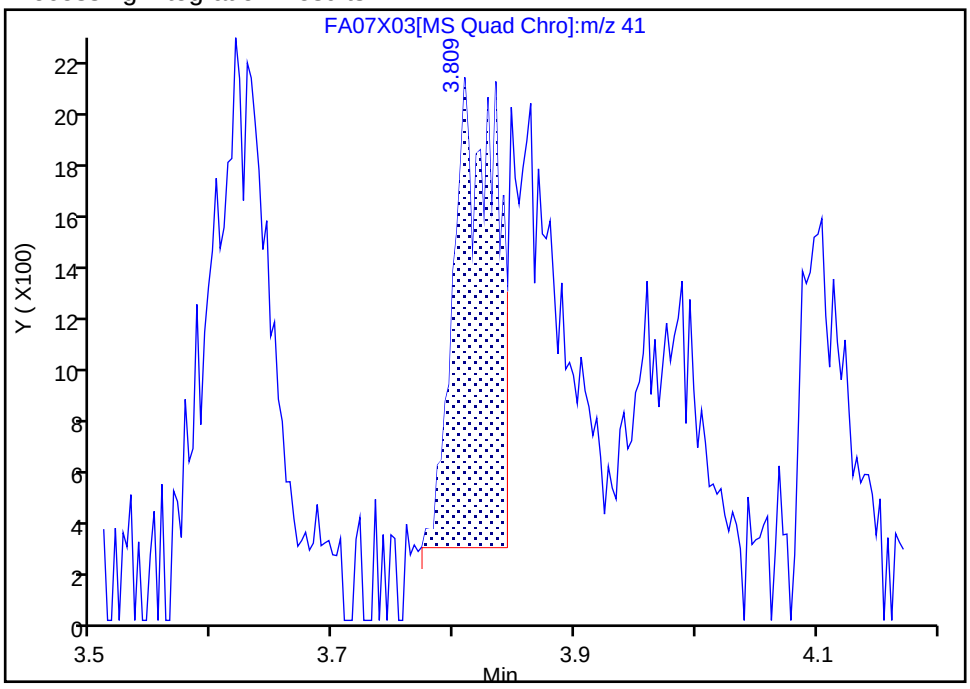
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

45 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

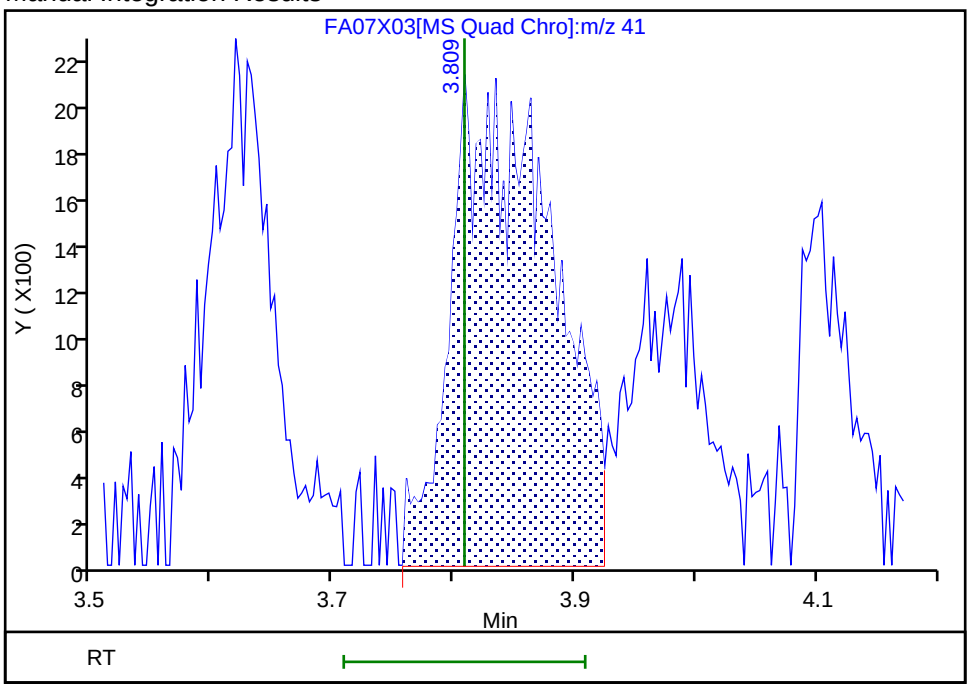
Processing Integration Results

RT: 3.81
Area: 4399
Amount: 12.456282
Amount Units: ug/l



Manual Integration Results

RT: 3.81
Area: 11878
Amount: 14.025842
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:42:03 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

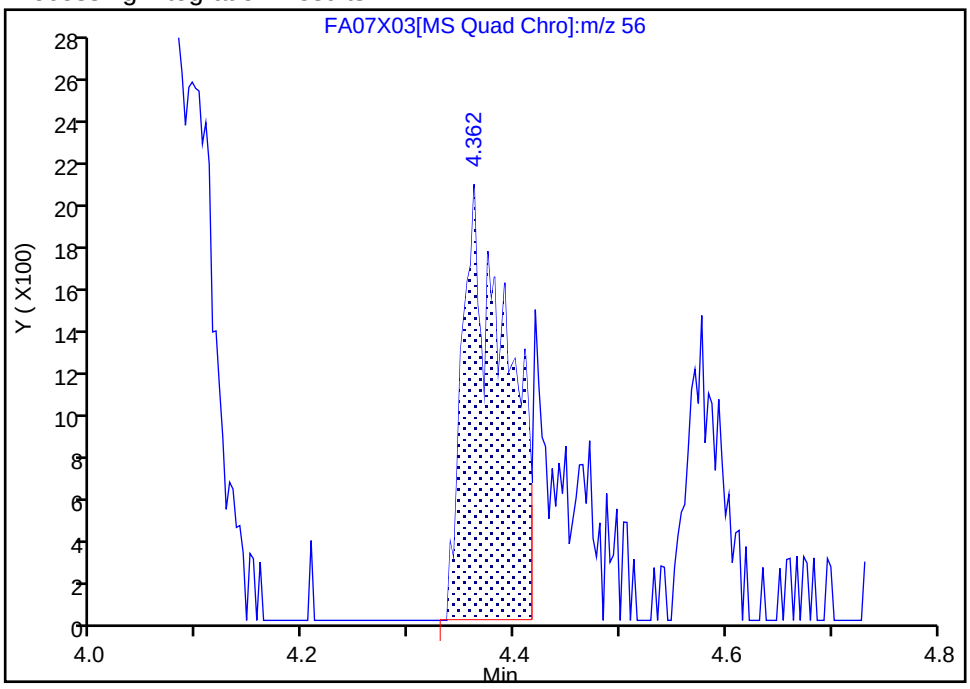
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D
Injection Date: 07-Apr-2025 15:24:17 Instrument ID: 15830
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

52 n-Butanol, CAS: 71-36-3

Signal: 1

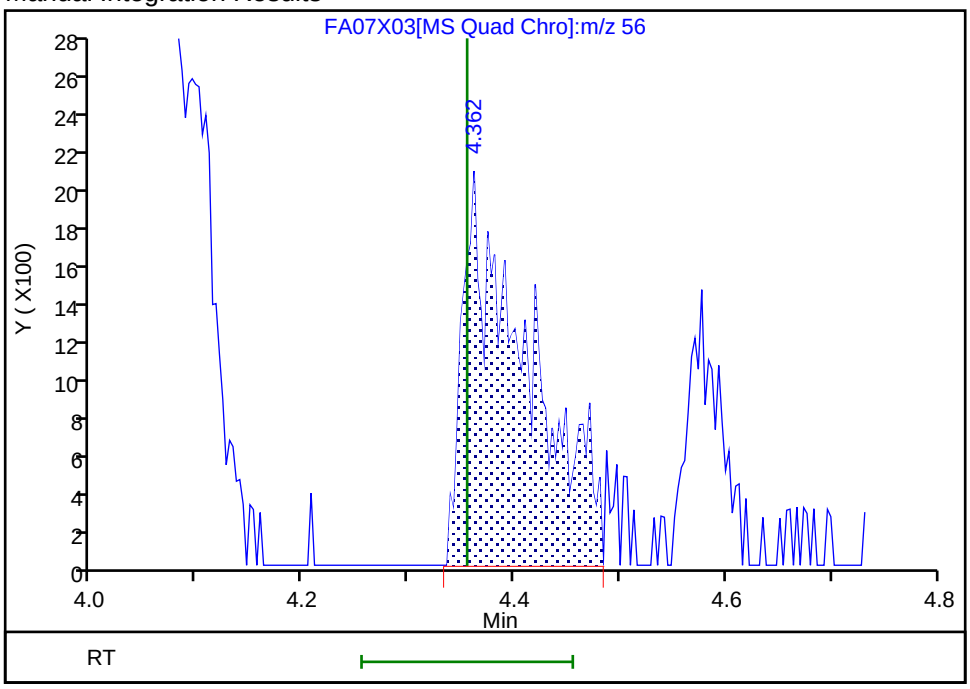
Processing Integration Results

RT: 4.36
Area: 6037
Amount: 9.331197
Amount Units: ug/l



Manual Integration Results

RT: 4.36
Area: 8703
Amount: 12.203308
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:42:58 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

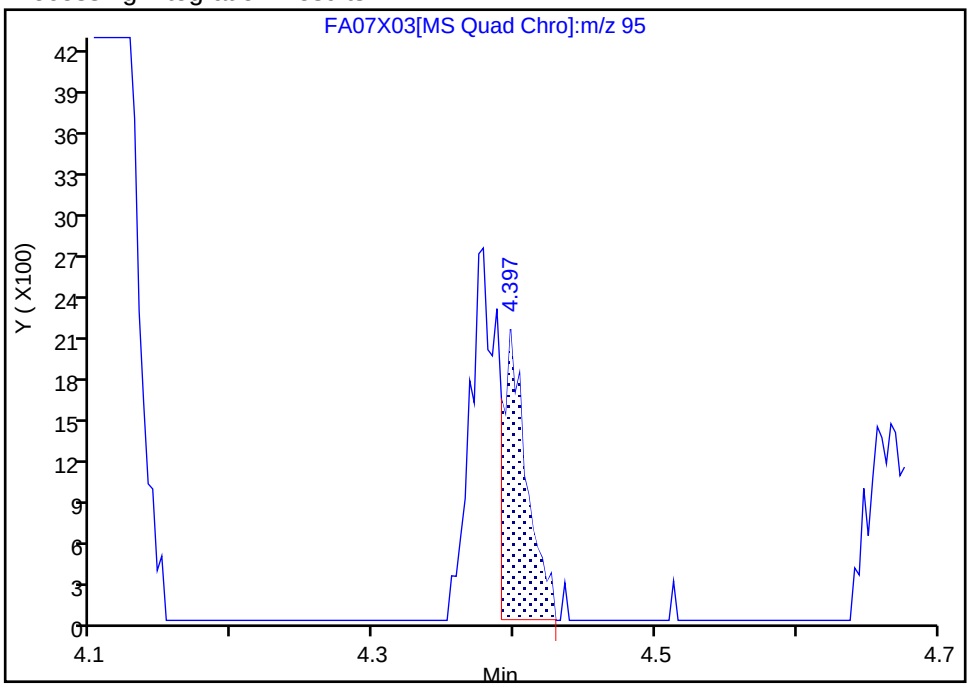
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

53 Trichloroethene, CAS: 79-01-6

Signal: 1

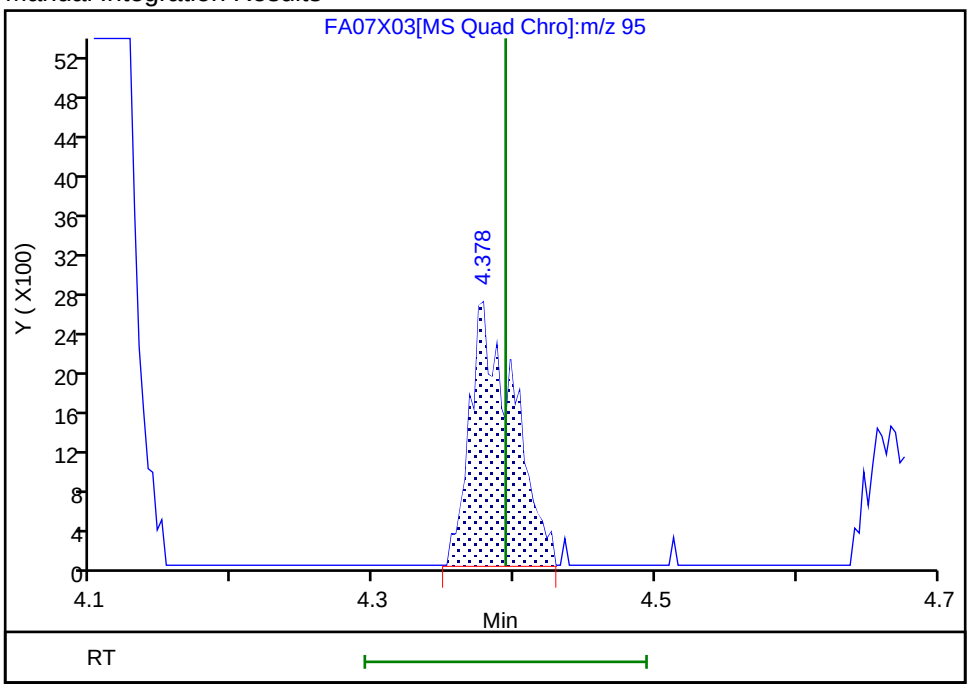
Processing Integration Results

RT: 4.40
Area: 2464
Amount: 0.985374
Amount Units: ug/l



Manual Integration Results

RT: 4.38
Area: 5721
Amount: 0.921931
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:43:05 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

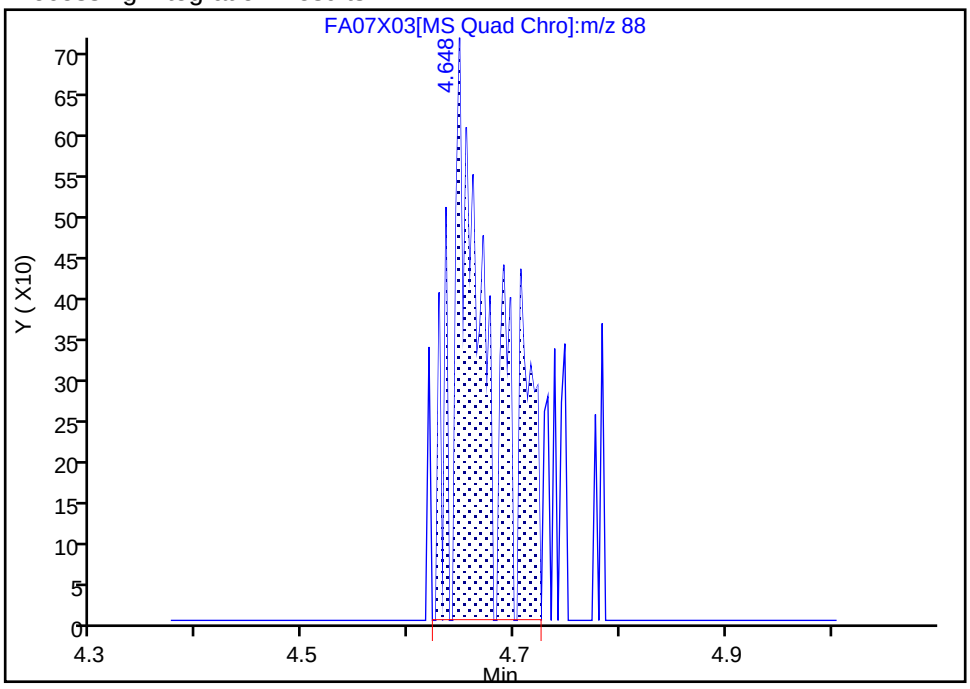
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X03.D				
Injection Date:	07-Apr-2025 15:24:17	Instrument ID:	15830		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	53	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

57 1,4-Dioxane, CAS: 123-91-1

Signal: 1

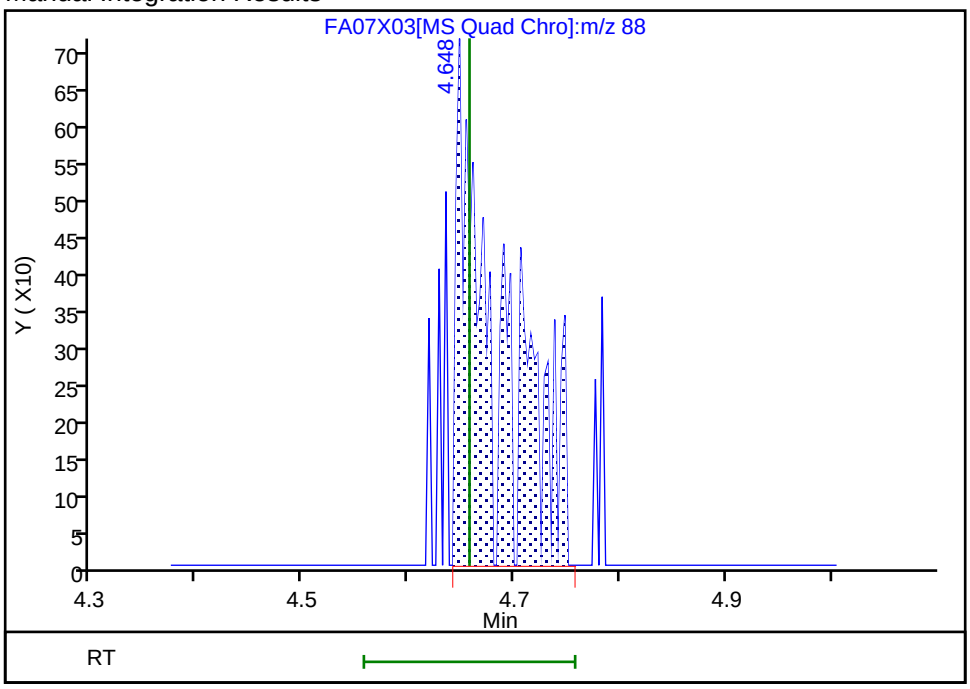
Processing Integration Results

RT: 4.65
Area: 1777
Amount: 9.738149
Amount Units: ug/l



Manual Integration Results

RT: 4.65
Area: 1886
Amount: 10.505477
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:43:16 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Apr-2025 15:43:27 ALS Bottle#: 54 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v4
Misc. Info.: 410-0143206-005
Operator ID: knk41612 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 08-Apr-2025 09:23:38 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: JS6E Date: 07-Apr-2025 16:22:58

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Dichlorodifluoromethane	85	1.008	1.011	-0.003	98	42681	4.00	4.45	
2	Chloromethane	50	1.117	1.117	0.000	99	49209	4.00	4.55	M
4	Vinyl chloride	62	1.175	1.175	0.000	98	43036	4.00	4.58	
3	Butadiene	39	1.191	1.182	0.009	72	51004	4.00	4.63	
5	Bromomethane	94	1.362	1.358	0.004	90	29111	4.00	4.38	
6	Chloroethane	64	1.371	1.371	0.000	94	24250	4.00	4.38	
7	Pentane	43	1.523	1.519	0.004	92	43805	4.00	4.54	
8	Dichlorofluoromethane	67	1.548	1.542	0.006	97	67682	4.00	4.24	
9	Trichlorofluoromethane	101	1.555	1.558	-0.003	98	54110	4.00	4.45	M
10	1,2-Dichloro-1,1,2-trifluoroetha	67	1.741	1.728	0.013	56	37030	4.00	4.49	
11	Acrolein	56	1.744	1.741	0.003	99	91200	39.0	32.9	
12	1,1-Dichloroethene	96	1.809	1.809	0.000	96	24808	4.00	4.33	
13	Acetone	58	1.863	1.844	0.019	44	11972	8.00	7.67	M
14	1,1,2-Trichloro-1,2,2-trifluoroe	101	1.873	1.863	0.010	89	30992	4.00	4.63	M
15	Iodomethane	142	1.921	1.928	-0.007	98	50971	4.00	4.32	
16	Isopropyl alcohol	45	1.941	1.944	-0.003	28	22714	20.0	16.9	M
17	Carbon disulfide	76	1.966	1.966	0.000	99	83998	4.00	4.23	M
19	Methyl acetate	43	2.072	2.063	0.009	43	36562	4.00	4.06	M
18	3-Chloro-1-propene	41	2.069	2.066	0.003	85	40241	4.00	3.95	
20	Methylene Chloride	84	2.172	2.175	-0.003	90	30311	4.00	4.32	
* 21	t-Butyl alcohol-d10 (IS)	65	2.288	2.275	0.013	94	852295	250.0	250.0	
22	2-Methyl-2-propanol	59	2.352	2.336	0.016	48	66051	20.0	19.6	
23	Acrylonitrile	53	2.362	2.352	0.010	96	52676	10.0	10.6	
24	trans-1,2-Dichloroethene	96	2.378	2.374	0.004	98	28248	4.00	4.33	
25	Methyl tert-butyl ether	73	2.388	2.403	-0.015	73	90311	4.00	4.25	
26	Hexane	57	2.597	2.593	0.003	89	32598	4.00	4.34	M
27	1,1-Dichloroethane	63	2.715	2.718	-0.003	96	47647	4.00	4.19	
28	Isopropyl ether	45	2.760	2.767	-0.007	91	77242	4.00	4.13	
29	2-Chloro-1,3-butadiene	53	2.773	2.773	0.000	93	42873	4.00	4.24	
30	Tert-butyl ethyl ether	59	3.043	3.053	-0.010	97	85827	4.00	4.15	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 2-Butanone (MEK)	43	3.140	3.136	0.004	99	42411	8.00	6.94	M
32 cis-1,2-Dichloroethene	96	3.172	3.169	0.003	81	32135	4.00	4.27	
33 2,2-Dichloropropane	77	3.191	3.191	0.000	89	44942	4.00	4.20	
34 Propionitrile	54	3.224	3.220	0.004	74	45407	20.0	18.1	M
35 Methacrylonitrile	67	3.307	3.336	-0.029	94	40060	10.0	9.76	
37 Tetrahydrofuran	71	3.339	3.336	0.003	90	39586	20.0	17.6	
36 Chlorobromomethane	128	3.359	3.352	0.007	93	15157	4.00	4.21	
39 Chloroform	83	3.452	3.448	0.004	93	47835	4.00	4.23	
$ 40 Dibromofluoromethane (Surr)	113	3.574	3.571	0.003	93	343275	50.0	52.6	
41 1,1,1-Trichloroethane	97	3.577	3.574	0.003	62	42962	4.00	4.17	
42 Cyclohexane	56	3.616	3.625	-0.009	90	51686	4.00	4.42	
43 1,1-Dichloropropene	75	3.690	3.690	0.000	92	34335	4.00	4.07	M
44 Carbon tetrachloride	117	3.696	3.696	0.000	93	34032	4.00	4.13	
45 Isobutyl alcohol	41	3.809	3.808	0.001	52	36879	50.0	44.7	M
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.838	3.831	0.007	78	79766	50.0	51.0	
47 Benzene	78	3.847	3.847	0.000	93	96220	4.00	3.98	
48 1,2-Dichloroethane	62	3.899	3.902	-0.003	95	32399	4.00	3.97	M
49 Tert-amyl methyl ether	73	3.973	3.979	-0.006	98	81663	4.00	4.07	
* 50 Fluorobenzene (IS)	96	4.079	4.098	-0.019	99	1160856	50.0	50.0	
51 n-Heptane	43	4.104	4.104	0.000	36	25729	4.00	4.37	M
52 n-Butanol	56	4.359	4.355	0.003	93	29963	50.0	43.1	
53 Trichloroethene	95	4.378	4.394	-0.016	98	23656	4.00	3.92	
54 Methylcyclohexane	83	4.584	4.583	0.001	89	50199	4.00	4.37	
55 1,2-Dichloropropane	63	4.590	4.596	-0.006	82	21227	4.00	3.82	
56 2-ethoxy-2-methyl butane	87	4.632	4.625	0.007	95	41732	4.00	4.11	
57 1,4-Dioxane	88	4.661	4.657	0.004	38	8758	50.0	50.1	M
58 Methyl methacrylate	69	4.670	4.670	0.000	91	19455	4.00	3.86	
59 Dibromomethane	93	4.661	4.673	-0.012	94	14698	4.00	3.87	
60 Dichlorobromomethane	83	4.825	4.831	-0.006	97	23476	4.00	3.58	
61 2-Nitropropane	41	5.008	5.011	-0.003	97	38123	20.0	15.4	
62 2-Chloroethyl vinyl ether	63	5.082	5.082	0.000	94	13091	4.00	3.69	
63 cis-1,3-Dichloropropene	75	5.198	5.197	0.001	95	27169	4.00	3.56	
64 4-Methyl-2-pentanone (MIBK)	43	5.339	5.339	0.000	96	71048	8.00	6.71	
$ 65 Toluene-d8 (Surr)	98	5.416	5.416	0.000	93	1051309	50.0	48.0	
66 Toluene	92	5.471	5.474	-0.003	98	53380	4.00	3.76	
67 trans-1,3-Dichloropropene	75	5.680	5.680	0.000	95	24010	4.00	3.40	
68 Ethyl methacrylate	69	5.744	5.741	0.003	88	33260	4.00	3.81	
69 1,1,2-Trichloroethane	97	5.821	5.824	-0.003	91	17029	4.00	3.61	
70 Tetrachloroethene	166	5.870	5.873	-0.003	95	23498	4.00	3.95	
71 1,3-Dichloropropane	76	5.937	5.937	0.000	91	29403	4.00	3.73	
72 2-Hexanone	43	5.998	5.995	0.003	96	55663	8.00	6.78	
73 Chlorodibromomethane	129	6.092	6.091	0.001	90	15200	4.00	3.24	
S 74 1,2-Dichloroethene, Total	100				0			8.59	
75 Ethylene Dibromide	107	6.159	6.159	0.000	99	19622	4.00	3.79	
* 76 Chlorobenzene-d5 (IS)	117	6.481	6.480	0.001	85	824000	50.0	50.0	
77 Chlorobenzene	112	6.500	6.500	0.000	96	59178	4.00	3.87	
78 1-Chlorohexane	91	6.510	6.506	0.004	97	30175	4.00	3.98	
79 1,1,1,2-Tetrachloroethane	131	6.564	6.567	-0.003	92	21838	4.00	3.66	
80 Ethylbenzene	91	6.571	6.570	0.001	98	114532	4.00	4.01	
81 m-Xylene & p-Xylene	106	6.661	6.657	0.004	100	87454	8.00	7.84	
82 o-Xylene	106	6.895	6.895	0.000	96	47097	4.00	3.97	
83 Styrene	104	6.908	6.908	0.000	96	69901	4.00	4.03	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Bromoform	173	7.011	7.008	0.003	94	10711	4.00	3.24	
85 Isopropylbenzene	105	7.117	7.120	-0.003	96	112896	4.00	3.99	
$ 86 4-Bromofluorobenzene (Surr)	95	7.217	7.217	0.000	88	458651	50.0	51.8	
87 Bromobenzene	156	7.291	7.291	0.000	93	26656	4.00	3.90	
88 1,1,2,2-Tetrachloroethane	83	7.304	7.307	-0.003	96	37624	4.00	3.74	
89 trans-1,4-Dichloro-2-butene	53	7.323	7.326	-0.003	85	26115	10.0	8.67	
90 1,2,3-Trichloropropane	110	7.333	7.332	0.001	85	13263	4.00	3.98	
91 N-Propylbenzene	91	7.362	7.361	0.001	99	142322	4.00	4.02	
92 2-Chlorotoluene	126	7.403	7.406	-0.003	96	28246	4.00	3.79	
93 1,3,5-Trimethylbenzene	105	7.464	7.464	0.000	95	102101	4.00	3.84	
94 4-Chlorotoluene	126	7.474	7.474	0.000	99	27118	4.00	3.85	
95 tert-Butylbenzene	134	7.638	7.638	0.000	93	18714	4.00	3.49	
96 1,2,4-Trimethylbenzene	105	7.670	7.670	0.000	97	102388	4.00	3.82	
97 sec-Butylbenzene	105	7.760	7.760	0.000	94	120224	4.00	3.79	
98 1,3-Dichlorobenzene	146	7.818	7.818	0.000	97	52732	4.00	3.94	
99 4-Isopropyltoluene	119	7.844	7.844	0.000	96	107086	4.00	3.86	
* 100 1,4-Dichlorobenzene-d4	152	7.863	7.863	0.000	95	518268	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.876	7.876	0.000	95	52588	4.00	3.91	
102 1,2,3-Trimethylbenzene	105	7.892	7.892	0.000	98	108190	4.00	3.87	
103 Benzyl chloride	91	7.937	7.937	0.000	98	59048	4.00	2.98	
104 1,3-Diethylbenzene	119	7.995	7.995	0.000	95	61833	4.00	3.87	
105 p-Diethylbenzene	119	8.046	8.046	0.000	93	64755	4.00	3.86	
106 n-Butylbenzene	92	8.059	8.059	0.000	98	52320	4.00	3.94	
107 1,2-Dichlorobenzene	146	8.063	8.066	-0.003	97	53704	4.00	3.92	
108 o-diethylbenzene	119	8.098	8.098	0.000	95	50796	4.00	3.74	
109 1,2-Dibromo-3-Chloropropane	75	8.471	8.471	0.000	82	12425	4.00	3.43	
110 1,3,5-Trichlorobenzene	180	8.567	8.567	0.000	97	37111	4.00	3.83	
111 1,2,4-Trichlorobenzene	180	8.882	8.882	0.000	93	37940	4.00	3.90	
112 Hexachlorobutadiene	225	8.956	8.956	0.000	97	12565	4.00	3.85	
113 Naphthalene	128	9.014	9.014	0.000	97	169414	4.00	4.10	
114 1,2,3-Trichlorobenzene	180	9.124	9.123	0.001	95	37834	4.00	3.90	
115 2-Methylnaphthalene	142	9.567	9.567	0.000	93	78961	4.00	3.68	
S 139 1,3-Dichloropropene, Total	100				0			6.96	
S 140 Xylenes, Total	106				0			11.8	
S 141 Total Diethylbenzene	1				0			11.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00230	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_01005	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00231	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00222	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00032	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 08-Apr-2025 09:23:39 Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D

Injection Date: 07-Apr-2025 15:43:27 Instrument ID: 15830 Operator ID: knk41612

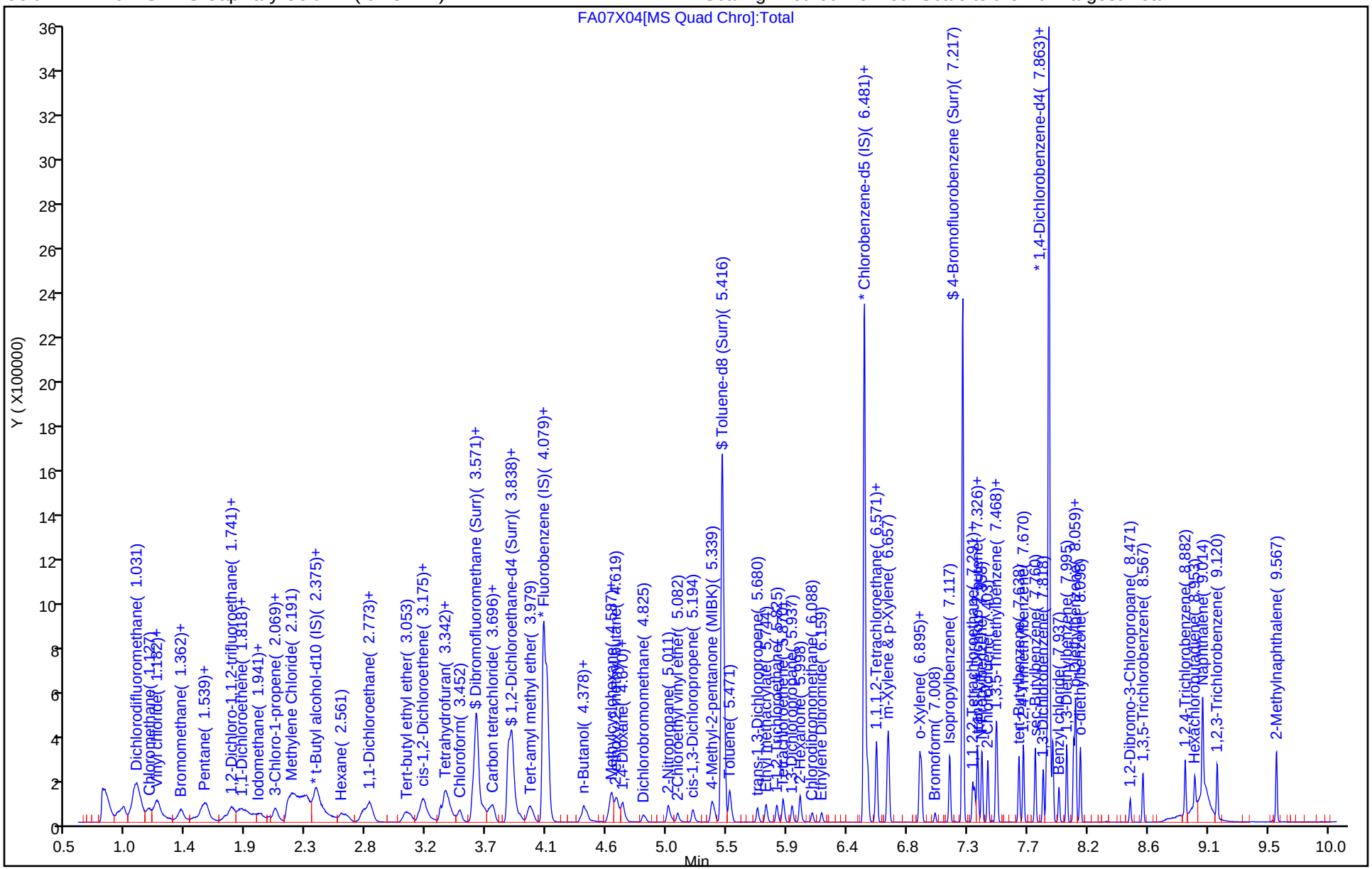
Lims ID: IC v4 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 54

Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

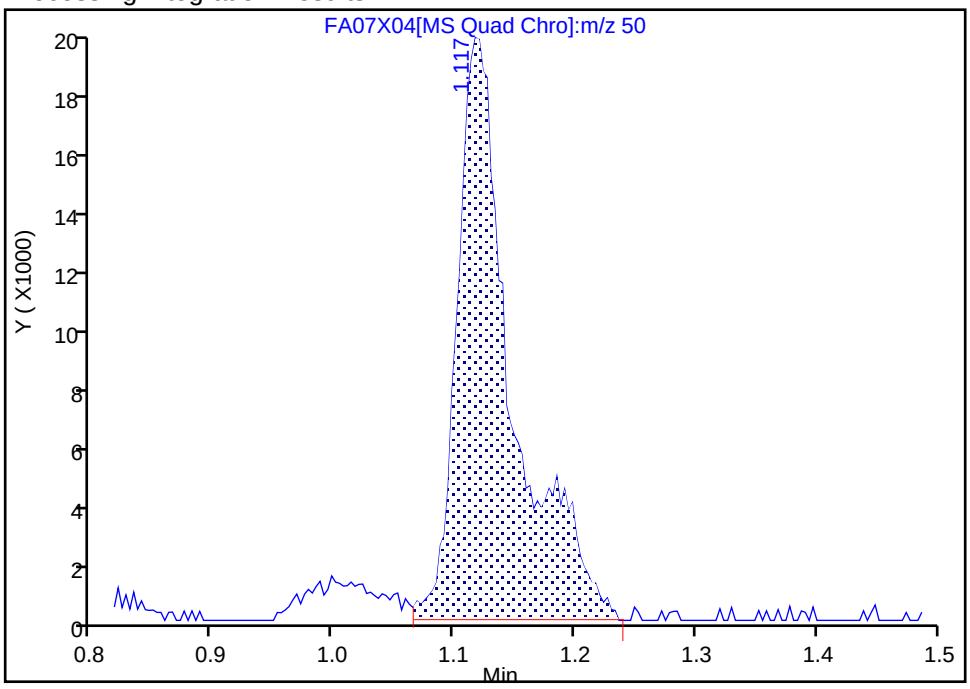
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Chloromethane, CAS: 74-87-3

Signal: 1

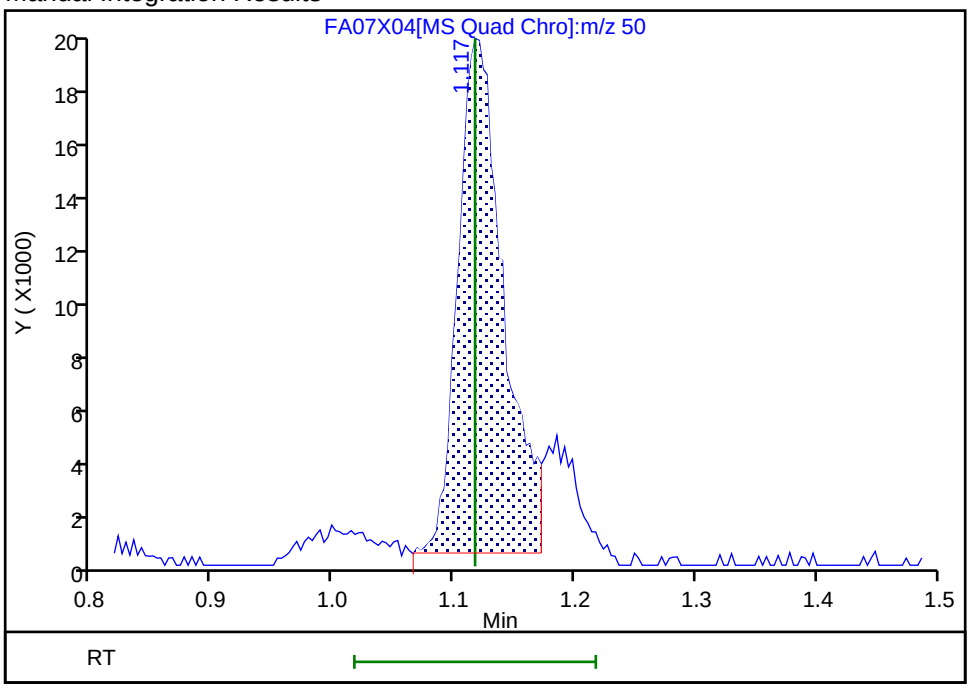
Processing Integration Results

RT: 1.12
Area: 60838
Amount: 4.794965
Amount Units: ug/l



Manual Integration Results

RT: 1.12
Area: 49209
Amount: 4.553927
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:31:44 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

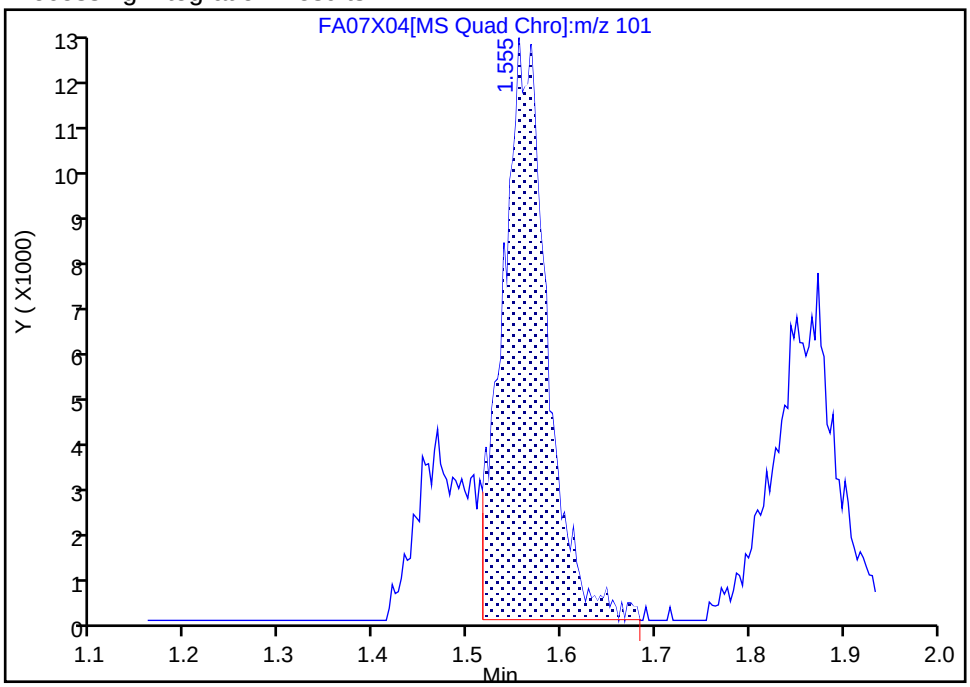
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

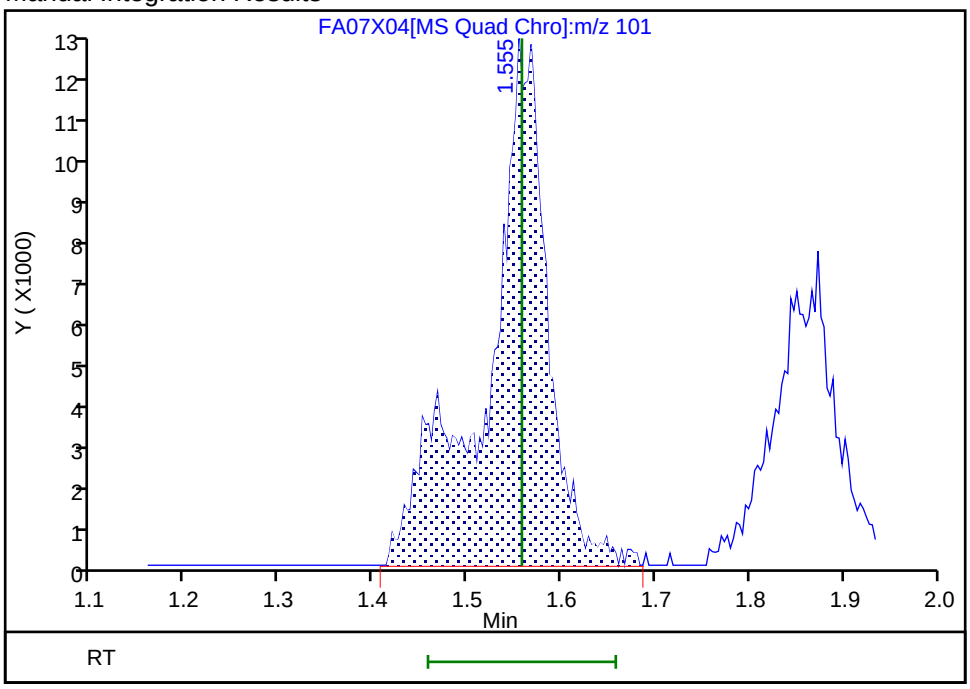
Processing Integration Results

RT: 1.55
Area: 39944
Amount: 3.357201
Amount Units: ug/l



Manual Integration Results

RT: 1.55
Area: 54110
Amount: 4.453010
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:32:02 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

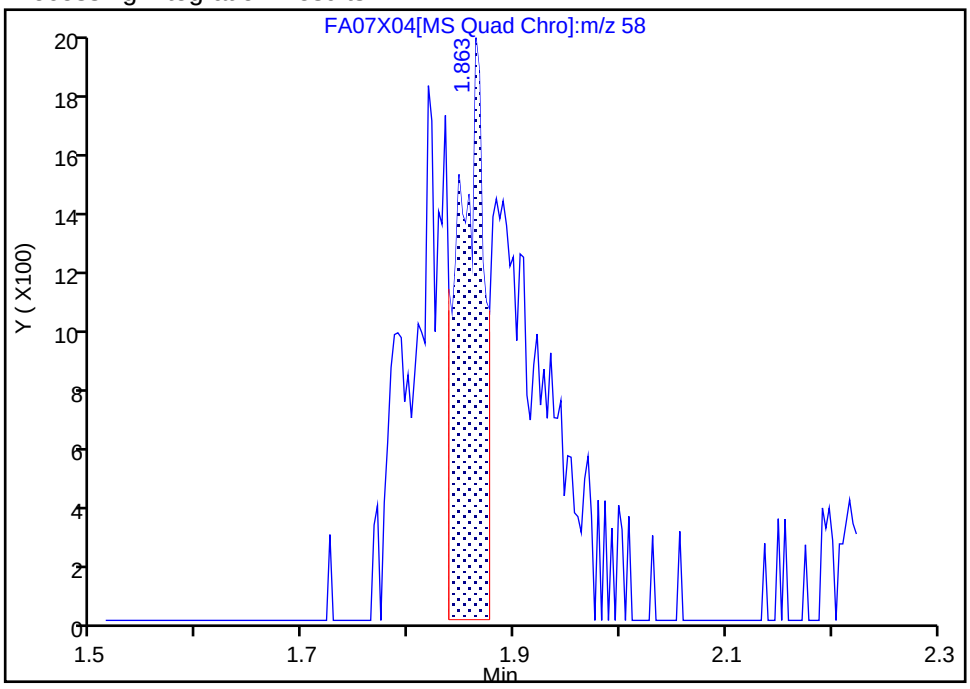
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

13 Acetone, CAS: 67-64-1

Signal: 1

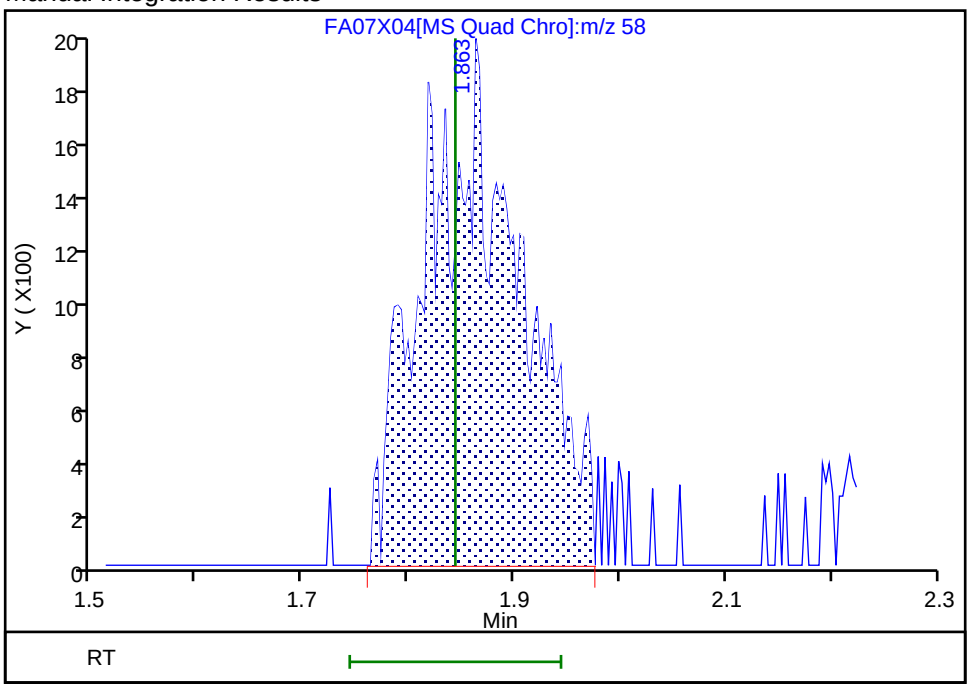
Processing Integration Results

RT: 1.86
Area: 3298
Amount: 3.056082
Amount Units: ug/l



Manual Integration Results

RT: 1.86
Area: 11972
Amount: 7.665430
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:32:13 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

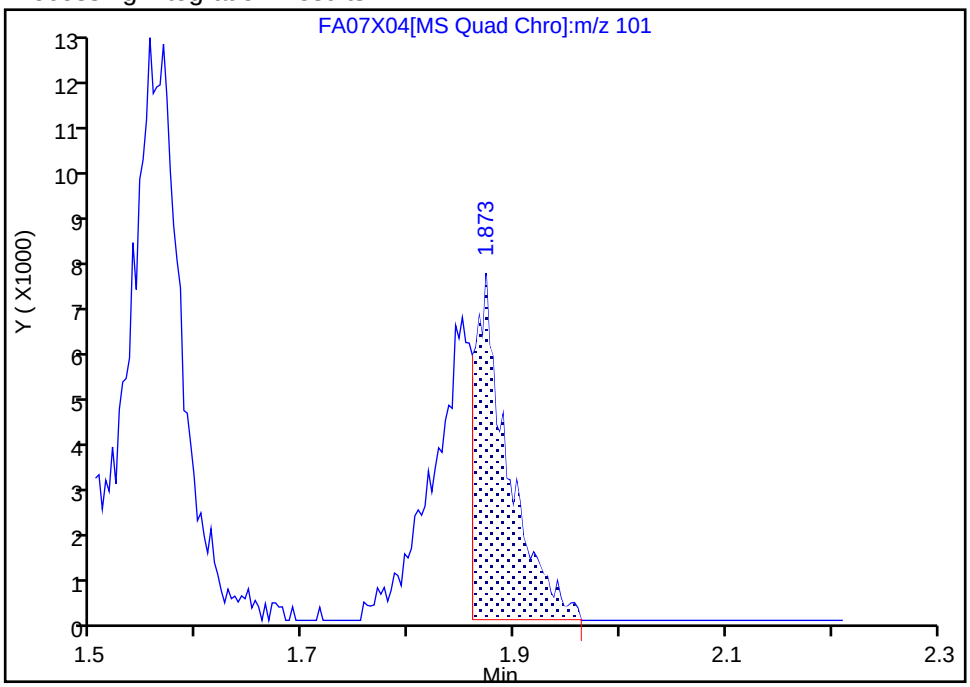
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

14 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

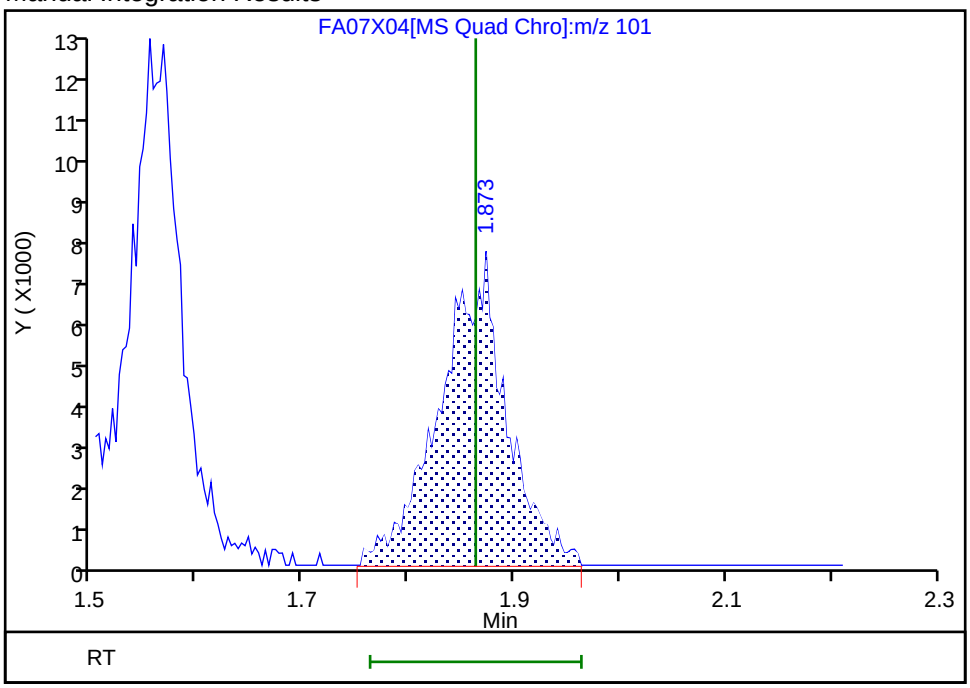
Processing Integration Results

RT: 1.87
Area: 15753
Amount: 2.921532
Amount Units: ug/l



Manual Integration Results

RT: 1.87
Area: 30992
Amount: 4.632269
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:32:28 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

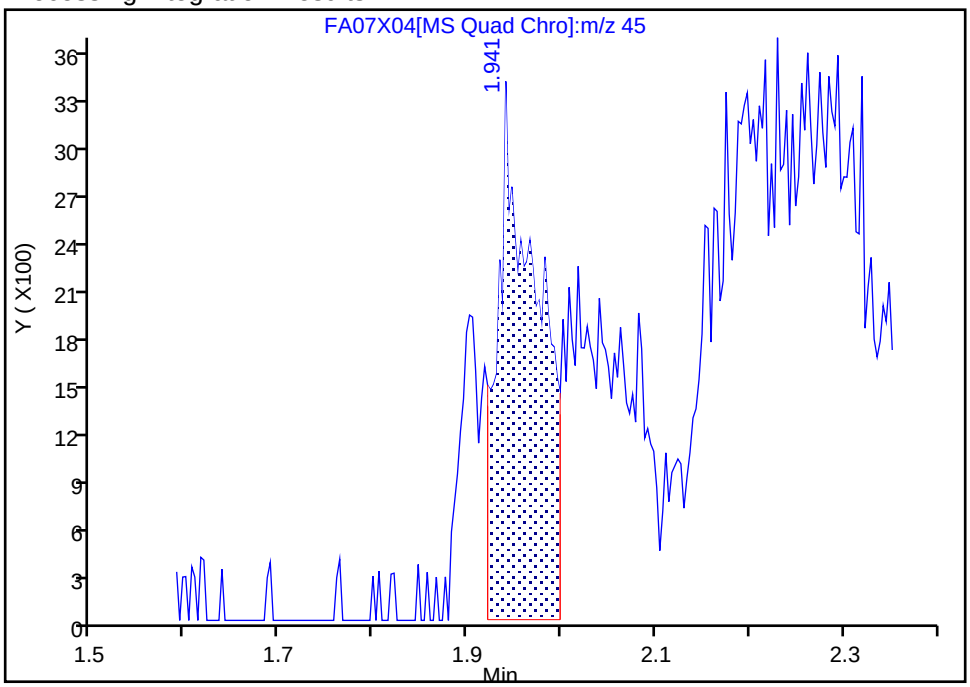
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

16 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

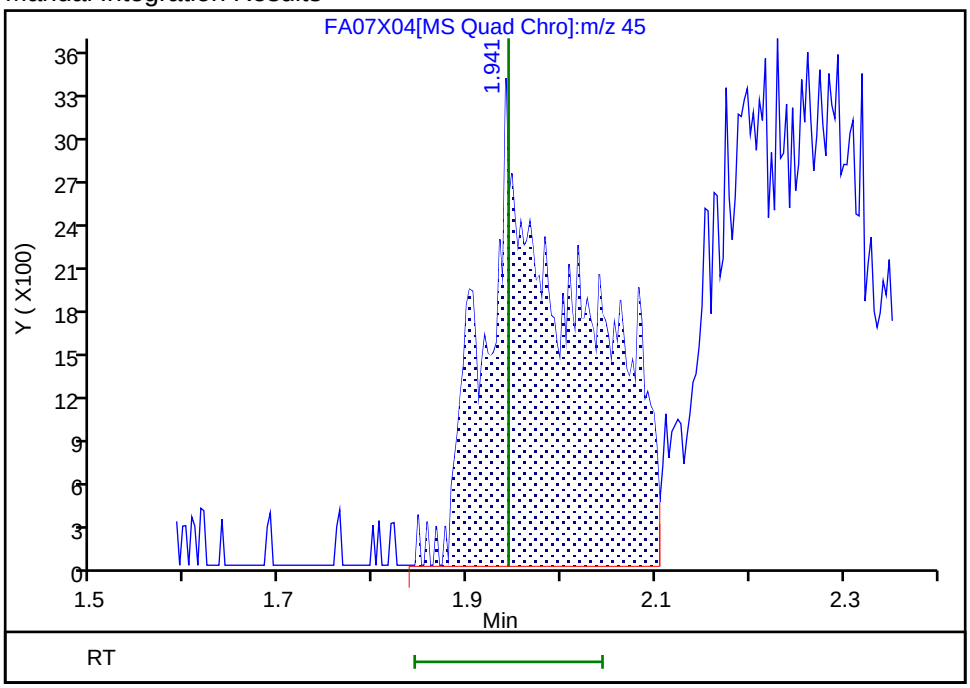
Processing Integration Results

RT: 1.94
Area: 9738
Amount: 13.310740
Amount Units: ug/l



Manual Integration Results

RT: 1.94
Area: 22714
Amount: 16.897154
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:32:49 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

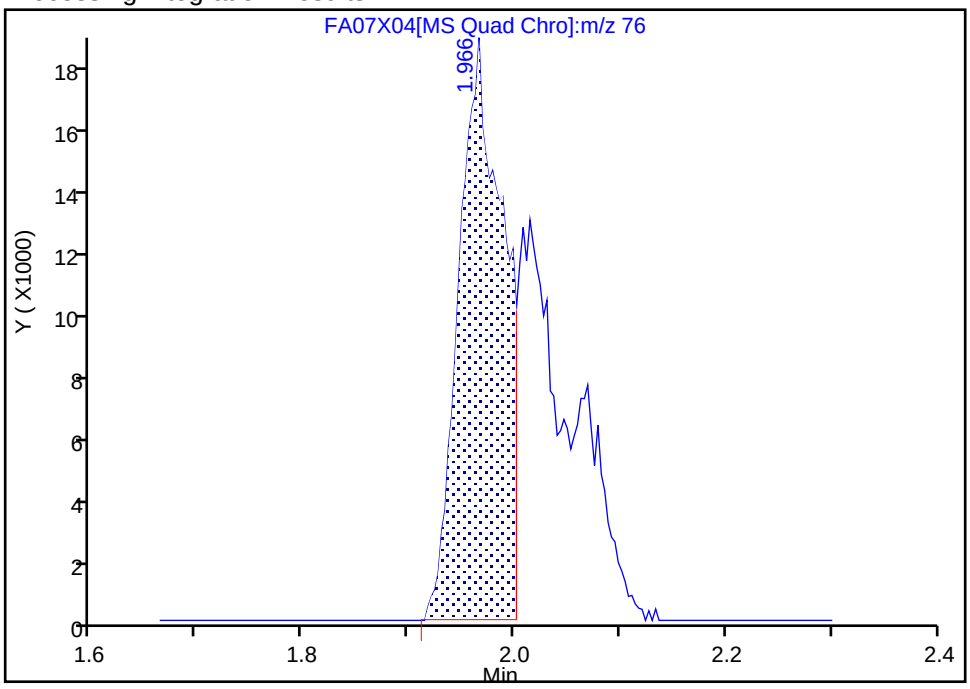
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

17 Carbon disulfide, CAS: 75-15-0

Signal: 1

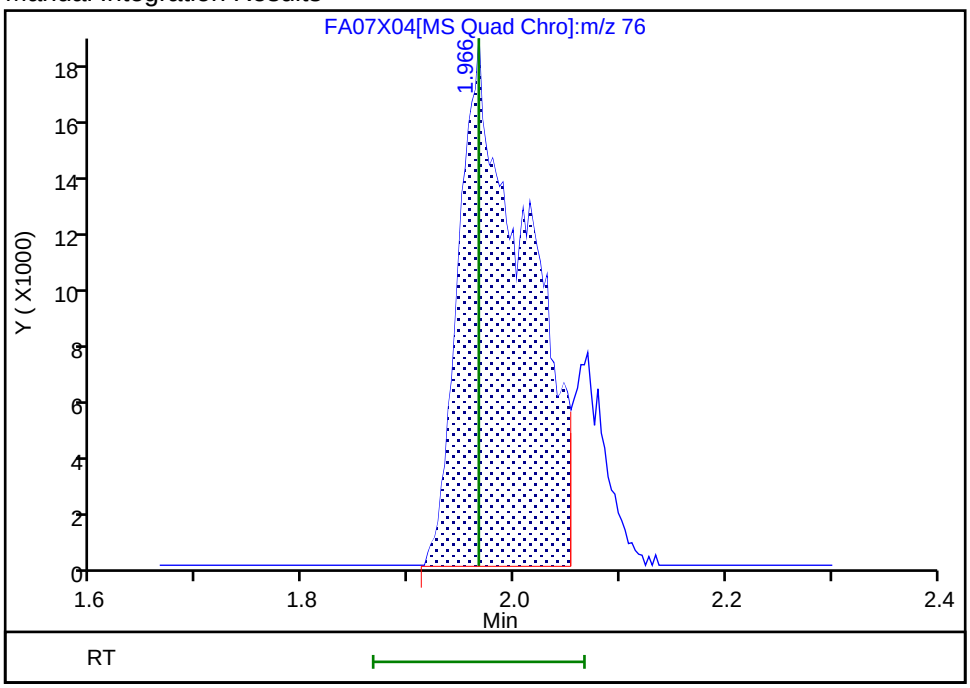
Processing Integration Results

RT: 1.97
Area: 55224
Amount: 3.564123
Amount Units: ug/l



Manual Integration Results

RT: 1.97
Area: 83998
Amount: 4.229245
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:33:03 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

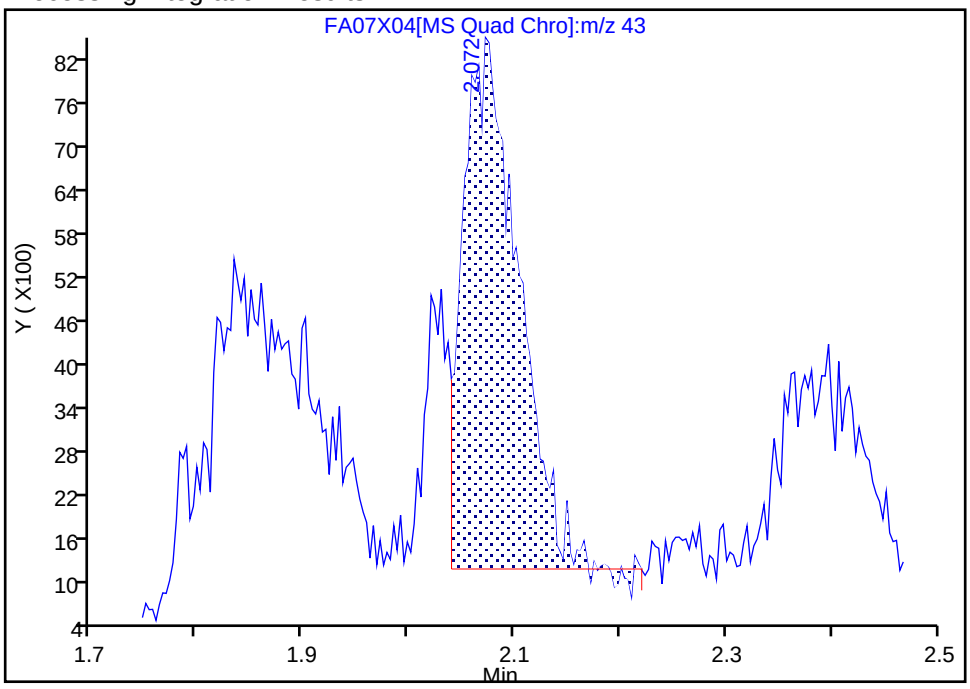
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Methyl acetate, CAS: 79-20-9

Signal: 1

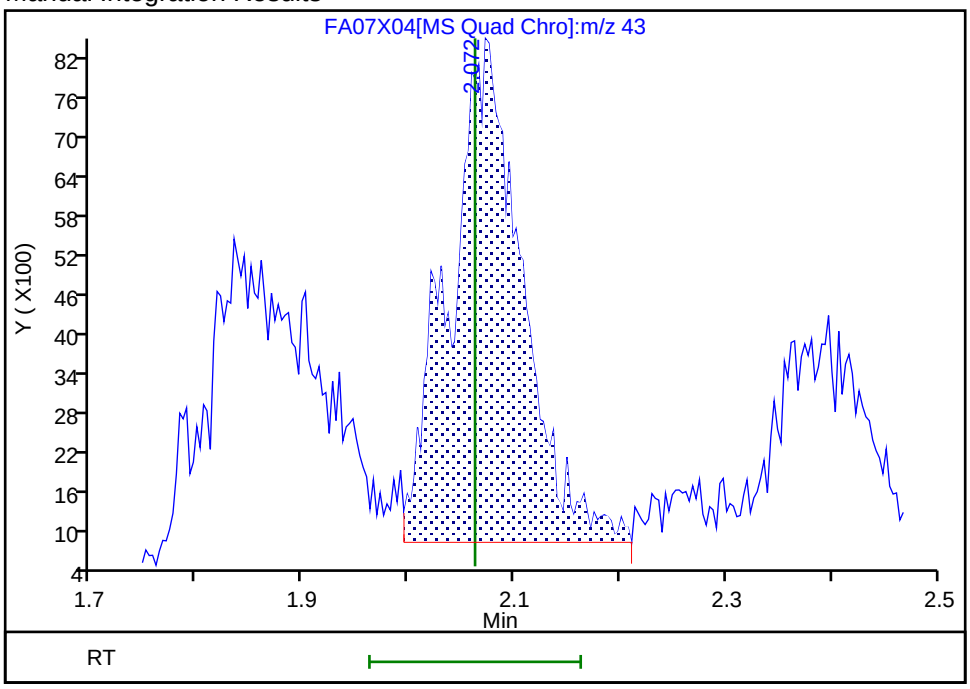
Processing Integration Results

RT: 2.07
Area: 26313
Amount: 3.355229
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 36562
Amount: 4.064404
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:33:19 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

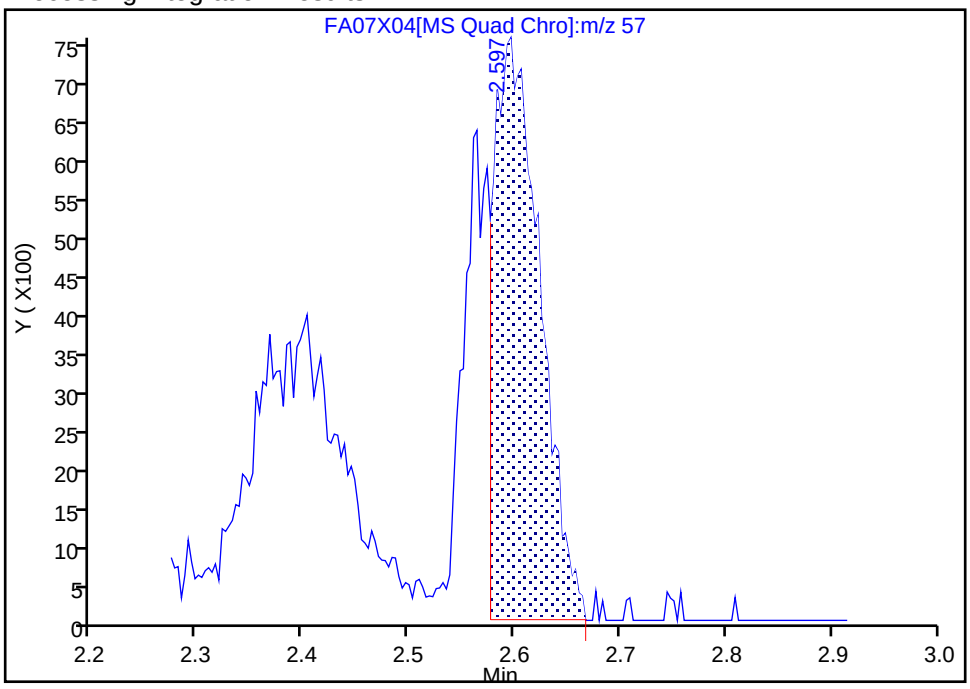
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D
Injection Date: 07-Apr-2025 15:43:27 Instrument ID: 15830
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 54 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 Hexane, CAS: 110-54-3

Signal: 1

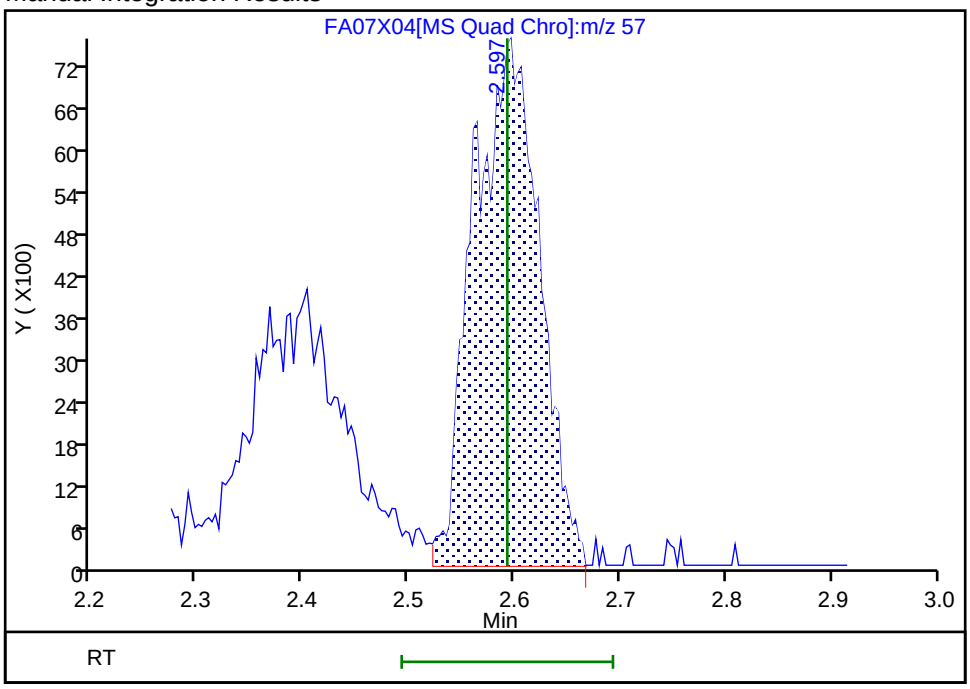
Processing Integration Results

RT: 2.60
Area: 22688
Amount: 3.572603
Amount Units: ug/l



Manual Integration Results

RT: 2.60
Area: 32598
Amount: 4.339076
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:33:35 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

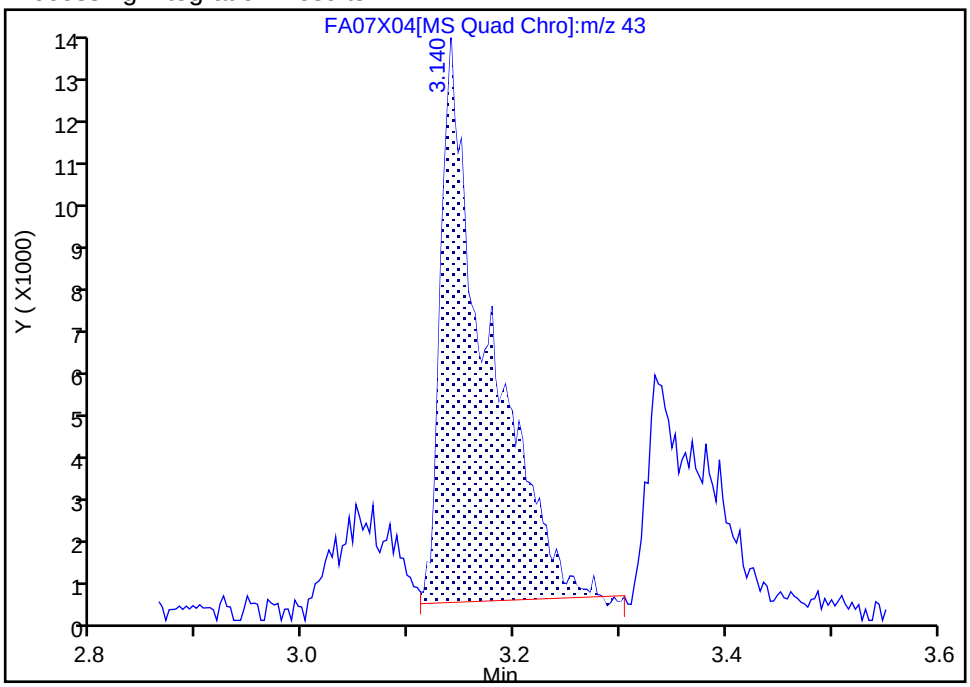
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

31 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

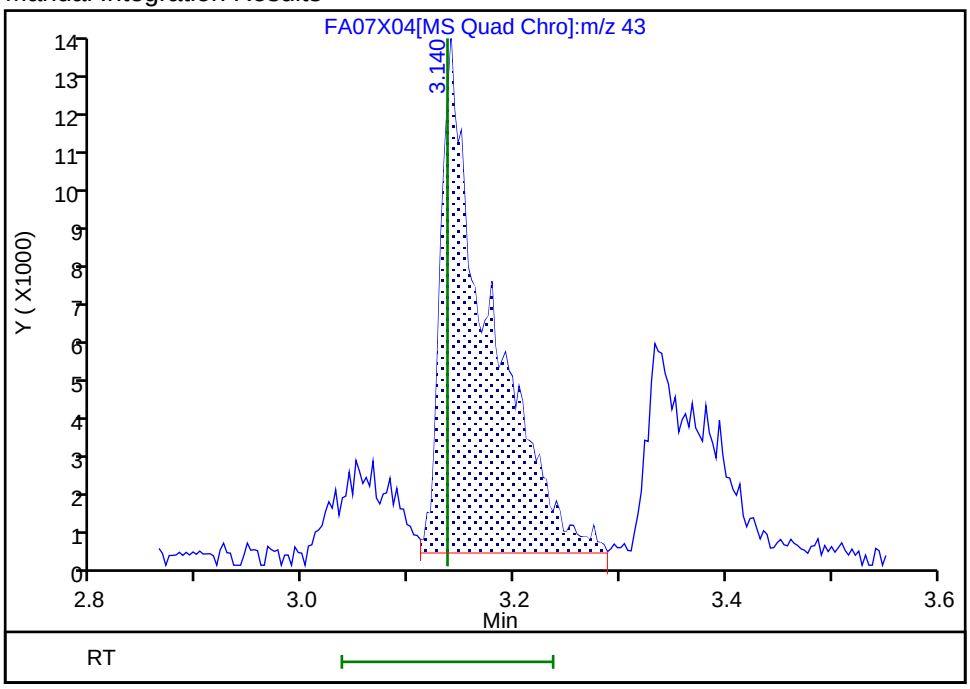
Processing Integration Results

RT: 3.14
Area: 41043
Amount: 7.211925
Amount Units: ug/l



Manual Integration Results

RT: 3.14
Area: 42411
Amount: 6.937486
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:33:59 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

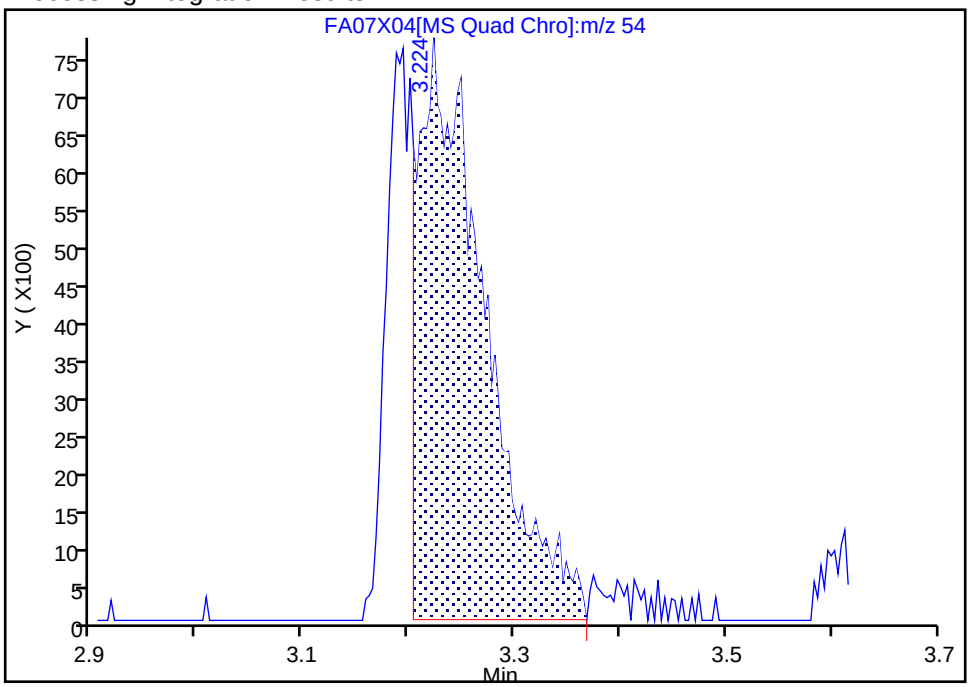
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

34 Propionitrile, CAS: 107-12-0

Signal: 1

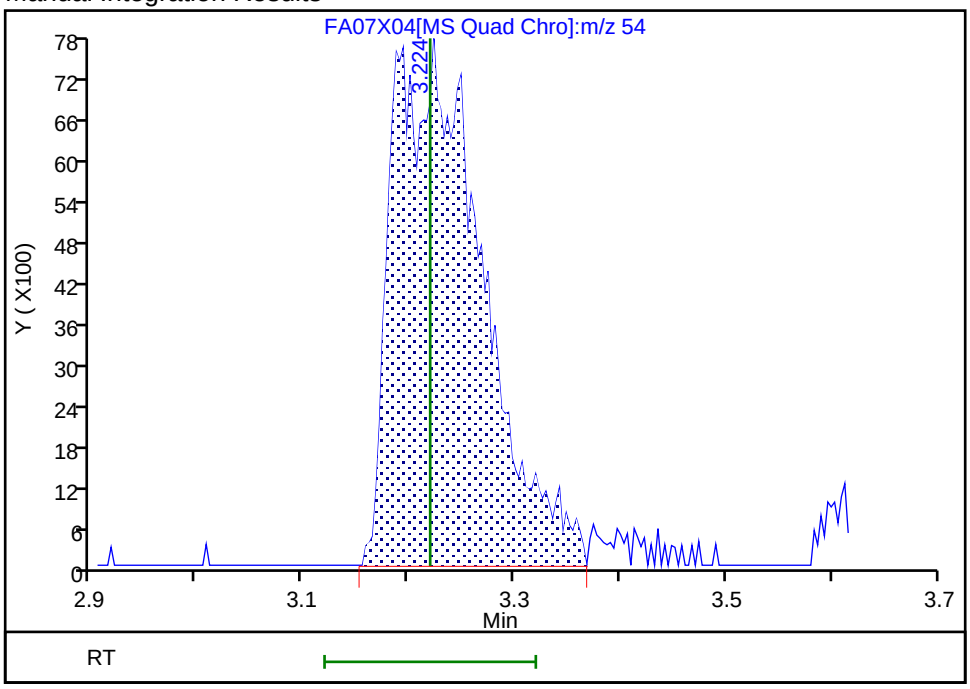
Processing Integration Results

RT: 3.22
Area: 33767
Amount: 17.862905
Amount Units: ug/l



Manual Integration Results

RT: 3.22
Area: 45407
Amount: 18.084977
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:34:08 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

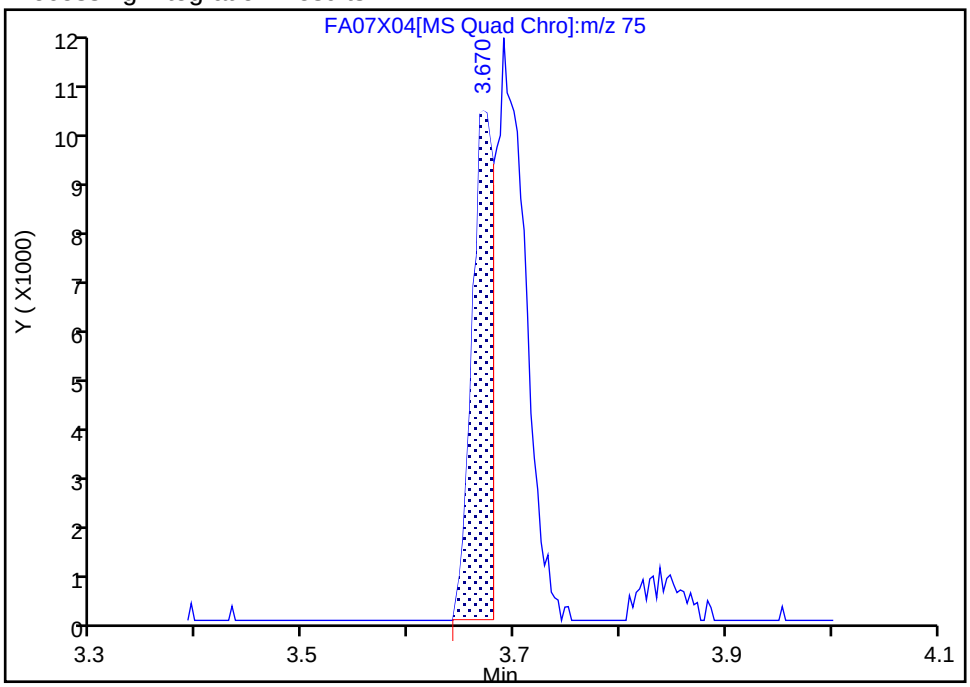
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

43 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

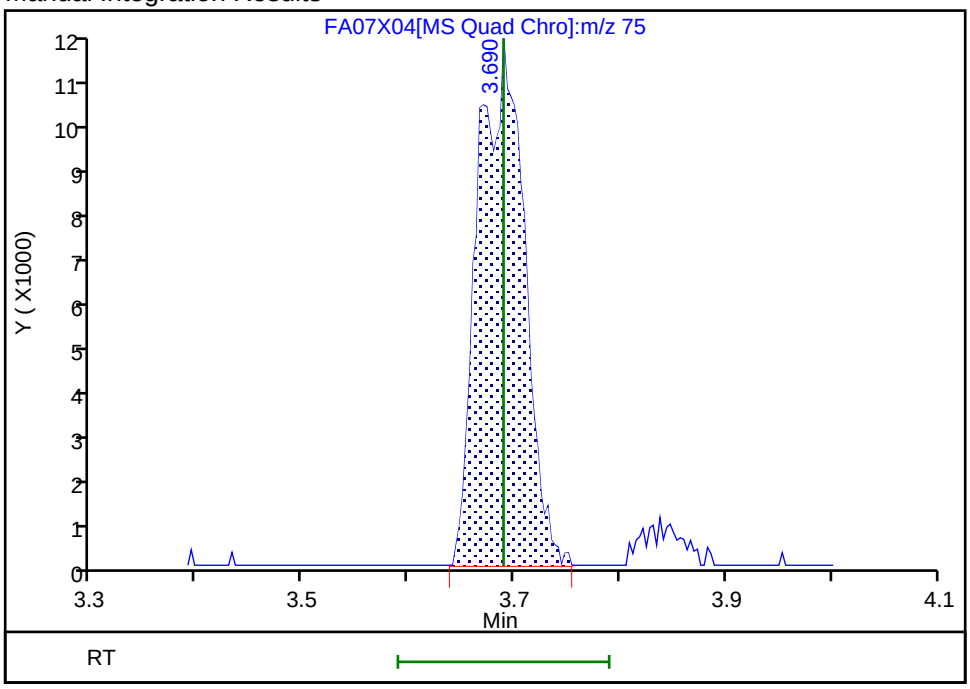
Processing Integration Results

RT: 3.67
Area: 13739
Amount: 1.875374
Amount Units: ug/l



Manual Integration Results

RT: 3.69
Area: 34335
Amount: 4.070251
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:34:21 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

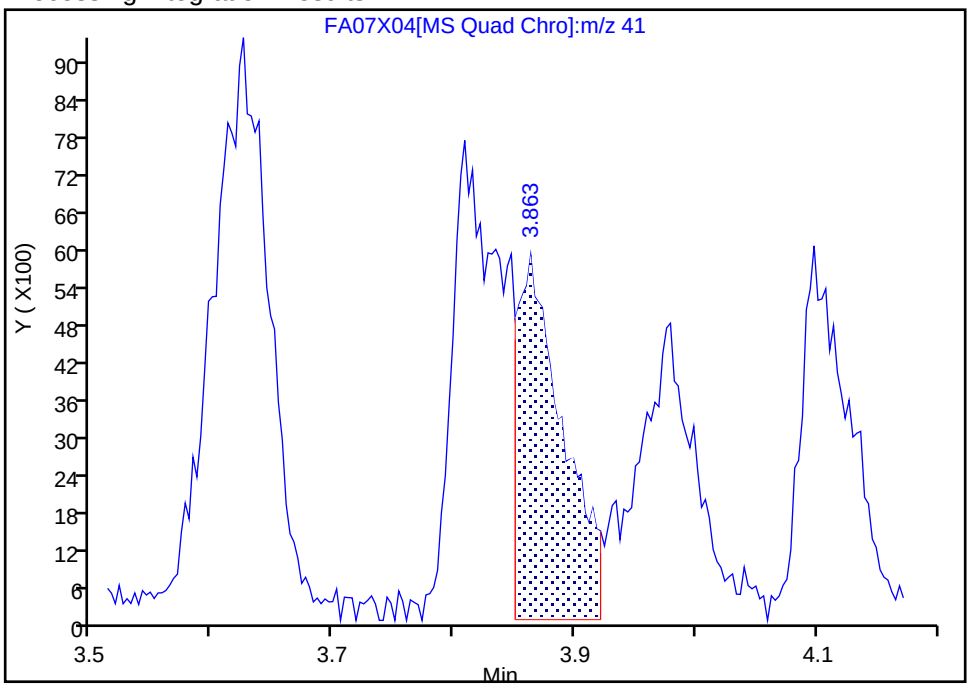
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

45 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

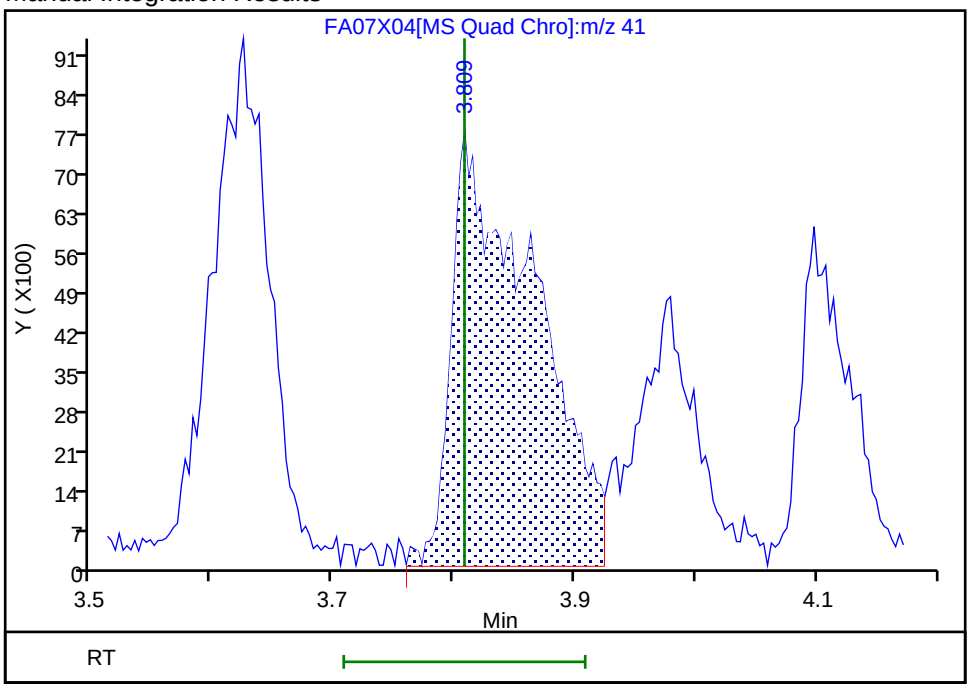
Processing Integration Results

RT: 3.86
Area: 15622
Amount: 24.868311
Amount Units: ug/l



Manual Integration Results

RT: 3.81
Area: 36879
Amount: 44.687063
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:34:46 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

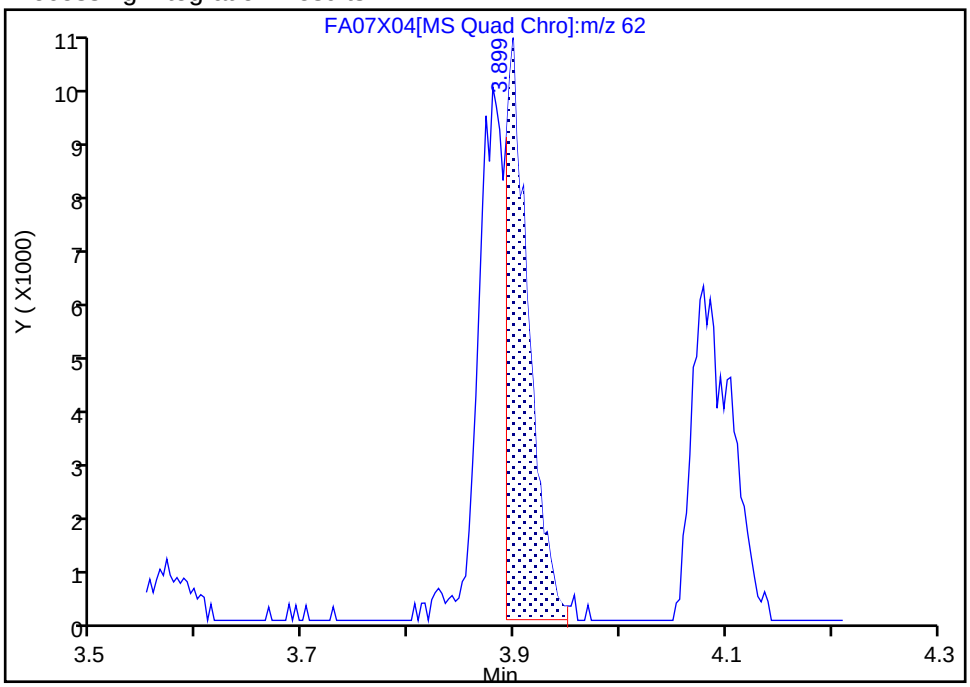
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

48 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

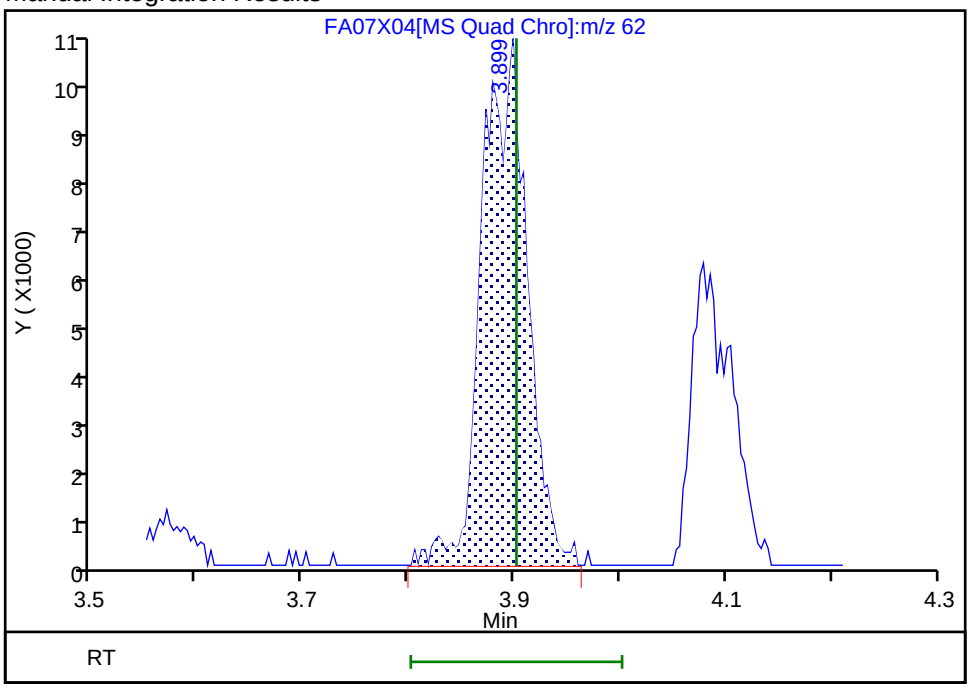
Processing Integration Results

RT: 3.90
Area: 15992
Amount: 2.190267
Amount Units: ug/l



Manual Integration Results

RT: 3.90
Area: 32399
Amount: 3.974202
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:35:00 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

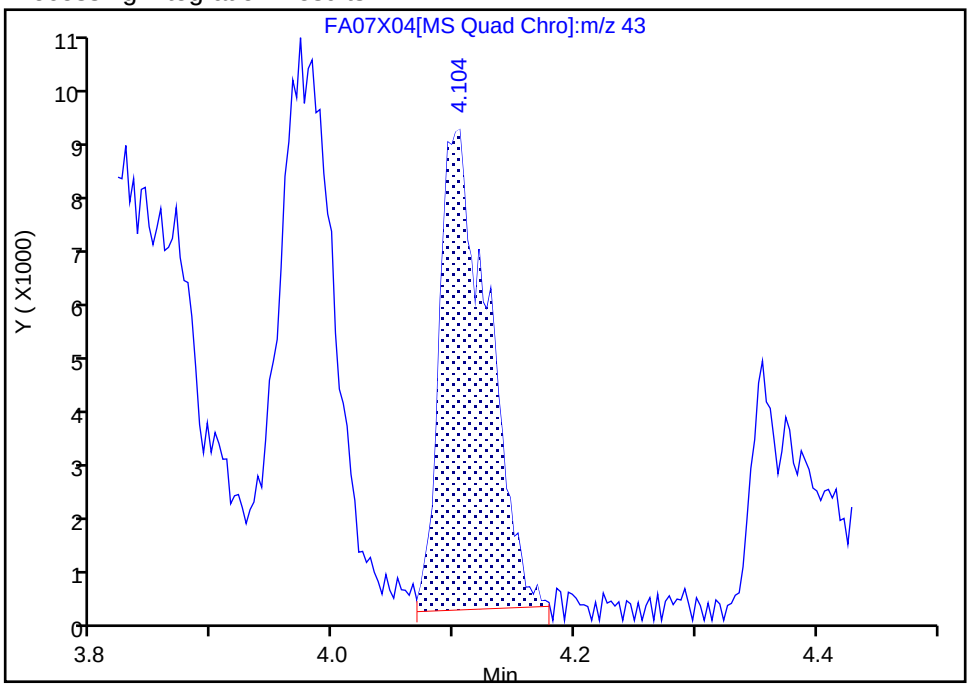
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

51 n-Heptane, CAS: 142-82-5

Signal: 1

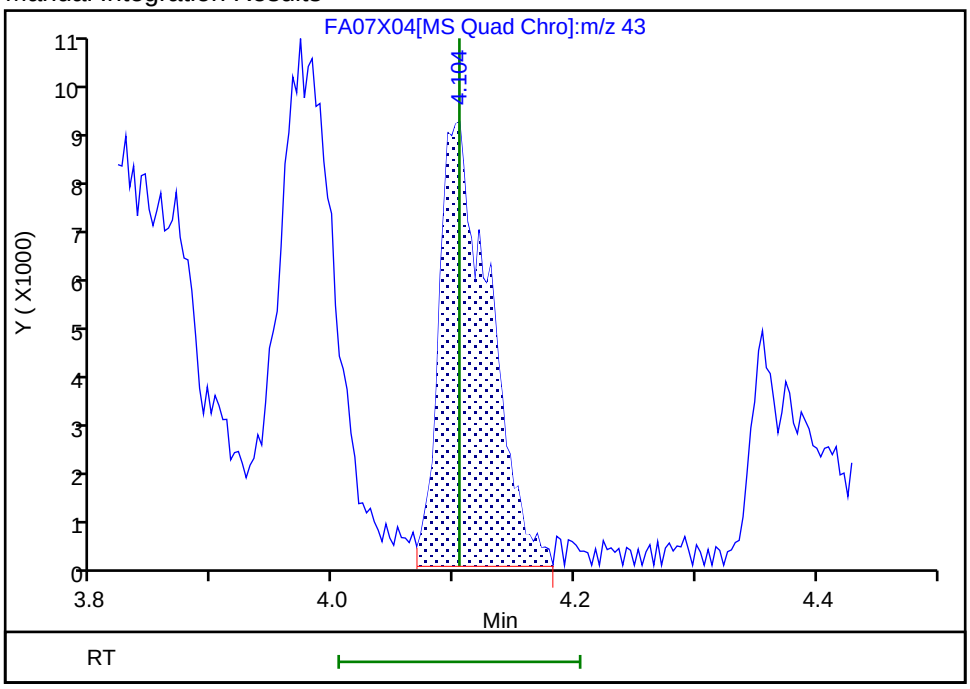
Processing Integration Results

RT: 4.10
Area: 24366
Amount: 4.530634
Amount Units: ug/l



Manual Integration Results

RT: 4.10
Area: 25729
Amount: 4.374732
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 18:05:33 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

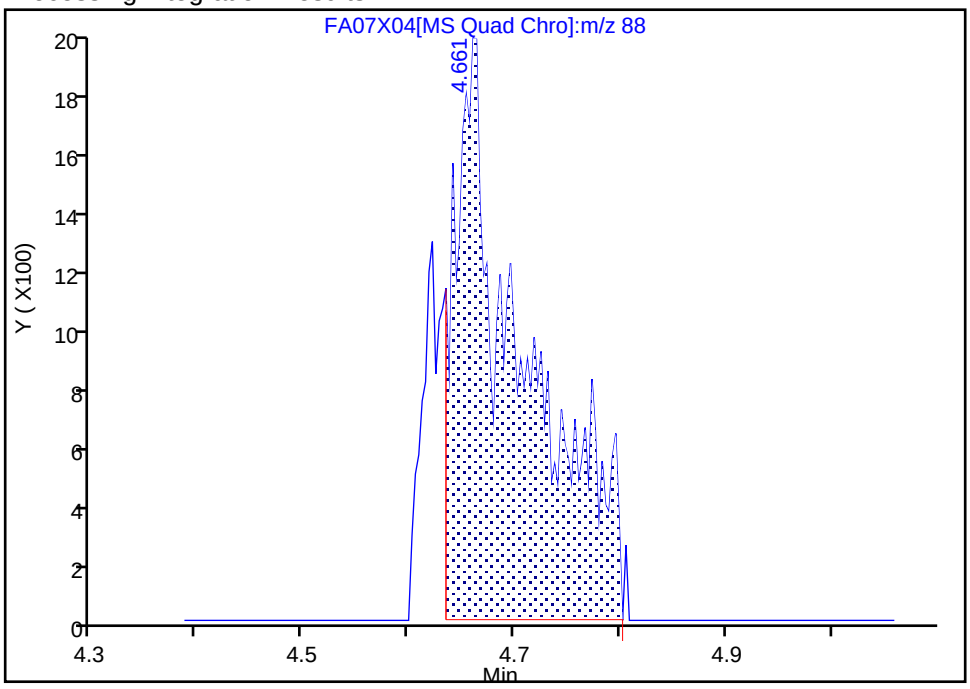
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X04.D				
Injection Date:	07-Apr-2025 15:43:27	Instrument ID:	15830		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	54	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

57 1,4-Dioxane, CAS: 123-91-1

Signal: 1

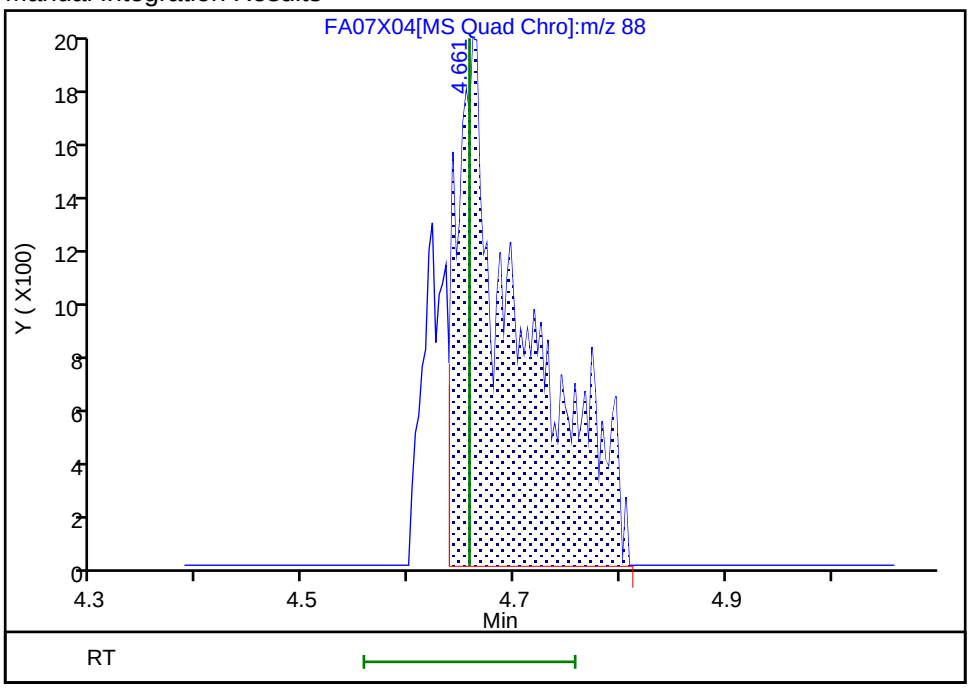
Processing Integration Results

RT: 4.66
Area: 8928
Amount: 50.047048
Amount Units: ug/l



Manual Integration Results

RT: 4.66
Area: 8758
Amount: 50.060605
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:35:31 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X05.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-Apr-2025 16:02:38 ALS Bottle#: 55 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v10
Misc. Info.: 410-0143206-006
Operator ID: knk41612 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 08-Apr-2025 09:23:41 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: JS6E Date: 07-Apr-2025 17:31:16

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Dichlorodifluoromethane	85	1.011	1.011	0.000	98	132912	10.0	13.5	
2	Chloromethane	50	1.117	1.117	0.000	99	151720	10.0	13.7	M
4	Vinyl chloride	62	1.182	1.175	0.007	98	127138	10.0	13.2	
3	Butadiene	39	1.188	1.182	0.006	93	140996	10.0	12.5	
5	Bromomethane	94	1.359	1.358	0.001	92	87433	10.0	12.8	
6	Chloroethane	64	1.368	1.371	-0.003	75	70932	10.0	12.5	
7	Pentane	43	1.523	1.519	0.004	97	63934	10.0	6.45	
8	Dichlorofluoromethane	67	1.545	1.542	0.003	97	210770	10.0	12.8	
9	Trichlorofluoromethane	101	1.558	1.558	0.000	98	164925	10.0	13.2	M
10	1,2-Dichloro-1,1,2-trifluoroetha	67	1.732	1.728	0.004	79	106425	10.0	12.6	
11	Acrolein	56	1.751	1.741	0.010	100	294011	97.6	108.2	
12	1,1-Dichloroethene	96	1.805	1.809	-0.004	97	51982	10.0	8.82	
13	Acetone	58	1.838	1.844	-0.006	98	31052	20.0	20.2	
14	1,1,2-Trichloro-1,2,2-trifluoroe	101	1.857	1.863	-0.006	91	51305	10.0	7.46	
15	Iodomethane	142	1.921	1.928	-0.007	98	108081	10.0	8.90	
16	Isopropyl alcohol	45	1.944	1.944	0.000	34	53162	50.0	40.3	M
17	Carbon disulfide	76	1.963	1.966	-0.003	100	173890	10.0	8.52	
19	Methyl acetate	43	2.069	2.063	0.006	83	82677	10.0	8.94	M
18	3-Chloro-1-propene	41	2.069	2.066	0.003	88	82792	10.0	7.90	
20	Methylene Chloride	84	2.178	2.175	0.003	91	63528	10.0	8.82	
* 21	t-Butyl alcohol-d10 (IS)	65	2.207	2.275	-0.068	93	837051	250.0	250.0	
22	2-Methyl-2-propanol	59	2.330	2.336	-0.006	51	146653	50.0	44.3	
23	Acrylonitrile	53	2.349	2.352	-0.003	98	117896	25.0	23.1	
24	trans-1,2-Dichloroethene	96	2.375	2.374	0.001	99	58182	10.0	8.67	
25	Methyl tert-butyl ether	73	2.378	2.403	-0.025	90	192818	10.0	8.82	
26	Hexane	57	2.600	2.593	0.007	93	42147	10.0	5.46	M
27	1,1-Dichloroethane	63	2.715	2.718	-0.003	96	99956	10.0	8.56	
28	Isopropyl ether	45	2.764	2.767	-0.003	94	167299	10.0	8.71	
29	2-Chloro-1,3-butadiene	53	2.777	2.773	0.003	94	87196	10.0	8.40	
30	Tert-butyl ethyl ether	59	3.043	3.053	-0.010	97	187208	10.0	8.82	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 2-Butanone (MEK)	43	3.137	3.136	0.001	100	139528	20.0	22.2	
32 cis-1,2-Dichloroethene	96	3.169	3.169	0.000	80	66520	10.0	8.60	
33 2,2-Dichloropropane	77	3.191	3.191	0.000	89	92057	10.0	8.38	
34 Propionitrile	54	3.227	3.220	0.007	75	99757	50.0	40.5	M
35 Methacrylonitrile	67	3.304	3.336	-0.032	90	91975	25.0	21.8	
37 Tetrahydrofuran	71	3.333	3.336	-0.003	81	89446	50.0	40.5	
36 Chlorobromomethane	128	3.362	3.352	0.010	93	32845	10.0	8.88	
39 Chloroform	83	3.452	3.448	0.004	93	100067	10.0	8.62	
$ 40 Dibromofluoromethane (Surr)	113	3.574	3.571	0.003	93	341804	50.0	50.9	
41 1,1,1-Trichloroethane	97	3.574	3.574	0.000	44	90273	10.0	8.53	
42 Cyclohexane	56	3.625	3.625	0.000	89	77646	10.0	6.47	
43 1,1-Dichloropropene	75	3.696	3.690	0.006	95	70317	10.0	8.11	
44 Carbon tetrachloride	117	3.693	3.696	-0.003	88	65769	10.0	7.76	
45 Isobutyl alcohol	41	3.815	3.808	0.007	95	81205	125.0	100.2	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.841	3.831	0.010	79	80314	50.0	49.9	
47 Benzene	78	3.847	3.847	0.000	95	209267	10.0	8.42	
48 1,2-Dichloroethane	62	3.895	3.902	-0.007	96	70706	10.0	8.44	
49 Tert-amyl methyl ether	73	3.976	3.979	-0.003	98	179599	10.0	8.70	
* 50 Fluorobenzene (IS)	96	4.098	4.098	0.000	99	1192854	50.0	50.0	
51 n-Heptane	43	4.095	4.104	-0.009	37	27739	10.0	4.59	M
52 n-Butanol	56	4.352	4.355	-0.003	89	67713	125.0	99.2	
53 Trichloroethene	95	4.381	4.394	-0.013	98	51235	10.0	8.27	
54 Methylcyclohexane	83	4.580	4.583	-0.003	90	61681	10.0	5.22	
55 1,2-Dichloropropane	63	4.593	4.596	-0.003	93	46178	10.0	8.09	
56 2-ethoxy-2-methyl butane	87	4.629	4.625	0.004	95	89133	10.0	8.55	
57 1,4-Dioxane	88	4.654	4.657	-0.003	63	21623	125.0	125.8	M
58 Methyl methacrylate	69	4.667	4.670	-0.003	90	42051	10.0	8.12	
59 Dibromomethane	93	4.667	4.673	-0.006	95	33764	10.0	8.65	
60 Dichlorobromomethane	83	4.831	4.831	0.000	98	51660	10.0	7.68	
61 2-Nitropropane	41	5.008	5.011	-0.003	98	94550	50.0	34.0	
62 2-Chloroethyl vinyl ether	63	5.082	5.082	0.000	92	37903	10.0	10.4	
63 cis-1,3-Dichloropropene	75	5.198	5.197	0.001	95	60339	10.0	7.70	
64 4-Methyl-2-pentanone (MIBK)	43	5.339	5.339	0.000	97	237962	20.0	21.9	
$ 65 Toluene-d8 (Surr)	98	5.416	5.416	0.000	93	1050269	50.0	49.7	
66 Toluene	92	5.474	5.474	0.000	98	110074	10.0	8.04	
67 trans-1,3-Dichloropropene	75	5.680	5.680	0.000	94	52254	10.0	7.67	
68 Ethyl methacrylate	69	5.741	5.741	0.000	88	72168	10.0	8.56	
69 1,1,2-Trichloroethane	97	5.821	5.824	-0.003	91	37963	10.0	8.35	
70 Tetrachloroethene	166	5.873	5.873	0.000	95	43026	10.0	7.50	
71 1,3-Dichloropropane	76	5.937	5.937	0.000	92	64167	10.0	8.45	
72 2-Hexanone	43	5.998	5.995	0.003	97	179442	20.0	22.7	
73 Chlorodibromomethane	129	6.091	6.091	0.000	89	34856	10.0	7.71	
S 74 1,2-Dichloroethene, Total	100				0			17.3	
75 Ethylene Dibromide	107	6.159	6.159	0.000	99	42711	10.0	8.56	
* 76 Chlorobenzene-d5 (IS)	117	6.481	6.480	0.001	86	794766	50.0	50.0	
77 Chlorobenzene	112	6.500	6.500	0.000	96	119434	10.0	8.10	
78 1-Chlorohexane	91	6.506	6.506	0.000	96	48575	10.0	6.64	
79 1,1,1,2-Tetrachloroethane	131	6.564	6.567	-0.003	93	46306	10.0	8.04	
80 Ethylbenzene	91	6.571	6.570	0.001	98	219920	10.0	7.99	
81 m-Xylene & p-Xylene	106	6.657	6.657	0.000	99	171309	20.0	15.9	
82 o-Xylene	106	6.895	6.895	0.000	97	92932	10.0	8.13	
83 Styrene	104	6.908	6.908	0.000	94	140386	10.0	8.38	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Bromoform	173	7.008	7.008	0.000	95	25897	10.0	8.11	
85 Isopropylbenzene	105	7.120	7.120	0.000	96	202353	10.0	7.41	
$ 86 4-Bromofluorobenzene (Surr)	95	7.217	7.217	0.000	86	444100	50.0	52.0	
87 Bromobenzene	156	7.291	7.291	0.000	94	52841	10.0	7.96	
88 1,1,2,2-Tetrachloroethane	83	7.307	7.307	0.000	96	83621	10.0	8.56	
89 trans-1,4-Dichloro-2-butene	53	7.326	7.326	0.000	85	59092	25.0	20.2	
90 1,2,3-Trichloropropane	110	7.329	7.332	-0.003	86	28698	10.0	8.85	
91 N-Propylbenzene	91	7.358	7.361	-0.003	99	250138	10.0	7.27	
92 2-Chlorotoluene	126	7.407	7.406	0.001	97	55300	10.0	7.64	
93 1,3,5-Trimethylbenzene	105	7.468	7.464	0.004	94	178961	10.0	6.92	
94 4-Chlorotoluene	126	7.474	7.474	0.000	98	52512	10.0	7.68	
95 tert-Butylbenzene	134	7.638	7.638	0.000	93	31799	10.0	6.10	
96 1,2,4-Trimethylbenzene	105	7.670	7.670	0.000	97	188021	10.0	7.22	
97 sec-Butylbenzene	105	7.760	7.760	0.000	94	192134	10.0	6.24	
98 1,3-Dichlorobenzene	146	7.818	7.818	0.000	97	99257	10.0	7.64	
99 4-Isopropyltoluene	119	7.844	7.844	0.000	97	174709	10.0	6.48	
* 100 1,4-Dichlorobenzene-d4	152	7.863	7.863	0.000	95	503547	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.876	7.876	0.000	95	101836	10.0	7.79	
102 1,2,3-Trimethylbenzene	105	7.892	7.892	0.000	98	201255	10.0	7.41	
103 Benzyl chloride	91	7.937	7.937	0.000	99	138589	10.0	7.20	
104 1,3-Diethylbenzene	119	7.995	7.995	0.000	95	97836	10.0	6.30	
105 p-Diethylbenzene	119	8.046	8.046	0.000	95	102760	10.0	6.31	
106 n-Butylbenzene	92	8.059	8.059	0.000	97	80453	10.0	6.23	
107 1,2-Dichlorobenzene	146	8.062	8.066	-0.004	98	105597	10.0	7.92	
108 o-diethylbenzene	119	8.098	8.098	0.000	95	84859	10.0	6.44	
109 1,2-Dibromo-3-Chloropropane	75	8.471	8.471	0.000	83	27701	10.0	7.87	
110 1,3,5-Trichlorobenzene	180	8.567	8.567	0.000	97	62535	10.0	6.64	
111 1,2,4-Trichlorobenzene	180	8.882	8.882	0.000	94	64565	10.0	6.84	
112 Hexachlorobutadiene	225	8.956	8.956	0.000	97	16147	10.0	5.10	
113 Naphthalene	128	9.014	9.014	0.000	97	339332	10.0	8.45	
114 1,2,3-Trichlorobenzene	180	9.124	9.123	0.001	95	67974	10.0	7.22	
115 2-Methylnaphthalene	142	9.567	9.567	0.000	93	153164	10.0	7.35	
S 139 1,3-Dichloropropene, Total	100				0			15.4	
S 140 Xylenes, Total	106				0			24.1	
S 141 Total Diethylbenzene	1				0			19.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00230	Amount Added:	2.00	Units: uL	
MSV_CCV_GASES_01005	Amount Added:	1.00	Units: uL	
MSV_CCV_VOC#3_00231	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00222	Amount Added:	2.00	Units: uL	
MSV_Cent_ISSS_00032	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 08-Apr-2025 09:23:42 Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X05.D

Injection Date: 07-Apr-2025 16:02:38 Instrument ID: 15830 Operator ID: knk41612

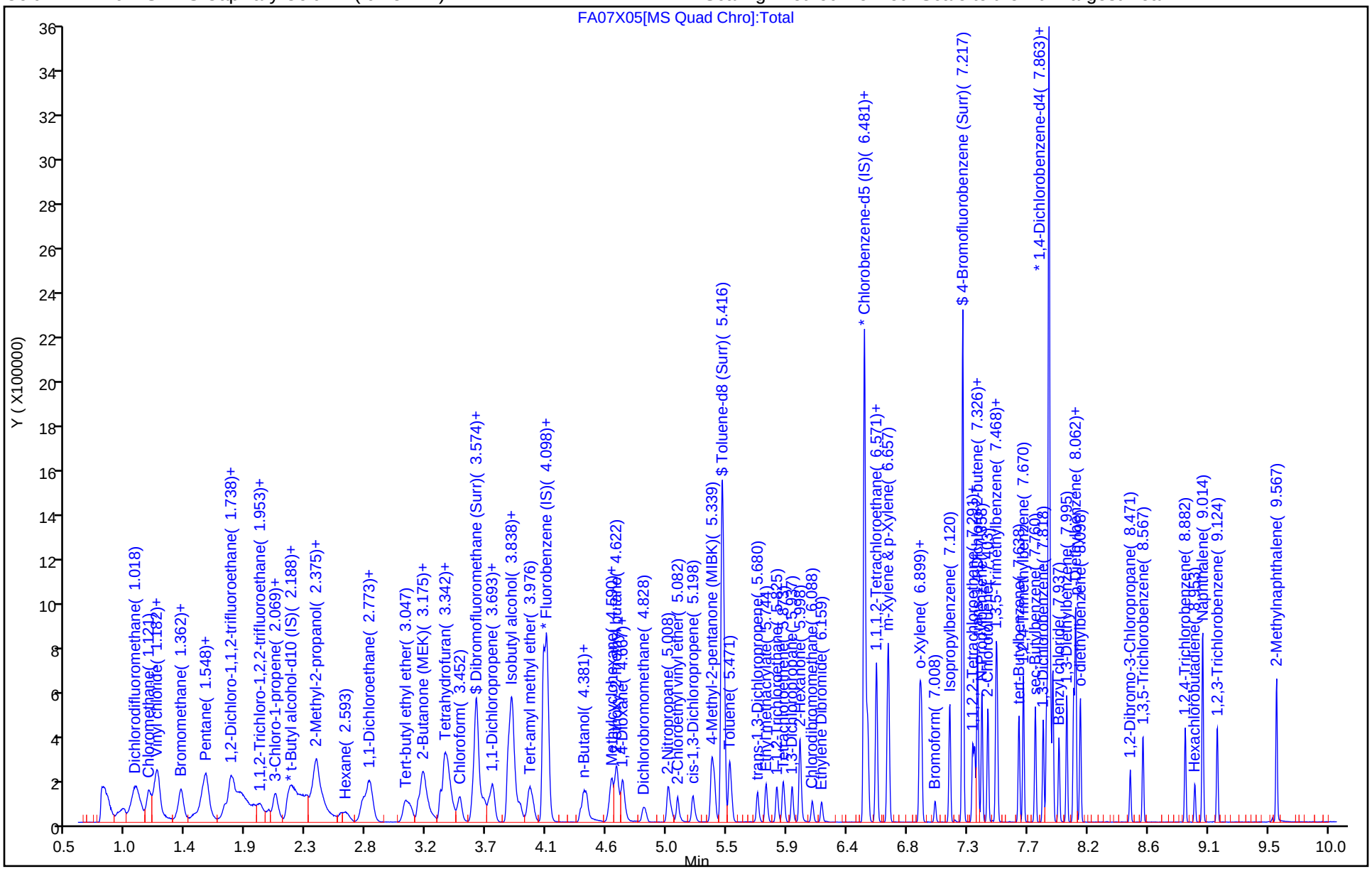
Lims ID: IC v10 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 55

Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

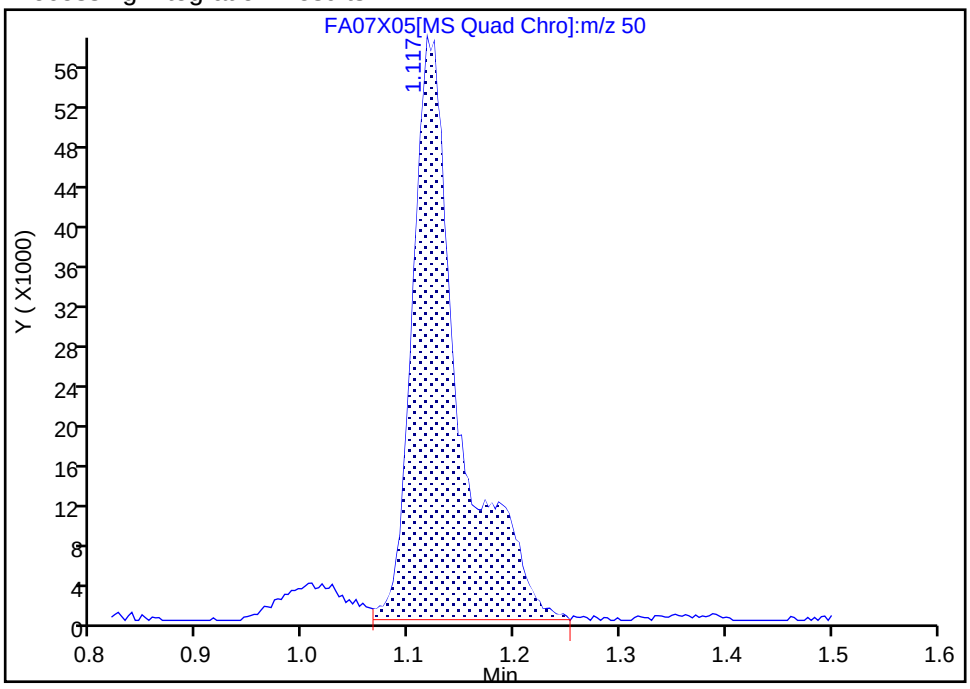
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X05.D				
Injection Date:	07-Apr-2025 16:02:38	Instrument ID:	15830		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	55	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Chloromethane, CAS: 74-87-3

Signal: 1

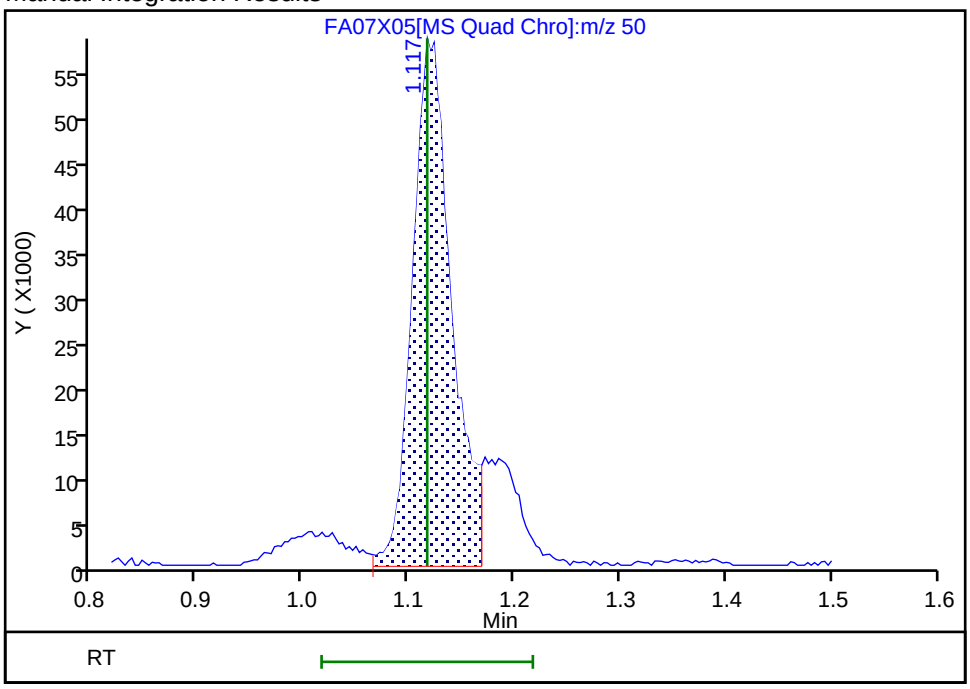
Processing Integration Results

RT: 1.12
Area: 179628
Amount: 13.303061
Amount Units: ug/l



Manual Integration Results

RT: 1.12
Area: 151720
Amount: 13.663924
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:28:50 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

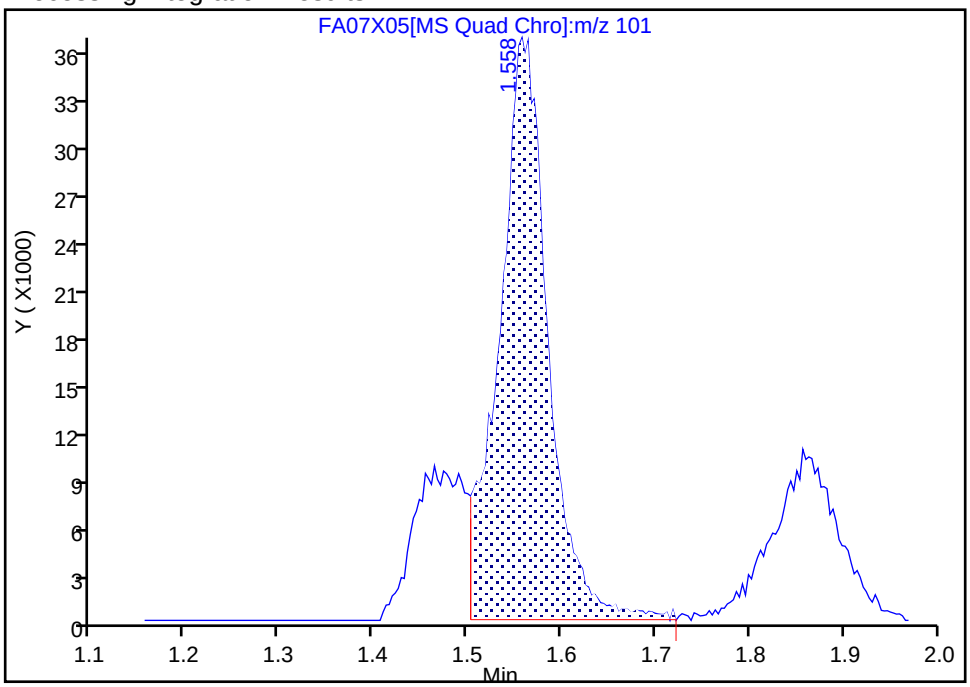
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X05.D
Injection Date: 07-Apr-2025 16:02:38 Instrument ID: 15830
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 55 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

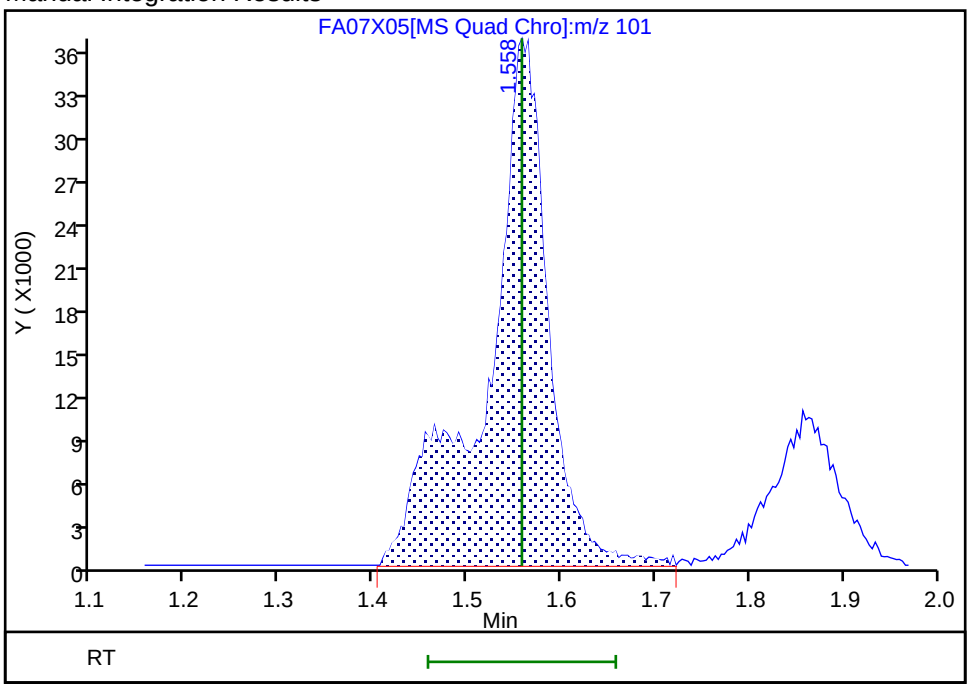
Processing Integration Results

RT: 1.56
Area: 130117
Amount: 11.494000
Amount Units: ug/l



Manual Integration Results

RT: 1.56
Area: 164925
Amount: 13.208507
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:29:06 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

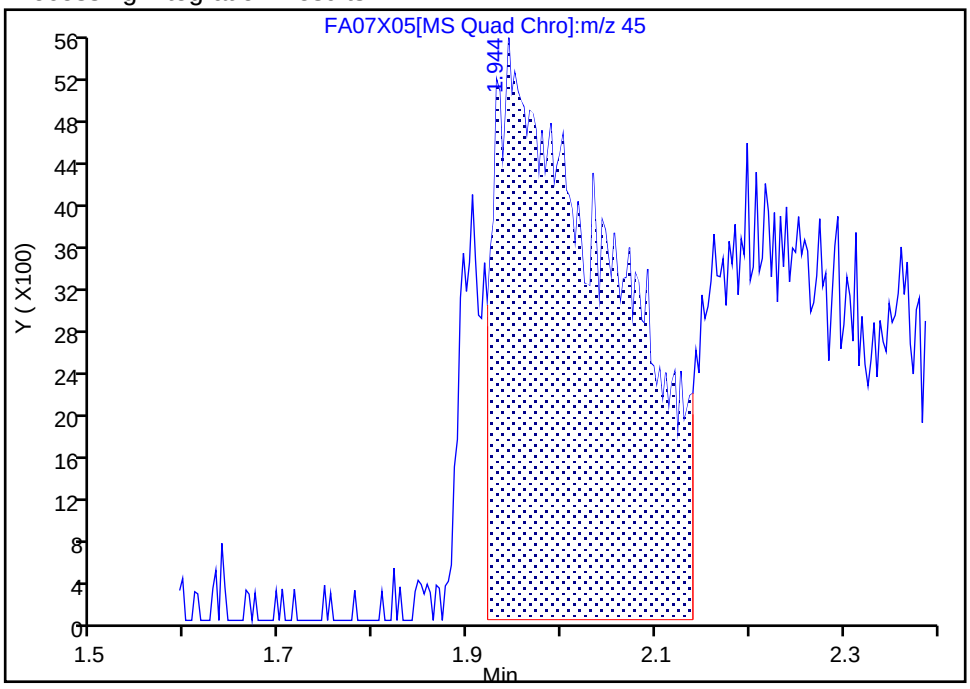
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X05.D				
Injection Date:	07-Apr-2025 16:02:38	Instrument ID:	15830		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	55	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

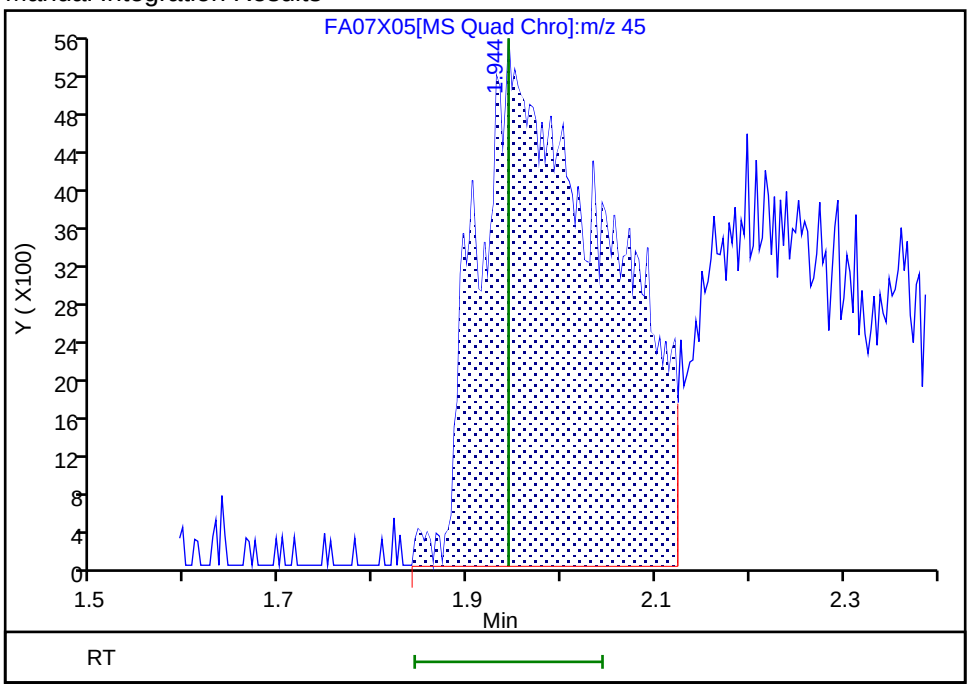
Processing Integration Results

RT: 1.94
Area: 48099
Amount: 68.553427
Amount Units: ug/l



Manual Integration Results

RT: 1.94
Area: 53162
Amount: 40.267927
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:29:43 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

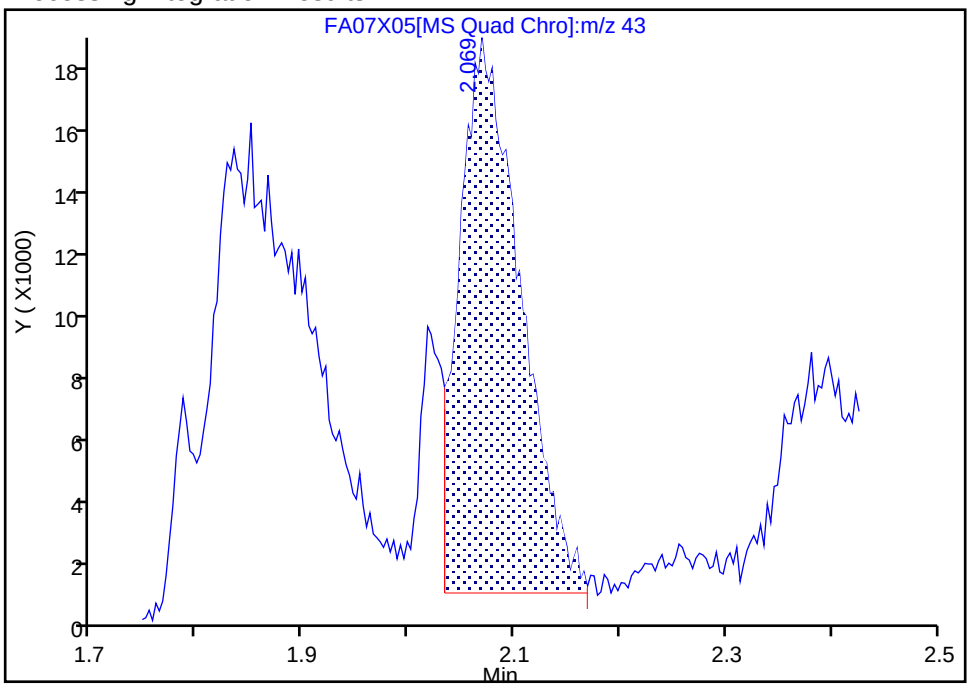
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X05.D
Injection Date: 07-Apr-2025 16:02:38 Instrument ID: 15830
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 55 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

19 Methyl acetate, CAS: 79-20-9

Signal: 1

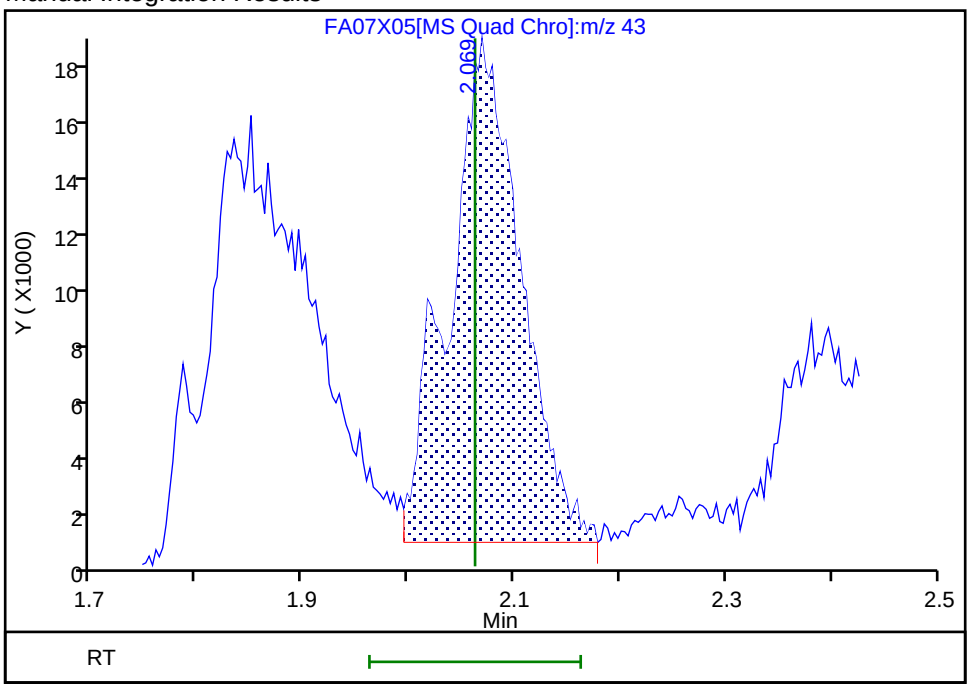
Processing Integration Results

RT: 2.07
Area: 69779
Amount: 8.896311
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 82677
Amount: 8.944225
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:30:01 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

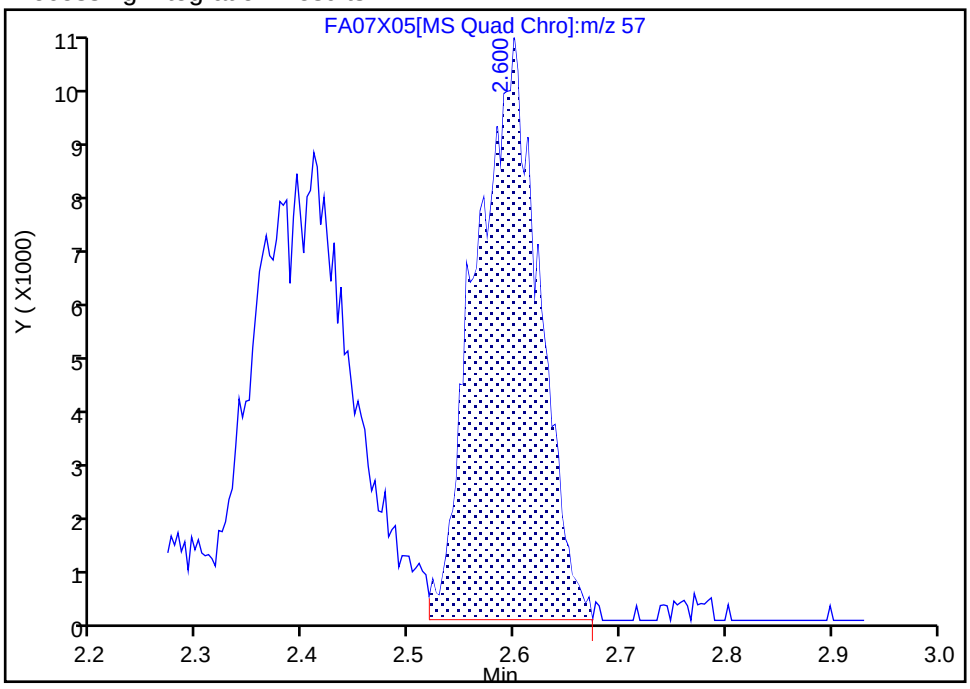
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X05.D				
Injection Date:	07-Apr-2025 16:02:38	Instrument ID:	15830		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	55	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

26 Hexane, CAS: 110-54-3

Signal: 1

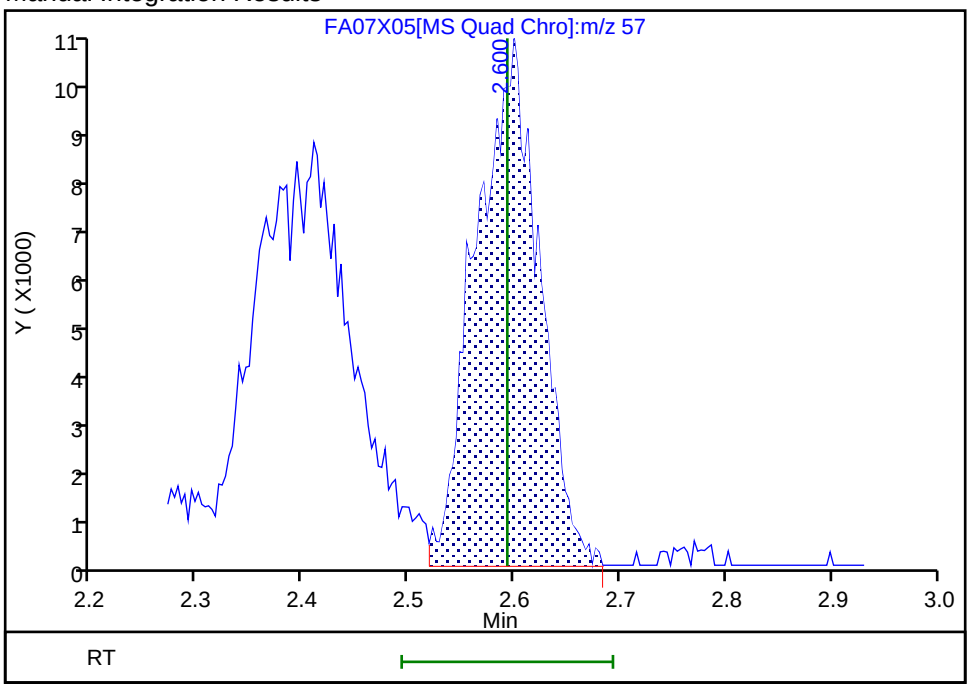
Processing Integration Results

RT: 2.60
Area: 42035
Amount: 5.824104
Amount Units: ug/l



Manual Integration Results

RT: 2.60
Area: 42147
Amount: 5.459641
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:59:06 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

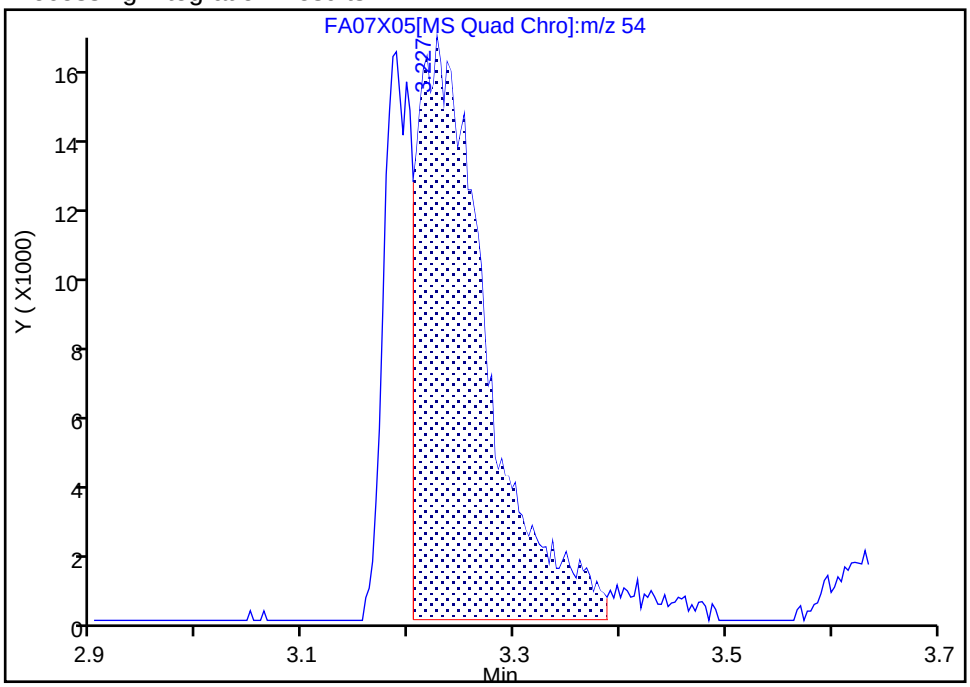
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X05.D				
Injection Date:	07-Apr-2025 16:02:38	Instrument ID:	15830		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	55	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

34 Propionitrile, CAS: 107-12-0

Signal: 1

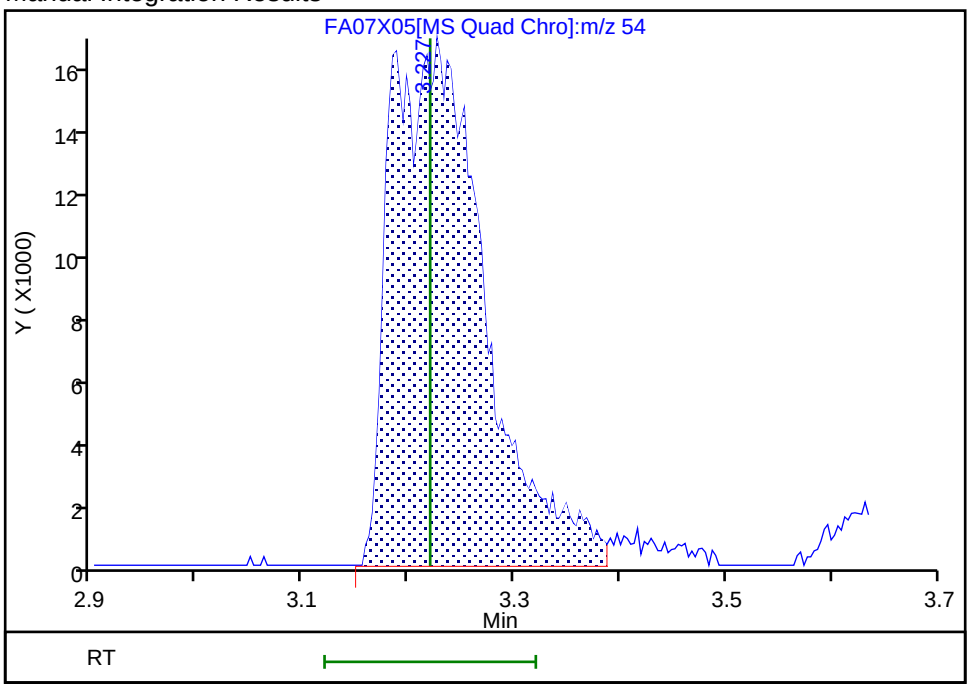
Processing Integration Results

RT: 3.23
Area: 73653
Amount: 37.159752
Amount Units: ug/l



Manual Integration Results

RT: 3.23
Area: 99757
Amount: 40.455406
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:30:27 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

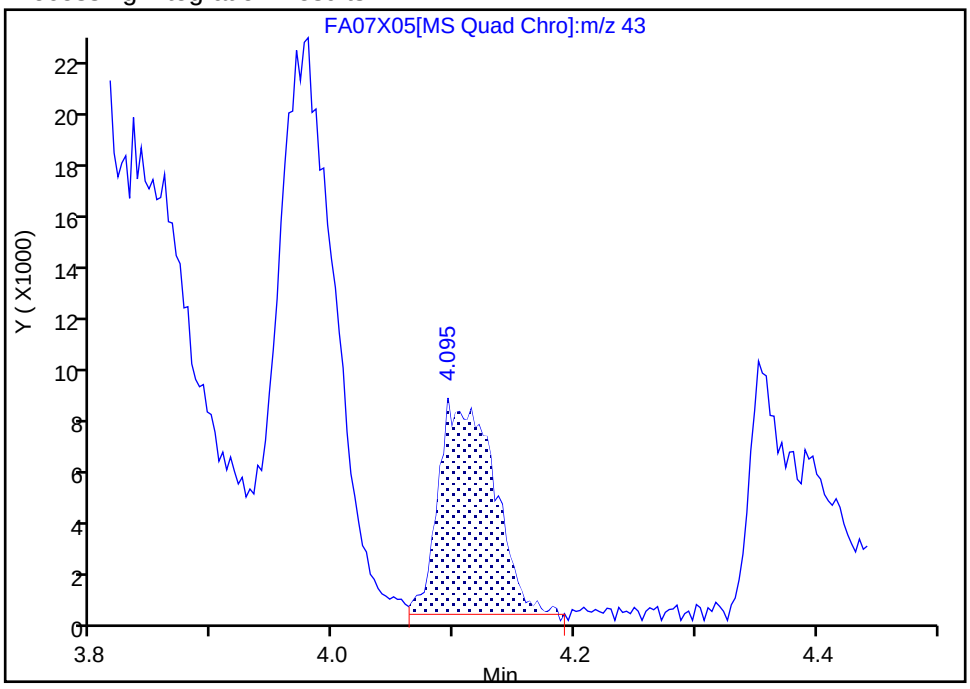
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X05.D				
Injection Date:	07-Apr-2025 16:02:38	Instrument ID:	15830		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	55	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

51 n-Heptane, CAS: 142-82-5

Signal: 1

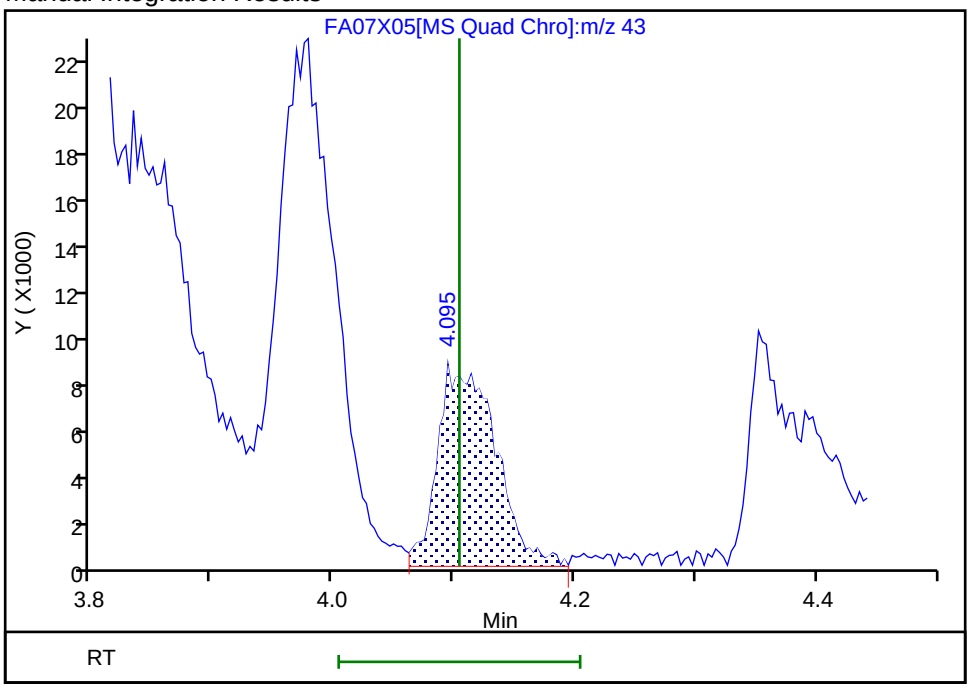
Processing Integration Results

RT: 4.09
Area: 25737
Amount: 4.681415
Amount Units: ug/l



Manual Integration Results

RT: 4.09
Area: 27739
Amount: 4.589976
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 18:01:52 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

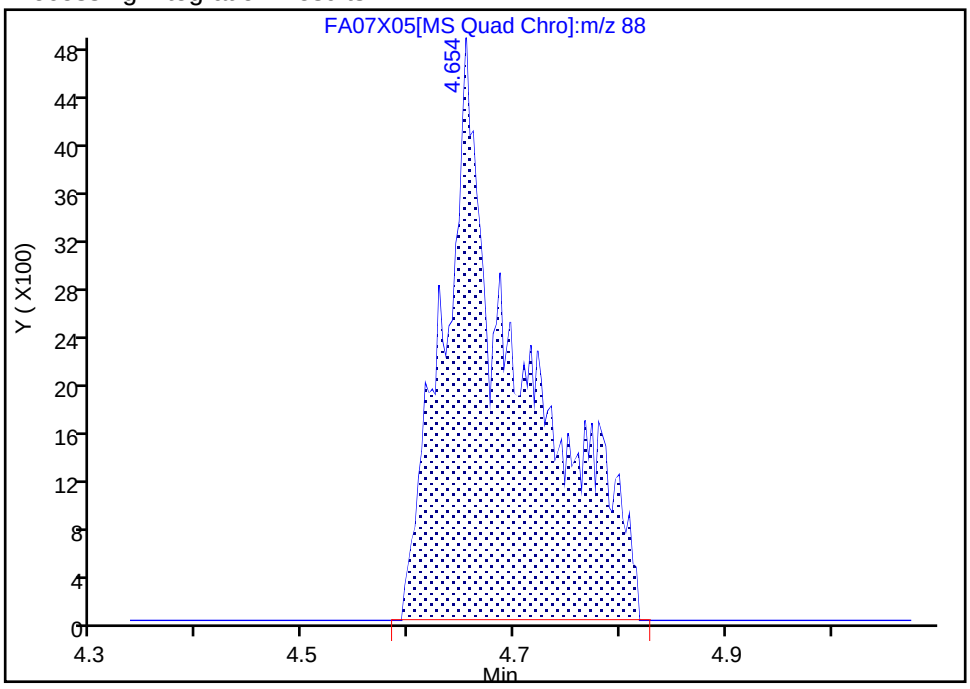
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X05.D
Injection Date: 07-Apr-2025 16:02:38 Instrument ID: 15830
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 55 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

57 1,4-Dioxane, CAS: 123-91-1

Signal: 1

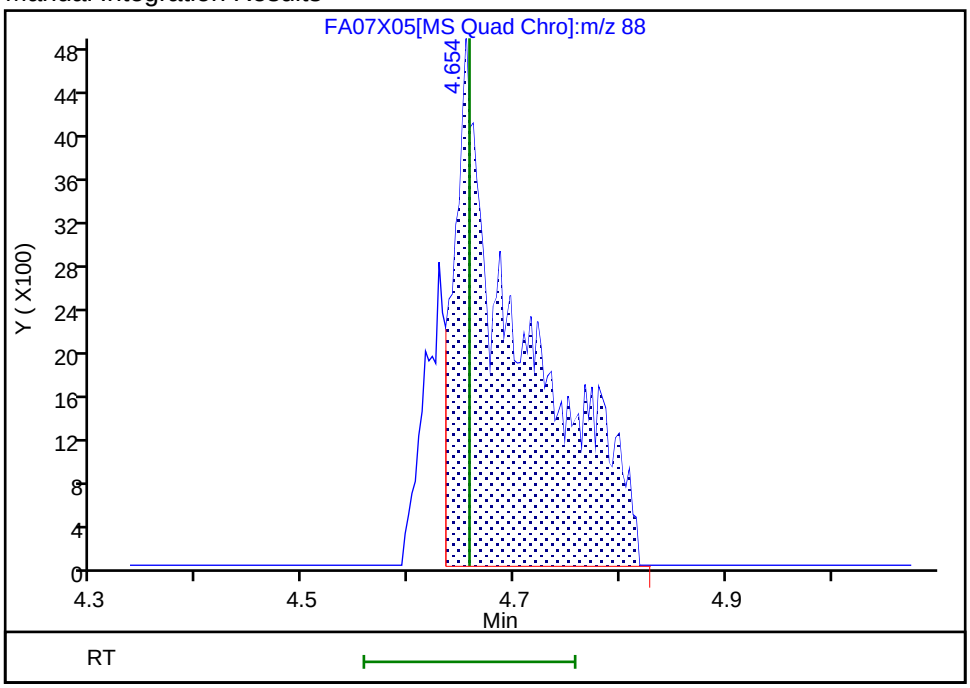
Processing Integration Results

RT: 4.65
Area: 25017
Amount: 139.1946
Amount Units: ug/l



Manual Integration Results

RT: 4.65
Area: 21623
Amount: 125.8477
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:30:50 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X06.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-Apr-2025 16:22:00 ALS Bottle#: 56 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v20
Misc. Info.: 410-0143206-007
Operator ID: knk41612 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 08-Apr-2025 09:23:45 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: JS6E Date: 07-Apr-2025 17:20:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.011	1.011	0.000	98	208389	20.0	20.2	
2 Chloromethane	50	1.121	1.117	0.004	98	227367	20.0	19.5	M
4 Vinyl chloride	62	1.178	1.175	0.003	98	206187	20.0	20.4	
3 Butadiene	39	1.188	1.182	0.006	93	223631	20.0	18.9	
5 Bromomethane	94	1.362	1.358	0.004	92	144138	20.0	20.1	
6 Chloroethane	64	1.375	1.371	0.004	99	117504	20.0	19.7	
7 Pentane	43	1.516	1.519	-0.003	96	205770	20.0	19.8	
8 Dichlorofluoromethane	67	1.545	1.542	0.003	97	350344	20.0	20.4	
9 Trichlorofluoromethane	101	1.558	1.558	0.000	98	272016	20.0	20.8	M
10 1,2-Dichloro-1,1,2-trifluoroetha	67	1.735	1.728	0.007	89	173824	20.0	19.6	
11 Acrolein	56	1.744	1.741	0.003	100	562914	195.2	223.9	
12 1,1-Dichloroethene	96	1.809	1.809	0.000	97	135175	20.0	21.9	
13 Acetone	58	1.850	1.844	0.006	98	55471	40.0	39.1	
14 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.863	1.863	0.000	92	153053	20.0	21.2	
15 Iodomethane	142	1.934	1.928	0.006	99	273994	20.0	21.5	
16 Isopropyl alcohol	45	1.944	1.944	0.000	36	118624	100.0	97.2	M
17 Carbon disulfide	76	1.969	1.966	0.003	100	437383	20.0	20.4	M
19 Methyl acetate	43	2.069	2.063	0.006	93	203147	20.0	21.0	M
18 3-Chloro-1-propene	41	2.069	2.066	0.003	85	224042	20.0	20.4	
20 Methylene Chloride	84	2.178	2.175	0.003	90	158431	20.0	21.0	
* 21 t-Butyl alcohol-d10 (IS)	65	2.288	2.275	0.013	77	774076	250.0	250.0	
22 2-Methyl-2-propanol	59	2.352	2.336	0.016	59	317373	100.0	103.6	
23 Acrylonitrile	53	2.352	2.352	0.000	99	278513	50.0	52.1	
24 trans-1,2-Dichloroethene	96	2.378	2.374	0.004	99	149716	20.0	21.3	
25 Methyl tert-butyl ether	73	2.391	2.403	-0.012	93	480363	20.0	21.0	
26 Hexane	57	2.590	2.593	-0.003	93	171171	20.0	21.1	
27 1,1-Dichloroethane	63	2.715	2.718	-0.003	96	259786	20.0	21.2	
28 Isopropyl ether	45	2.767	2.767	0.000	94	421381	20.0	20.9	
29 2-Chloro-1,3-butadiene	53	2.770	2.773	-0.003	92	230688	20.0	21.2	
30 Tert-butyl ethyl ether	59	3.050	3.053	-0.003	98	467117	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 2-Butanone (MEK)	43	3.137	3.136	0.001	100	268552	40.0	40.8	
32 cis-1,2-Dichloroethene	96	3.172	3.169	0.003	83	170544	20.0	21.0	
33 2,2-Dichloropropane	77	3.185	3.191	-0.006	88	243468	20.0	21.1	
34 Propionitrile	54	3.217	3.220	-0.003	98	242169	100.0	106.2	
35 Methacrylonitrile	67	3.307	3.336	-0.029	86	223791	50.0	50.6	M
37 Tetrahydrofuran	71	3.336	3.336	0.000	89	218375	100.0	106.9	
36 Chlorobromomethane	128	3.352	3.352	0.000	92	81906	20.0	21.1	
39 Chloroform	83	3.448	3.448	0.000	93	254535	20.0	20.9	
$ 40 Dibromofluoromethane (Surr)	113	3.571	3.571	0.000	93	360337	50.0	51.2	
41 1,1,1-Trichloroethane	97	3.577	3.574	0.003	97	233723	20.0	21.1	
42 Cyclohexane	56	3.625	3.625	0.000	91	260299	20.0	20.7	
43 1,1-Dichloropropene	75	3.696	3.690	0.006	96	189672	20.0	20.9	
44 Carbon tetrachloride	117	3.696	3.696	0.000	87	184457	20.0	20.8	
45 Isobutyl alcohol	41	3.812	3.808	0.004	96	187551	250.0	250.2	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.834	3.831	0.003	92	84606	50.0	50.2	
47 Benzene	78	3.847	3.847	0.000	96	542583	20.0	20.8	
48 1,2-Dichloroethane	62	3.902	3.902	0.000	97	175283	20.0	20.0	
49 Tert-amyl methyl ether	73	3.982	3.979	0.003	98	449459	20.0	20.8	
* 50 Fluorobenzene (IS)	96	4.079	4.098	-0.019	99	1250579	50.0	50.0	
51 n-Heptane	43	4.098	4.104	-0.006	75	124362	20.0	19.6	
52 n-Butanol	56	4.352	4.355	-0.003	88	162300	250.0	257.1	
53 Trichloroethene	95	4.378	4.394	-0.016	99	130623	20.0	20.1	
54 Methylcyclohexane	83	4.583	4.583	0.000	91	257172	20.0	20.8	
55 1,2-Dichloropropane	63	4.593	4.596	-0.003	95	118489	20.0	19.8	
56 2-ethoxy-2-methyl butane	87	4.628	4.625	0.003	95	227400	20.0	20.8	
57 1,4-Dioxane	88	4.651	4.657	-0.006	37	38670	250.0	243.4	M
58 Methyl methacrylate	69	4.670	4.670	0.000	90	109149	20.0	20.1	
59 Dibromomethane	93	4.664	4.673	-0.009	97	82536	20.0	20.2	
60 Dichlorobromomethane	83	4.825	4.831	-0.006	99	140488	20.0	19.9	
61 2-Nitropropane	41	5.011	5.011	0.000	98	250369	100.0	91.2	
62 2-Chloroethyl vinyl ether	63	5.082	5.082	0.000	91	74130	20.0	19.4	
63 cis-1,3-Dichloropropene	75	5.194	5.197	-0.003	95	163464	20.0	19.9	
64 4-Methyl-2-pentanone (MIBK)	43	5.339	5.339	0.000	96	531092	40.0	46.6	
$ 65 Toluene-d8 (Surr)	98	5.416	5.416	0.000	93	1108234	50.0	49.7	
66 Toluene	92	5.471	5.474	-0.003	98	291720	20.0	20.2	
67 trans-1,3-Dichloropropene	75	5.680	5.680	0.000	93	144535	20.0	20.1	
68 Ethyl methacrylate	69	5.741	5.741	0.000	88	182284	20.0	20.5	
69 1,1,2-Trichloroethane	97	5.825	5.824	0.001	91	99512	20.0	20.7	
70 Tetrachloroethene	166	5.873	5.873	0.000	95	122719	20.0	20.2	
71 1,3-Dichloropropane	76	5.937	5.937	0.000	91	165388	20.0	20.6	
72 2-Hexanone	43	5.998	5.995	0.003	96	401747	40.0	48.0	
73 Chlorodibromomethane	129	6.088	6.091	-0.003	91	93399	20.0	19.6	
S 74 1,2-Dichloroethene, Total	100				0			42.3	
75 Ethylene Dibromide	107	6.159	6.159	0.000	99	108473	20.0	20.6	
* 76 Chlorobenzene-d5 (IS)	117	6.480	6.480	0.000	85	839796	50.0	50.0	
77 Chlorobenzene	112	6.500	6.500	0.000	95	317792	20.0	20.4	
78 1-Chlorohexane	91	6.506	6.506	0.000	96	162948	20.0	21.1	
79 1,1,1,2-Tetrachloroethane	131	6.567	6.567	0.000	94	126374	20.0	20.8	
80 Ethylbenzene	91	6.570	6.570	0.000	98	611794	20.0	21.0	
81 m-Xylene & p-Xylene	106	6.657	6.657	0.000	99	477934	40.0	42.1	
82 o-Xylene	106	6.895	6.895	0.000	96	253816	20.0	21.0	
83 Styrene	104	6.908	6.908	0.000	95	373815	20.0	21.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Bromoform	173	7.008	7.008	0.000	95	67809	20.0	20.1	
85 Isopropylbenzene	105	7.117	7.120	-0.003	96	614498	20.0	21.3	
$ 86 4-Bromofluorobenzene (Surr)	95	7.217	7.217	0.000	88	464156	50.0	51.4	
87 Bromobenzene	156	7.291	7.291	0.000	94	141060	20.0	20.8	
88 1,1,2,2-Tetrachloroethane	83	7.307	7.307	0.000	94	208401	20.0	20.8	
89 trans-1,4-Dichloro-2-butene	53	7.326	7.326	0.000	88	154715	50.0	51.6	
90 1,2,3-Trichloropropane	110	7.333	7.332	0.000	86	69719	20.0	21.0	
91 N-Propylbenzene	91	7.358	7.361	-0.003	99	753403	20.0	21.4	
92 2-Chlorotoluene	126	7.403	7.406	-0.003	96	151238	20.0	20.4	
93 1,3,5-Trimethylbenzene	105	7.464	7.464	0.000	95	557593	20.0	21.0	
94 4-Chlorotoluene	126	7.474	7.474	0.000	99	147881	20.0	21.1	
95 tert-Butylbenzene	134	7.638	7.638	0.000	93	108188	20.0	20.3	
96 1,2,4-Trimethylbenzene	105	7.670	7.670	0.000	97	562458	20.0	21.1	
97 sec-Butylbenzene	105	7.760	7.760	0.000	94	673583	20.0	21.4	
98 1,3-Dichlorobenzene	146	7.818	7.818	0.000	98	275899	20.0	20.7	
99 4-Isopropyltoluene	119	7.844	7.844	0.000	97	585172	20.0	21.2	
* 100 1,4-Dichlorobenzene-d4	152	7.863	7.863	0.000	95	515828	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.876	7.876	0.000	95	277372	20.0	20.7	
102 1,2,3-Trimethylbenzene	105	7.892	7.892	0.000	99	590240	20.0	21.2	
103 Benzyl chloride	91	7.937	7.937	0.000	98	391407	20.0	19.9	
104 1,3-Diethylbenzene	119	7.995	7.995	0.000	95	329682	20.0	20.7	
105 p-Diethylbenzene	119	8.046	8.046	0.000	93	348821	20.0	20.9	
106 n-Butylbenzene	92	8.059	8.059	0.000	97	273710	20.0	20.7	
107 1,2-Dichlorobenzene	146	8.062	8.066	-0.004	98	284509	20.0	20.8	
108 o-diethylbenzene	119	8.098	8.098	0.000	95	277230	20.0	20.5	
109 1,2-Dibromo-3-Chloropropane	75	8.471	8.471	0.000	84	74275	20.0	20.6	
110 1,3,5-Trichlorobenzene	180	8.567	8.567	0.000	97	193101	20.0	20.0	
111 1,2,4-Trichlorobenzene	180	8.882	8.882	0.000	95	197167	20.0	20.4	
112 Hexachlorobutadiene	225	8.956	8.956	0.000	98	64046	20.0	19.7	
113 Naphthalene	128	9.014	9.014	0.000	97	894383	20.0	21.7	
114 1,2,3-Trichlorobenzene	180	9.123	9.123	0.000	96	198104	20.0	20.5	
115 2-Methylnaphthalene	142	9.567	9.567	0.000	93	418959	20.0	19.6	
S 139 1,3-Dichloropropene, Total	100				0			40.0	
S 140 Xylenes, Total	106				0			63.1	
S 141 Total Diethylbenzene	1				0			62.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00230	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_01005	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00231	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00222	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00032	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 08-Apr-2025 09:23:46 Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X06.D

Injection Date: 07-Apr-2025 16:22:00 Instrument ID: 15830 Operator ID: knk41612

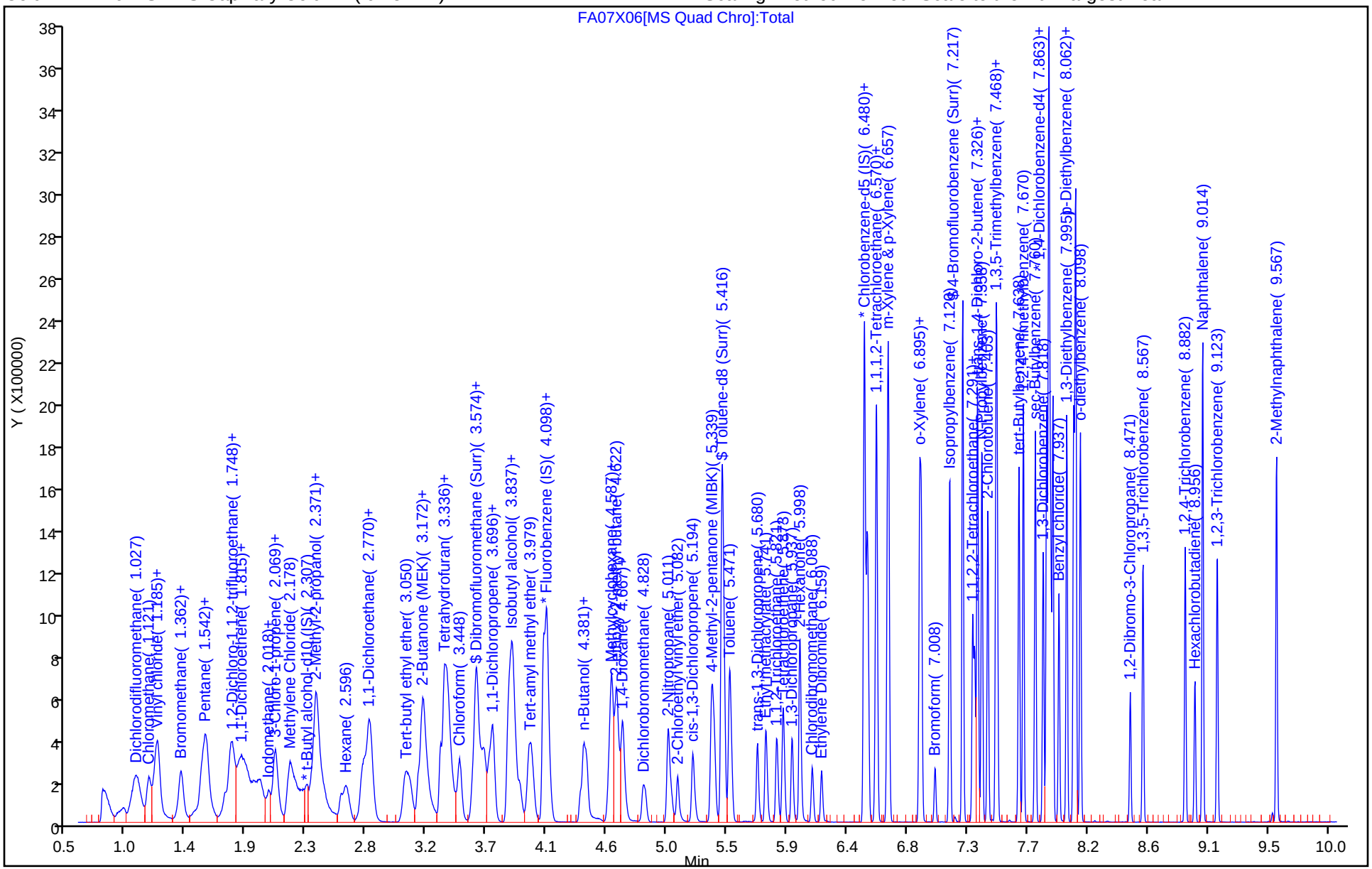
Lims ID: IC v20 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 56

Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

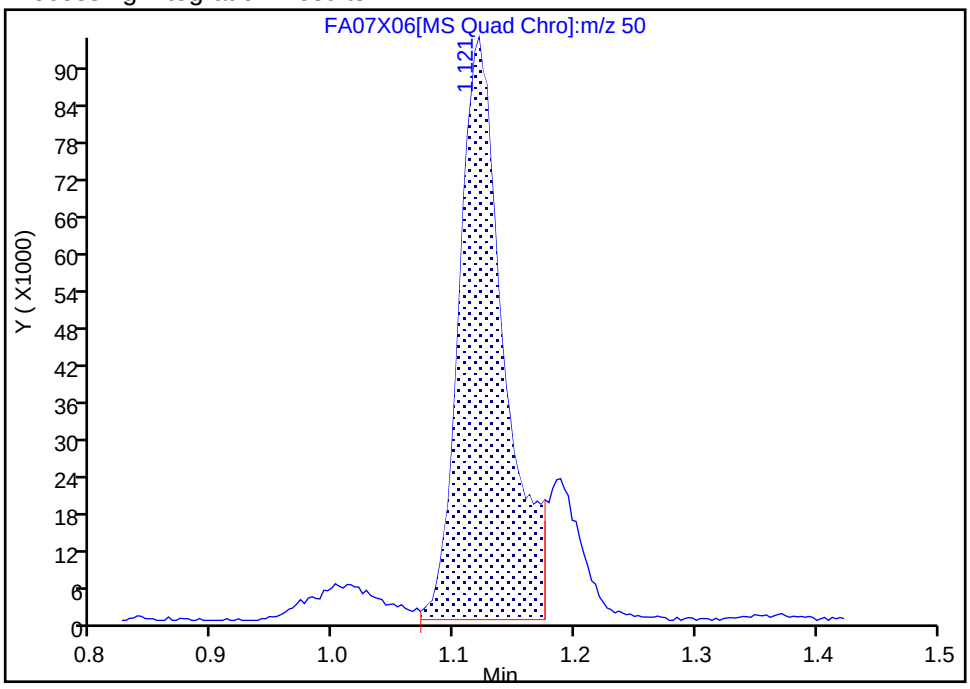
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X06.D				
Injection Date:	07-Apr-2025 16:22:00	Instrument ID:	15830		
Lims ID:	IC v20				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	56	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Chloromethane, CAS: 74-87-3

Signal: 1

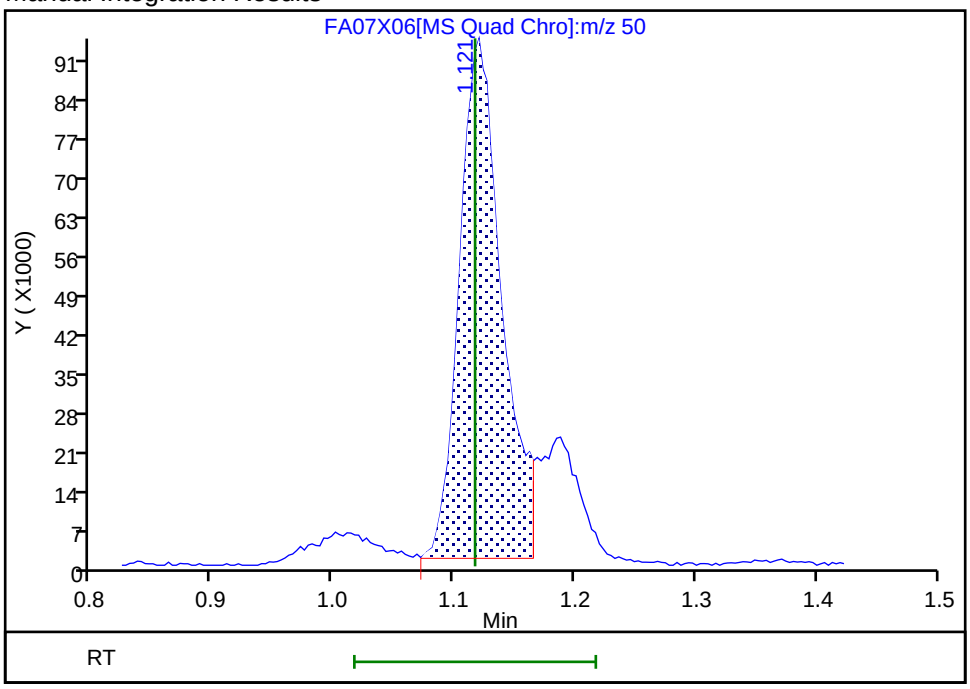
Processing Integration Results

RT: 1.12
Area: 246030
Amount: 17.190815
Amount Units: ug/l



Manual Integration Results

RT: 1.12
Area: 227367
Amount: 19.531527
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:22:58 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

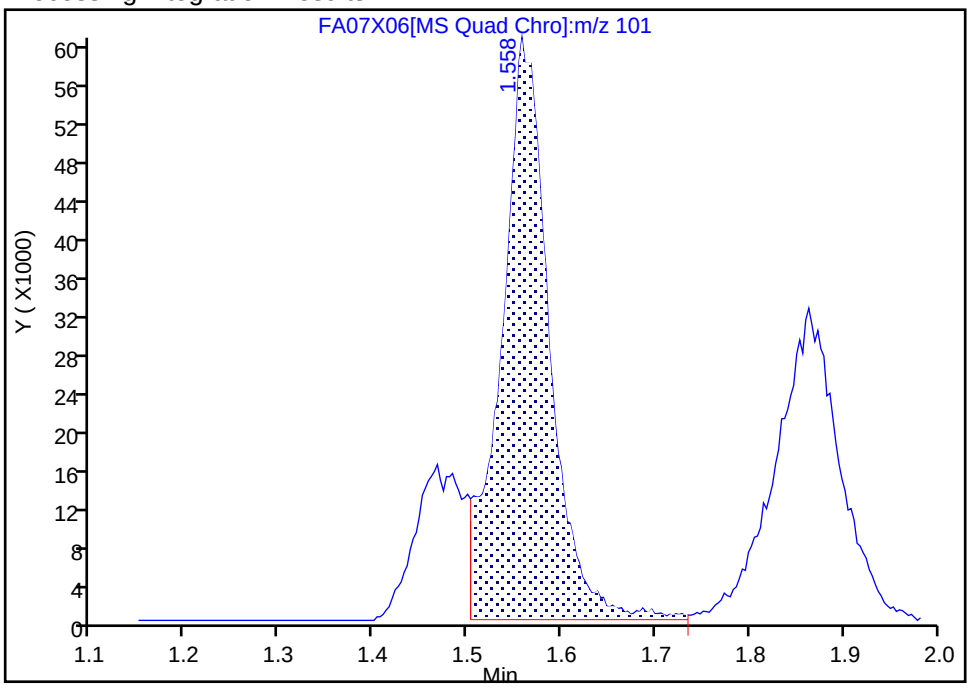
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X06.D				
Injection Date:	07-Apr-2025 16:22:00	Instrument ID:	15830		
Lims ID:	IC v20				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	56	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

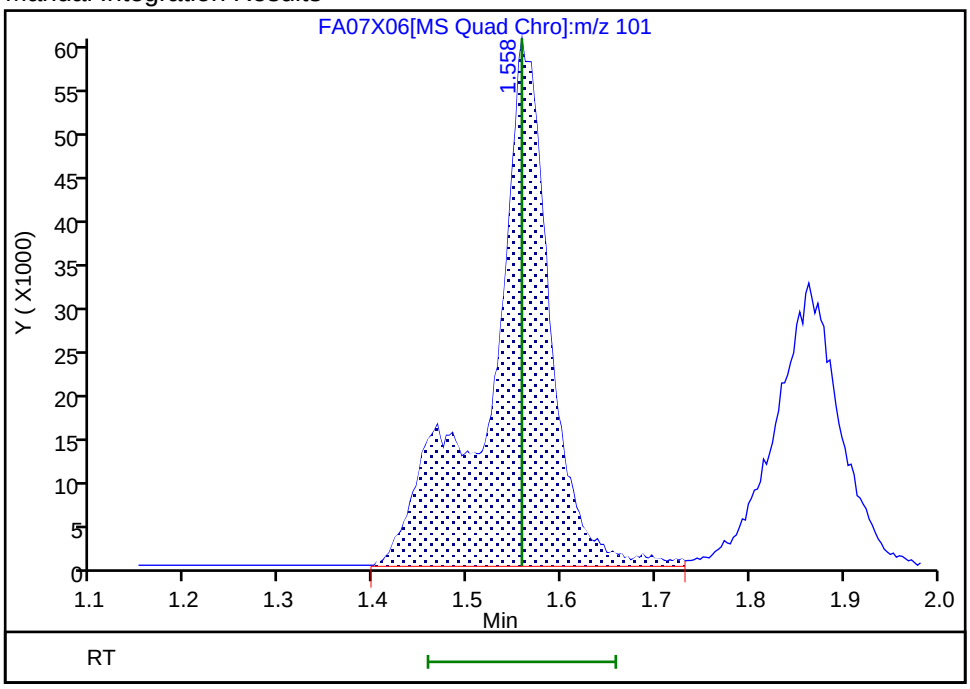
Processing Integration Results

RT: 1.56
Area: 216079
Amount: 18.950793
Amount Units: ug/l



Manual Integration Results

RT: 1.56
Area: 272016
Amount: 20.779631
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:23:21 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

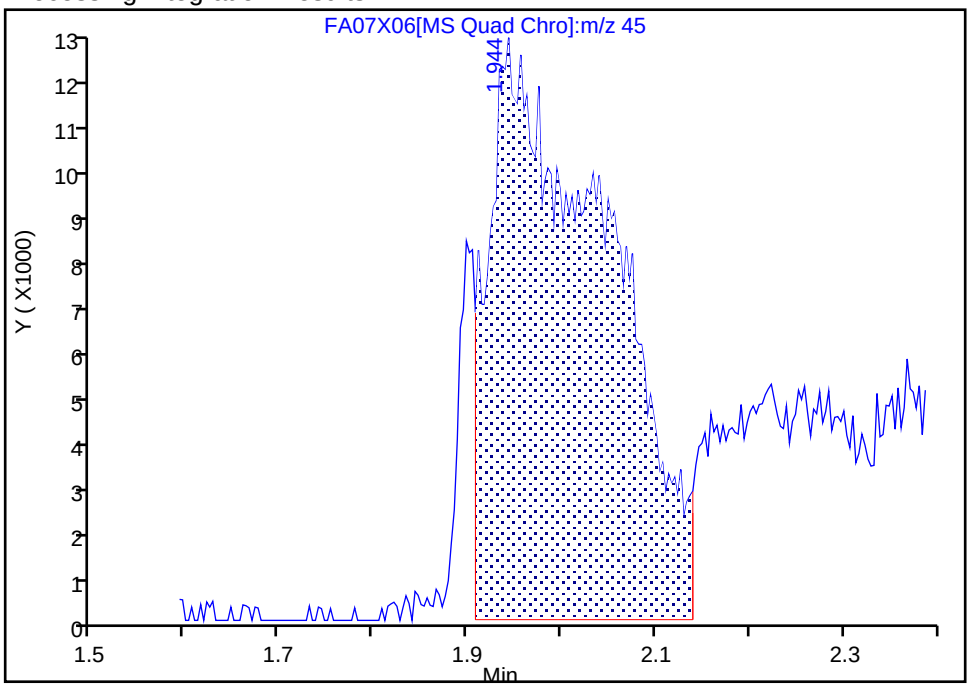
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X06.D				
Injection Date:	07-Apr-2025 16:22:00	Instrument ID:	15830		
Lims ID:	IC v20				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	56	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

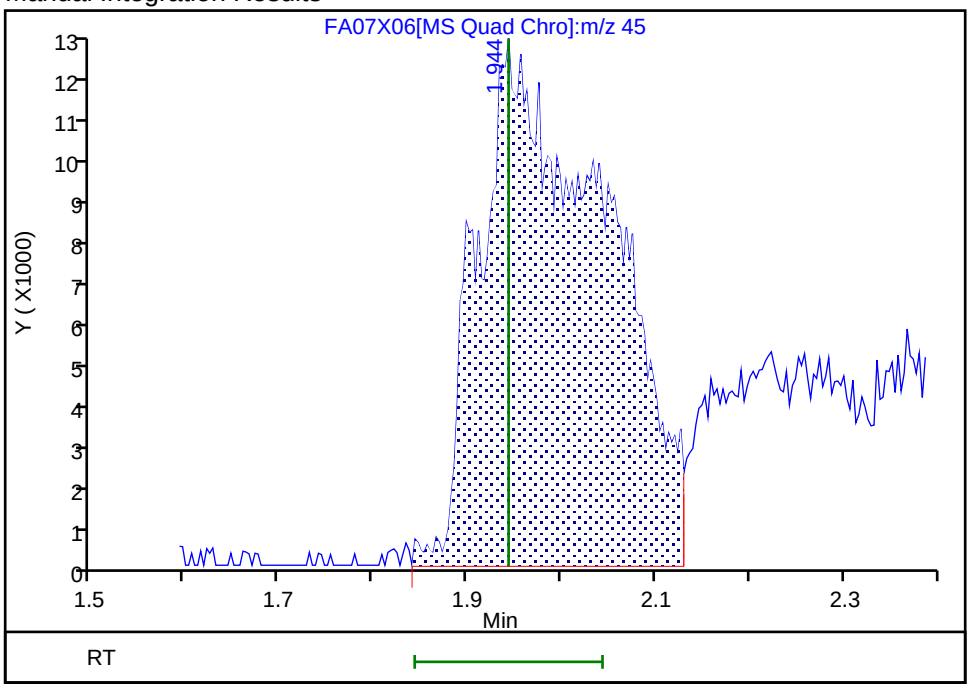
Processing Integration Results

RT: 1.94
Area: 110334
Amount: 173.7476
Amount Units: ug/l



Manual Integration Results

RT: 1.94
Area: 118624
Amount: 97.162536
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:24:08 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

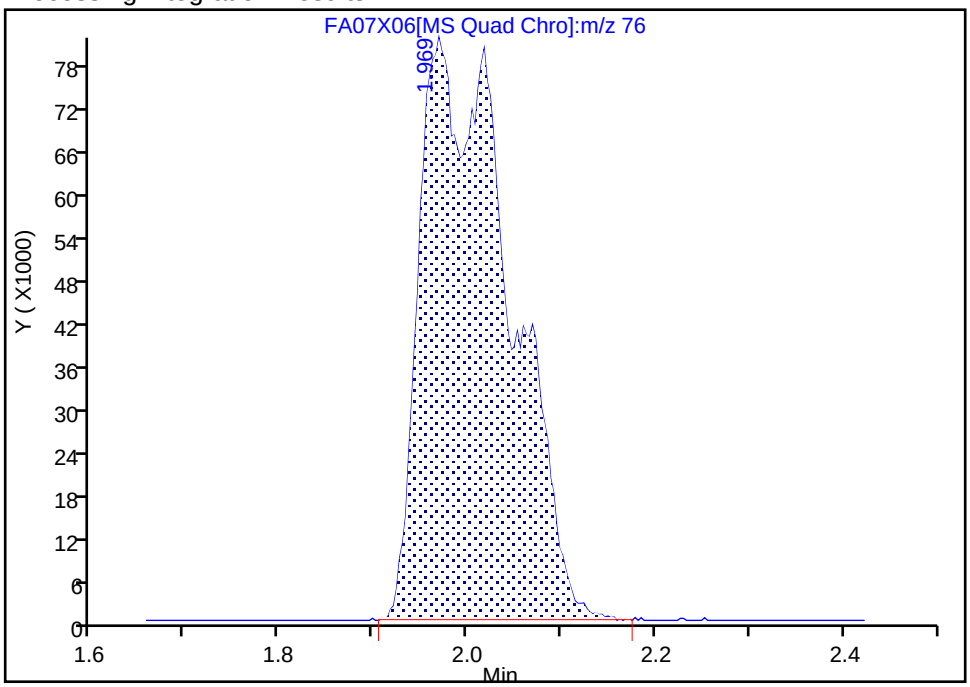
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X06.D				
Injection Date:	07-Apr-2025 16:22:00	Instrument ID:	15830		
Lims ID:	IC v20				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	56	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

17 Carbon disulfide, CAS: 75-15-0

Signal: 1

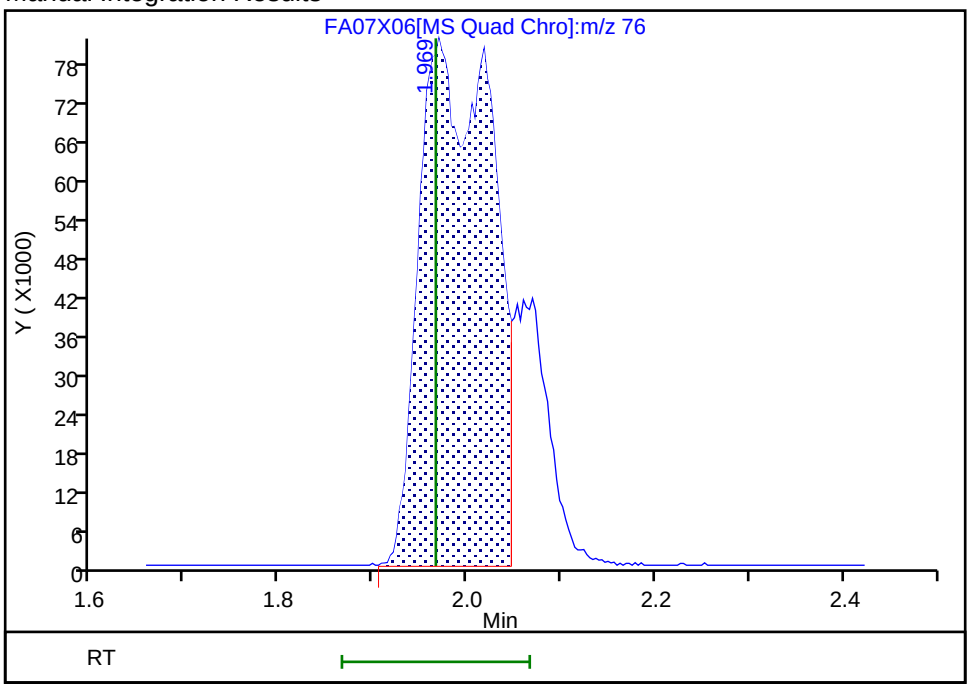
Processing Integration Results

RT: 1.97
Area: 541590
Amount: 30.841598
Amount Units: ug/l



Manual Integration Results

RT: 1.97
Area: 437383
Amount: 20.441982
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:24:21 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

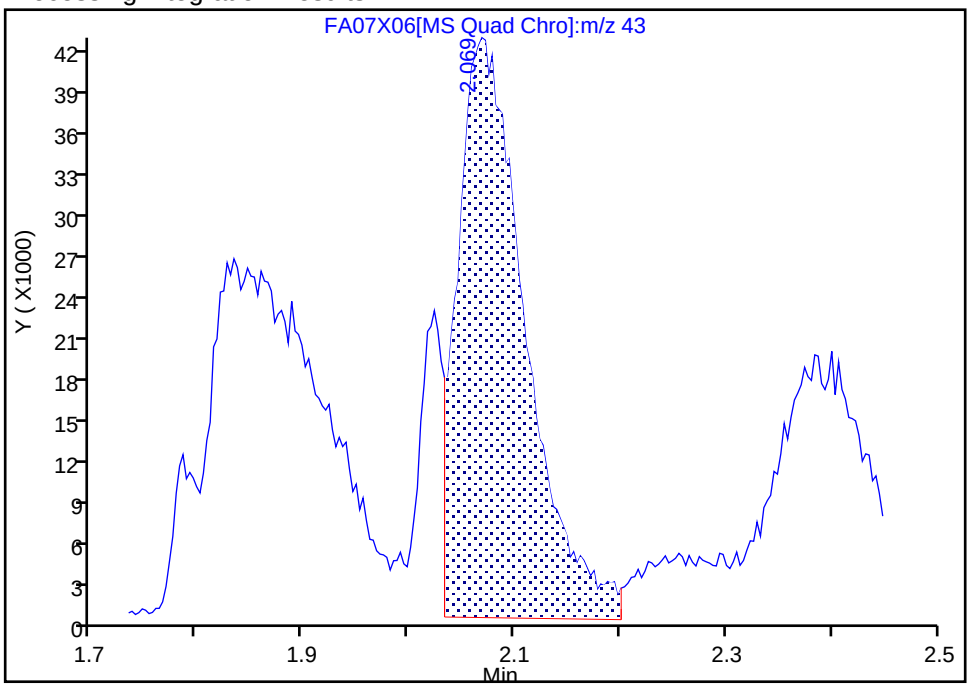
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X06.D				
Injection Date:	07-Apr-2025 16:22:00	Instrument ID:	15830		
Lims ID:	IC v20				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	56	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Methyl acetate, CAS: 79-20-9

Signal: 1

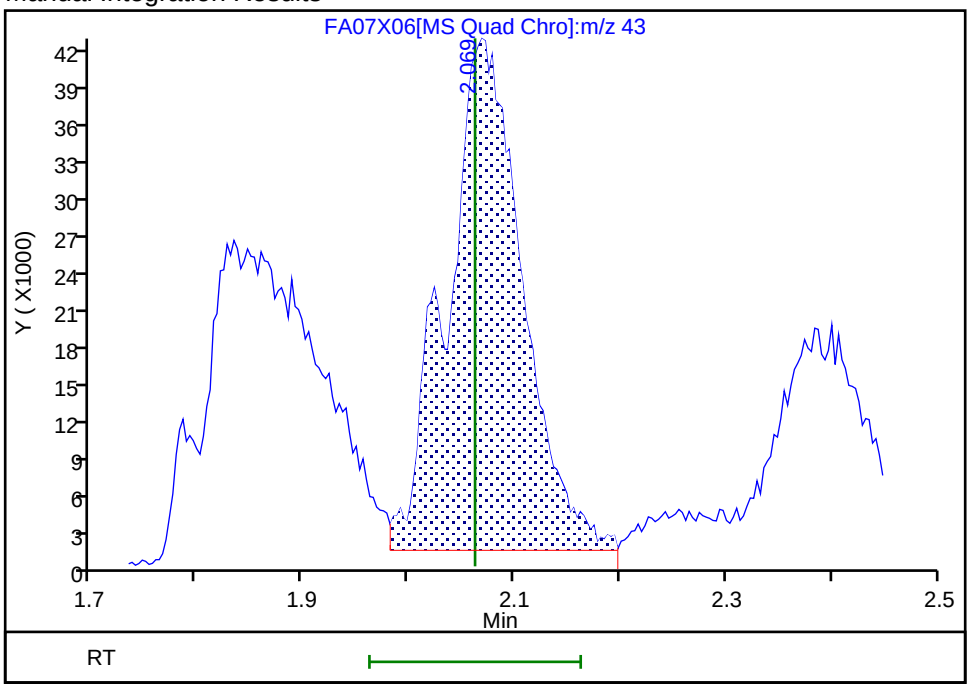
Processing Integration Results

RT: 2.07
Area: 189532
Amount: 23.371028
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 203147
Amount: 20.962572
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:24:36 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

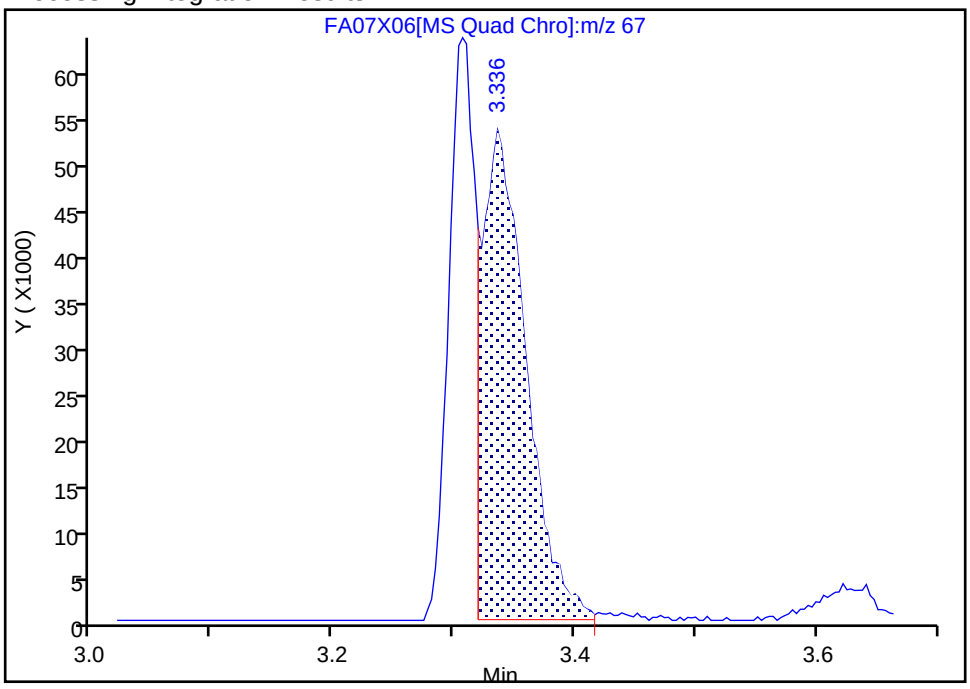
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X06.D				
Injection Date:	07-Apr-2025 16:22:00	Instrument ID:	15830		
Lims ID:	IC v20				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	56	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

35 Methacrylonitrile, CAS: 126-98-7

Signal: 1

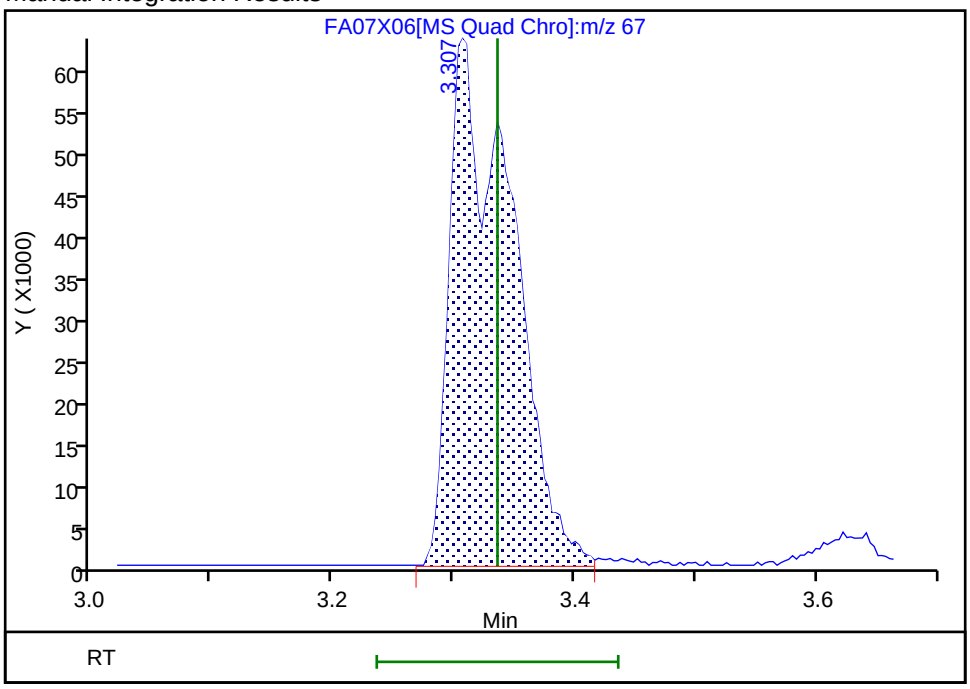
Processing Integration Results

RT: 3.34
Area: 136099
Amount: 33.955669
Amount Units: ug/l



Manual Integration Results

RT: 3.31
Area: 223791
Amount: 50.621634
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:25:03 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

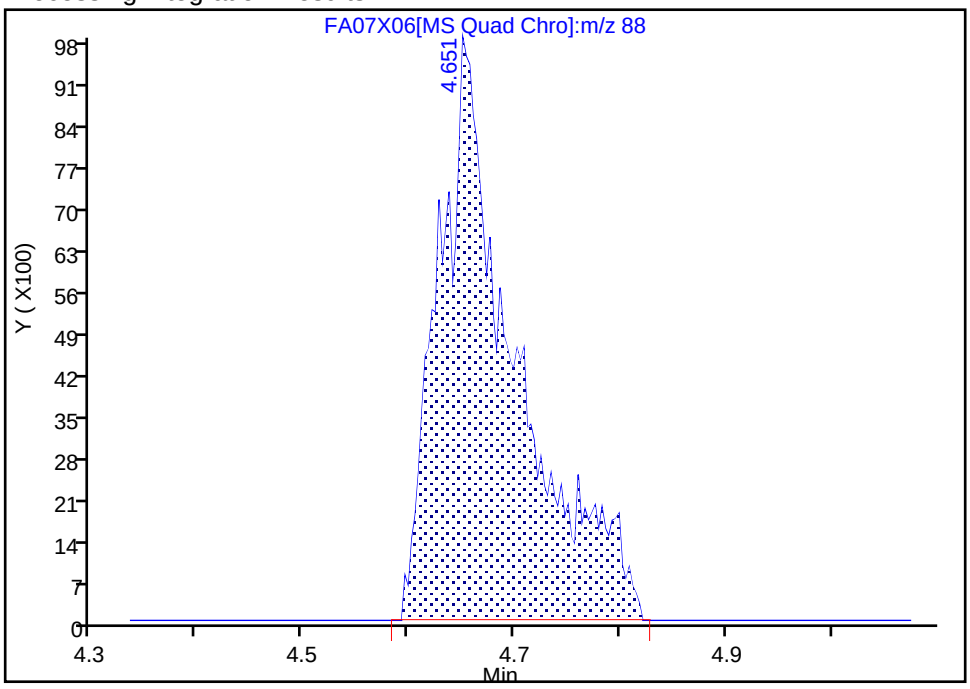
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X06.D				
Injection Date:	07-Apr-2025 16:22:00	Instrument ID:	15830		
Lims ID:	IC v20				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	56	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

57 1,4-Dioxane, CAS: 123-91-1

Signal: 1

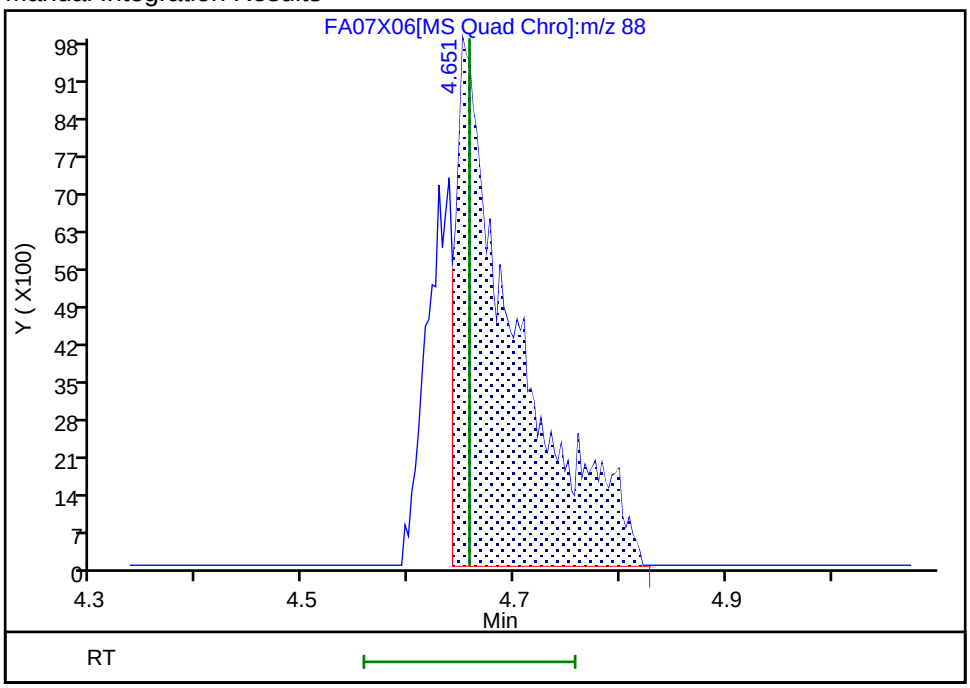
Processing Integration Results

RT: 4.65
Area: 49718
Amount: 286.4427
Amount Units: ug/l



Manual Integration Results

RT: 4.65
Area: 38670
Amount: 243.3726
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:25:28 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X07.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 07-Apr-2025 16:41:12 ALS Bottle#: 57 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v50
Misc. Info.: 410-0143206-008
Operator ID: knk41612 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 08-Apr-2025 09:23:49 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: JS6E Date: 07-Apr-2025 17:18:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.011	1.011	0.000	99	556574	50.0	52.3	
2 Chloromethane	50	1.117	1.117	0.000	99	599298	50.0	50.0	M
4 Vinyl chloride	62	1.175	1.175	0.000	98	539164	50.0	51.7	
3 Butadiene	39	1.182	1.182	0.000	94	578544	50.0	47.4	
5 Bromomethane	94	1.358	1.358	0.000	92	371615	50.0	50.4	
6 Chloroethane	64	1.371	1.371	0.000	100	307378	50.0	50.1	
7 Pentane	43	1.519	1.519	0.000	95	490667	50.0	45.8	
8 Dichlorofluoromethane	67	1.542	1.542	0.000	97	903834	50.0	51.0	
9 Trichlorofluoromethane	101	1.558	1.558	0.000	98	700694	50.0	52.0	M
10 1,2-Dichloro-1,1,2-trifluoroetha	67	1.728	1.728	0.000	64	462726	50.0	50.6	
11 Acrolein	56	1.741	1.741	0.000	99	1402802	487.9	503.9	
12 1,1-Dichloroethene	96	1.809	1.809	0.000	97	319170	50.0	50.2	
13 Acetone	58	1.844	1.844	0.000	100	150329	100.0	95.7	
14 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.863	1.863	0.000	92	370345	50.0	49.9	
15 Iodomethane	142	1.928	1.928	0.000	99	655751	50.0	50.0	
16 Isopropyl alcohol	45	1.944	1.944	0.000	99	306362	250.0	226.6	M
17 Carbon disulfide	76	1.966	1.966	0.000	99	1088572	50.0	49.4	M
19 Methyl acetate	43	2.063	2.063	0.000	95	485671	50.0	48.7	M
18 3-Chloro-1-propene	41	2.066	2.066	0.000	89	553824	50.0	49.0	
20 Methylene Chloride	84	2.175	2.175	0.000	91	378595	50.0	48.7	
* 21 t-Butyl alcohol-d10 (IS)	65	2.275	2.275	0.000	86	857202	250.0	250.0	
22 2-Methyl-2-propanol	59	2.336	2.336	0.000	74	831591	250.0	245.2	
23 Acrylonitrile	53	2.352	2.352	0.000	99	678125	125.0	123.3	
24 trans-1,2-Dichloroethene	96	2.374	2.374	0.000	99	362925	50.0	50.1	
25 Methyl tert-butyl ether	73	2.403	2.403	0.000	93	1154019	50.0	48.9	
26 Hexane	57	2.593	2.593	0.000	92	430864	50.0	51.7	
27 1,1-Dichloroethane	63	2.718	2.718	0.000	96	625623	50.0	49.6	
28 Isopropyl ether	45	2.767	2.767	0.000	92	1027082	50.0	49.5	
29 2-Chloro-1,3-butadiene	53	2.773	2.773	0.000	93	563023	50.0	50.2	
30 Tert-butyl ethyl ether	59	3.053	3.053	0.000	98	1142345	50.0	49.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 2-Butanone (MEK)	43	3.136	3.136	0.000	99	699529	100.0	103.1	
32 cis-1,2-Dichloroethene	96	3.169	3.169	0.000	81	409425	50.0	49.0	
33 2,2-Dichloropropane	77	3.191	3.191	0.000	89	595407	50.0	50.2	
34 Propionitrile	54	3.220	3.220	0.000	98	608257	250.0	240.9	M
35 Methacrylonitrile	67	3.336	3.336	0.000	96	560057	125.0	123.0	M
37 Tetrahydrofuran	71	3.336	3.336	0.000	79	535547	250.0	236.7	
36 Chlorobromomethane	128	3.352	3.352	0.000	93	198043	50.0	49.6	
39 Chloroform	83	3.448	3.448	0.000	94	625909	50.0	49.9	
$ 40 Dibromofluoromethane (Surr)	113	3.571	3.571	0.000	93	361042	50.0	49.8	
41 1,1,1-Trichloroethane	97	3.574	3.574	0.000	93	574335	50.0	50.3	
42 Cyclohexane	56	3.625	3.625	0.000	89	642443	50.0	49.5	
43 1,1-Dichloropropene	75	3.690	3.690	0.000	95	476109	50.0	50.9	
44 Carbon tetrachloride	117	3.696	3.696	0.000	82	466149	50.0	51.0	
45 Isobutyl alcohol	41	3.808	3.808	0.000	93	492250	625.0	593.1	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.831	3.831	0.000	97	90085	50.0	51.9	
47 Benzene	78	3.847	3.847	0.000	97	1349347	50.0	50.3	
48 1,2-Dichloroethane	62	3.902	3.902	0.000	97	441726	50.0	48.8	
49 Tert-amyl methyl ether	73	3.979	3.979	0.000	98	1101719	50.0	49.4	
* 50 Fluorobenzene (IS)	96	4.098	4.098	0.000	99	1288050	50.0	50.0	
51 n-Heptane	43	4.104	4.104	0.000	90	316215	50.0	48.5	
52 n-Butanol	56	4.355	4.355	0.000	90	439153	625.0	628.3	
53 Trichloroethene	95	4.394	4.394	0.000	98	335880	50.0	50.2	
54 Methylcyclohexane	83	4.583	4.583	0.000	91	656747	50.0	51.5	
55 1,2-Dichloropropane	63	4.596	4.596	0.000	96	304424	50.0	49.4	
56 2-ethoxy-2-methyl butane	87	4.625	4.625	0.000	94	568194	50.0	50.5	
57 1,4-Dioxane	88	4.657	4.657	0.000	86	112760	625.0	640.8	M
58 Methyl methacrylate	69	4.670	4.670	0.000	90	271944	50.0	48.6	
59 Dibromomethane	93	4.673	4.673	0.000	96	206404	50.0	48.9	
60 Dichlorobromomethane	83	4.831	4.831	0.000	99	368383	50.0	50.7	
61 2-Nitropropane	41	5.011	5.011	0.000	99	699719	250.0	225.1	
62 2-Chloroethyl vinyl ether	63	5.082	5.082	0.000	91	203709	50.0	51.8	
63 cis-1,3-Dichloropropene	75	5.197	5.197	0.000	95	428681	50.0	50.6	
64 4-Methyl-2-pentanone (MIBK)	43	5.339	5.339	0.000	96	1319150	100.0	112.3	
$ 65 Toluene-d8 (Surr)	98	5.416	5.416	0.000	93	1163149	50.0	51.0	
66 Toluene	92	5.474	5.474	0.000	98	743967	50.0	50.3	
67 trans-1,3-Dichloropropene	75	5.680	5.680	0.000	94	375871	50.0	51.1	
68 Ethyl methacrylate	69	5.741	5.741	0.000	88	458166	50.0	50.3	
69 1,1,2-Trichloroethane	97	5.824	5.824	0.000	91	245439	50.0	50.0	
70 Tetrachloroethene	166	5.873	5.873	0.000	96	316138	50.0	51.0	
71 1,3-Dichloropropane	76	5.937	5.937	0.000	92	409128	50.0	49.9	
72 2-Hexanone	43	5.995	5.995	0.000	96	995089	100.0	116.4	
73 Chlorodibromomethane	129	6.091	6.091	0.000	90	249659	50.0	51.2	
75 Ethylene Dibromide	107	6.159	6.159	0.000	99	270762	50.0	50.2	
* 76 Chlorobenzene-d5 (IS)	117	6.480	6.480	0.000	84	858367	50.0	50.0	
77 Chlorobenzene	112	6.500	6.500	0.000	95	804764	50.0	50.5	
78 1-Chlorohexane	91	6.506	6.506	0.000	96	402532	50.0	51.0	
79 1,1,1,2-Tetrachloroethane	131	6.567	6.567	0.000	95	327535	50.0	52.7	
80 Ethylbenzene	91	6.570	6.570	0.000	98	1524782	50.0	51.3	
81 m-Xylene & p-Xylene	106	6.657	6.657	0.000	99	1183570	100.0	101.9	
82 o-Xylene	106	6.895	6.895	0.000	97	626038	50.0	50.7	
83 Styrene	104	6.908	6.908	0.000	95	923513	50.0	51.1	
84 Bromoform	173	7.008	7.008	0.000	95	182027	50.0	52.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Isopropylbenzene	105	7.120	7.120	0.000	96	1560353	50.0	52.9	
$ 86 4-Bromofluorobenzene (Surr)	95	7.217	7.217	0.000	92	468453	50.0	50.8	
87 Bromobenzene	156	7.291	7.291	0.000	94	339560	50.0	49.6	a
88 1,1,2,2-Tetrachloroethane	83	7.307	7.307	0.000	95	502722	50.0	49.8	
89 trans-1,4-Dichloro-2-butene	53	7.326	7.326	0.000	94	387808	125.0	128.4	
90 1,2,3-Trichloropropane	110	7.332	7.332	0.000	86	161752	50.0	48.3	
91 N-Propylbenzene	91	7.361	7.361	0.000	99	1894985	50.0	53.4	
92 2-Chlorotoluene	126	7.406	7.406	0.000	96	374497	50.0	50.1	
93 1,3,5-Trimethylbenzene	105	7.464	7.464	0.000	95	1389168	50.0	52.0	
94 4-Chlorotoluene	126	7.474	7.474	0.000	99	352966	50.0	50.0	
95 tert-Butylbenzene	134	7.638	7.638	0.000	93	281477	50.0	52.3	
96 1,2,4-Trimethylbenzene	105	7.670	7.670	0.000	97	1371706	50.0	51.0	
97 sec-Butylbenzene	105	7.760	7.760	0.000	94	1705741	50.0	53.7	a
98 1,3-Dichlorobenzene	146	7.818	7.818	0.000	98	669223	50.0	49.9	
99 4-Isopropyltoluene	119	7.844	7.844	0.000	97	1489725	50.0	53.5	
* 100 1,4-Dichlorobenzene-d4	152	7.863	7.863	0.000	94	519778	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.876	7.876	0.000	94	672203	50.0	49.8	
102 1,2,3-Trimethylbenzene	105	7.892	7.892	0.000	98	1441922	50.0	51.4	
103 Benzyl chloride	91	7.937	7.937	0.000	98	1018111	50.0	51.3	a
104 1,3-Diethylbenzene	119	7.995	7.995	0.000	95	840502	50.0	52.4	
105 p-Diethylbenzene	119	8.046	8.046	0.000	95	877000	50.0	52.2	
106 n-Butylbenzene	92	8.059	8.059	0.000	98	693190	50.0	52.0	
107 1,2-Dichlorobenzene	146	8.066	8.066	0.000	98	680018	50.0	49.4	
108 o-diethylbenzene	119	8.098	8.098	0.000	95	691915	50.0	50.9	
109 1,2-Dibromo-3-Chloropropane	75	8.471	8.471	0.000	86	181486	50.0	50.0	
110 1,3,5-Trichlorobenzene	180	8.567	8.567	0.000	97	490599	50.0	50.4	
111 1,2,4-Trichlorobenzene	180	8.882	8.882	0.000	94	483683	50.0	49.6	
112 Hexachlorobutadiene	225	8.956	8.956	0.000	98	167862	50.0	51.3	
113 Naphthalene	128	9.014	9.014	0.000	97	2157895	50.0	52.0	
114 1,2,3-Trichlorobenzene	180	9.123	9.123	0.000	95	490222	50.0	50.4	
115 2-Methylnaphthalene	142	9.567	9.567	0.000	94	1104772	50.0	51.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00230	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_01005	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00231	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00222	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00032	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 08-Apr-2025 09:23:49 Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X07.D

Injection Date: 07-Apr-2025 16:41:12 Instrument ID: 15830 Operator ID: knk41612

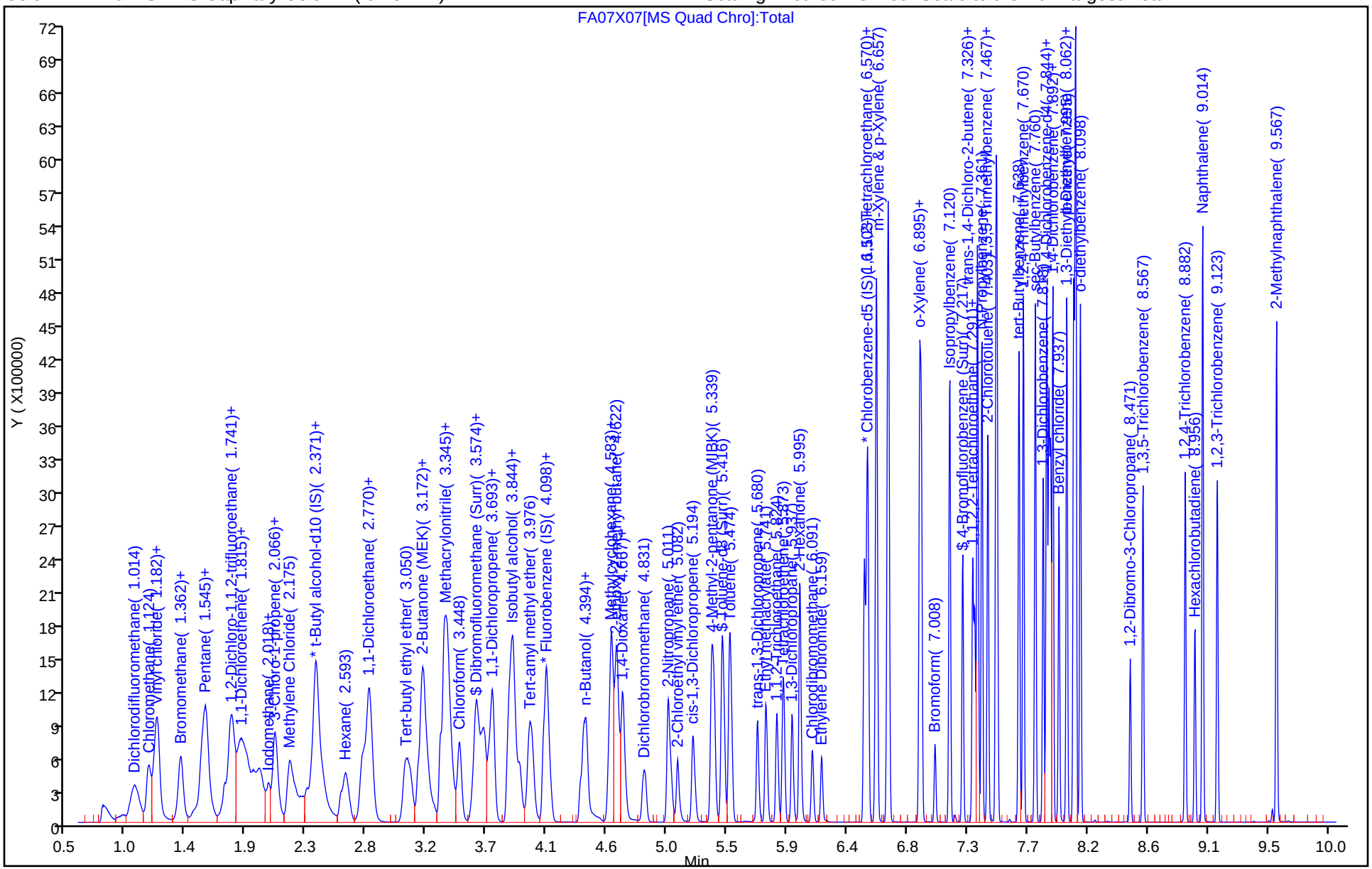
Lims ID: ICIS v50 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 57

Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

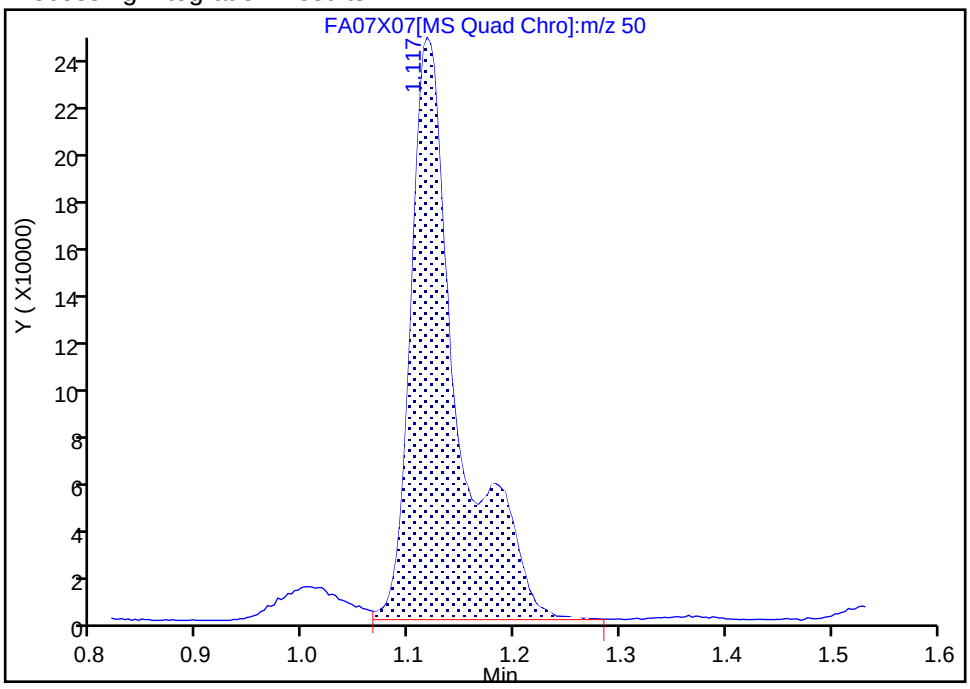
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X07.D
Injection Date: 07-Apr-2025 16:41:12 Instrument ID: 15830
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 57 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Chloromethane, CAS: 74-87-3

Signal: 1

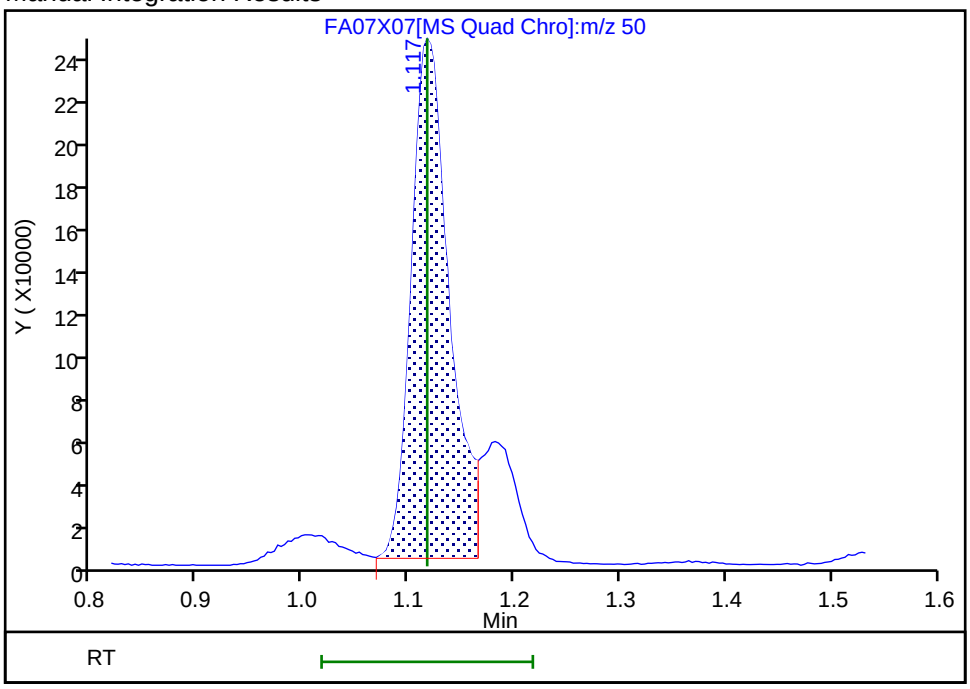
Processing Integration Results

RT: 1.12
Area: 752920
Amount: 49.363366
Amount Units: ug/l



Manual Integration Results

RT: 1.12
Area: 599298
Amount: 49.983885
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:22:21 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

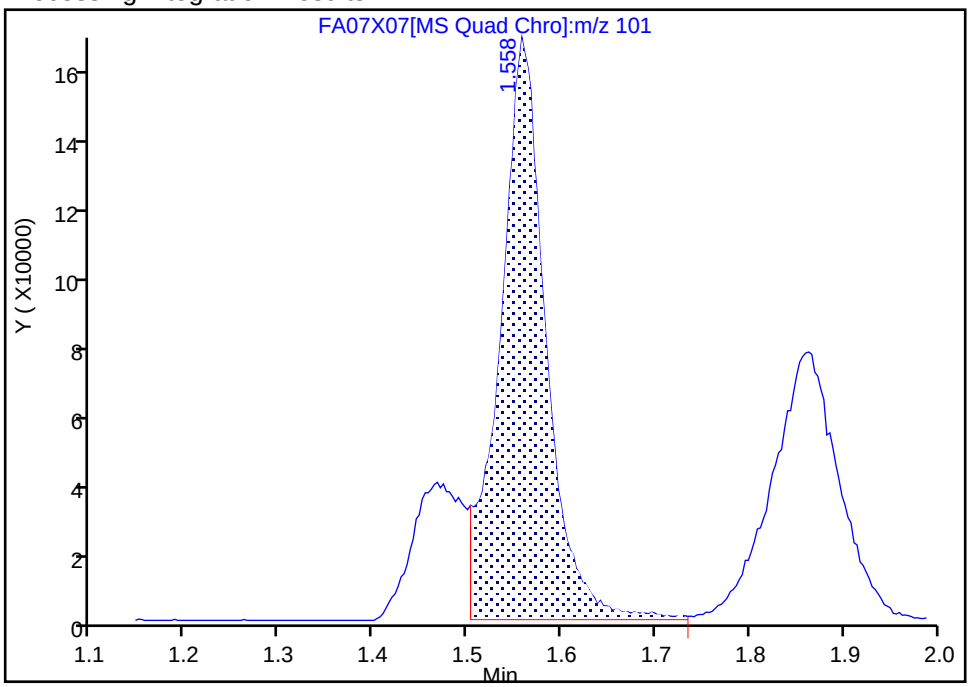
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X07.D
Injection Date: 07-Apr-2025 16:41:12 Instrument ID: 15830
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 57 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

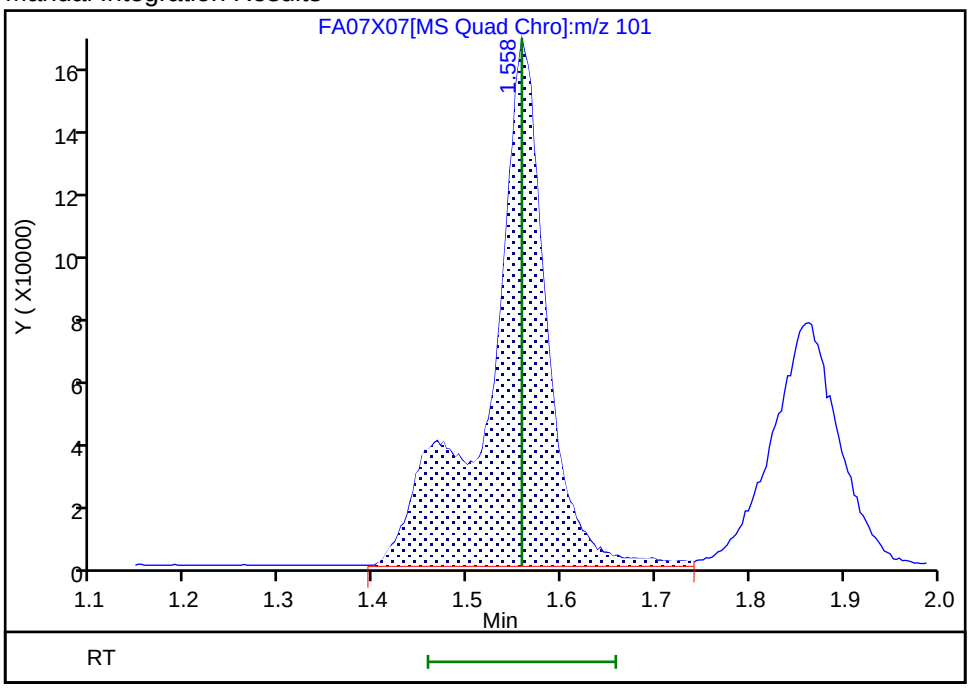
Processing Integration Results

RT: 1.56
Area: 557196
Amount: 48.998331
Amount Units: ug/l



Manual Integration Results

RT: 1.56
Area: 700694
Amount: 51.969698
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:09:10 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

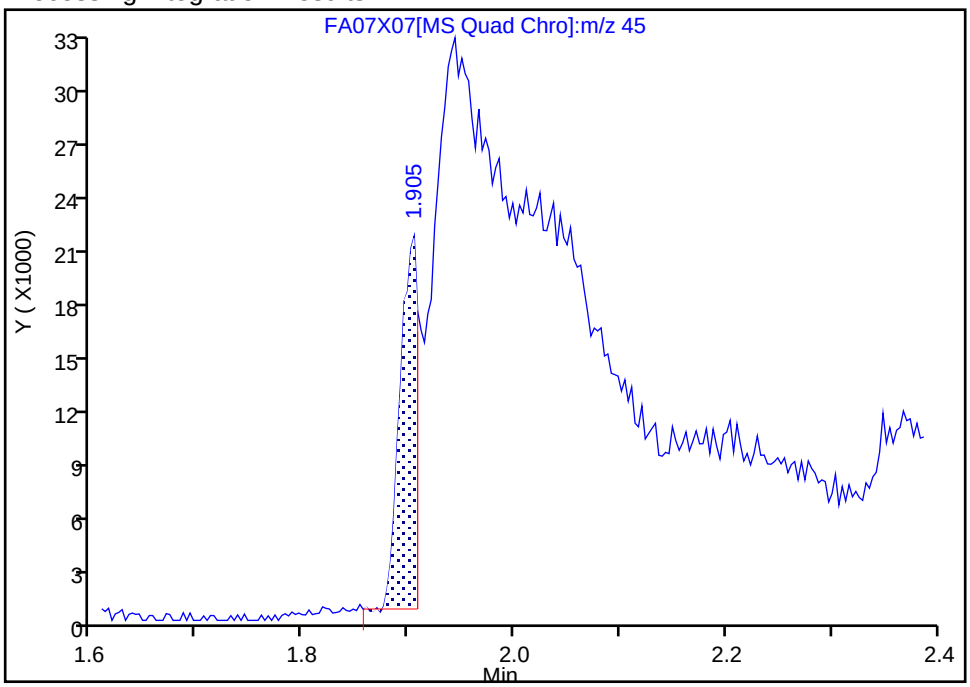
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X07.D
Injection Date: 07-Apr-2025 16:41:12 Instrument ID: 15830
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 57 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

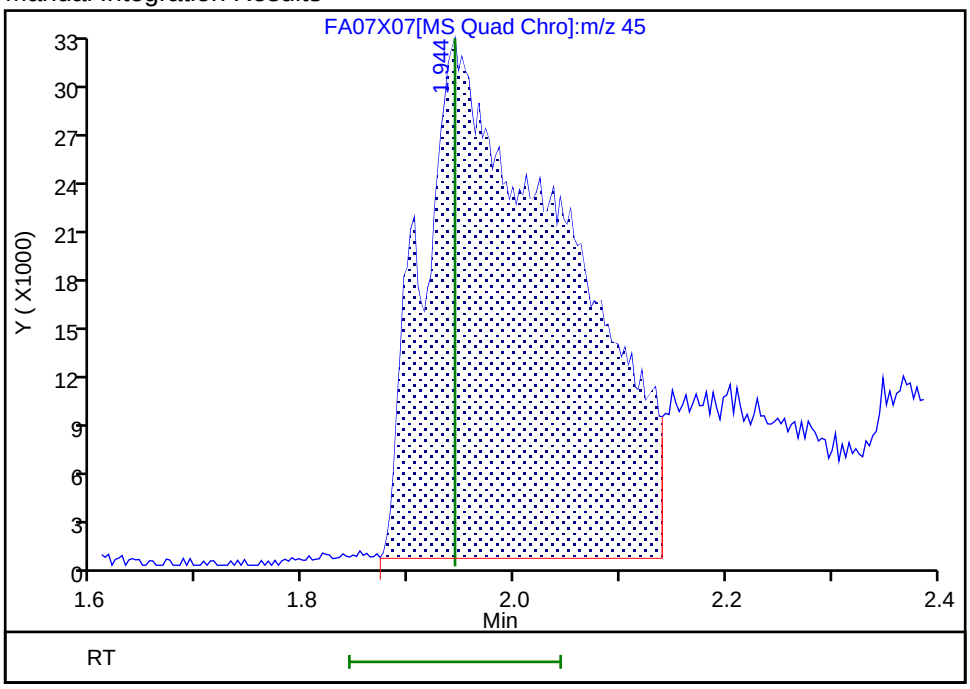
Processing Integration Results

RT: 1.91
Area: 24263
Amount: 41.064955
Amount Units: ug/l



Manual Integration Results

RT: 1.94
Area: 306362
Amount: 226.6009
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:12:19 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

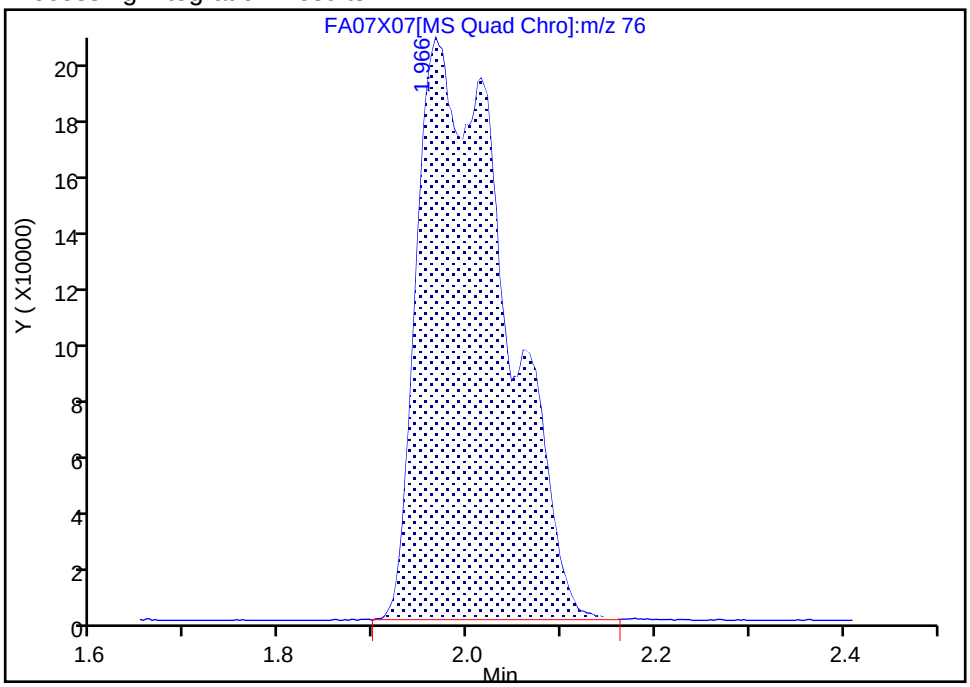
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X07.D
Injection Date: 07-Apr-2025 16:41:12 Instrument ID: 15830
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 57 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

17 Carbon disulfide, CAS: 75-15-0

Signal: 1

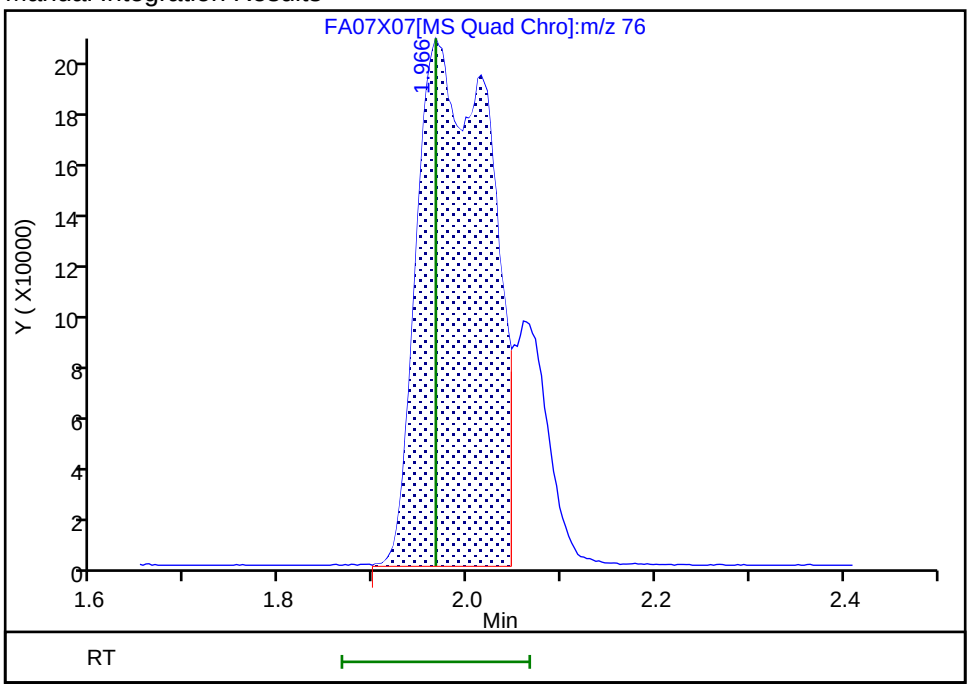
Processing Integration Results

RT: 1.97
Area: 1318856
Amount: 84.639817
Amount Units: ug/l



Manual Integration Results

RT: 1.97
Area: 1088572
Amount: 49.396555
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:09:38 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

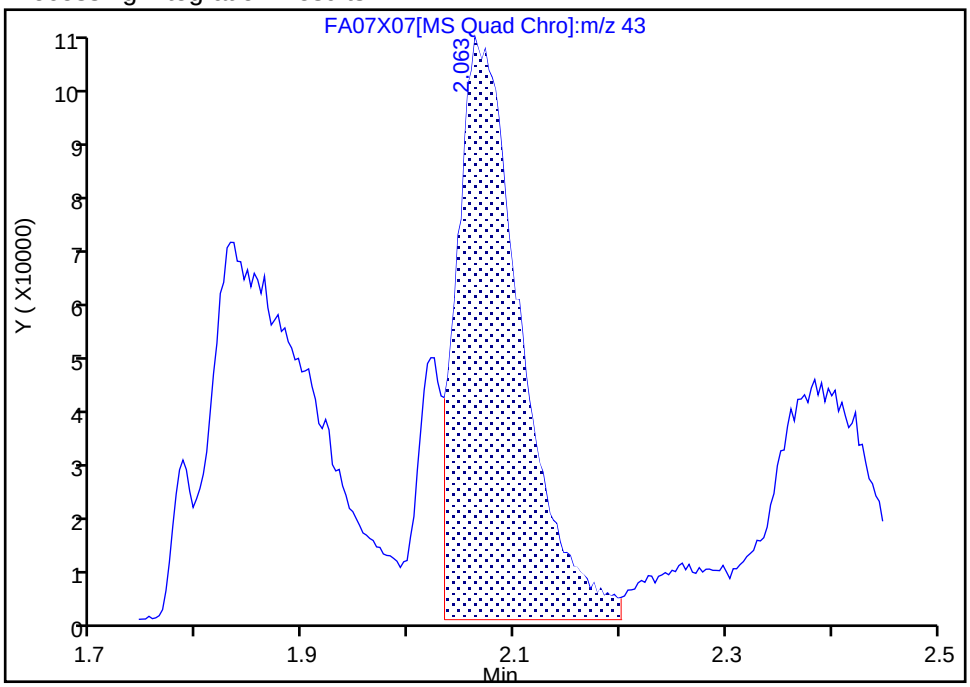
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X07.D				
Injection Date:	07-Apr-2025 16:41:12	Instrument ID:	15830		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	57	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Methyl acetate, CAS: 79-20-9

Signal: 1

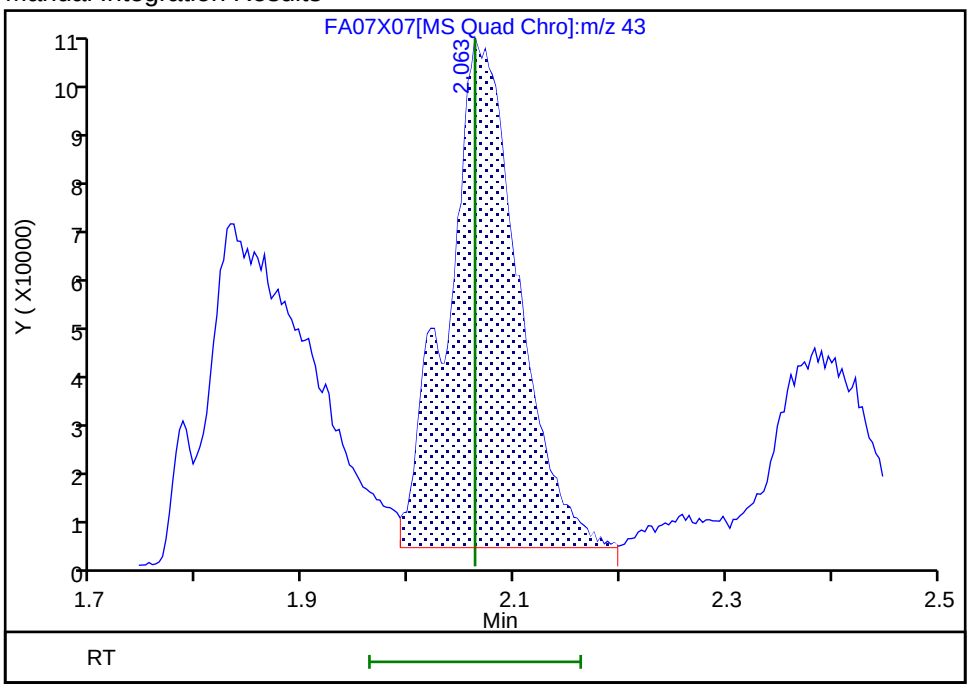
Processing Integration Results

RT: 2.06
Area: 458551
Amount: 57.544959
Amount Units: ug/l



Manual Integration Results

RT: 2.06
Area: 485671
Amount: 48.658054
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:10:04 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

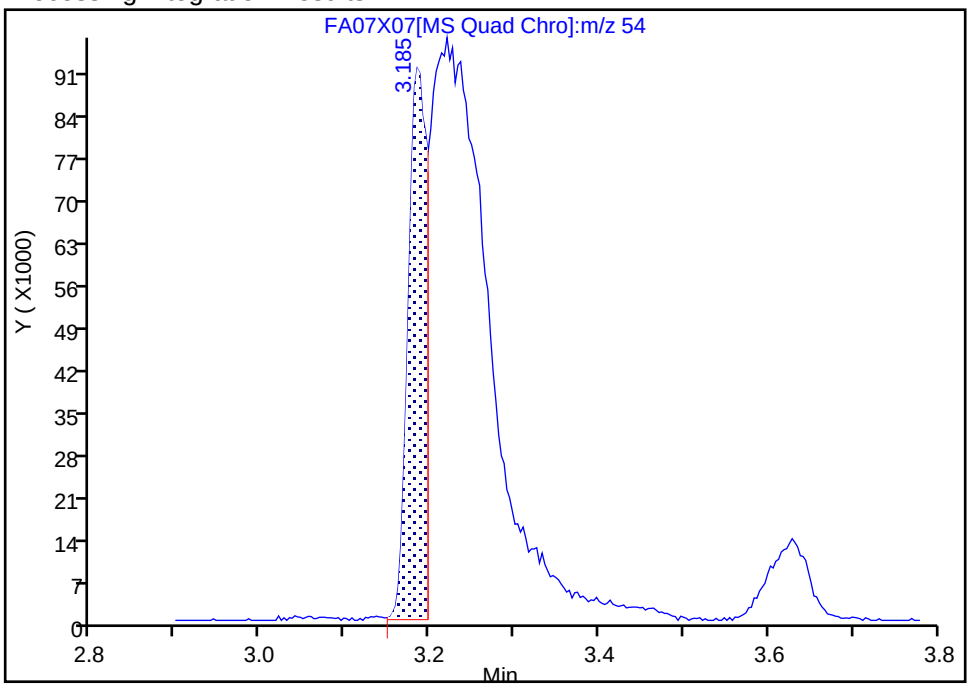
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X07.D				
Injection Date:	07-Apr-2025 16:41:12	Instrument ID:	15830		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	57	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

34 Propionitrile, CAS: 107-12-0

Signal: 1

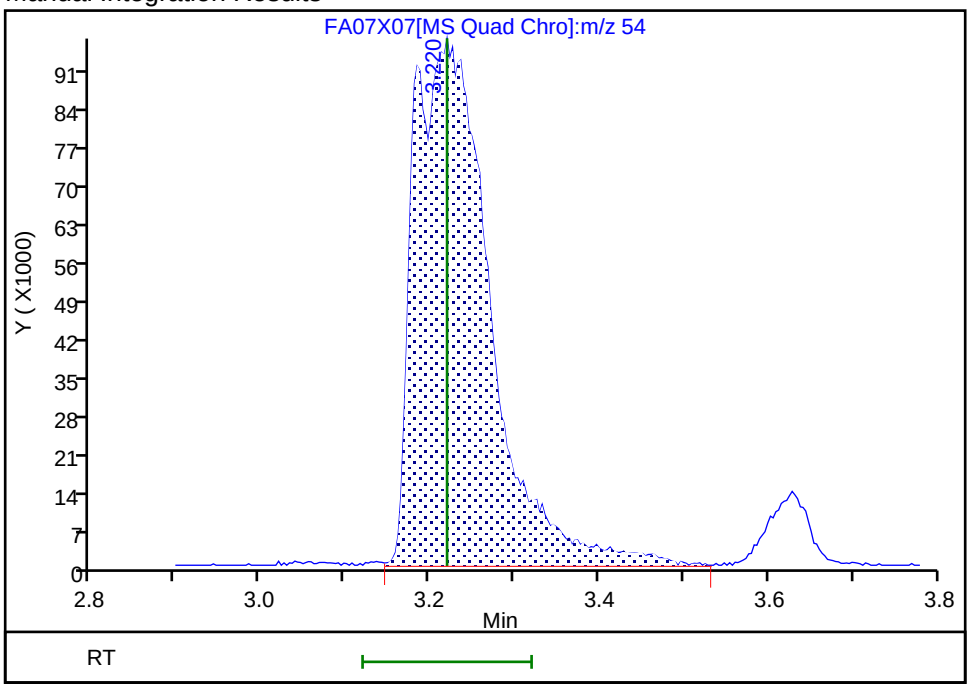
Processing Integration Results

RT: 3.18
Area: 141947
Amount: 80.721698
Amount Units: ug/l



Manual Integration Results

RT: 3.22
Area: 608257
Amount: 240.8735
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:13:29 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

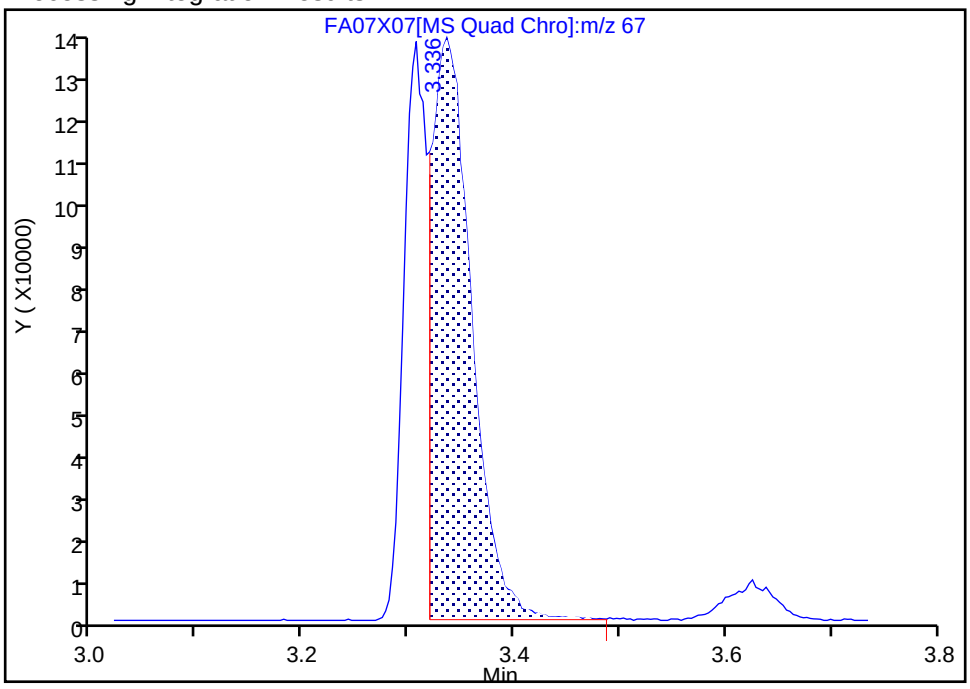
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X07.D				
Injection Date:	07-Apr-2025 16:41:12	Instrument ID:	15830		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	57	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

35 Methacrylonitrile, CAS: 126-98-7

Signal: 1

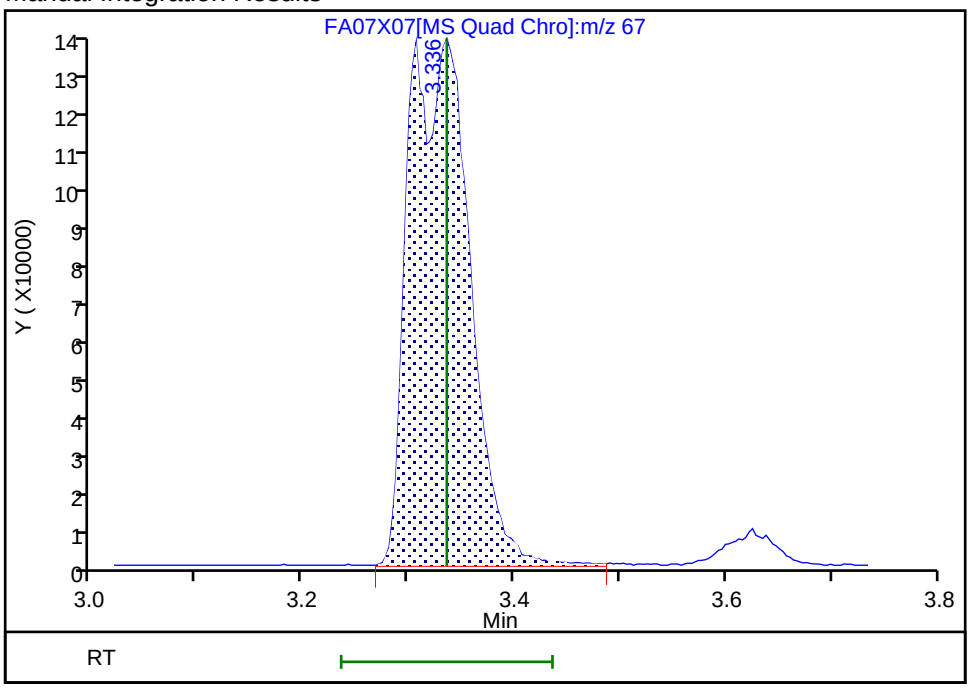
Processing Integration Results

RT: 3.34
Area: 364755
Amount: 99.575281
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 560057
Amount: 122.9997
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:13:54 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

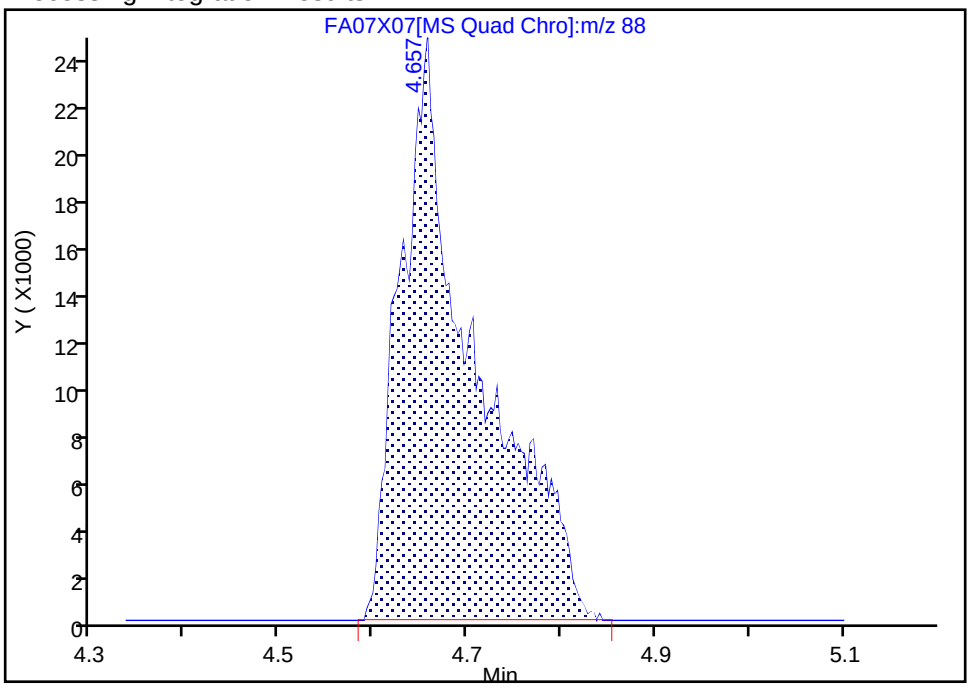
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X07.D
Injection Date: 07-Apr-2025 16:41:12 Instrument ID: 15830
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 57 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

57 1,4-Dioxane, CAS: 123-91-1

Signal: 1

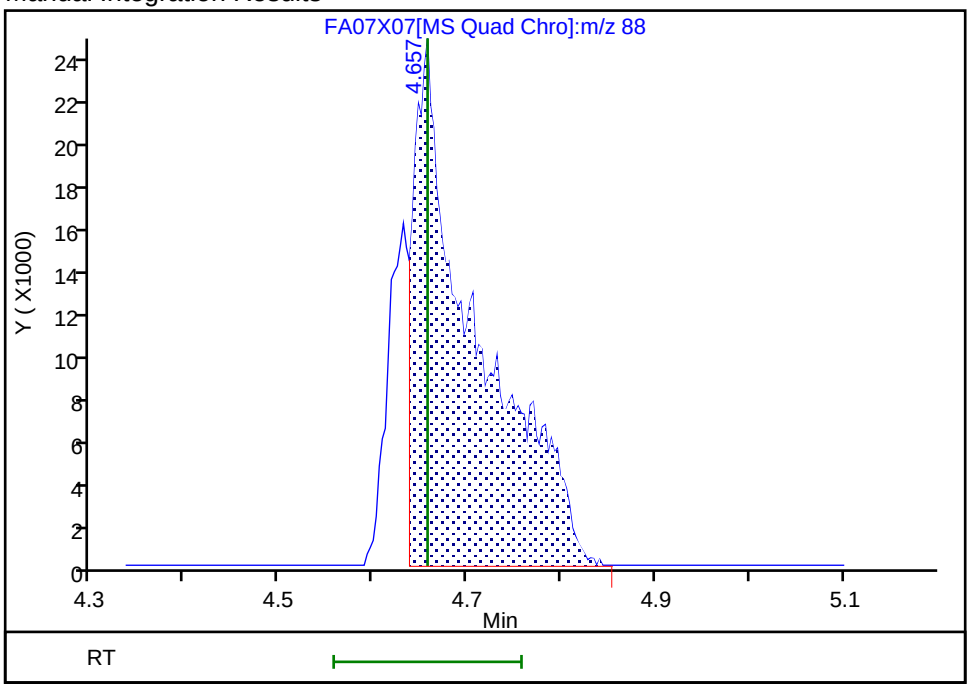
Processing Integration Results

RT: 4.66
Area: 135531
Amount: 705.2130
Amount Units: ug/l



Manual Integration Results

RT: 4.66
Area: 112760
Amount: 640.8450
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:14:48 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

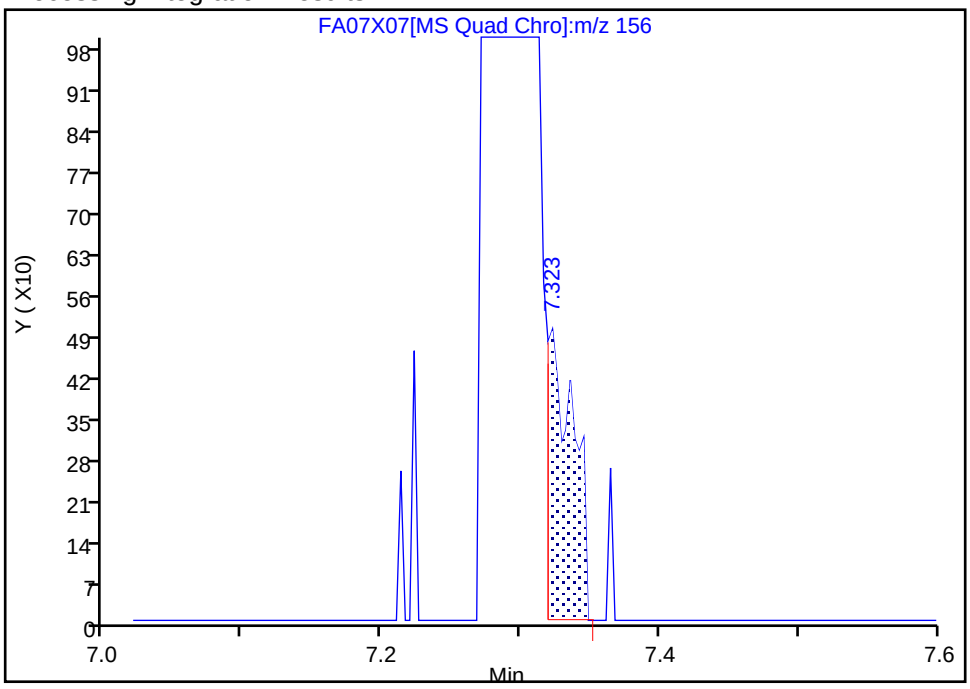
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X07.D
Injection Date: 07-Apr-2025 16:41:12 Instrument ID: 15830
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 57 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

87 Bromobenzene, CAS: 108-86-1

Signal: 1

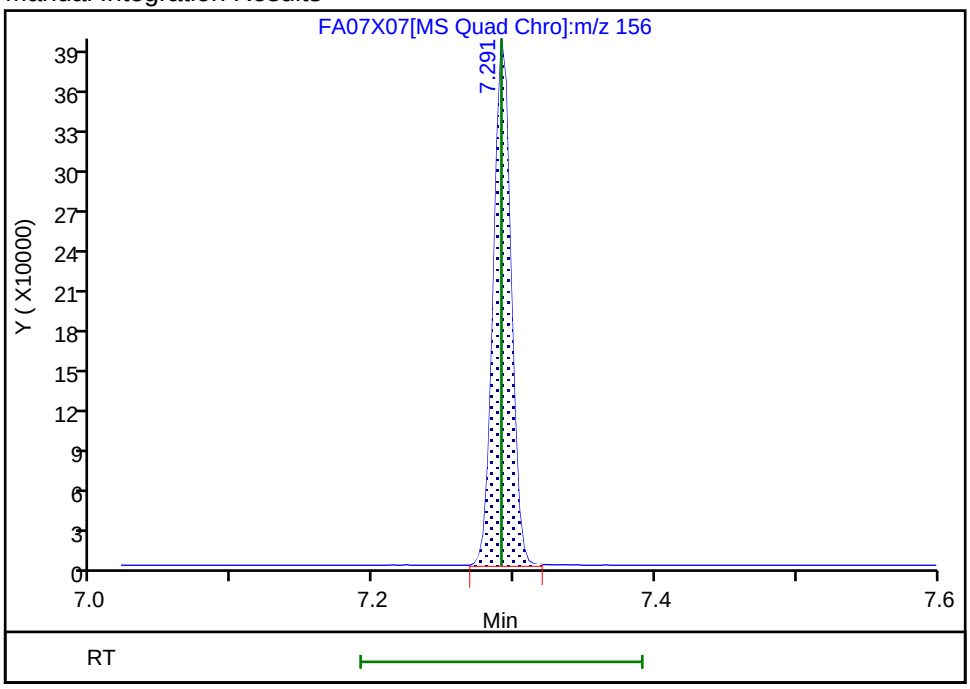
Processing Integration Results

RT: 7.32
Area: 644
Amount: 0.113344
Amount Units: ug/l



Manual Integration Results

RT: 7.29
Area: 339560
Amount: 49.574668
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 18:16:26 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

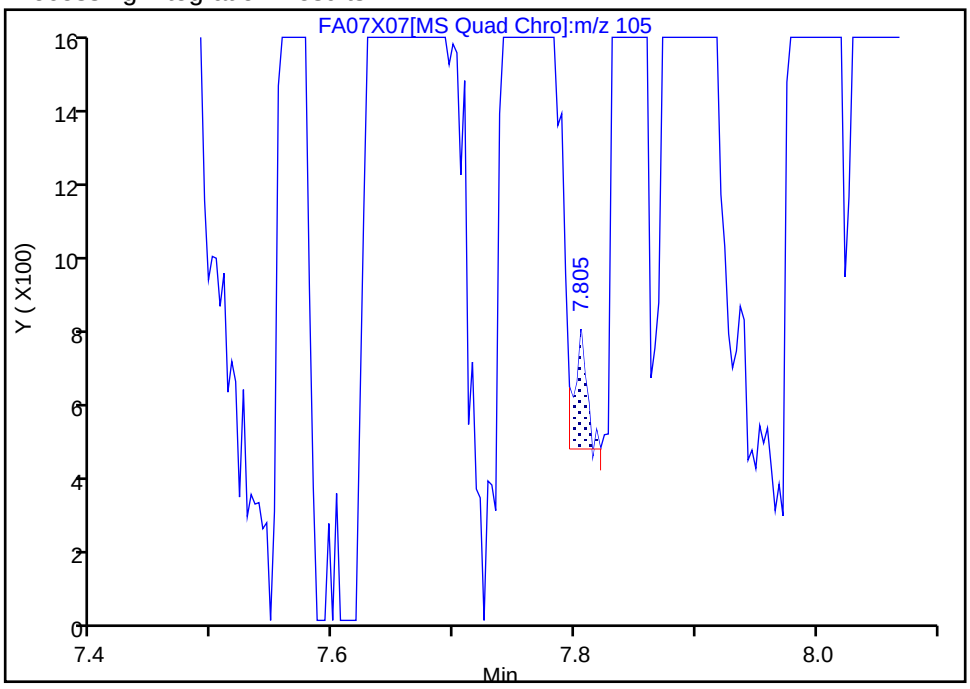
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X07.D
Injection Date: 07-Apr-2025 16:41:12 Instrument ID: 15830
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 57 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

97 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

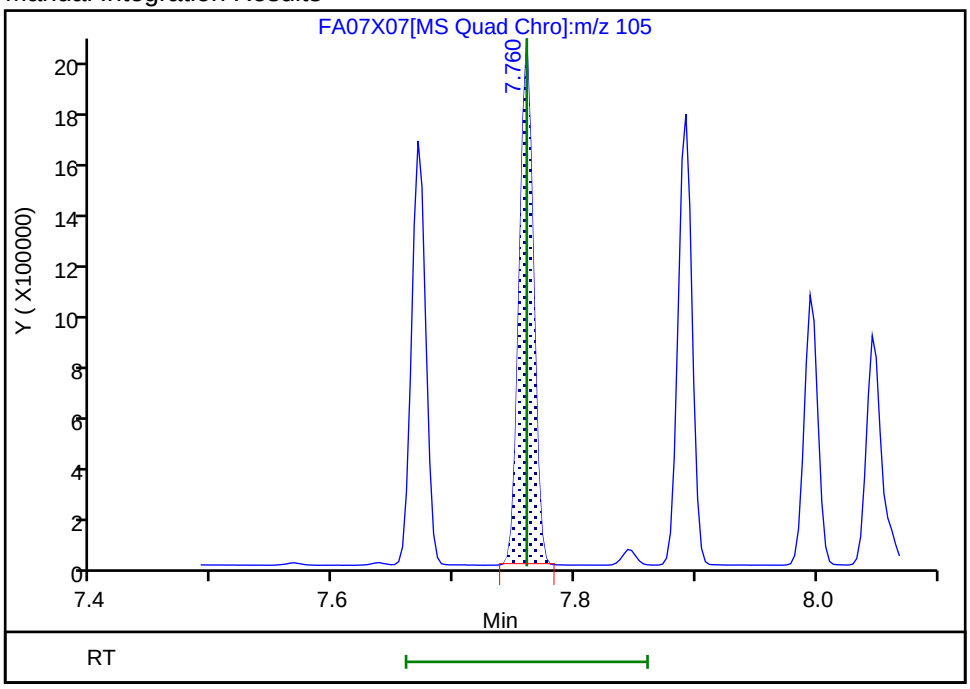
Processing Integration Results

RT: 7.81
Area: 226
Amount: 0.010224
Amount Units: ug/l



Manual Integration Results

RT: 7.76
Area: 1705741
Amount: 53.666008
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:17:09 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

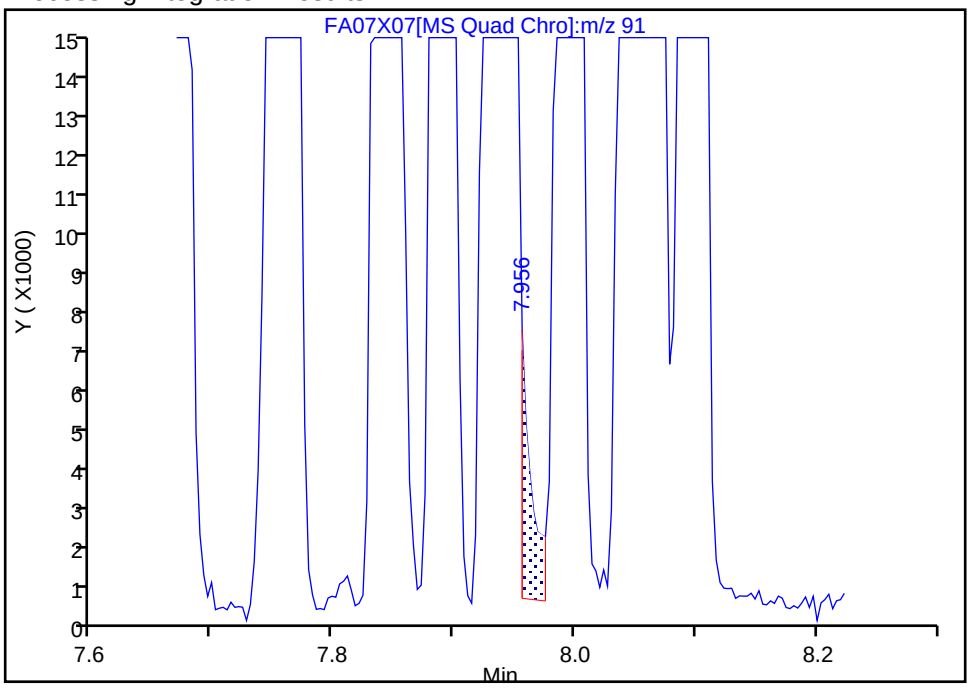
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X07.D
Injection Date: 07-Apr-2025 16:41:12 Instrument ID: 15830
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 57 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

103 Benzyl chloride, CAS: 100-44-7

Signal: 1

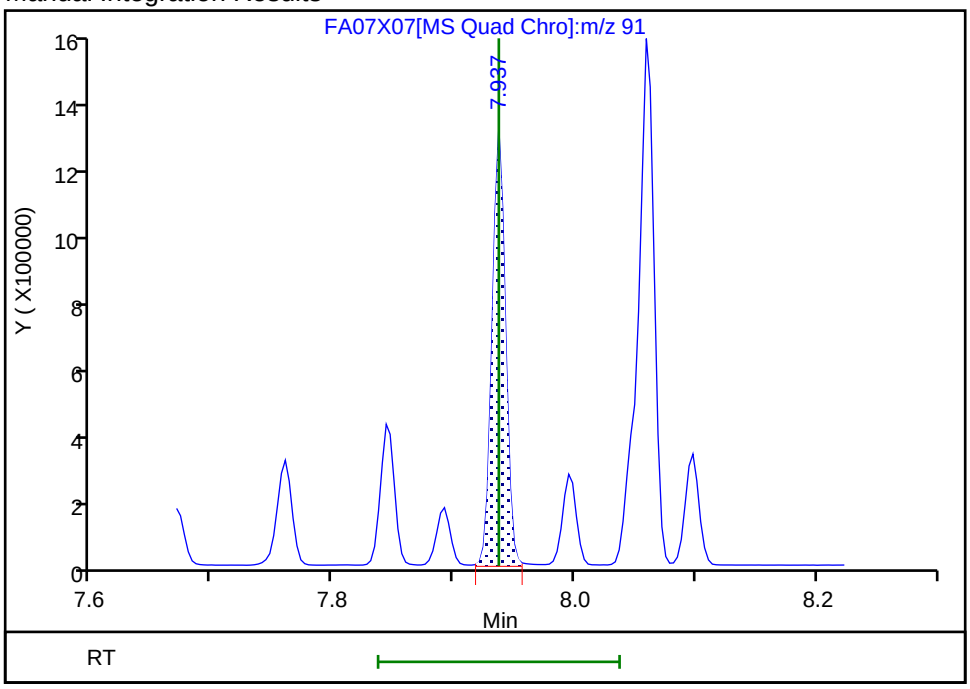
Processing Integration Results

RT: 7.96
Area: 3976
Amount: 0.321831
Amount Units: ug/l



Manual Integration Results

RT: 7.94
Area: 1018111
Amount: 51.261849
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:17:48 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X08.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-Apr-2025 17:00:24 ALS Bottle#: 58 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v100
Misc. Info.: 410-0143206-009
Operator ID: knk41612 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 08-Apr-2025 09:23:54 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: JS6E Date: 07-Apr-2025 17:47:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.008	1.011	-0.003	99	1134313	100.0	99.9	
2 Chloromethane	50	1.117	1.117	0.000	99	1191220	100.0	93.1	M
4 Vinyl chloride	62	1.175	1.175	0.000	98	1069390	100.0	96.1	
3 Butadiene	39	1.185	1.182	0.003	94	1162665	100.0	89.2	
5 Bromomethane	94	1.358	1.358	0.000	92	743980	100.0	94.5	
6 Chloroethane	64	1.368	1.371	-0.003	100	616632	100.0	94.1	
7 Pentane	43	1.513	1.519	-0.006	97	1020136	100.0	89.3	
8 Dichlorofluoromethane	67	1.542	1.542	0.000	98	1835151	100.0	97.1	
9 Trichlorofluoromethane	101	1.561	1.558	0.003	98	1421568	100.0	98.8	M
10 1,2-Dichloro-1,1,2-trifluoroetha	67	1.731	1.728	0.003	92	924678	100.0	94.8	
11 Acrolein	56	1.741	1.741	0.000	99	2812686	975.8	1014.6	
12 1,1-Dichloroethene	96	1.812	1.809	0.003	98	665637	100.0	98.1	
13 Acetone	58	1.831	1.844	-0.013	100	283216	200.0	181.1	
14 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.857	1.863	-0.006	93	784758	100.0	99.1	
15 Iodomethane	142	1.924	1.928	-0.004	98	1376642	100.0	98.4	
16 Isopropyl alcohol	45	1.944	1.944	0.000	98	712812	500.0	529.5	M
17 Carbon disulfide	76	2.011	1.966	0.045	100	2324501	100.0	98.8	M
19 Methyl acetate	43	2.066	2.063	0.003	50	1040256	100.0	97.7	M
18 3-Chloro-1-propene	41	2.063	2.066	-0.003	87	1176613	100.0	97.5	
20 Methylene Chloride	84	2.178	2.175	0.003	91	804335	100.0	96.9	
* 21 t-Butyl alcohol-d10 (IS)	65	2.278	2.275	0.003	74	853577	250.0	250.0	
22 2-Methyl-2-propanol	59	2.352	2.336	0.016	99	1719405	500.0	509.1	
23 Acrylonitrile	53	2.349	2.352	-0.003	99	1416890	250.0	241.4	
24 trans-1,2-Dichloroethene	96	2.374	2.374	0.000	99	759073	100.0	98.2	
25 Methyl tert-butyl ether	73	2.397	2.403	-0.006	93	2454860	100.0	97.5	
26 Hexane	57	2.590	2.593	-0.003	93	902856	100.0	101.5	
27 1,1-Dichloroethane	63	2.715	2.718	-0.003	96	1336746	100.0	99.4	
28 Isopropyl ether	45	2.767	2.767	0.000	92	2202518	100.0	99.5	
29 2-Chloro-1,3-butadiene	53	2.770	2.773	-0.003	91	1184701	100.0	99.0	
30 Tert-butyl ethyl ether	59	3.050	3.053	-0.003	97	2460175	100.0	100.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 2-Butanone (MEK)	43	3.137	3.136	0.001	98	1405360	200.0	194.2	
32 cis-1,2-Dichloroethene	96	3.165	3.169	-0.004	83	879290	100.0	98.6	
33 2,2-Dichloropropane	77	3.188	3.191	-0.003	88	1266056	100.0	100.0	
34 Propionitrile	54	3.217	3.220	-0.003	98	1321490	500.0	525.5	
35 Methacrylonitrile	67	3.339	3.336	0.003	94	1253593	250.0	258.0	
37 Tetrahydrofuran	71	3.371	3.336	0.035	79	1176371	500.0	522.2	M
36 Chlorobromomethane	128	3.355	3.352	0.003	93	418875	100.0	98.2	
39 Chloroform	83	3.445	3.448	-0.003	94	1342359	100.0	100.3	
$ 40 Dibromofluoromethane (Surr)	113	3.571	3.571	0.000	92	374390	50.0	48.4	
41 1,1,1-Trichloroethane	97	3.577	3.574	0.003	98	1229953	100.0	100.9	
42 Cyclohexane	56	3.628	3.625	0.003	93	1362625	100.0	98.5	
43 1,1-Dichloropropene	75	3.690	3.690	0.000	97	1039719	100.0	104.1	
44 Carbon tetrachloride	117	3.690	3.696	-0.006	95	1019901	100.0	104.5	
45 Isobutyl alcohol	41	3.809	3.808	0.001	93	1055553	1250.0	1277.1	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.837	3.831	0.006	91	90960	50.0	49.1	
47 Benzene	78	3.847	3.847	0.000	97	2989061	100.0	104.3	
48 1,2-Dichloroethane	62	3.895	3.902	-0.007	97	980157	100.0	101.5	
49 Tert-amyl methyl ether	73	3.979	3.979	0.000	98	2410243	100.0	101.3	
* 50 Fluorobenzene (IS)	96	4.098	4.098	0.000	99	1374454	50.0	50.0	
51 n-Heptane	43	4.117	4.104	0.013	92	690186	100.0	99.1	
52 n-Butanol	56	4.352	4.355	-0.003	88	936334	1250.0	1345.3	
53 Trichloroethene	95	4.394	4.394	0.000	98	749819	100.0	105.0	
54 Methylcyclohexane	83	4.583	4.583	0.000	91	1391176	100.0	102.2	
55 1,2-Dichloropropane	63	4.603	4.596	0.007	96	683196	100.0	103.9	
56 2-ethoxy-2-methyl butane	87	4.628	4.625	0.003	94	1233082	100.0	102.7	
57 1,4-Dioxane	88	4.651	4.657	-0.006	83	240853	1250.0	1374.6	M
58 Methyl methacrylate	69	4.670	4.670	0.000	90	617268	100.0	103.4	
59 Dibromomethane	93	4.673	4.673	0.000	97	463712	100.0	103.0	
60 Dichlorobromomethane	83	4.831	4.831	0.000	100	855401	100.0	110.3	
61 2-Nitropropane	41	5.014	5.011	0.003	98	1675528	500.0	536.6	
62 2-Chloroethyl vinyl ether	63	5.082	5.082	0.000	93	433835	100.0	103.4	
63 cis-1,3-Dichloropropene	75	5.198	5.197	0.001	95	978546	100.0	108.3	
64 4-Methyl-2-pentanone (MIBK)	43	5.342	5.339	0.003	96	2463089	200.0	196.5	
$ 65 Toluene-d8 (Surr)	98	5.419	5.416	0.003	93	1218470	50.0	51.4	
66 Toluene	92	5.474	5.474	0.000	98	1645190	100.0	107.1	
67 trans-1,3-Dichloropropene	75	5.680	5.680	0.000	94	854547	100.0	111.9	
68 Ethyl methacrylate	69	5.744	5.741	0.003	88	1003012	100.0	106.1	
69 1,1,2-Trichloroethane	97	5.825	5.824	0.001	90	550709	100.0	108.0	
70 Tetrachloroethene	166	5.876	5.873	0.003	96	691742	100.0	107.5	
71 1,3-Dichloropropane	76	5.940	5.937	0.003	91	906892	100.0	106.4	
72 2-Hexanone	43	5.998	5.995	0.003	95	1719402	200.0	193.6	
73 Chlorodibromomethane	129	6.091	6.091	0.000	90	594189	100.0	117.2	
S 74 1,2-Dichloroethene, Total	100				0			196.8	
75 Ethylene Dibromide	107	6.159	6.159	0.000	99	597279	100.0	106.7	
* 76 Chlorobenzene-d5 (IS)	117	6.480	6.480	0.000	84	891330	50.0	50.0	
77 Chlorobenzene	112	6.500	6.500	0.000	94	1738707	100.0	105.1	
78 1-Chlorohexane	91	6.506	6.506	0.000	96	853818	100.0	104.1	
79 1,1,1,2-Tetrachloroethane	131	6.567	6.567	0.000	95	736040	100.0	114.0	
80 Ethylbenzene	91	6.574	6.570	0.004	98	3304962	100.0	107.1	
81 m-Xylene & p-Xylene	106	6.660	6.657	0.003	99	2550074	200.0	211.4	
82 o-Xylene	106	6.895	6.895	0.000	97	1368051	100.0	106.7	
83 Styrene	104	6.908	6.908	0.000	95	1970671	100.0	104.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Bromoform	173	7.011	7.008	0.003	96	422387	100.0	118.0	
85 Isopropylbenzene	105	7.120	7.120	0.000	96	3386964	100.0	110.6	
$ 86 4-Bromofluorobenzene (Surr)	95	7.217	7.217	0.000	87	466809	50.0	48.7	
87 Bromobenzene	156	7.291	7.291	0.000	94	722366	100.0	104.5	
88 1,1,2,2-Tetrachloroethane	83	7.307	7.307	0.000	95	1087112	100.0	106.8	
89 trans-1,4-Dichloro-2-butene	53	7.326	7.326	0.000	93	865657	250.0	284.1	
90 1,2,3-Trichloropropane	110	7.332	7.332	0.000	86	345649	100.0	102.4	
91 N-Propylbenzene	91	7.361	7.361	0.000	99	3997870	100.0	111.6	
92 2-Chlorotoluene	126	7.406	7.406	0.000	96	812384	100.0	107.8	
93 1,3,5-Trimethylbenzene	105	7.468	7.464	0.004	95	3026899	100.0	112.4	
94 4-Chlorotoluene	126	7.474	7.474	0.000	99	748449	100.0	105.1	
95 tert-Butylbenzene	134	7.638	7.638	0.000	93	625464	100.0	115.3	
96 1,2,4-Trimethylbenzene	105	7.670	7.670	0.000	98	2986297	100.0	110.1	
97 sec-Butylbenzene	105	7.760	7.760	0.000	94	3721192	100.0	116.0	
98 1,3-Dichlorobenzene	146	7.821	7.818	0.003	97	1409346	100.0	104.1	
99 4-Isopropyltoluene	119	7.847	7.844	0.003	97	3156489	100.0	112.4	
* 100 1,4-Dichlorobenzene-d4	152	7.863	7.863	0.000	94	524383	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.876	7.876	0.000	94	1414629	100.0	103.9	
102 1,2,3-Trimethylbenzene	105	7.892	7.892	0.000	98	3126419	100.0	110.5	
103 Benzyl chloride	91	7.937	7.937	0.000	99	2246855	100.0	112.1	
104 1,3-Diethylbenzene	119	7.995	7.995	0.000	95	1750355	100.0	108.3	
105 p-Diethylbenzene	119	8.046	8.046	0.000	93	1801662	100.0	106.2	
106 n-Butylbenzene	92	8.062	8.059	0.003	98	1417075	100.0	105.4	
107 1,2-Dichlorobenzene	146	8.062	8.066	-0.004	97	1436617	100.0	103.5	
108 o-diethylbenzene	119	8.098	8.098	0.000	95	1509216	100.0	110.0	
109 1,2-Dibromo-3-Chloropropane	75	8.471	8.471	0.000	86	404969	100.0	110.5	
110 1,3,5-Trichlorobenzene	180	8.567	8.567	0.000	97	1041945	100.0	106.2	
111 1,2,4-Trichlorobenzene	180	8.882	8.882	0.000	95	1039805	100.0	105.8	
112 Hexachlorobutadiene	225	8.956	8.956	0.000	98	359906	100.0	109.1	
113 Naphthalene	128	9.014	9.014	0.000	97	4561800	100.0	109.1	
114 1,2,3-Trichlorobenzene	180	9.123	9.123	0.000	97	1033869	100.0	105.4	
115 2-Methylnaphthalene	142	9.567	9.567	0.000	92	2316143	100.0	106.7	
S 139 1,3-Dichloropropene, Total	100				0			220.2	
S 140 Xylenes, Total	106				0			318.1	
S 141 Total Diethylbenzene	1				0			324.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00230	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_01005	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00231	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00222	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00032	Amount Added:	5.00	Units: uL	Run Reagent

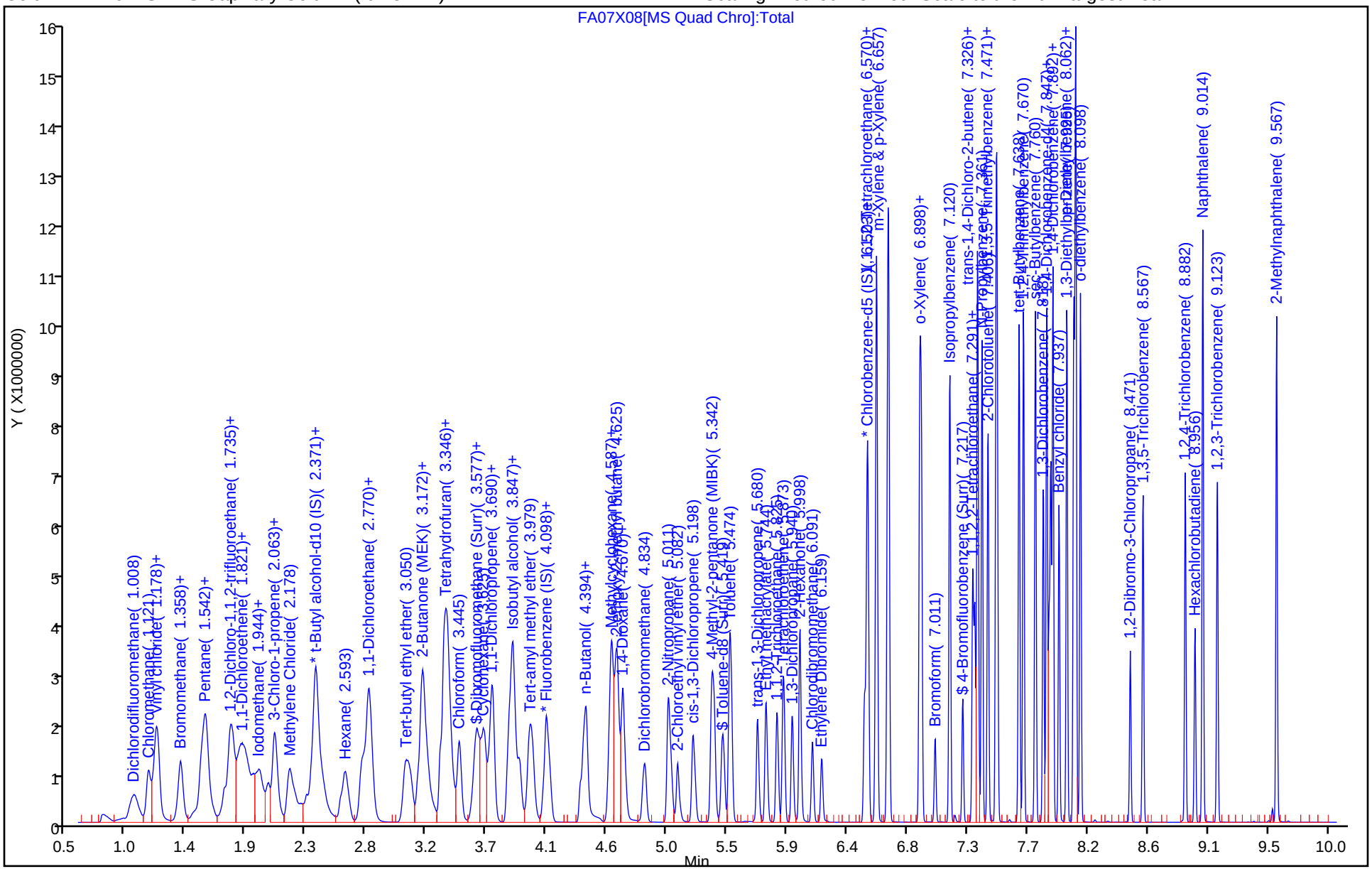
Report Date: 08-Apr-2025 09:23:55 Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X08.D

Injection Date:	07-Apr-2025 17:00:24	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	IC v100			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	58
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

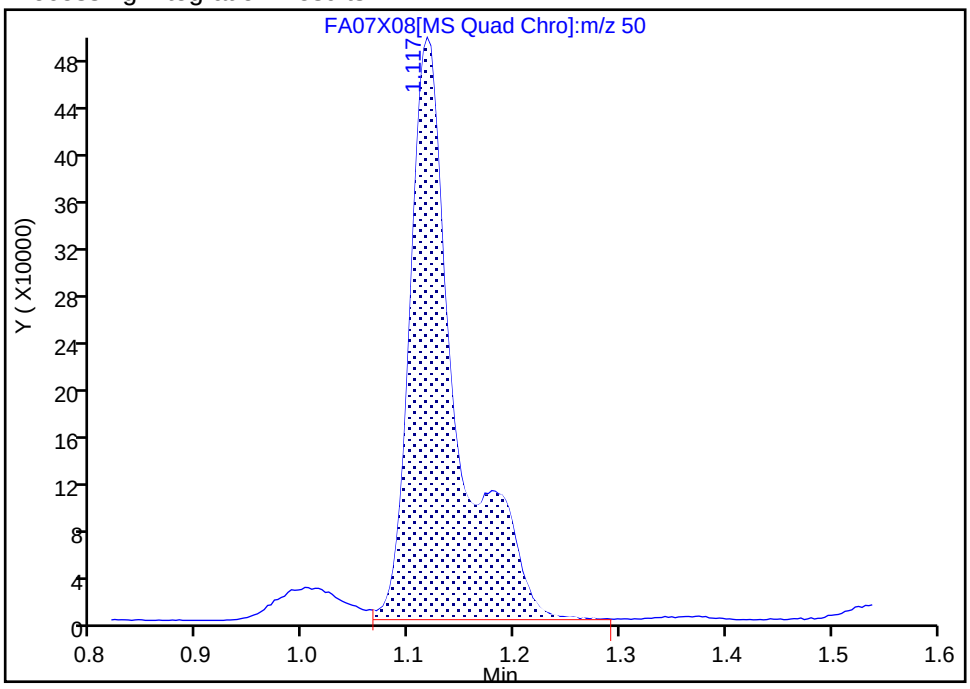
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X08.D
Injection Date: 07-Apr-2025 17:00:24 Instrument ID: 15830
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 58 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Chloromethane, CAS: 74-87-3

Signal: 1

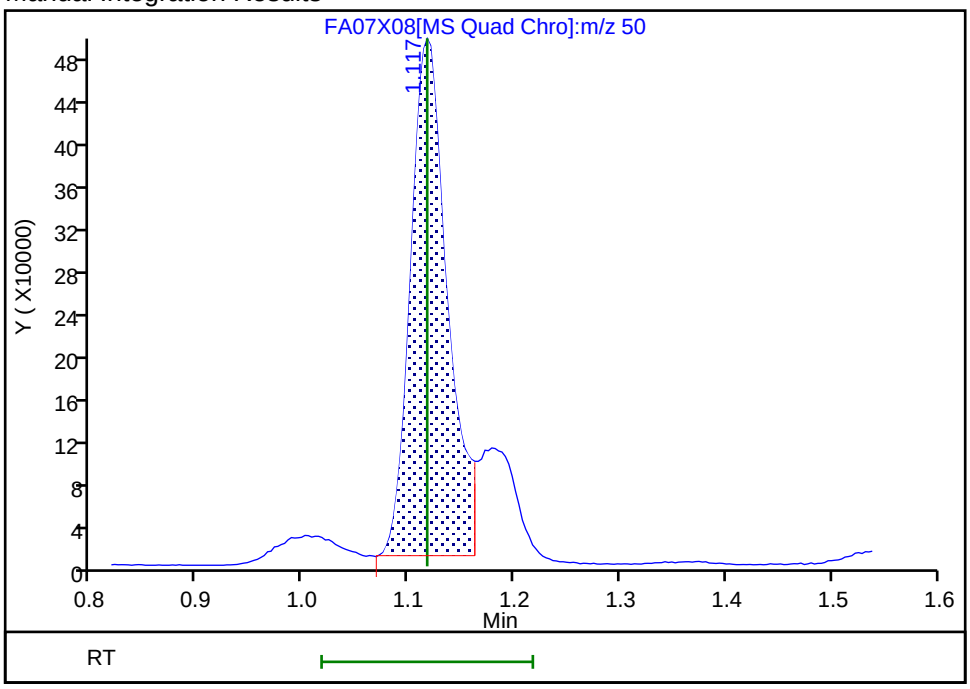
Processing Integration Results

RT: 1.12
Area: 1509629
Amount: 104.7080
Amount Units: ug/l



Manual Integration Results

RT: 1.12
Area: 1191220
Amount: 93.106858
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:44:43 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

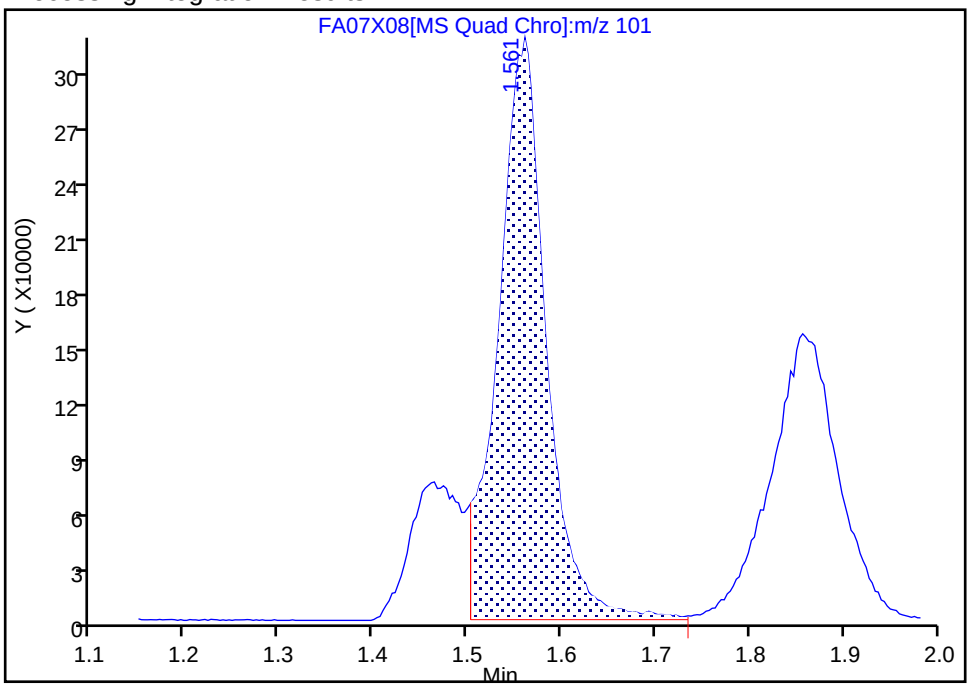
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X08.D
Injection Date: 07-Apr-2025 17:00:24 Instrument ID: 15830
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 58 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

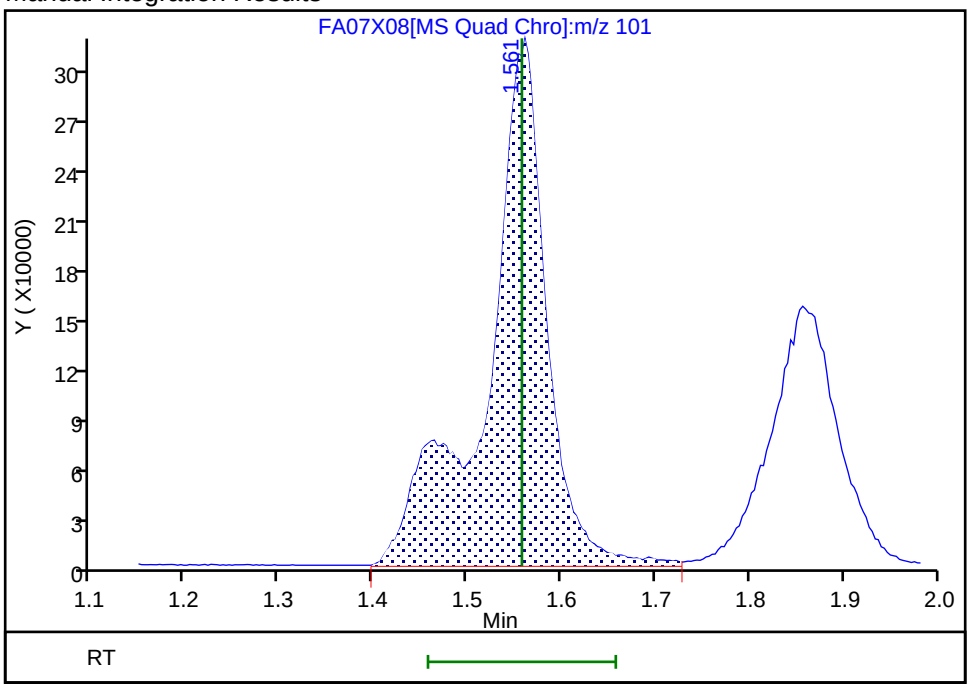
Processing Integration Results

RT: 1.56
Area: 1134401
Amount: 75.999193
Amount Units: ug/l



Manual Integration Results

RT: 1.56
Area: 1421568
Amount: 98.807963
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:45:06 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

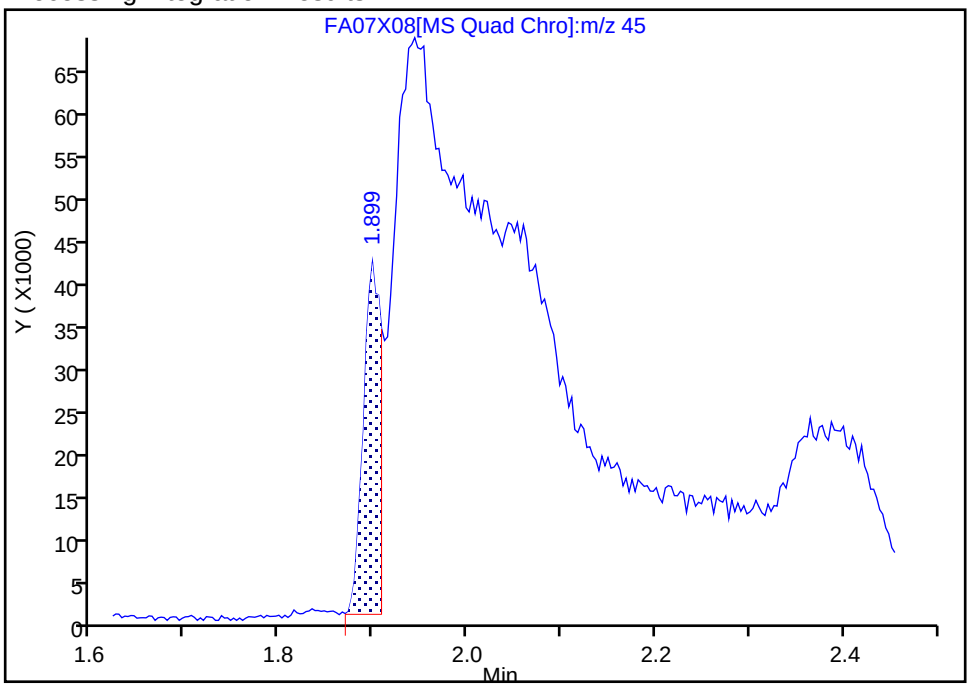
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X08.D
Injection Date: 07-Apr-2025 17:00:24 Instrument ID: 15830
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 58 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

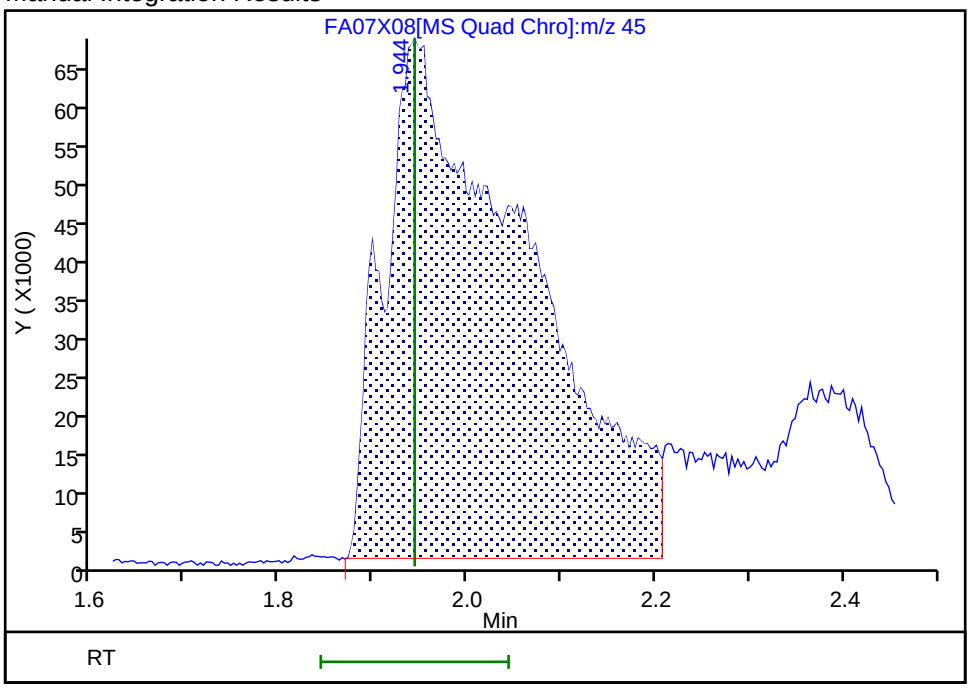
Processing Integration Results

RT: 1.90
Area: 52227
Amount: 49.351337
Amount Units: ug/l



Manual Integration Results

RT: 1.94
Area: 712812
Amount: 529.4710
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:45:38 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

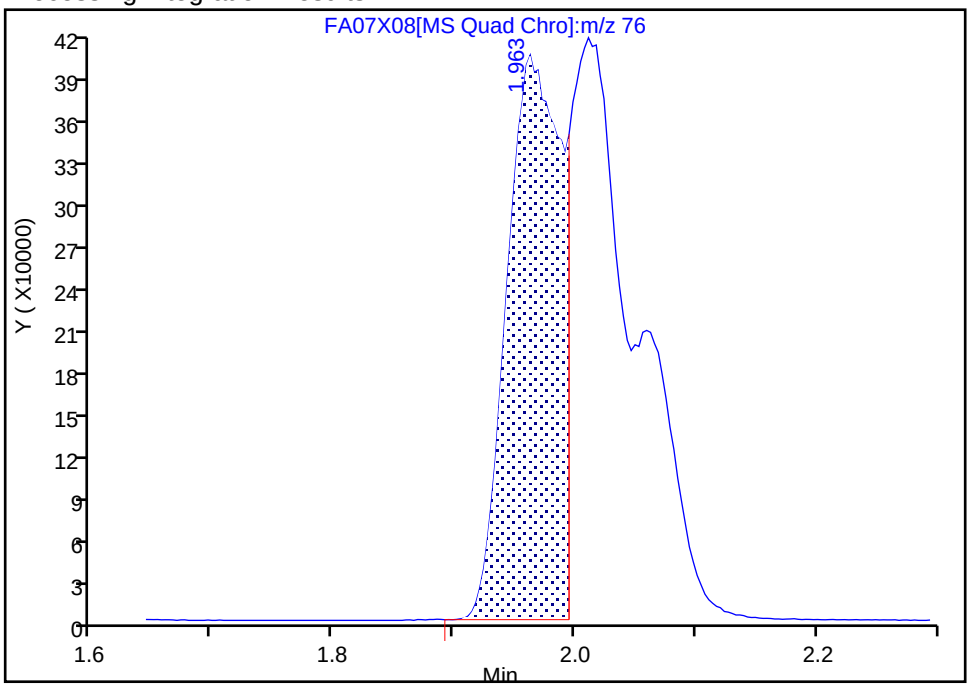
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X08.D
Injection Date: 07-Apr-2025 17:00:24 Instrument ID: 15830
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 58 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

17 Carbon disulfide, CAS: 75-15-0

Signal: 1

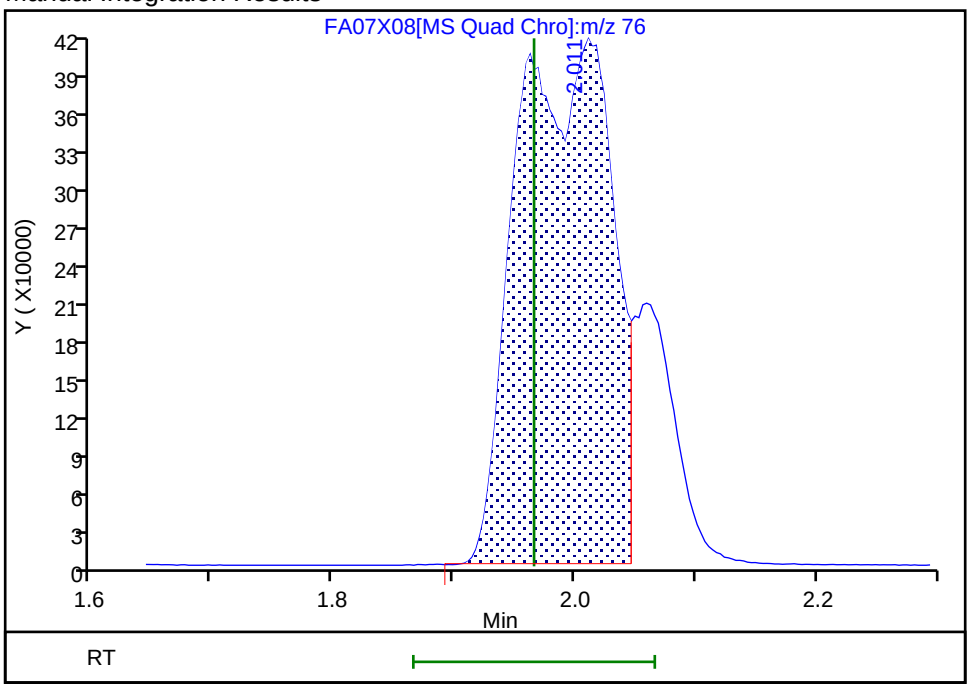
Processing Integration Results

RT: 1.96
Area: 1293493
Amount: 59.901182
Amount Units: ug/l



Manual Integration Results

RT: 2.01
Area: 2324501
Amount: 98.848880
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:45:51 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

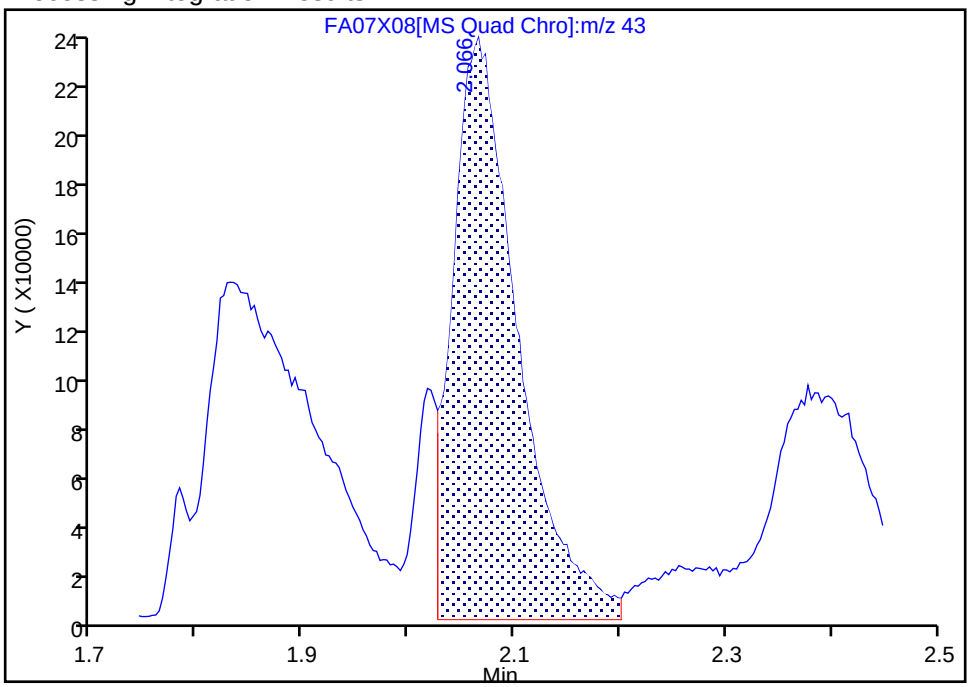
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X08.D				
Injection Date:	07-Apr-2025 17:00:24	Instrument ID:	15830		
Lims ID:	IC v100				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	58	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Methyl acetate, CAS: 79-20-9

Signal: 1

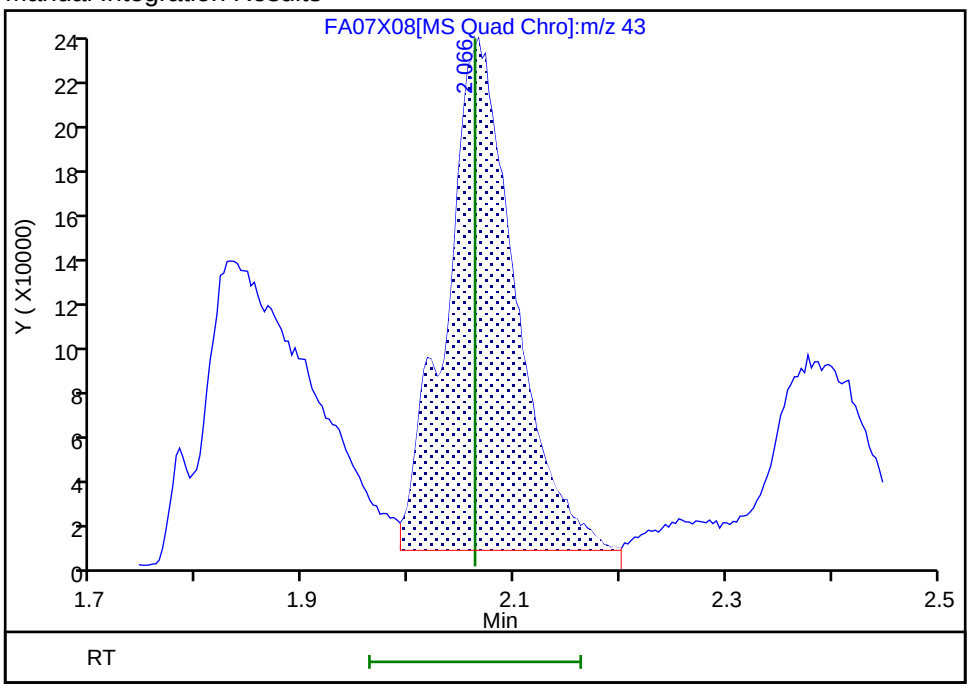
Processing Integration Results

RT: 2.07
Area: 1021538
Amount: 95.867135
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 1040256
Amount: 97.668677
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:46:13 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

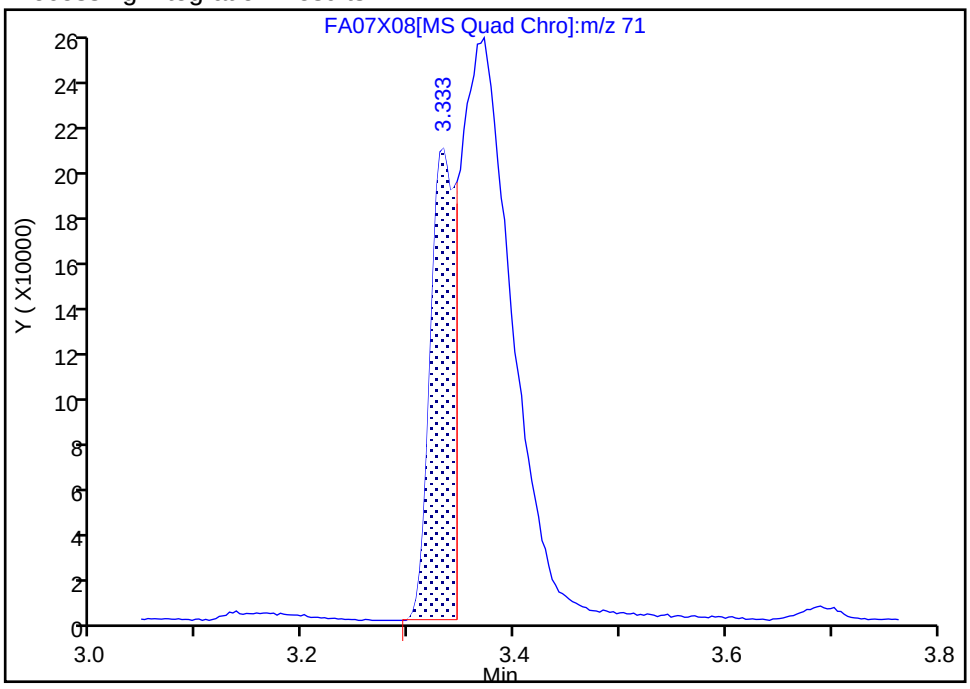
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X08.D
Injection Date: 07-Apr-2025 17:00:24 Instrument ID: 15830
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 58 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

37 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

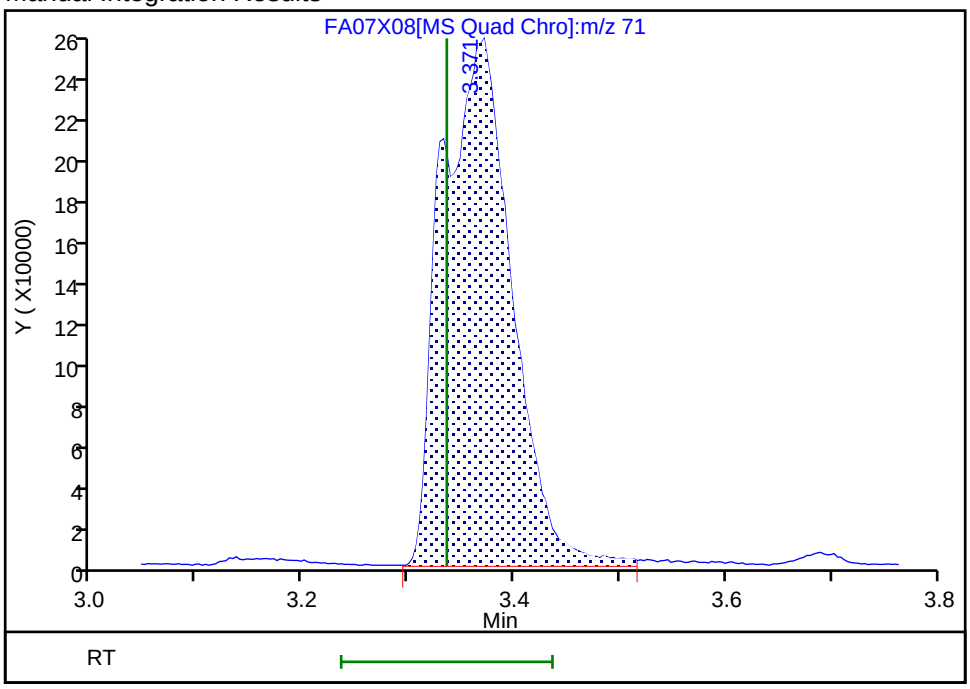
Processing Integration Results

RT: 3.33
Area: 344875
Amount: 183.7206
Amount Units: ug/l



Manual Integration Results

RT: 3.37
Area: 1176371
Amount: 522.2090
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:46:34 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

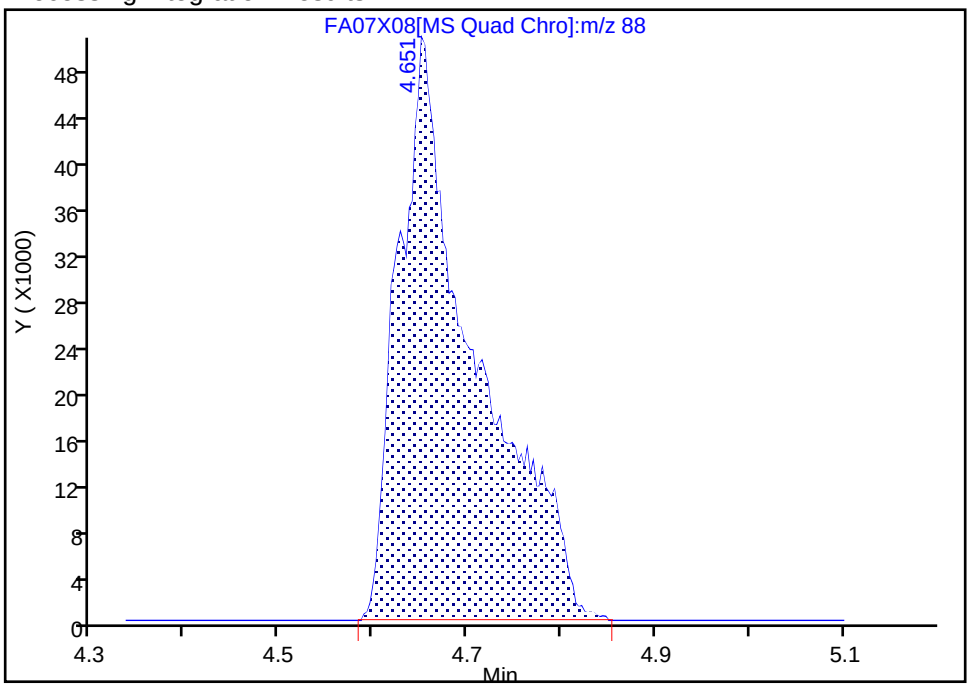
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X08.D				
Injection Date:	07-Apr-2025 17:00:24	Instrument ID:	15830		
Lims ID:	IC v100				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	58	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

57 1,4-Dioxane, CAS: 123-91-1

Signal: 1

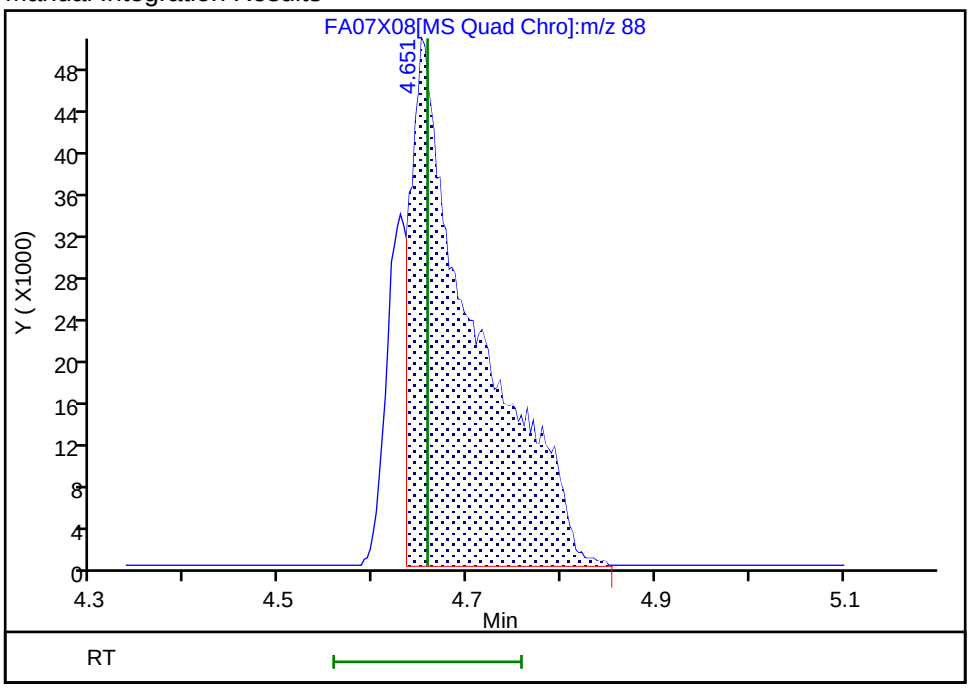
Processing Integration Results

RT: 4.65
Area: 284715
Amount: 1586.0556
Amount Units: ug/l



Manual Integration Results

RT: 4.65
Area: 240853
Amount: 1374.6447
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:46:54 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 07-Apr-2025 17:19:49 ALS Bottle#: 59 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC v300
Misc. Info.: 410-0143206-010
Operator ID: knk41612 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 08-Apr-2025 09:23:58 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: JS6E Date: 07-Apr-2025 17:53:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.005	1.011	-0.006	99	3342877	300.0	268.9	
2 Chloromethane	50	1.114	1.117	-0.003	99	3587450	300.0	256.2	M
4 Vinyl chloride	62	1.172	1.175	-0.003	98	3163711	300.0	259.7	
3 Butadiene	39	1.182	1.182	0.000	93	3428129	300.0	240.3	
5 Bromomethane	94	1.355	1.358	-0.003	91	2197187	300.0	254.9	
6 Chloroethane	64	1.365	1.371	-0.006	99	1828398	300.0	255.0	
7 Pentane	43	1.510	1.519	-0.009	96	3040491	300.0	243.2	
8 Dichlorofluoromethane	67	1.539	1.542	-0.003	97	5541610	300.0	267.9	
9 Trichlorofluoromethane	101	1.555	1.558	-0.003	98	4234411	300.0	268.9	M
10 1,2-Dichloro-1,1,2-trifluoroetha	67	1.725	1.728	-0.003	92	2765381	300.0	258.9	
11 Acrolein	56	1.738	1.741	-0.003	100	8881683	2927.4	3161.6	
12 1,1-Dichloroethene	96	1.818	1.809	0.009	98	1927438	300.0	259.5	
13 Acetone	58	1.828	1.844	-0.016	99	899819	600.0	567.7	
14 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.860	1.863	-0.003	93	2250209	300.0	259.5	
15 Iodomethane	142	1.928	1.928	0.000	99	3984206	300.0	260.3	
16 Isopropyl alcohol	45	1.937	1.944	-0.007	99	2266547	1500.0	1661.3	
17 Carbon disulfide	76	2.014	1.966	0.048	99	6980106	300.0	271.2	M
19 Methyl acetate	43	2.060	2.063	-0.003	97	3056919	300.0	262.2	M
18 3-Chloro-1-propene	41	2.063	2.066	-0.003	88	3450228	300.0	261.2	
20 Methylene Chloride	84	2.182	2.175	0.007	91	2381747	300.0	262.2	
* 21 t-Butyl alcohol-d10 (IS)	65	2.207	2.275	-0.068	76	864999	250.0	250.0	M
22 2-Methyl-2-propanol	59	2.362	2.336	0.026	100	5046714	1500.0	1474.7	
23 Acrylonitrile	53	2.346	2.352	-0.006	100	4252870	750.0	661.9	
24 trans-1,2-Dichloroethene	96	2.368	2.374	-0.006	99	2196547	300.0	259.7	
25 Methyl tert-butyl ether	73	2.387	2.403	-0.016	93	7245962	300.0	262.9	
26 Hexane	57	2.590	2.593	-0.003	93	2652932	300.0	272.5	
27 1,1-Dichloroethane	63	2.712	2.718	-0.006	96	3913898	300.0	265.8	
28 Isopropyl ether	45	2.770	2.767	0.003	94	6613294	300.0	272.9	
29 2-Chloro-1,3-butadiene	53	2.767	2.773	-0.006	92	3503427	300.0	267.6	
30 Tert-butyl ethyl ether	59	3.056	3.053	0.003	98	7350871	300.0	274.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 2-Butanone (MEK)	43	3.169	3.136	0.033	99	4663275	600.0	588.6	M
32 cis-1,2-Dichloroethene	96	3.166	3.169	-0.003	82	2540943	300.0	260.3	
33 2,2-Dichloropropane	77	3.195	3.191	0.003	88	3730843	300.0	269.3	
34 Propionitrile	54	3.220	3.220	0.000	99	4043744	1500.0	1586.9	
35 Methacrylonitrile	67	3.336	3.336	0.000	94	3927606	750.0	738.5	
37 Tetrahydrofuran	71	3.365	3.336	0.029	87	3669937	1500.0	1607.6	
36 Chlorobromomethane	128	3.355	3.352	0.003	94	1189101	300.0	254.8	
39 Chloroform	83	3.445	3.448	-0.003	93	3949251	300.0	269.7	
$ 40 Dibromofluoromethane (Surr)	113	3.571	3.571	0.000	91	384816	50.0	45.5	
41 1,1,1-Trichloroethane	97	3.571	3.574	-0.003	98	3715767	300.0	278.5	
42 Cyclohexane	56	3.635	3.625	0.010	91	4055326	300.0	267.8	
43 1,1-Dichloropropene	75	3.690	3.690	0.000	97	3246896	300.0	297.0	
44 Carbon tetrachloride	117	3.693	3.696	-0.003	96	3151072	300.0	294.9	
45 Isobutyl alcohol	41	3.831	3.808	0.023	94	3180842	3750.0	3797.7	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.834	3.831	0.003	87	96649	50.0	47.6	
47 Benzene	78	3.847	3.847	0.000	97	9296645	300.0	296.5	
48 1,2-Dichloroethane	62	3.895	3.902	-0.007	98	3065401	300.0	290.2	
49 Tert-amyl methyl ether	73	3.982	3.979	0.003	98	7197473	300.0	276.5	
* 50 Fluorobenzene (IS)	96	4.098	4.098	0.000	99	1504366	50.0	50.0	
51 n-Heptane	43	4.111	4.104	0.007	90	2124457	300.0	278.7	
52 n-Butanol	56	4.355	4.355	0.000	89	2781299	3750.0	3943.2	
53 Trichloroethene	95	4.394	4.394	0.000	99	2434539	300.0	311.5	
54 Methylcyclohexane	83	4.584	4.583	0.001	91	4150092	300.0	278.6	
55 1,2-Dichloropropane	63	4.606	4.596	0.010	96	2206202	300.0	306.7	
56 2-ethoxy-2-methyl butane	87	4.629	4.625	0.004	94	3796306	300.0	288.8	
57 1,4-Dioxane	88	4.654	4.657	-0.003	87	705645	3750.0	3974.2	M
58 Methyl methacrylate	69	4.677	4.670	0.007	89	2056642	300.0	314.9	
59 Dibromomethane	93	4.674	4.673	0.001	97	1485752	300.0	301.6	
60 Dichlorobromomethane	83	4.838	4.831	0.007	99	2877039	300.0	338.9	
61 2-Nitropropane	41	5.021	5.011	0.010	98	5816374	1500.0	1830.2	
62 2-Chloroethyl vinyl ether	63	5.085	5.082	0.003	92	1455439	300.0	317.0	
63 cis-1,3-Dichloropropene	75	5.204	5.197	0.007	95	3451025	300.0	349.0	
64 4-Methyl-2-pentanone (MIBK)	43	5.346	5.339	0.007	97	8121838	600.0	591.9	
$ 65 Toluene-d8 (Surr)	98	5.423	5.416	0.007	93	1395845	50.0	51.3	
66 Toluene	92	5.481	5.474	0.007	98	5362683	300.0	304.1	
67 trans-1,3-Dichloropropene	75	5.683	5.680	0.003	92	2953449	300.0	336.7	
68 Ethyl methacrylate	69	5.747	5.741	0.006	88	3225424	300.0	297.1	
69 1,1,2-Trichloroethane	97	5.831	5.824	0.007	91	1817815	300.0	310.5	
70 Tetrachloroethene	166	5.876	5.873	0.003	96	2272089	300.0	307.4	
71 1,3-Dichloropropane	76	5.944	5.937	0.007	91	3099359	300.0	316.7	
72 2-Hexanone	43	5.998	5.995	0.003	96	5726083	600.0	561.5	
73 Chlorodibromomethane	129	6.091	6.091	0.000	90	2096234	300.0	360.2	
S 74 1,2-Dichloroethene, Total	100				0			520.0	
75 Ethylene Dibromide	107	6.162	6.159	0.003	99	1969655	300.0	306.5	
* 76 Chlorobenzene-d5 (IS)	117	6.481	6.480	0.001	84	1023601	50.0	50.0	
77 Chlorobenzene	112	6.500	6.500	0.000	93	5629528	300.0	296.4	
78 1-Chlorohexane	91	6.509	6.506	0.003	97	2662368	300.0	282.7	
79 1,1,1,2-Tetrachloroethane	131	6.567	6.567	0.000	95	2266519	300.0	305.7	
80 Ethylbenzene	91	6.574	6.570	0.004	98	9722347	300.0	274.3	ea
81 m-Xylene & p-Xylene	106	6.661	6.657	0.004	92	7905688	600.0	570.7	a
82 o-Xylene	106	6.895	6.895	0.000	96	4154439	300.0	282.2	
83 Styrene	104	6.908	6.908	0.000	94	5997919	300.0	278.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Bromoform	173	7.011	7.008	0.003	96	1424189	300.0	346.5	
85 Isopropylbenzene	105	7.117	7.120	-0.003	97	9128930	300.0	259.5	e
$ 86 4-Bromofluorobenzene (Surr)	95	7.217	7.217	0.000	87	506861	50.0	46.1	
87 Bromobenzene	156	7.291	7.291	0.000	95	2245155	300.0	306.8	
88 1,1,2,2-Tetrachloroethane	83	7.307	7.307	0.000	94	3355980	300.0	311.4	
89 trans-1,4-Dichloro-2-butene	53	7.329	7.326	0.003	87	2692208	750.0	834.4	
90 1,2,3-Trichloropropane	110	7.333	7.332	0.001	85	1045978	300.0	292.6	
91 N-Propylbenzene	91	7.358	7.361	-0.003	97	9629886	300.0	253.8	e
92 2-Chlorotoluene	126	7.407	7.406	0.001	96	2520209	300.0	315.7	
93 1,3,5-Trimethylbenzene	105	7.464	7.464	0.000	97	8312004	300.0	291.4	e
94 4-Chlorotoluene	126	7.477	7.474	0.003	99	2262680	300.0	299.9	
95 tert-Butylbenzene	134	7.641	7.638	0.003	92	1961018	300.0	341.3	
96 1,2,4-Trimethylbenzene	105	7.670	7.670	0.000	96	8221799	300.0	286.2	eMa
97 sec-Butylbenzene	105	7.757	7.760	-0.003	96	9307094	300.0	274.1	e
98 1,3-Dichlorobenzene	146	7.821	7.818	0.003	97	4345649	300.0	303.2	
99 4-Isopropyltoluene	119	7.844	7.844	0.000	94	8316491	300.0	279.5	e
* 100 1,4-Dichlorobenzene-d4	152	7.863	7.863	0.000	94	555373	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.876	7.876	0.000	94	4337510	300.0	300.9	
102 1,2,3-Trimethylbenzene	105	7.892	7.892	0.000	94	8351234	300.0	278.8	e
103 Benzyl chloride	91	7.937	7.937	0.000	99	7098860	300.0	334.5	e
104 1,3-Diethylbenzene	119	7.998	7.995	0.003	94	5292475	300.0	309.1	
105 p-Diethylbenzene	119	8.050	8.046	0.004	93	5422061	300.0	301.8	
106 n-Butylbenzene	92	8.062	8.059	0.003	97	4244044	300.0	298.1	
107 1,2-Dichlorobenzene	146	8.066	8.066	0.000	97	4220923	300.0	287.2	
108 o-diethylbenzene	119	8.098	8.098	0.000	96	4665858	300.0	321.0	
109 1,2-Dibromo-3-Chloropropane	75	8.471	8.471	0.000	86	1338202	300.0	344.9	
110 1,3,5-Trichlorobenzene	180	8.567	8.567	0.000	97	3180089	300.0	306.0	
111 1,2,4-Trichlorobenzene	180	8.882	8.882	0.000	94	3080043	300.0	295.8	
112 Hexachlorobutadiene	225	8.956	8.956	0.000	98	1157948	300.0	331.4	
113 Naphthalene	128	9.011	9.014	-0.003	99	9600204	300.0	216.7	e
114 1,2,3-Trichlorobenzene	180	9.124	9.123	0.001	95	3071536	300.0	295.7	
115 2-Methylnaphthalene	142	9.567	9.567	0.000	95	6567156	300.0	285.7	
S 139 1,3-Dichloropropene, Total	100				0			685.7	
S 140 Xylenes, Total	106				0			852.9	
S 141 Total Diethylbenzene	1				0			931.9	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00230	Amount Added:	15.00	Units: uL	
MSV_CCV_GASES_01005	Amount Added:	7.50	Units: uL	
MSV_CCV_VOC#3_00231	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00222	Amount Added:	15.00	Units: uL	
MSV_Cent_ISSS_00032	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 08-Apr-2025 09:23:58 Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Injection Date: 07-Apr-2025 17:19:49 Instrument ID: 15830 Operator ID: knk41612

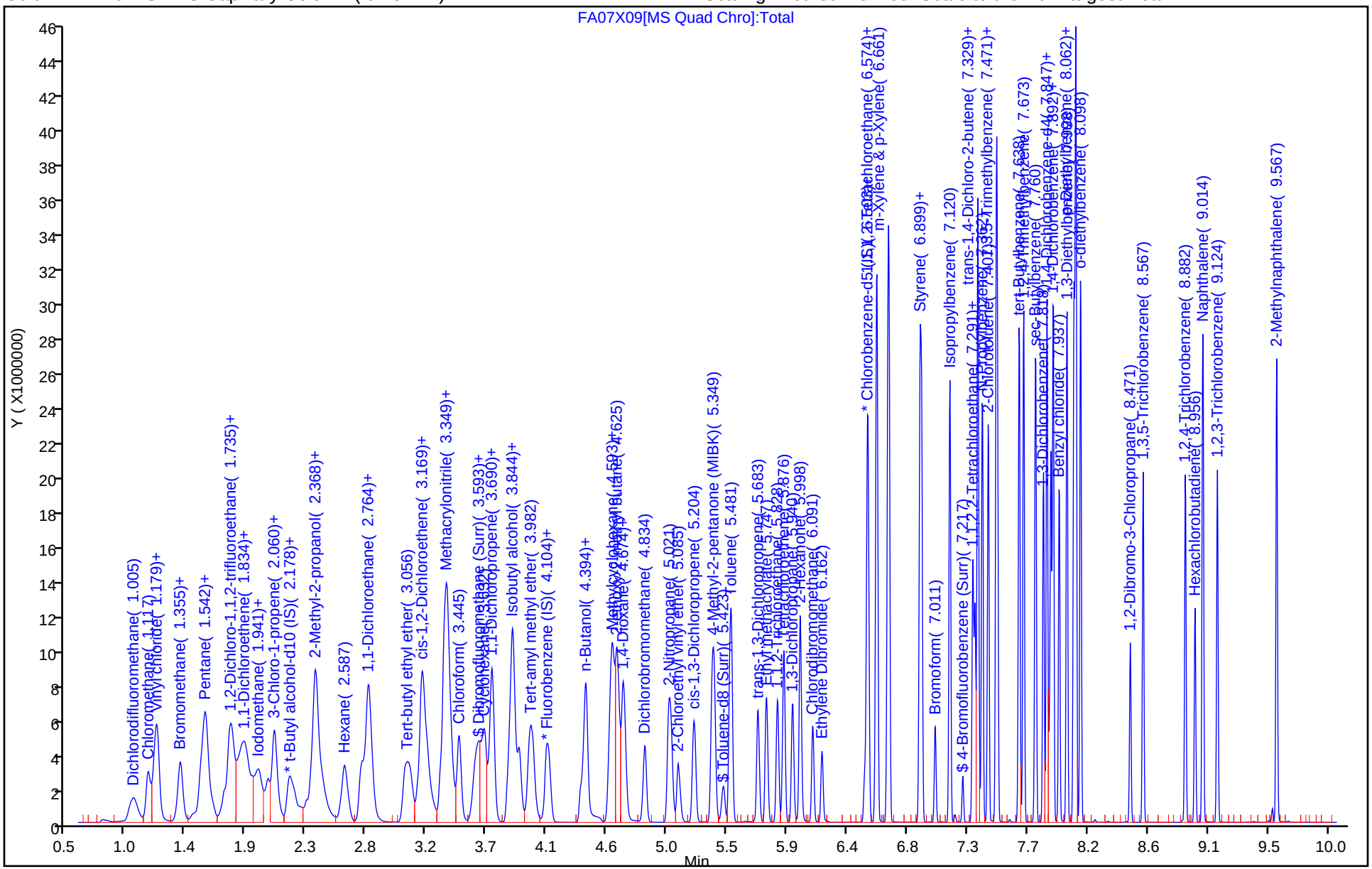
Lims ID: IC v300 Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 59

Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

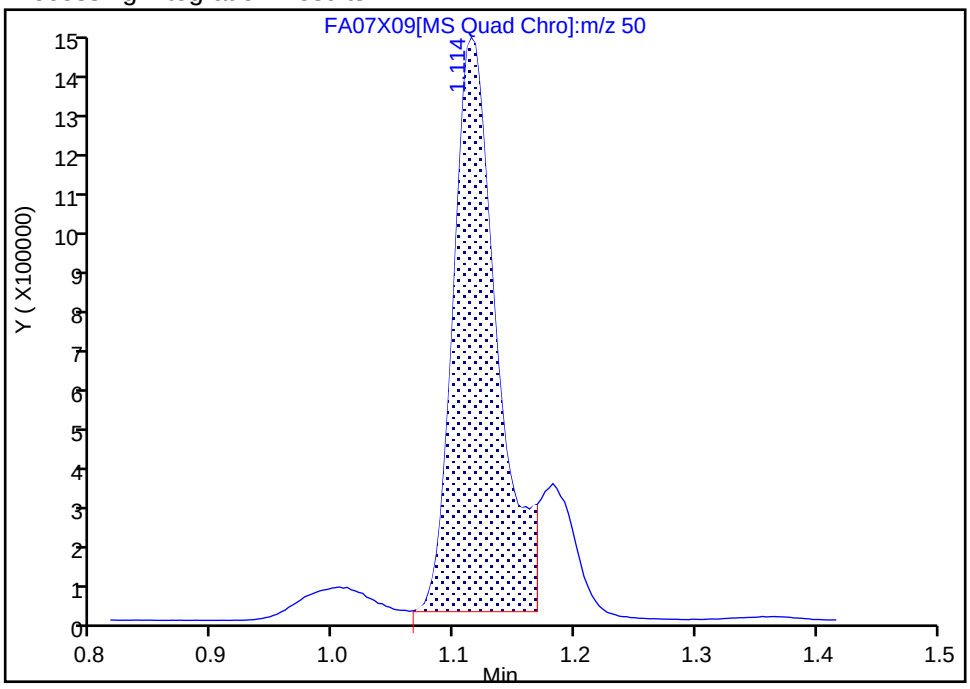
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D				
Injection Date:	07-Apr-2025 17:19:49	Instrument ID:	15830		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	59	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

2 Chloromethane, CAS: 74-87-3

Signal: 1

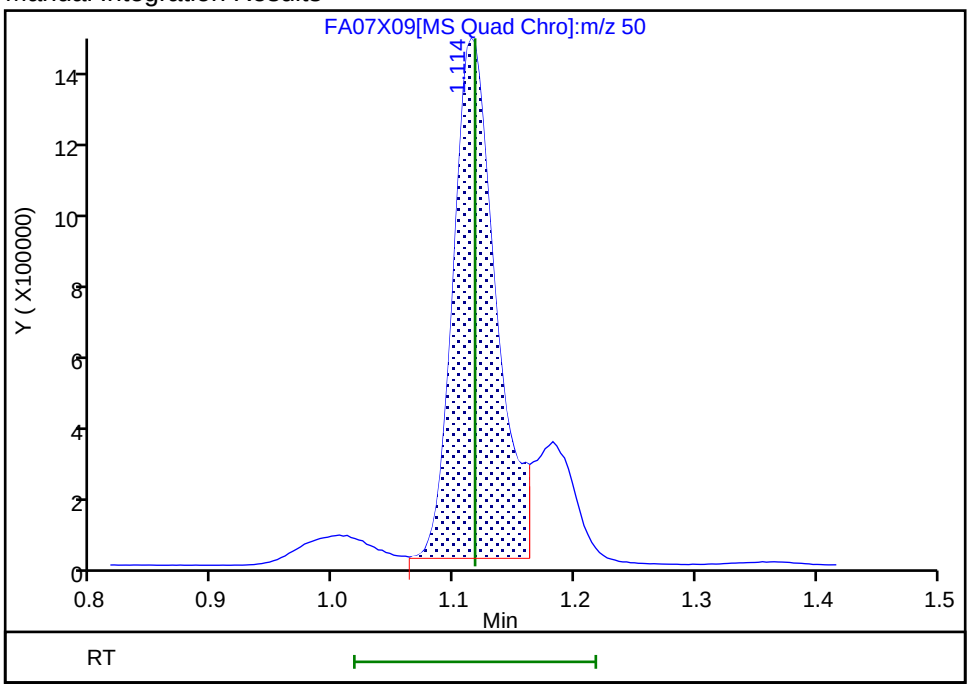
Processing Integration Results

RT: 1.11
Area: 3680282
Amount: 248.9946
Amount Units: ug/l



Manual Integration Results

RT: 1.11
Area: 3587450
Amount: 256.1841
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:47:52 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

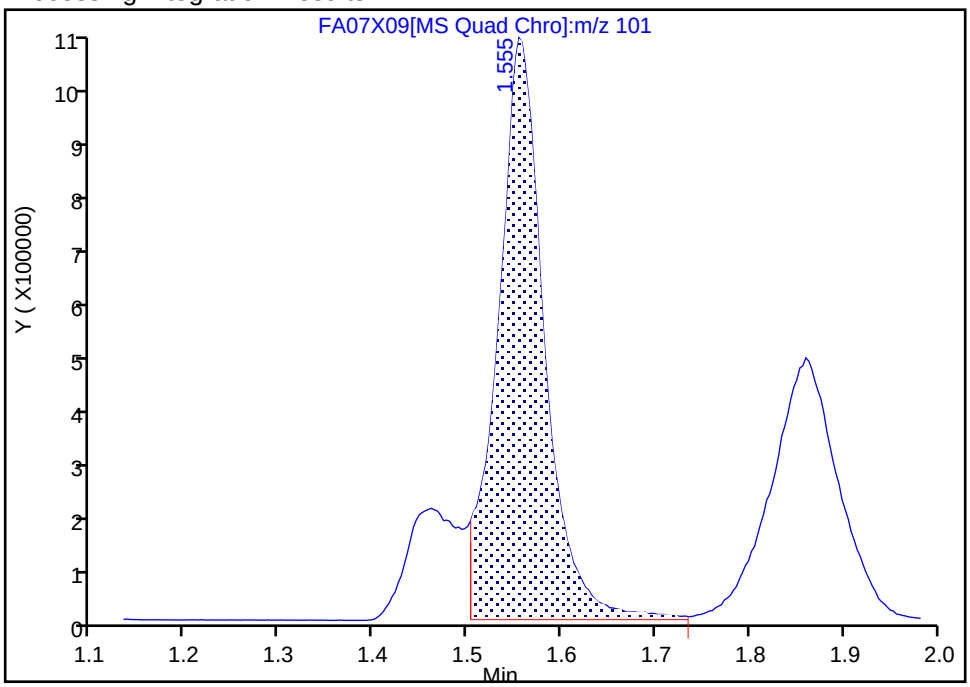
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D
Injection Date: 07-Apr-2025 17:19:49 Instrument ID: 15830
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 59 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

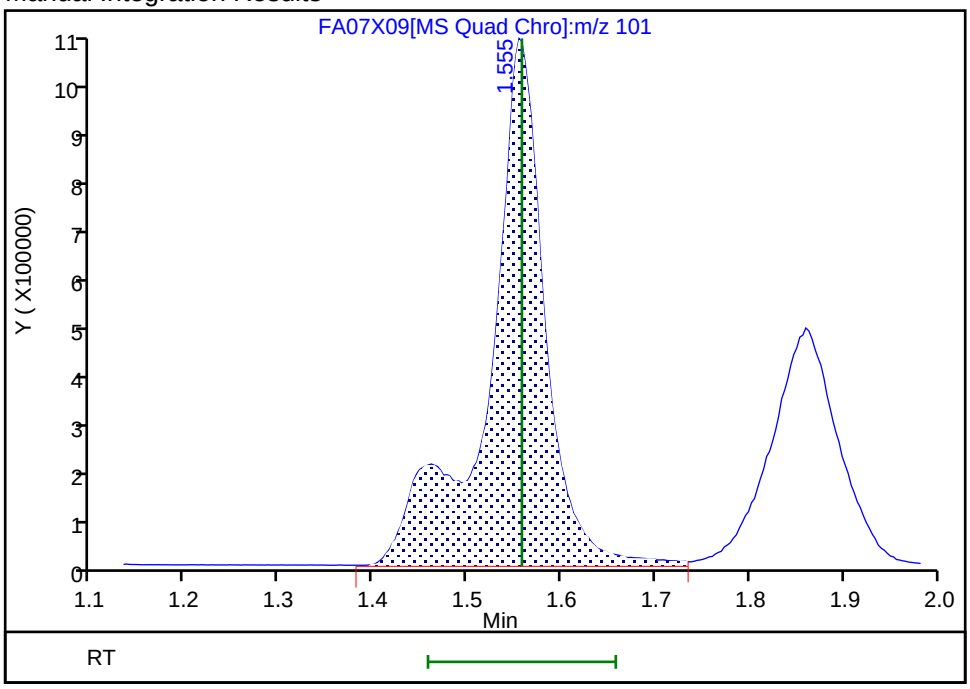
Processing Integration Results

RT: 1.55
Area: 3470012
Amount: 215.4642
Amount Units: ug/l



Manual Integration Results

RT: 1.55
Area: 4234411
Amount: 268.9020
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:48:08 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

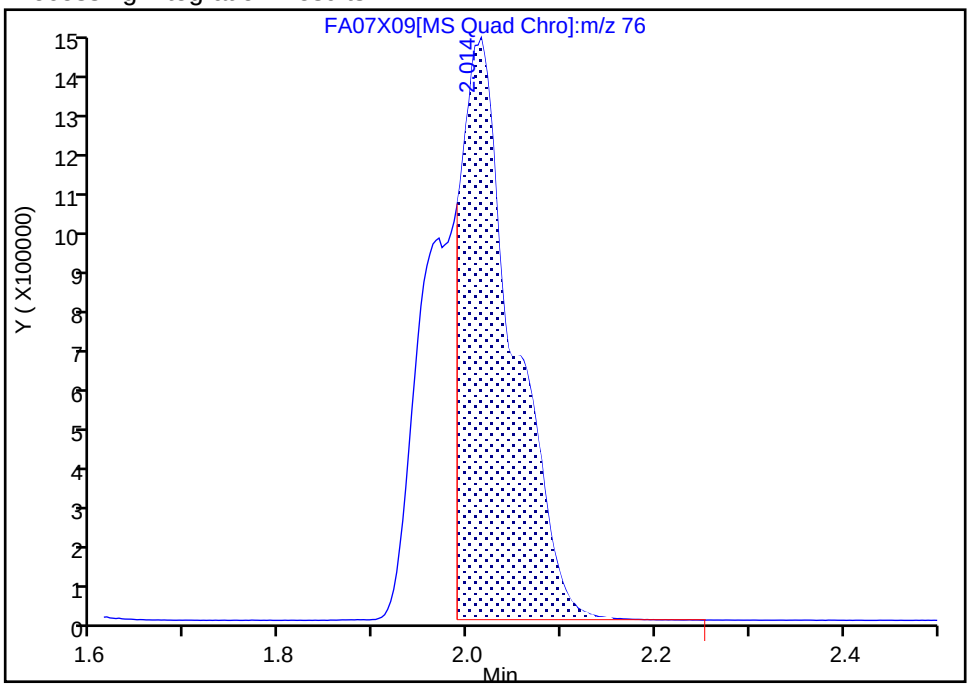
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D				
Injection Date:	07-Apr-2025 17:19:49	Instrument ID:	15830		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	59	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

17 Carbon disulfide, CAS: 75-15-0

Signal: 1

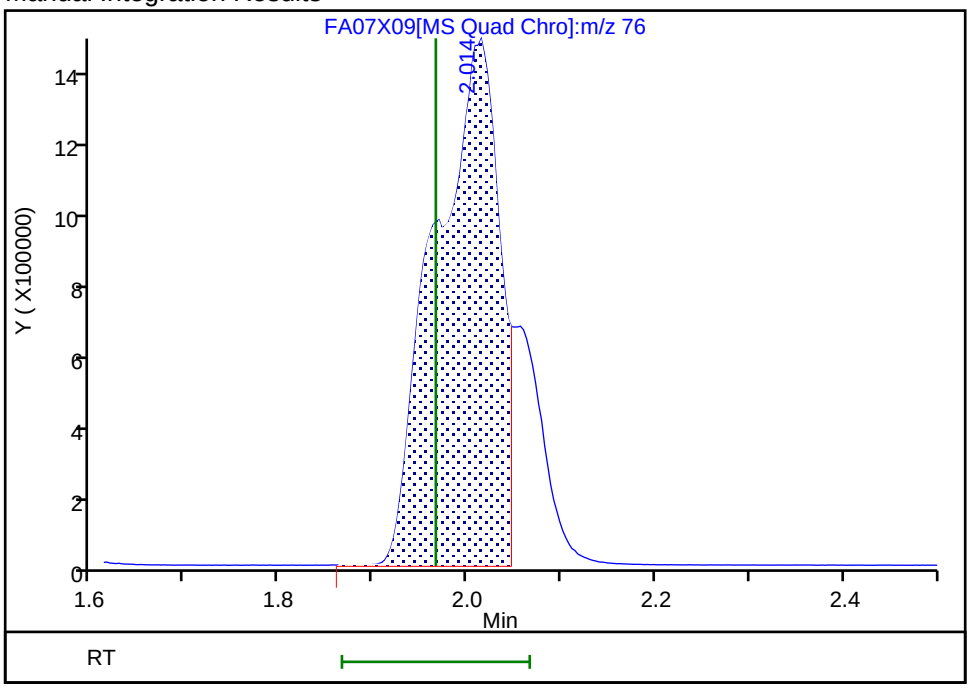
Processing Integration Results

RT: 2.01
Area: 5655845
Amount: 230.2517
Amount Units: ug/l



Manual Integration Results

RT: 2.01
Area: 6980106
Amount: 271.1944
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:49:19 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

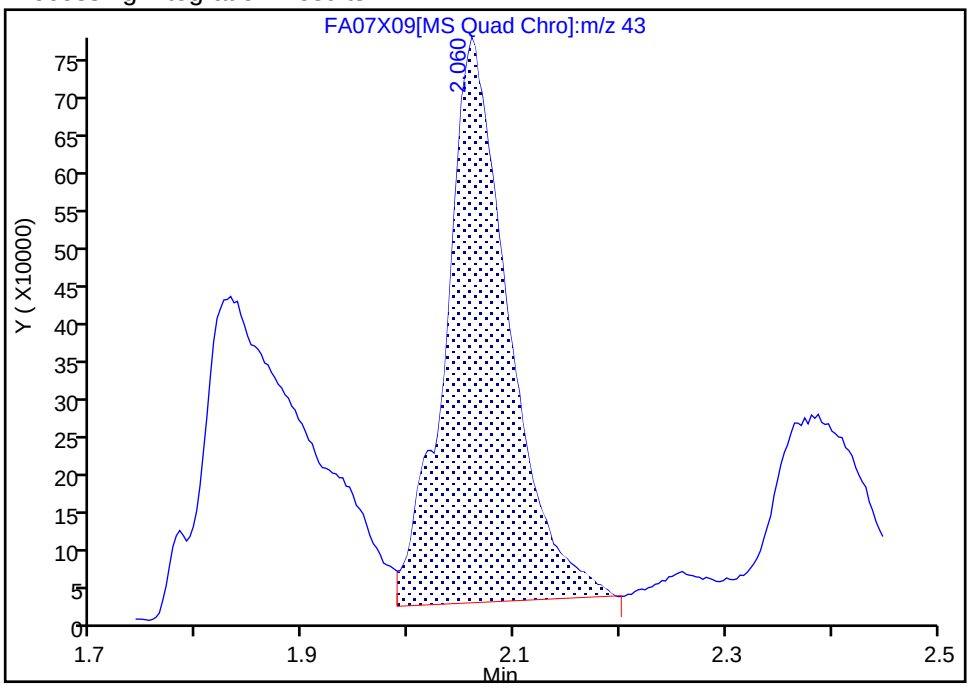
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D				
Injection Date:	07-Apr-2025 17:19:49	Instrument ID:	15830		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	59	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Methyl acetate, CAS: 79-20-9

Signal: 1

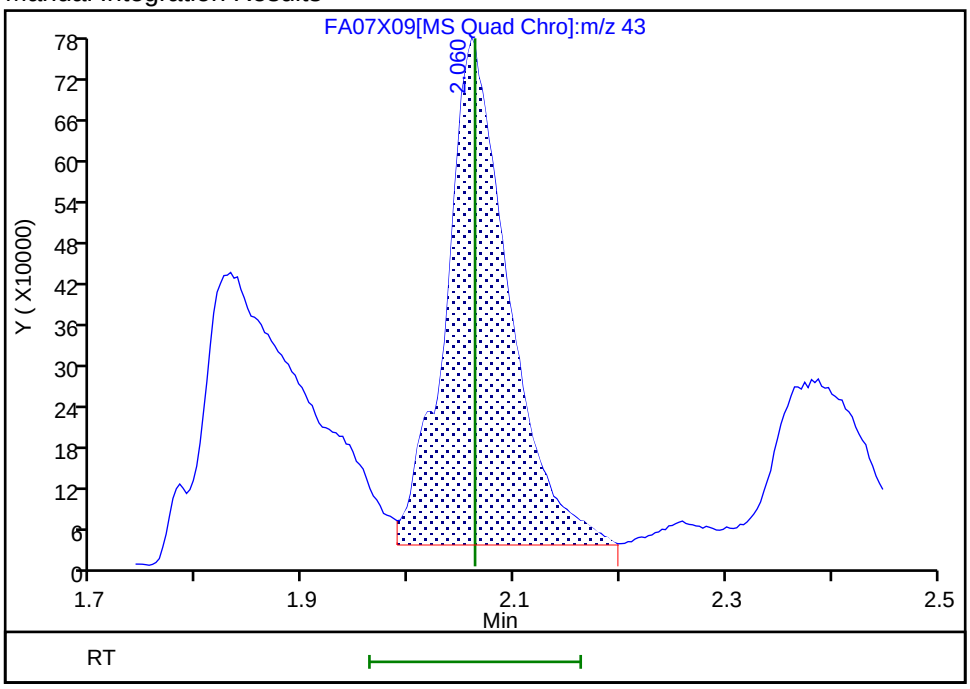
Processing Integration Results

RT: 2.06
Area: 3140601
Amount: 272.5838
Amount Units: ug/l



Manual Integration Results

RT: 2.06
Area: 3056919
Amount: 262.2260
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:50:03 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

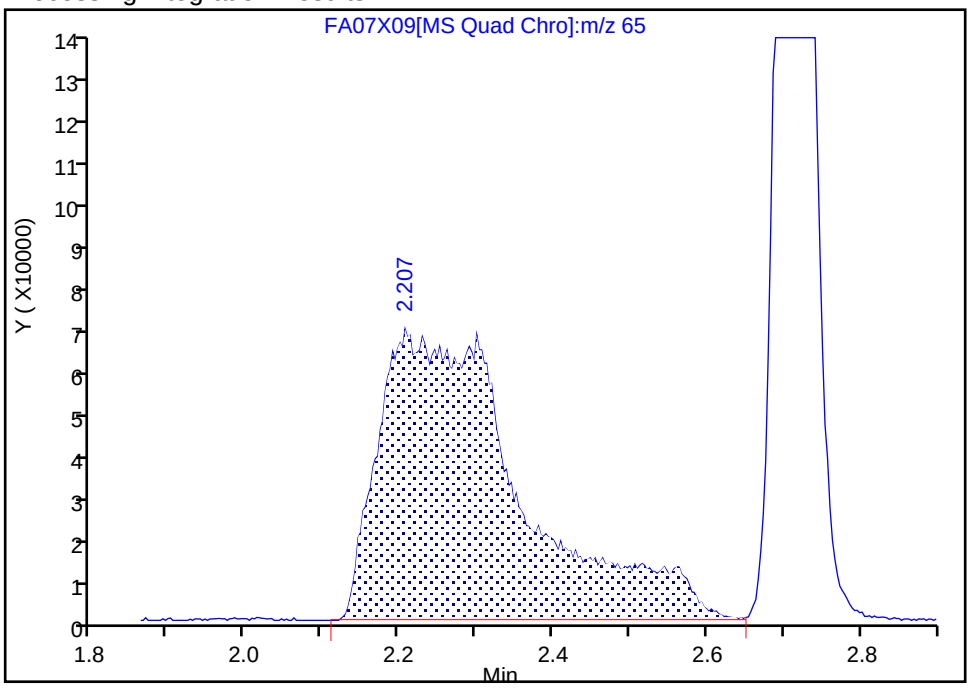
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D
Injection Date: 07-Apr-2025 17:19:49 Instrument ID: 15830
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 59 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

* 21 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

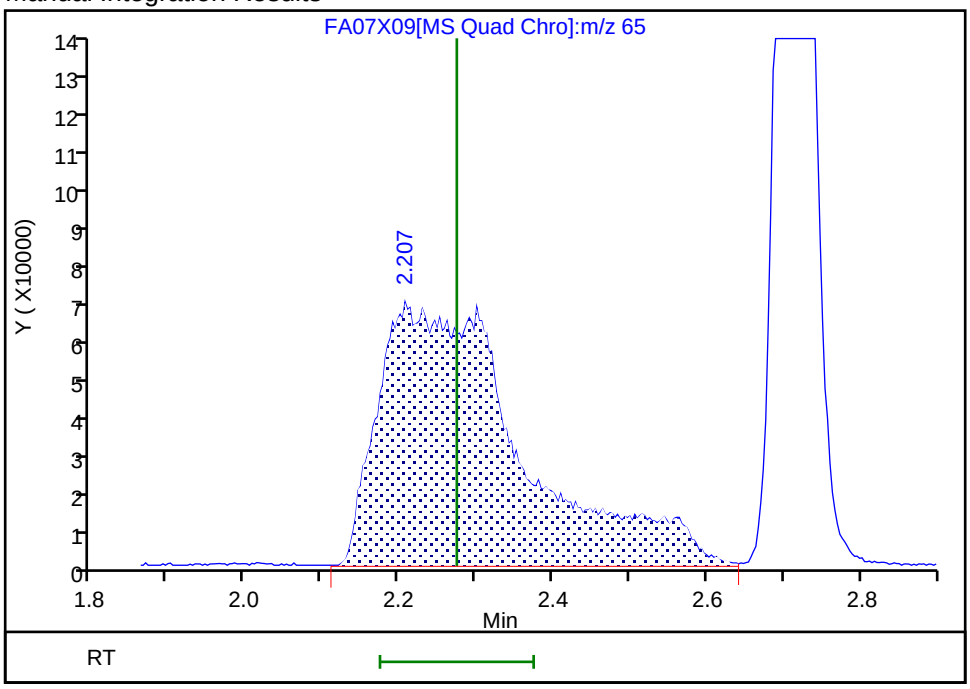
Processing Integration Results

RT: 2.21
Area: 865333
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 2.21
Area: 864999
Amount: 250.0000
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:54:23 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

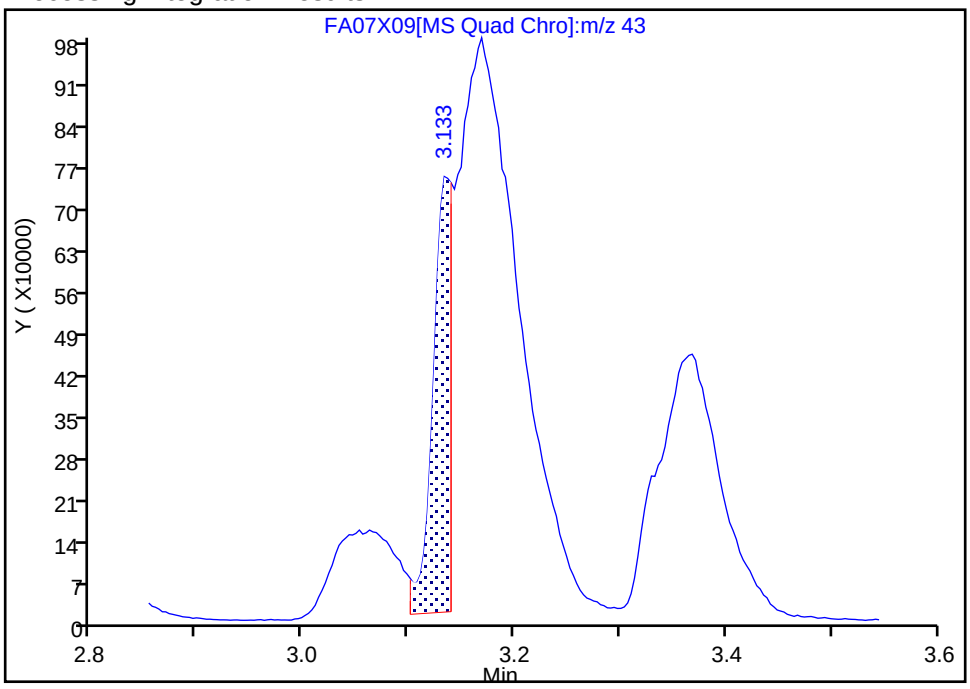
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D				
Injection Date:	07-Apr-2025 17:19:49	Instrument ID:	15830		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	59	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

31 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

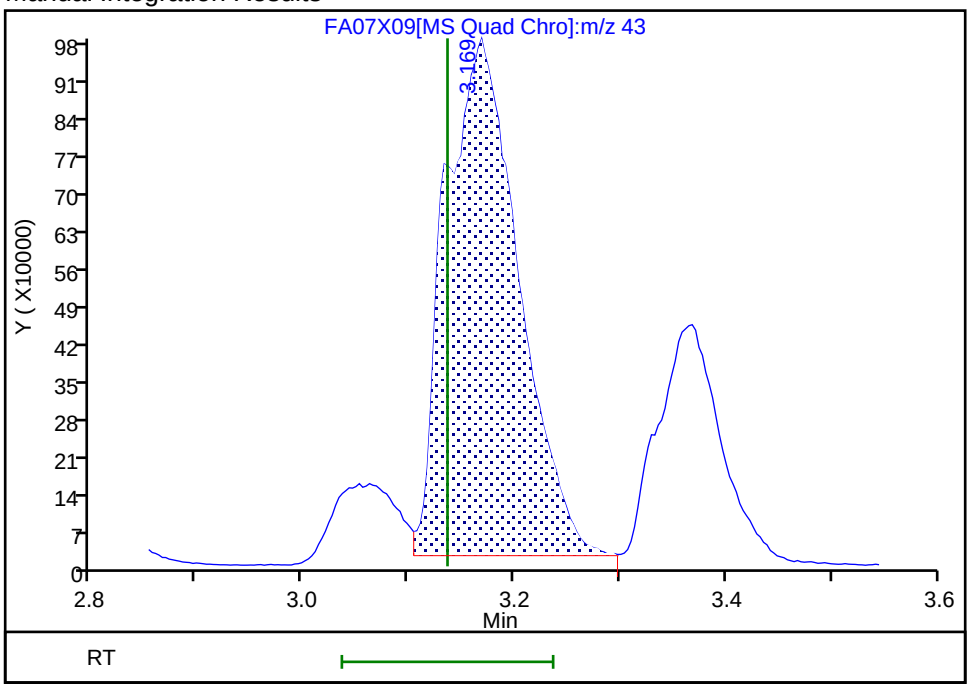
Processing Integration Results

RT: 3.13
Area: 901109
Amount: 125.9995
Amount Units: ug/l



Manual Integration Results

RT: 3.17
Area: 4663275
Amount: 588.6261
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:50:30 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

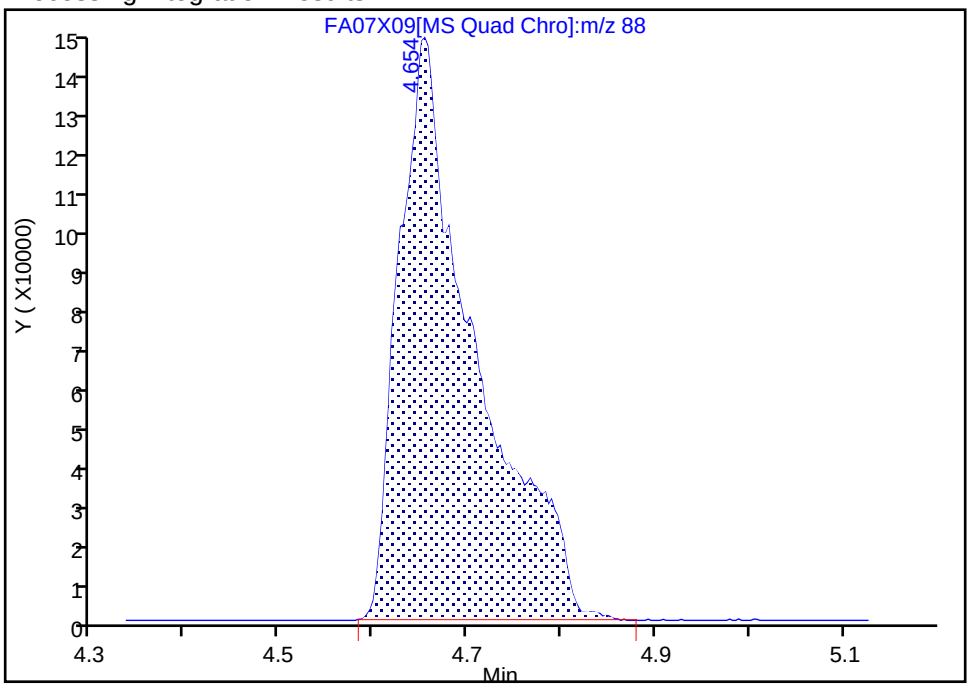
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D				
Injection Date:	07-Apr-2025 17:19:49	Instrument ID:	15830		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	59	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

57 1,4-Dioxane, CAS: 123-91-1

Signal: 1

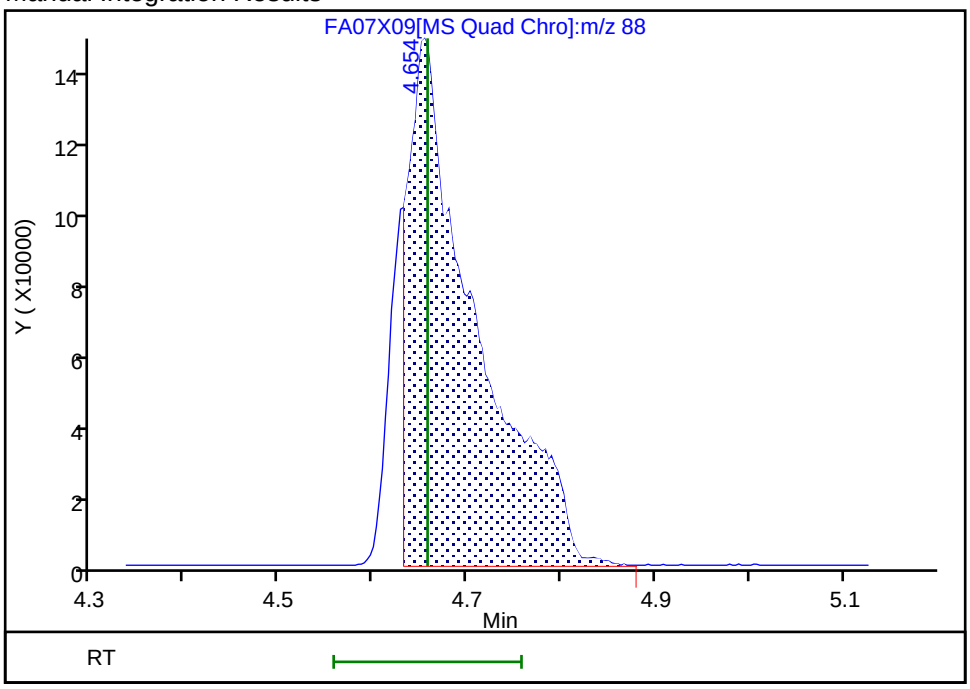
Processing Integration Results

RT: 4.65
Area: 799368
Amount: 4407.7210
Amount Units: ug/l



Manual Integration Results

RT: 4.65
Area: 705645
Amount: 3974.2187
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:51:02 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

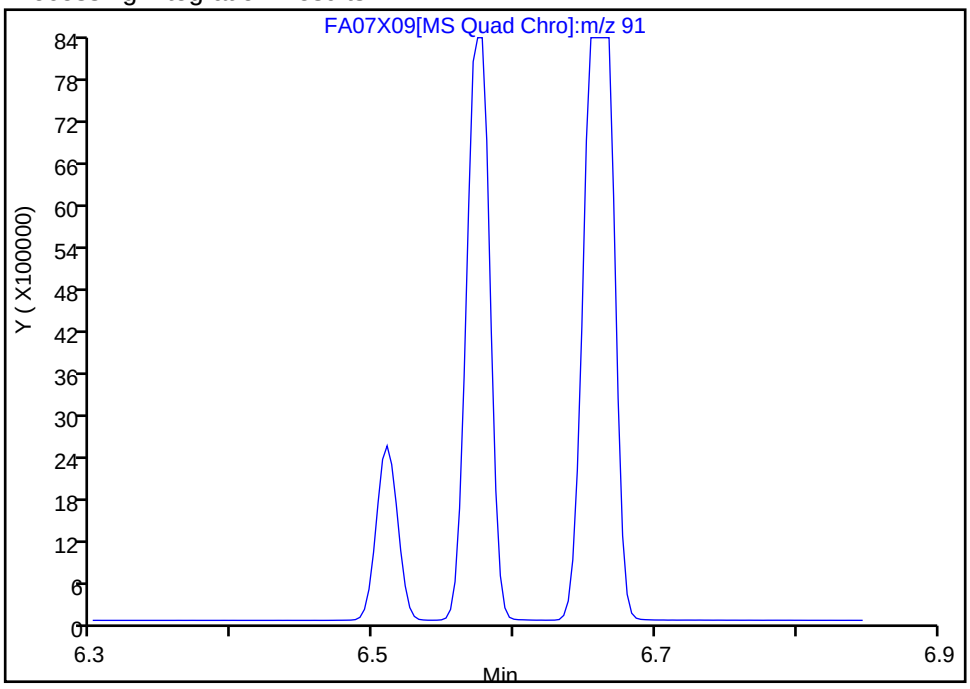
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D				
Injection Date:	07-Apr-2025 17:19:49	Instrument ID:	15830		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	59	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

80 Ethylbenzene, CAS: 100-41-4

Signal: 1

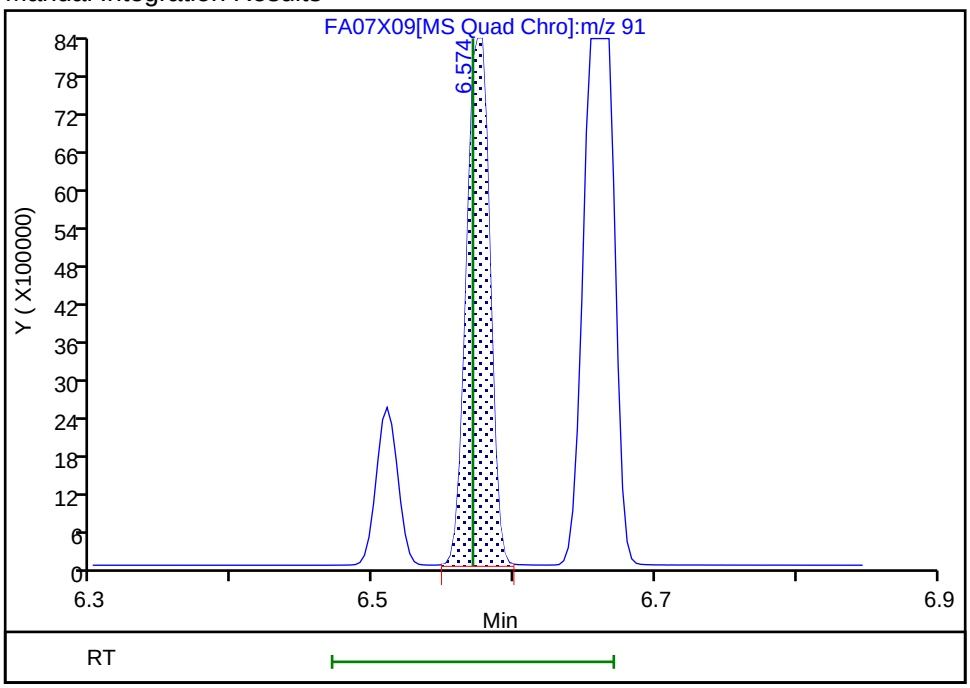
Not Detected
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57
Area: 9722347
Amount: 274.2583
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:51:16 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

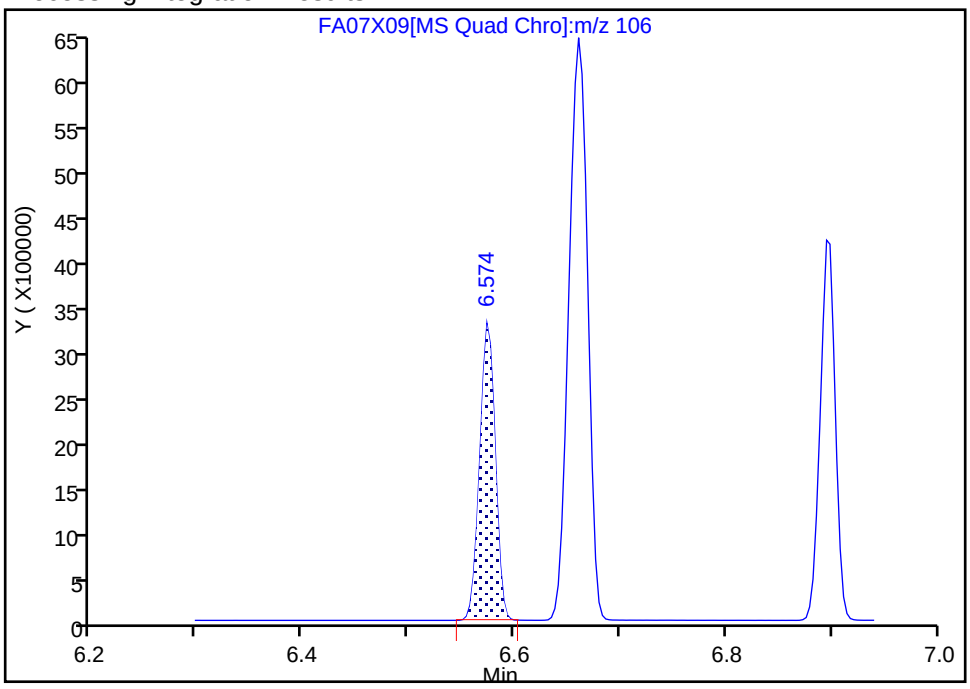
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D				
Injection Date:	07-Apr-2025 17:19:49	Instrument ID:	15830		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	59	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

81 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

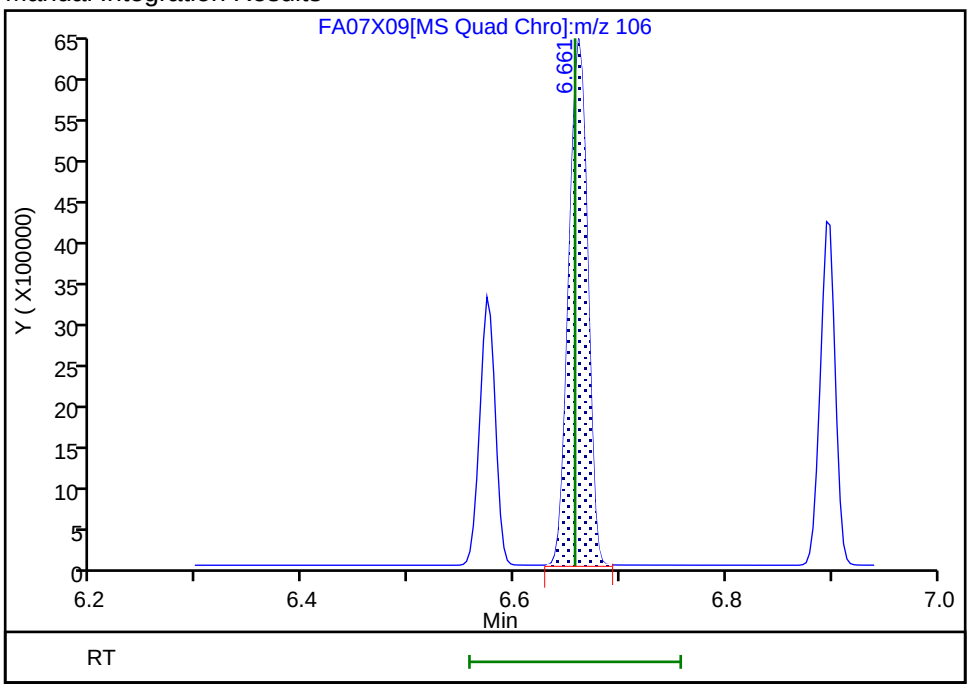
Processing Integration Results

RT: 6.57
Area: 3325308
Amount: 269.0508
Amount Units: ug/l



Manual Integration Results

RT: 6.66
Area: 7905688
Amount: 570.6834
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:51:44 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

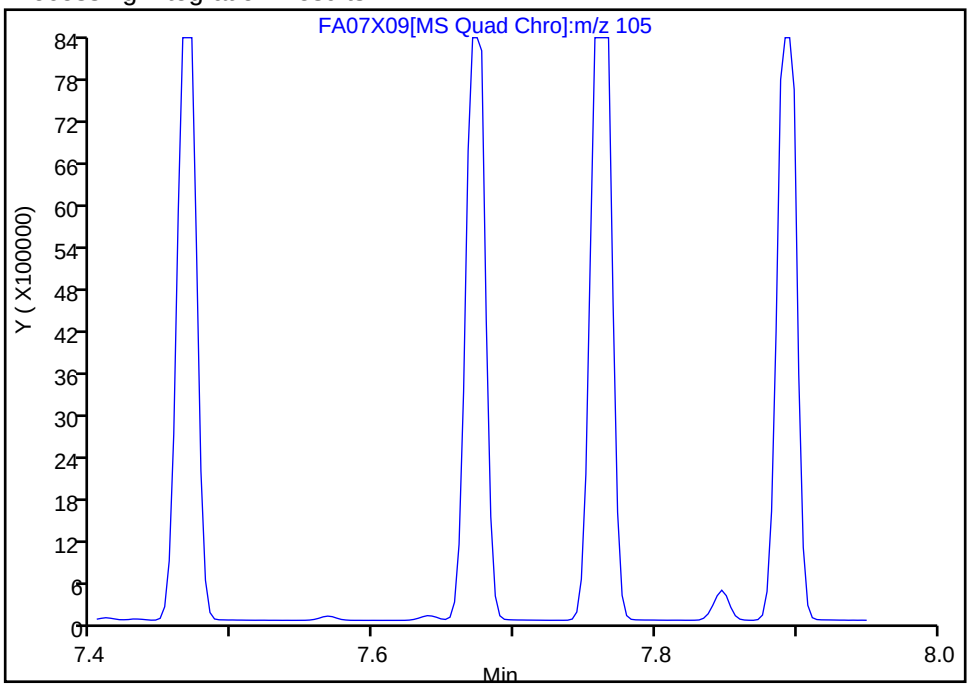
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D				
Injection Date:	07-Apr-2025 17:19:49	Instrument ID:	15830		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	59	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

96 1,2,4-Trimethylbenzene, CAS: 95-63-6

Signal: 1

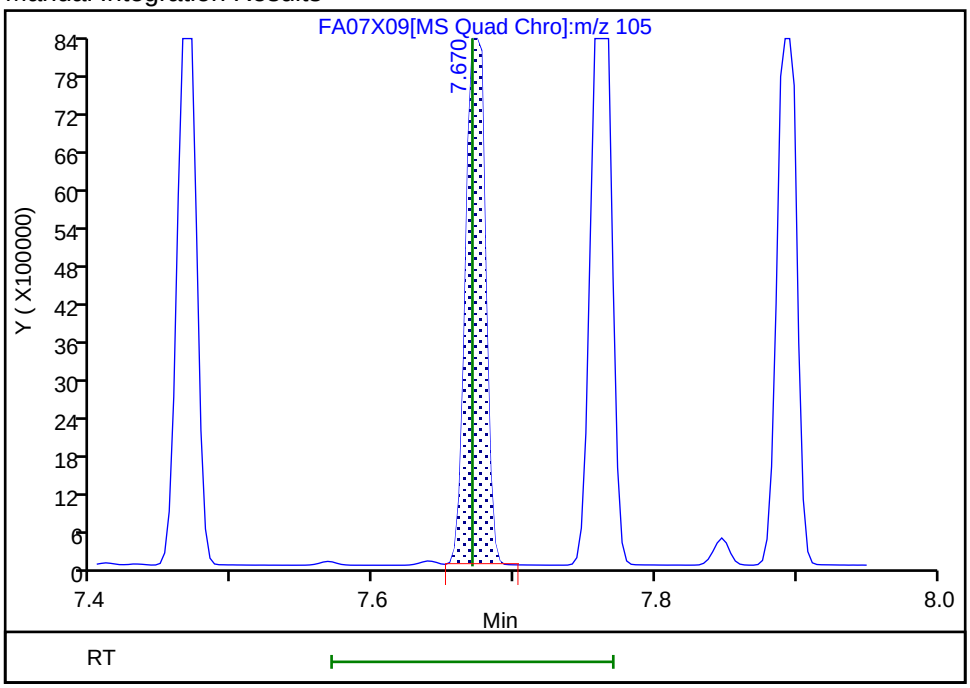
Not Detected
Expected RT: 7.67

Processing Integration Results



Manual Integration Results

RT: 7.67
Area: 8221799
Amount: 286.1898
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 17:52:50 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

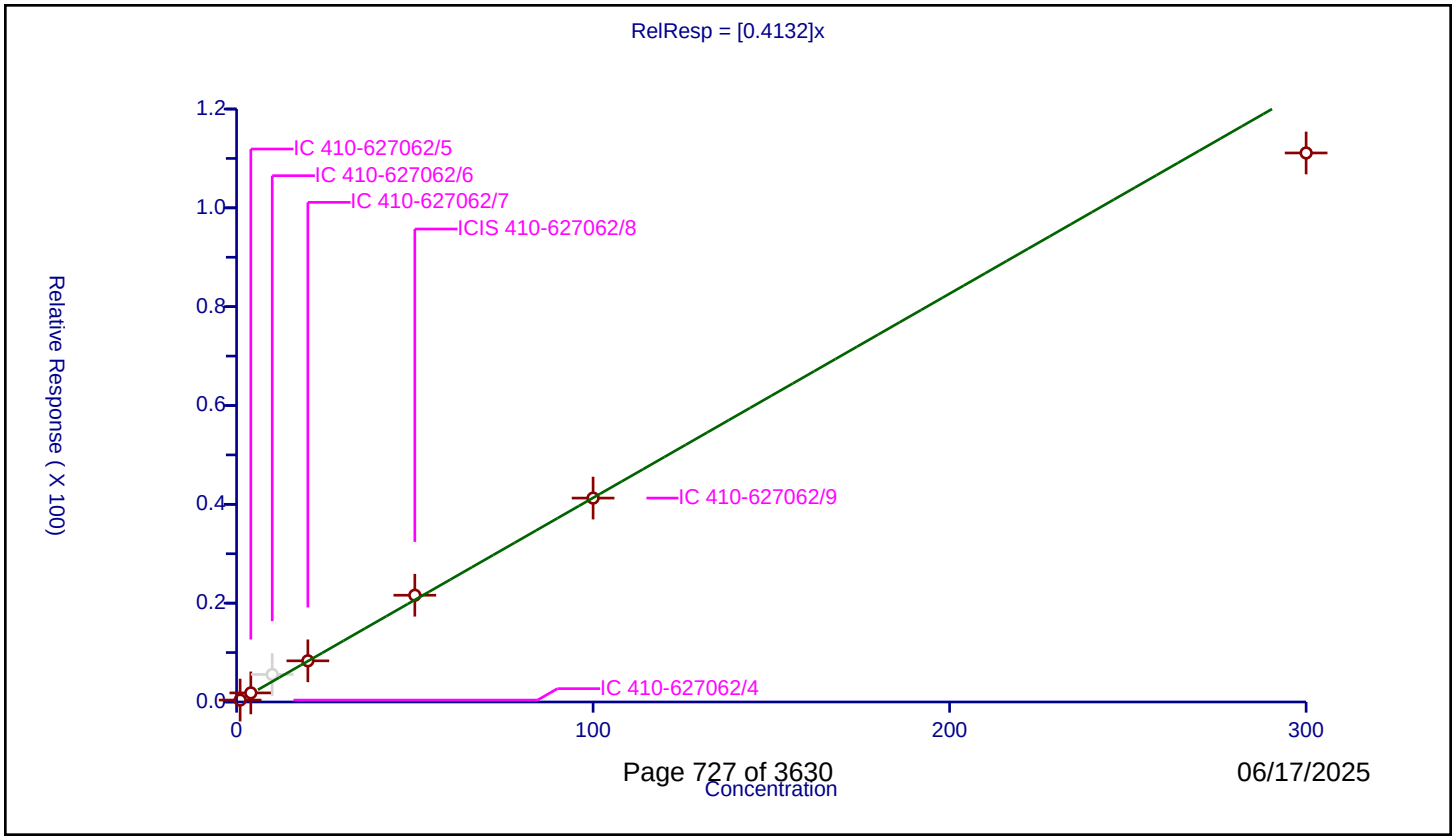
Curve Coefficients

Intercept:	0
Slope:	0.4132

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.387715	50.0	1194434.0	0.387715	Y
2	IC 410-627062/5	4.0	1.838342	50.0	1160856.0	0.459585	Y
3	IC 410-627062/6	10.0	5.571176	50.0	1192854.0	0.557118	N
4	IC 410-627062/7	20.0	8.331701	50.0	1250579.0	0.416585	Y
5	ICIS 410-627062/8	50.0	21.605295	50.0	1288050.0	0.432106	Y
6	IC 410-627062/9	100.0	41.264131	50.0	1374454.0	0.412641	Y
7	IC 410-627062/10	300.0	111.105841	50.0	1504366.0	0.370353	Y



06/17/2025

Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

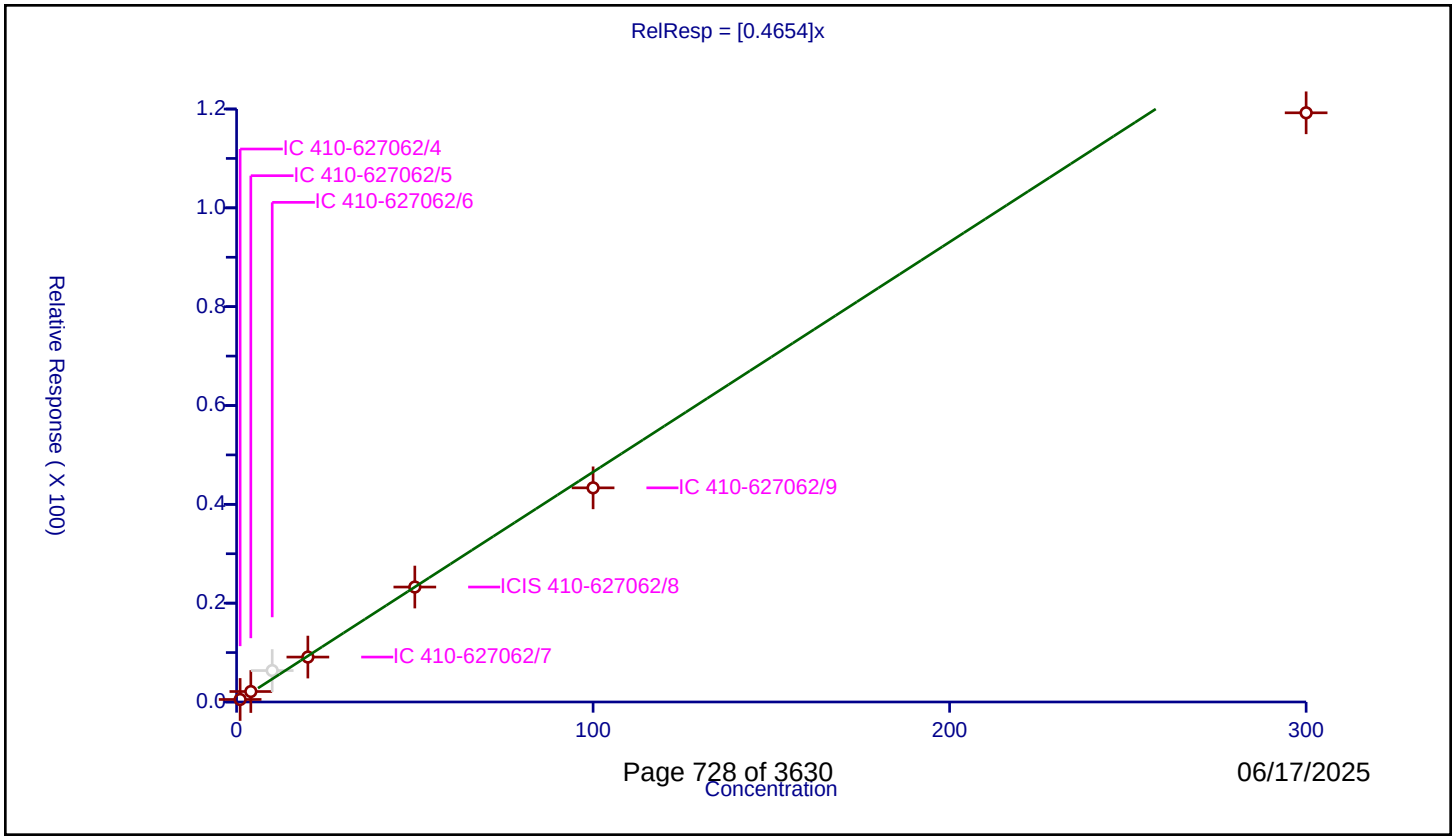
Curve Coefficients

Intercept:	0
Slope:	0.4654

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.512084	50.0	1194434.0	0.512084	Y
2	IC 410-627062/5	4.0	2.119514	50.0	1160856.0	0.529878	Y
3	IC 410-627062/6	10.0	6.359538	50.0	1192854.0	0.635954	N
4	IC 410-627062/7	20.0	9.090469	50.0	1250579.0	0.454523	Y
5	ICIS 410-627062/8	50.0	23.263771	50.0	1288050.0	0.465275	Y
6	IC 410-627062/9	100.0	43.334299	50.0	1374454.0	0.433343	Y
7	IC 410-627062/10	300.0	119.234614	50.0	1504366.0	0.397449	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

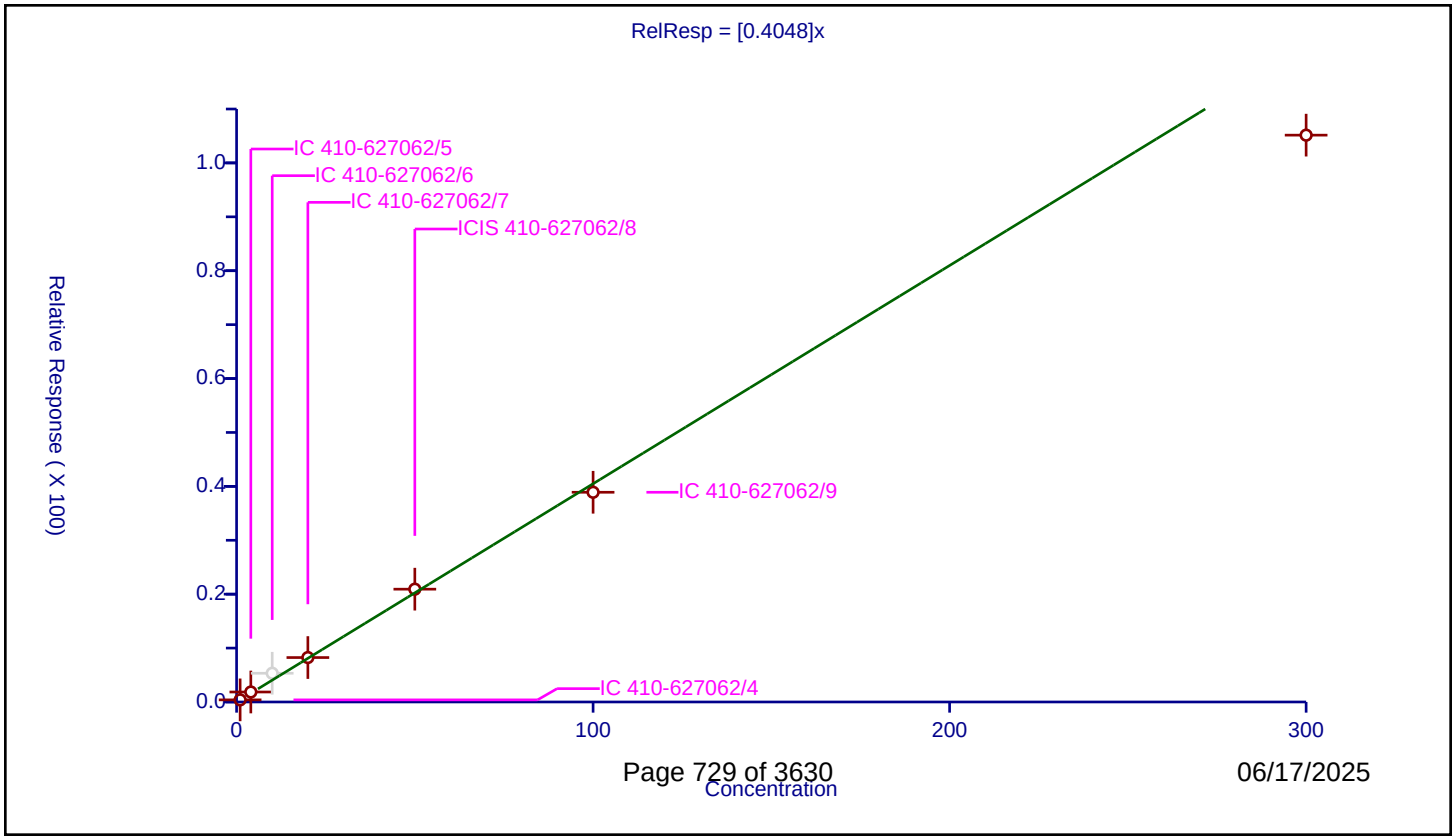
Curve Coefficients

Intercept:	0
Slope:	0.4048

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.395376	50.0	1194434.0	0.395376	Y
2	IC 410-627062/5	4.0	1.853632	50.0	1160856.0	0.463408	Y
3	IC 410-627062/6	10.0	5.329152	50.0	1192854.0	0.532915	N
4	IC 410-627062/7	20.0	8.243662	50.0	1250579.0	0.412183	Y
5	ICIS 410-627062/8	50.0	20.929467	50.0	1288050.0	0.418589	Y
6	IC 410-627062/9	100.0	38.902357	50.0	1374454.0	0.389024	Y
7	IC 410-627062/10	300.0	105.150974	50.0	1504366.0	0.350503	Y



06/17/2025

Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

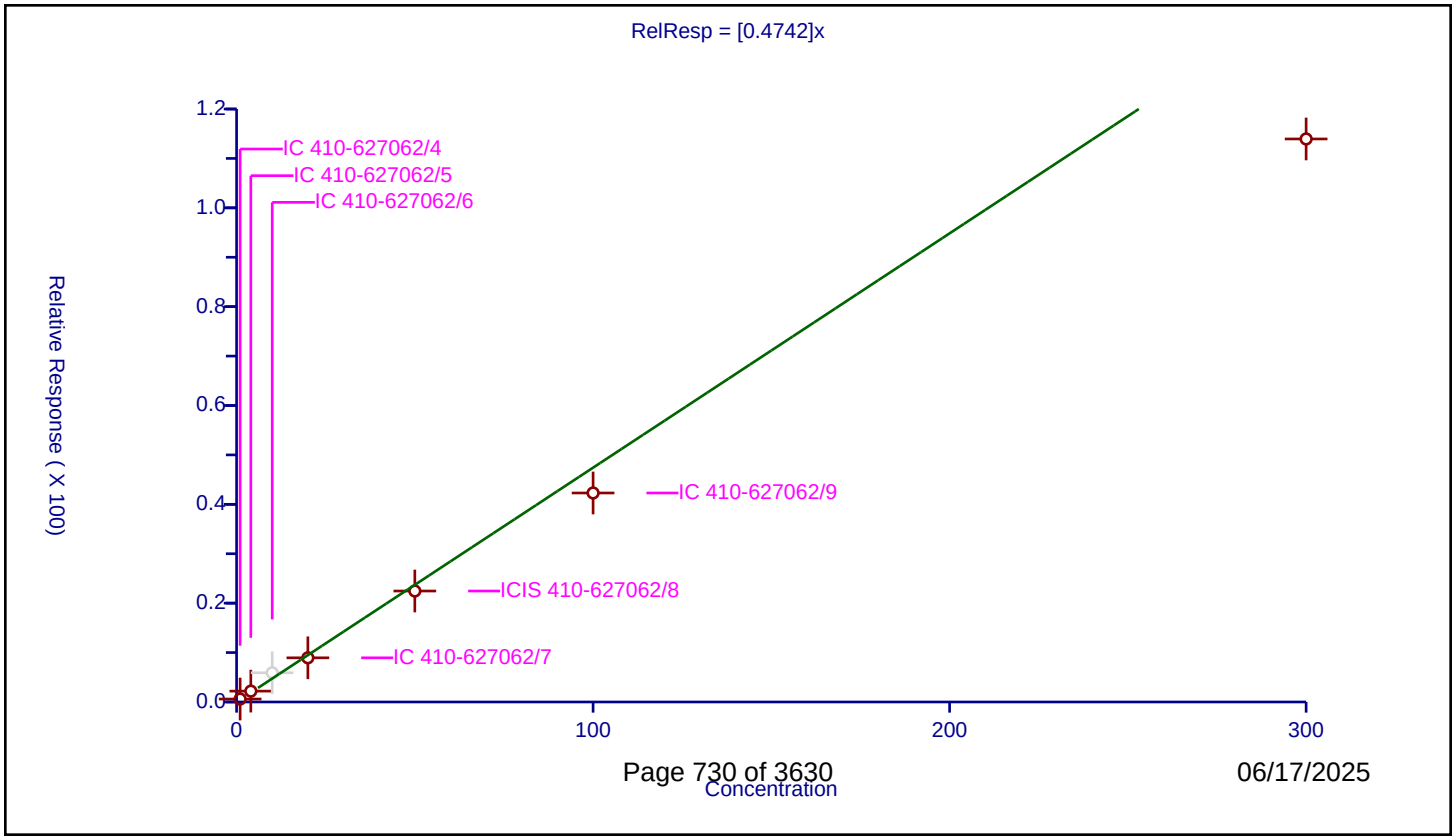
Curve Coefficients

Intercept:	0
Slope:	0.4742

Error Coefficients

Relative Standard Deviation:	17.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.596935	50.0	1194434.0	0.596935	Y
2	IC 410-627062/5	4.0	2.196827	50.0	1160856.0	0.549207	Y
3	IC 410-627062/6	10.0	5.910028	50.0	1192854.0	0.591003	N
4	IC 410-627062/7	20.0	8.941098	50.0	1250579.0	0.447055	Y
5	ICIS 410-627062/8	50.0	22.458134	50.0	1288050.0	0.449163	Y
6	IC 410-627062/9	100.0	42.295522	50.0	1374454.0	0.422955	Y
7	IC 410-627062/10	300.0	113.939327	50.0	1504366.0	0.379798	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

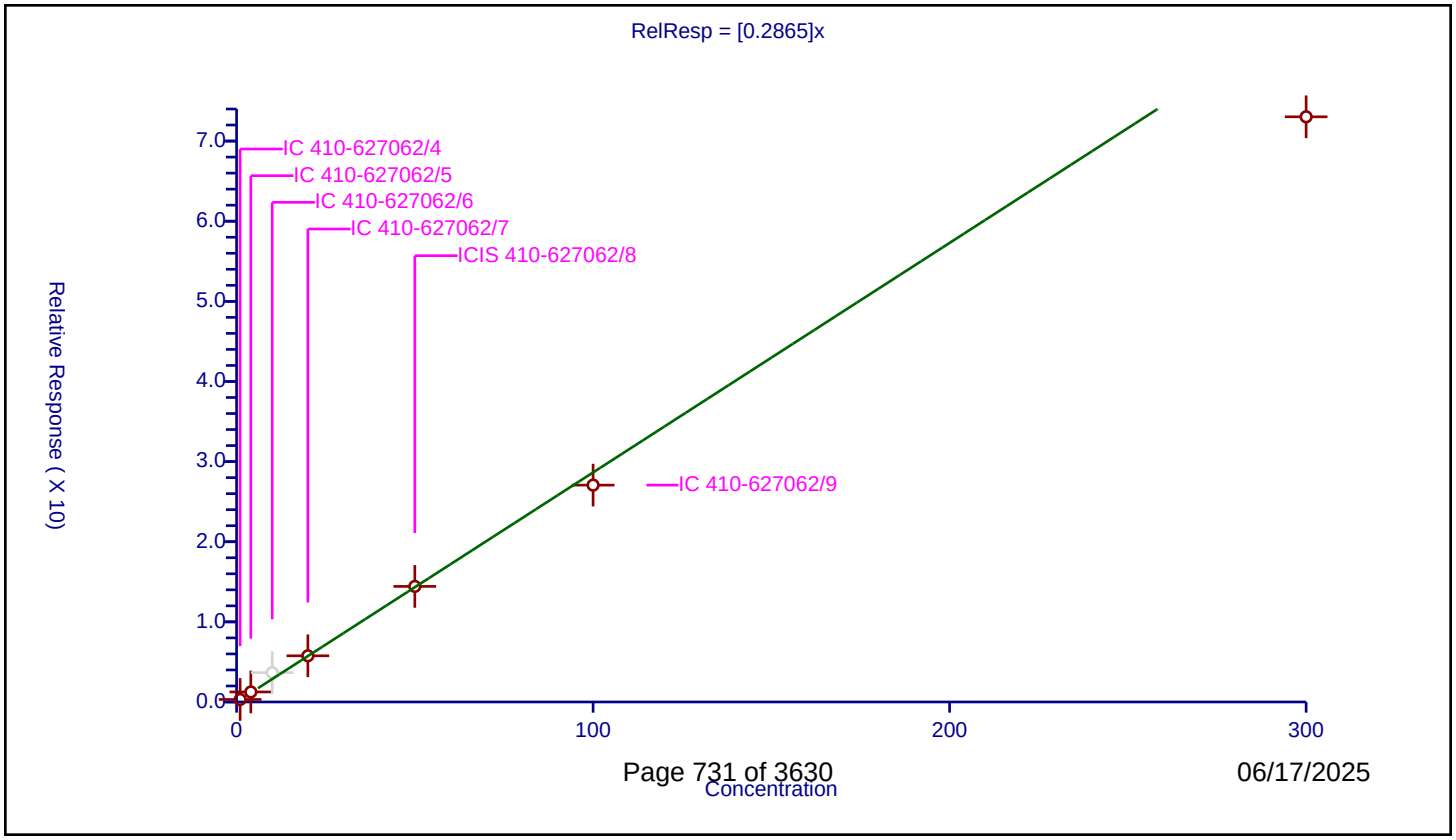
Curve Coefficients

Intercept:	0
Slope:	0.2865

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.314542	50.0	1194434.0	0.314542	Y
2	IC 410-627062/5	4.0	1.253859	50.0	1160856.0	0.313465	Y
3	IC 410-627062/6	10.0	3.664866	50.0	1192854.0	0.366487	N
4	IC 410-627062/7	20.0	5.762851	50.0	1250579.0	0.288143	Y
5	ICIS 410-627062/8	50.0	14.425488	50.0	1288050.0	0.28851	Y
6	IC 410-627062/9	100.0	27.064565	50.0	1374454.0	0.270646	Y
7	IC 410-627062/10	300.0	73.027009	50.0	1504366.0	0.243423	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

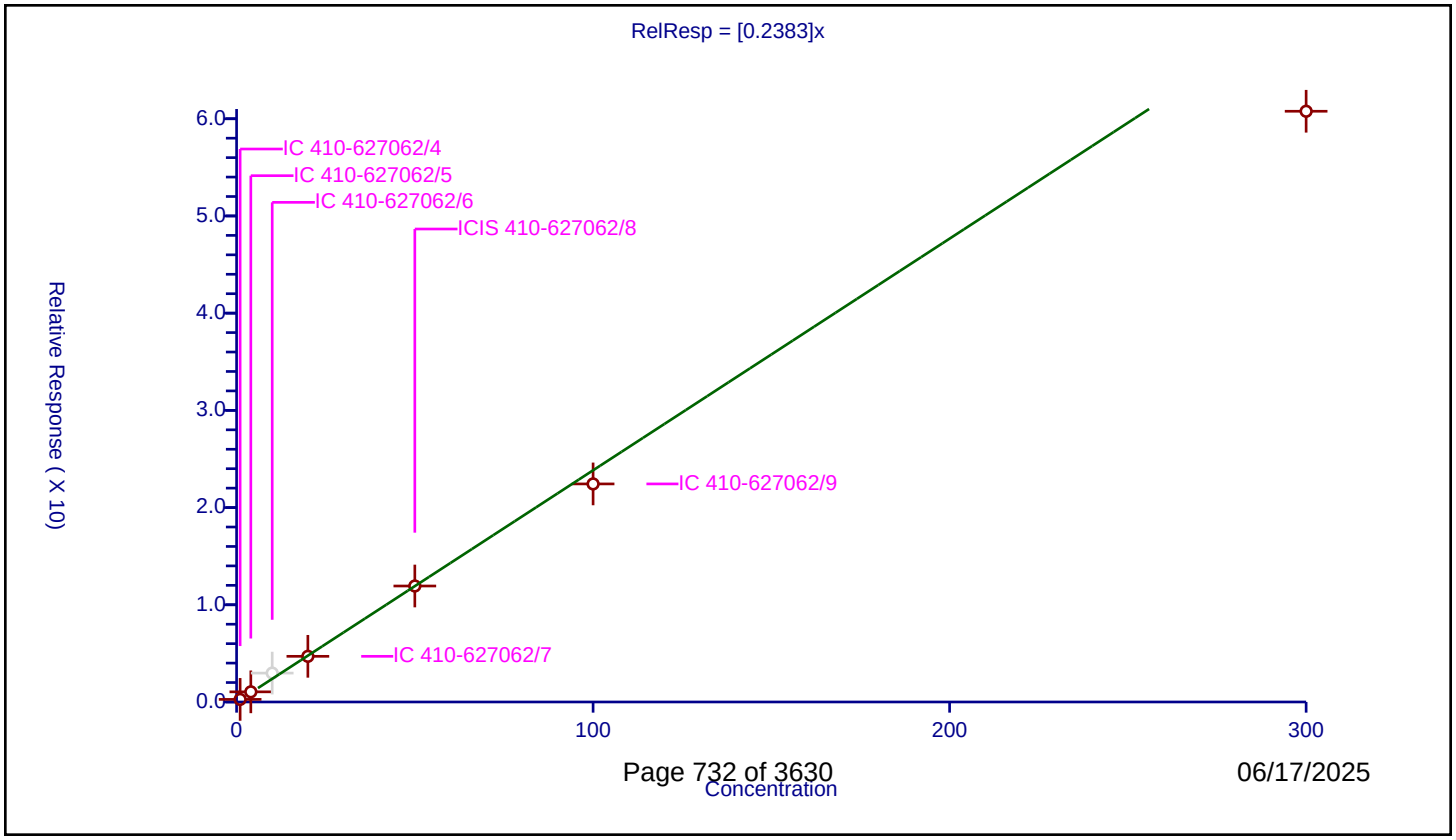
Curve Coefficients

Intercept:	0
Slope:	0.2383

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.268412	50.0	1194434.0	0.268412	Y
2	IC 410-627062/5	4.0	1.044488	50.0	1160856.0	0.261122	Y
3	IC 410-627062/6	10.0	2.973205	50.0	1192854.0	0.297321	N
4	IC 410-627062/7	20.0	4.697984	50.0	1250579.0	0.234899	Y
5	ICIS 410-627062/8	50.0	11.931913	50.0	1288050.0	0.238638	Y
6	IC 410-627062/9	100.0	22.431889	50.0	1374454.0	0.224319	Y
7	IC 410-627062/10	300.0	60.76972	50.0	1504366.0	0.202566	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

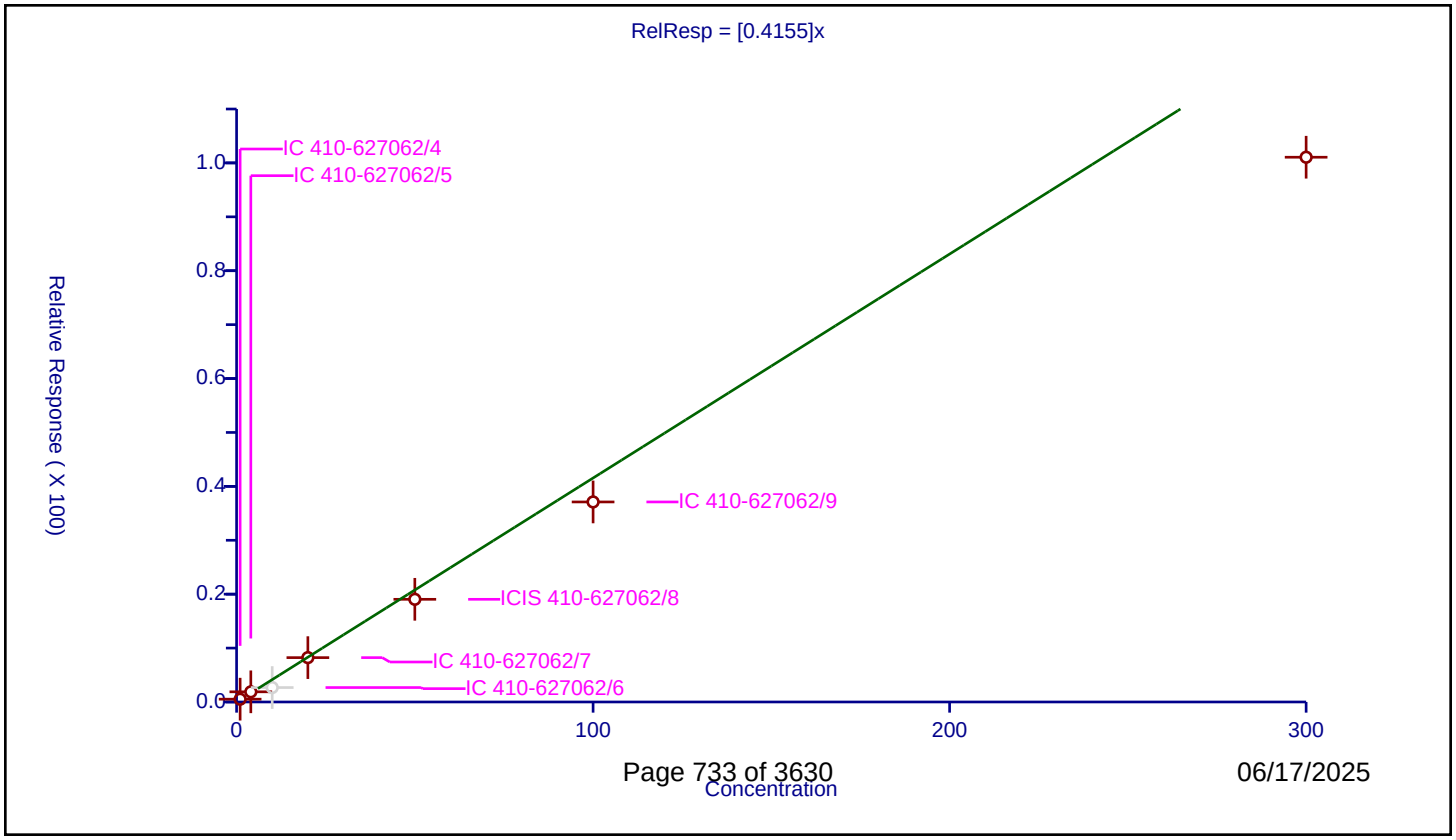
Curve Coefficients

Intercept:	0
Slope:	0.4155

Error Coefficients

Relative Standard Deviation:	16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.520958	50.0	1194434.0	0.520958	Y
2	IC 410-627062/5	4.0	1.886754	50.0	1160856.0	0.471689	Y
3	IC 410-627062/6	10.0	2.679875	50.0	1192854.0	0.267988	N
4	IC 410-627062/7	20.0	8.226989	50.0	1250579.0	0.411349	Y
5	ICIS 410-627062/8	50.0	19.046893	50.0	1288050.0	0.380938	Y
6	IC 410-627062/9	100.0	37.110591	50.0	1374454.0	0.371106	Y
7	IC 410-627062/10	300.0	101.055561	50.0	1504366.0	0.336852	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

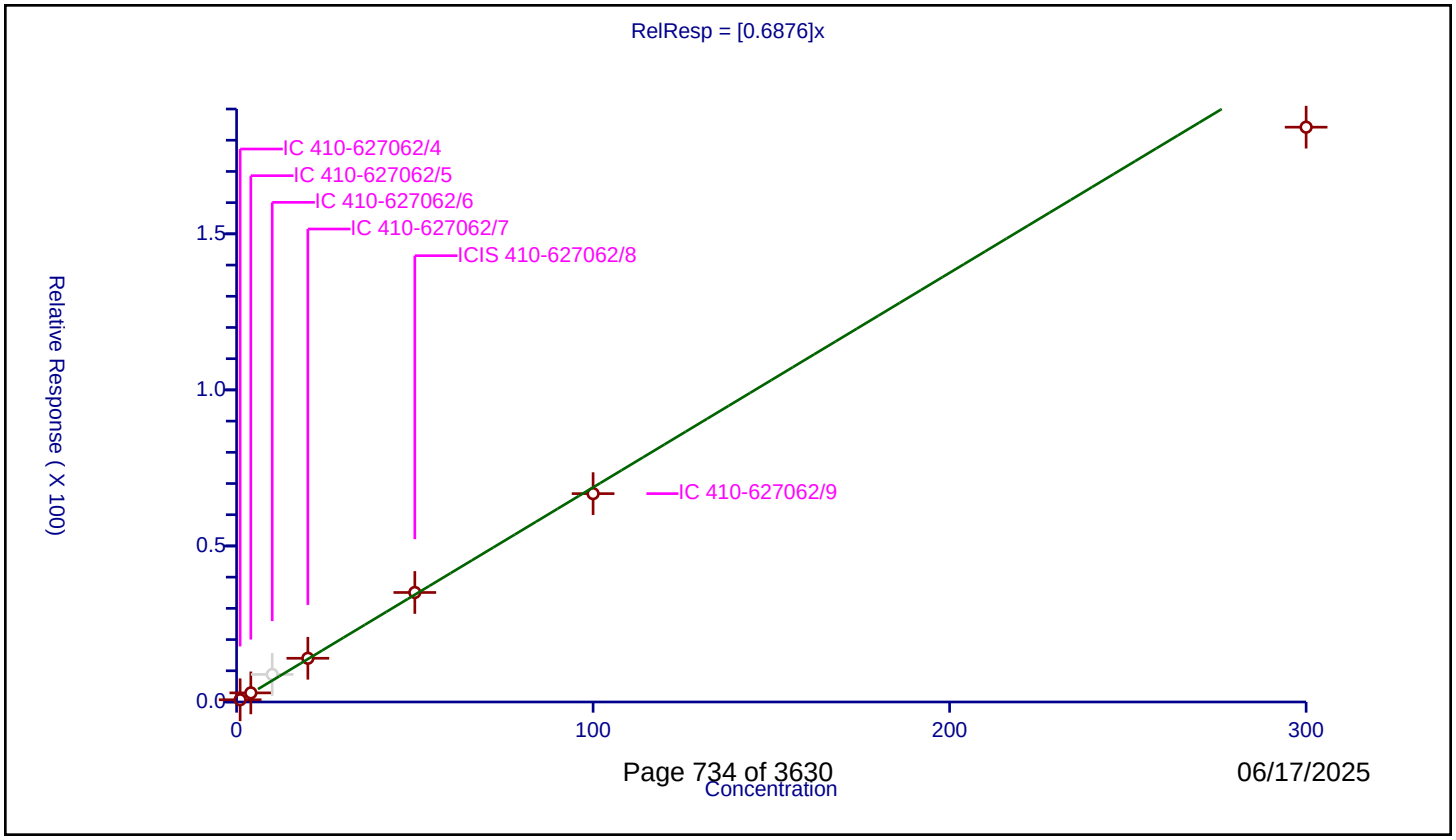
Curve Coefficients

Intercept:	0
Slope:	0.6876

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.713057	50.0	1194434.0	0.713057	Y
2	IC 410-627062/5	4.0	2.915176	50.0	1160856.0	0.728794	Y
3	IC 410-627062/6	10.0	8.834694	50.0	1192854.0	0.883469	N
4	IC 410-627062/7	20.0	14.007272	50.0	1250579.0	0.700364	Y
5	ICIS 410-627062/8	50.0	35.085362	50.0	1288050.0	0.701707	Y
6	IC 410-627062/9	100.0	66.759273	50.0	1374454.0	0.667593	Y
7	IC 410-627062/10	300.0	184.184234	50.0	1504366.0	0.613947	Y



06/17/2025

Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

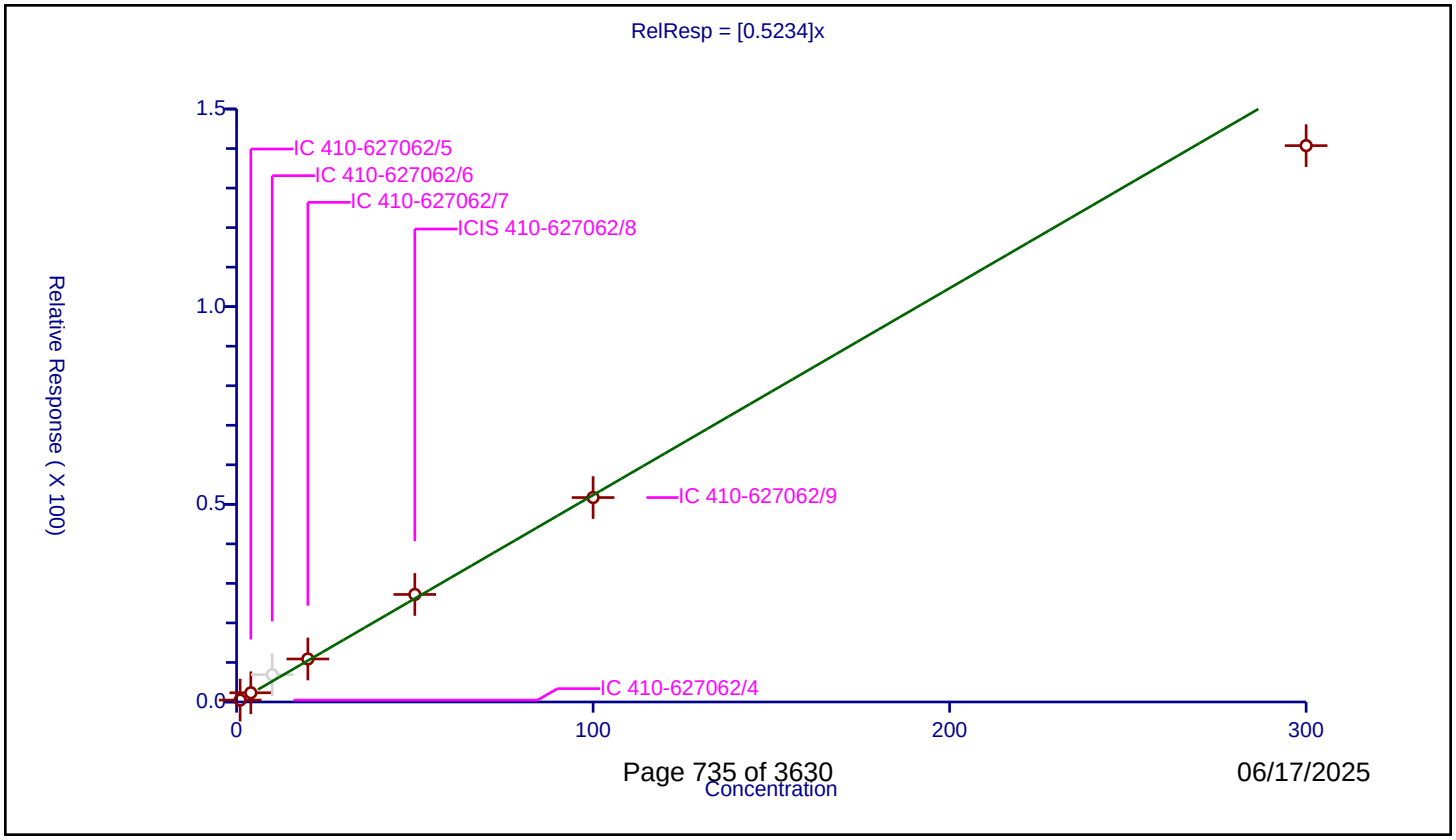
Curve Coefficients

Intercept:	0
Slope:	0.5234

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.483576	50.0	1194434.0	0.483576	Y
2	IC 410-627062/5	4.0	2.330608	50.0	1160856.0	0.582652	Y
3	IC 410-627062/6	10.0	6.913042	50.0	1192854.0	0.691304	N
4	IC 410-627062/7	20.0	10.875602	50.0	1250579.0	0.54378	Y
5	ICIS 410-627062/8	50.0	27.199798	50.0	1288050.0	0.543996	Y
6	IC 410-627062/9	100.0	51.713917	50.0	1374454.0	0.517139	Y
7	IC 410-627062/10	300.0	140.737394	50.0	1504366.0	0.469125	Y



Calibration / 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

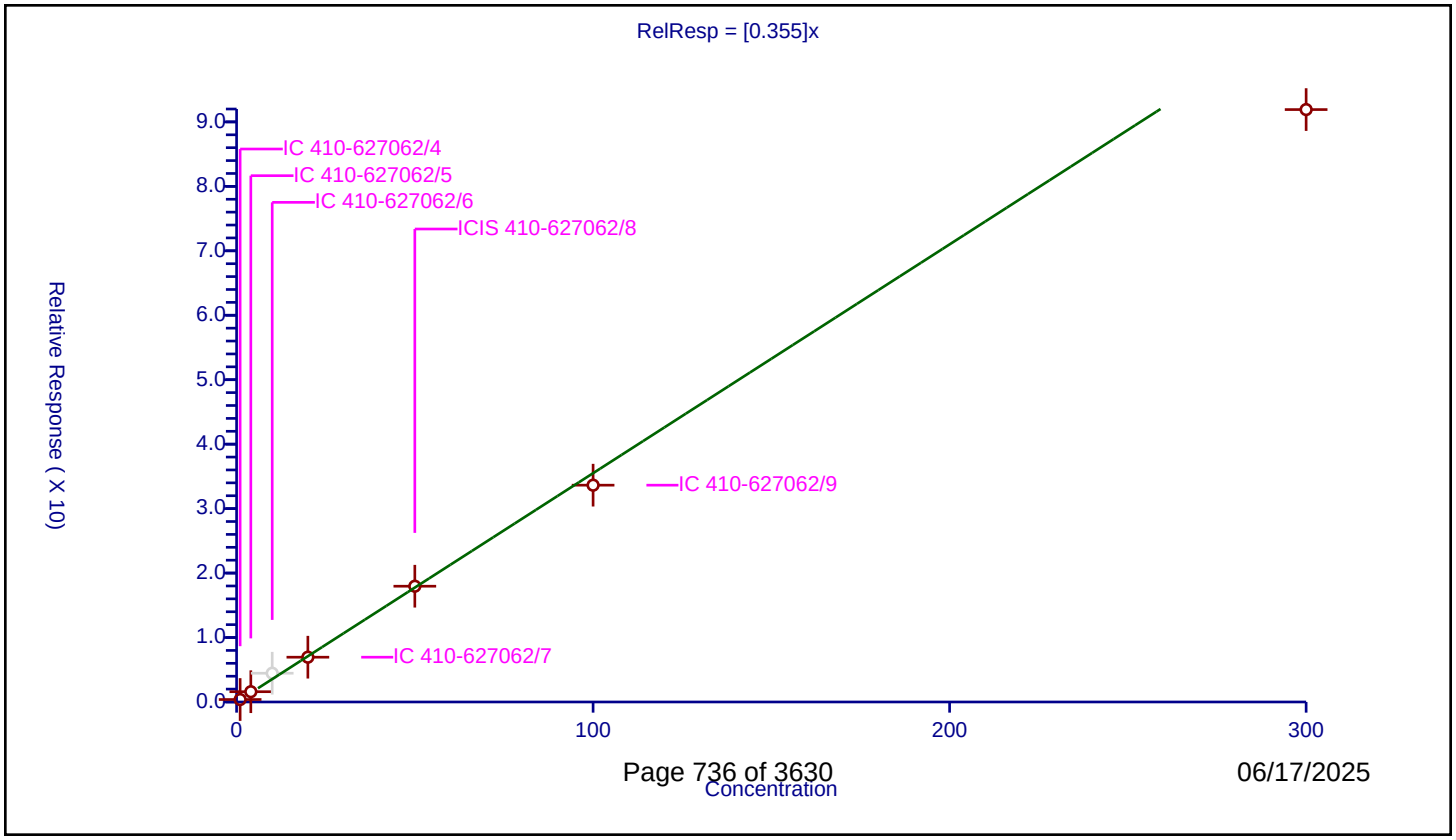
Curve Coefficients

Intercept:	0
Slope:	0.355

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.381729	50.0	1194434.0	0.381729	Y
2	IC 410-627062/5	4.0	1.594944	50.0	1160856.0	0.398736	Y
3	IC 410-627062/6	10.0	4.46094	50.0	1192854.0	0.446094	N
4	IC 410-627062/7	20.0	6.949741	50.0	1250579.0	0.347487	Y
5	ICIS 410-627062/8	50.0	17.962269	50.0	1288050.0	0.359245	Y
6	IC 410-627062/9	100.0	33.638012	50.0	1374454.0	0.33638	Y
7	IC 410-627062/10	300.0	91.911842	50.0	1504366.0	0.306373	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

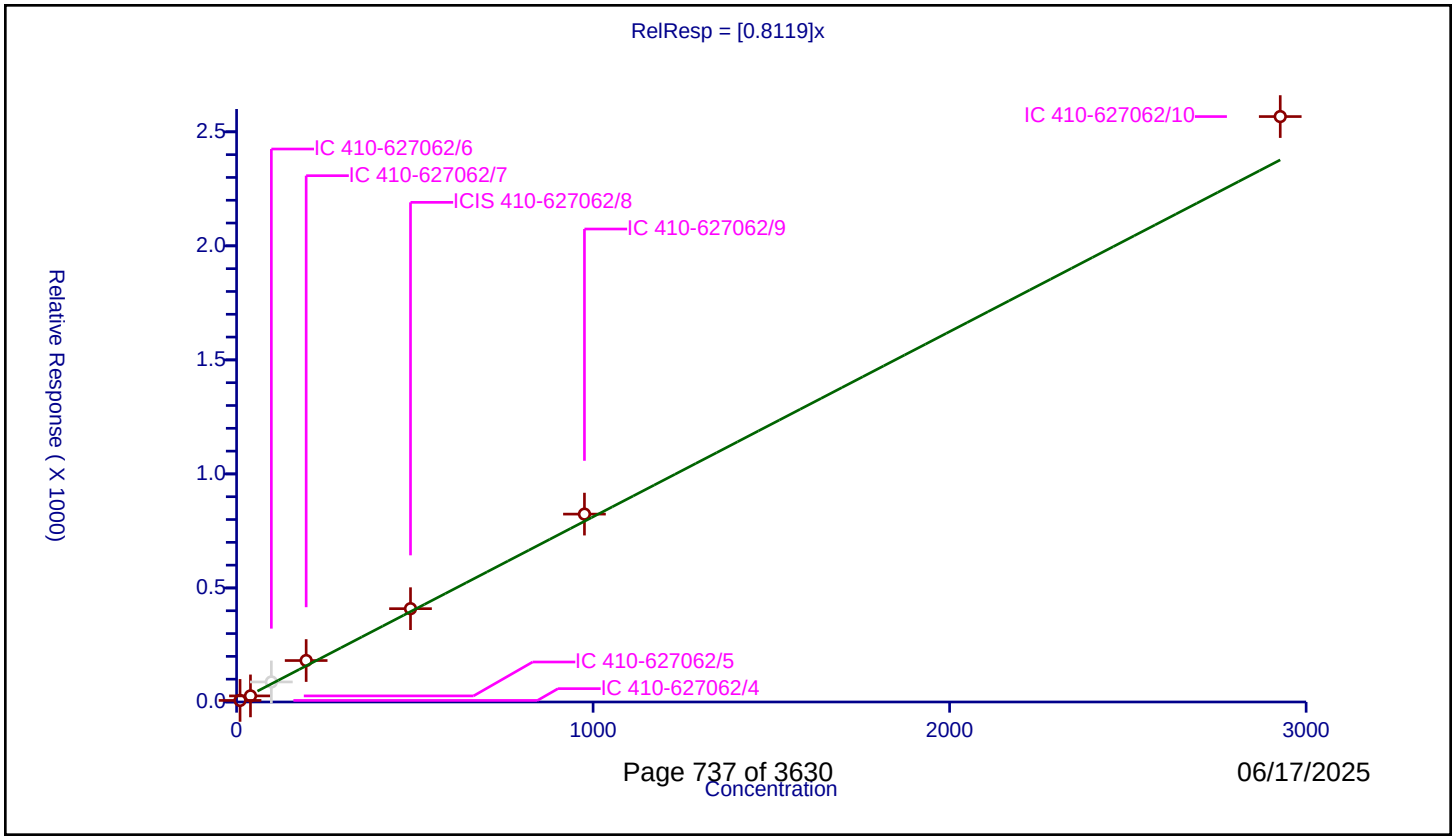
Curve Coefficients

Intercept:	0
Slope:	0.8119

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	9.758146	6.782568	250.0	874595.0	0.695067	Y
2	IC 410-627062/5	39.032585	26.751301	250.0	852295.0	0.685358	Y
3	IC 410-627062/6	97.581461	87.811555	250.0	837051.0	0.899879	N
4	IC 410-627062/7	195.162923	181.801916	250.0	774076.0	0.931539	Y
5	ICIS 410-627062/8	487.907307	409.122354	250.0	857202.0	0.838525	Y
6	IC 410-627062/9	975.814614	823.79387	250.0	853577.0	0.844211	Y
7	IC 410-627062/10	2927.443842	2566.963372	250.0	864999.0	0.876862	Y



06/17/2025

Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

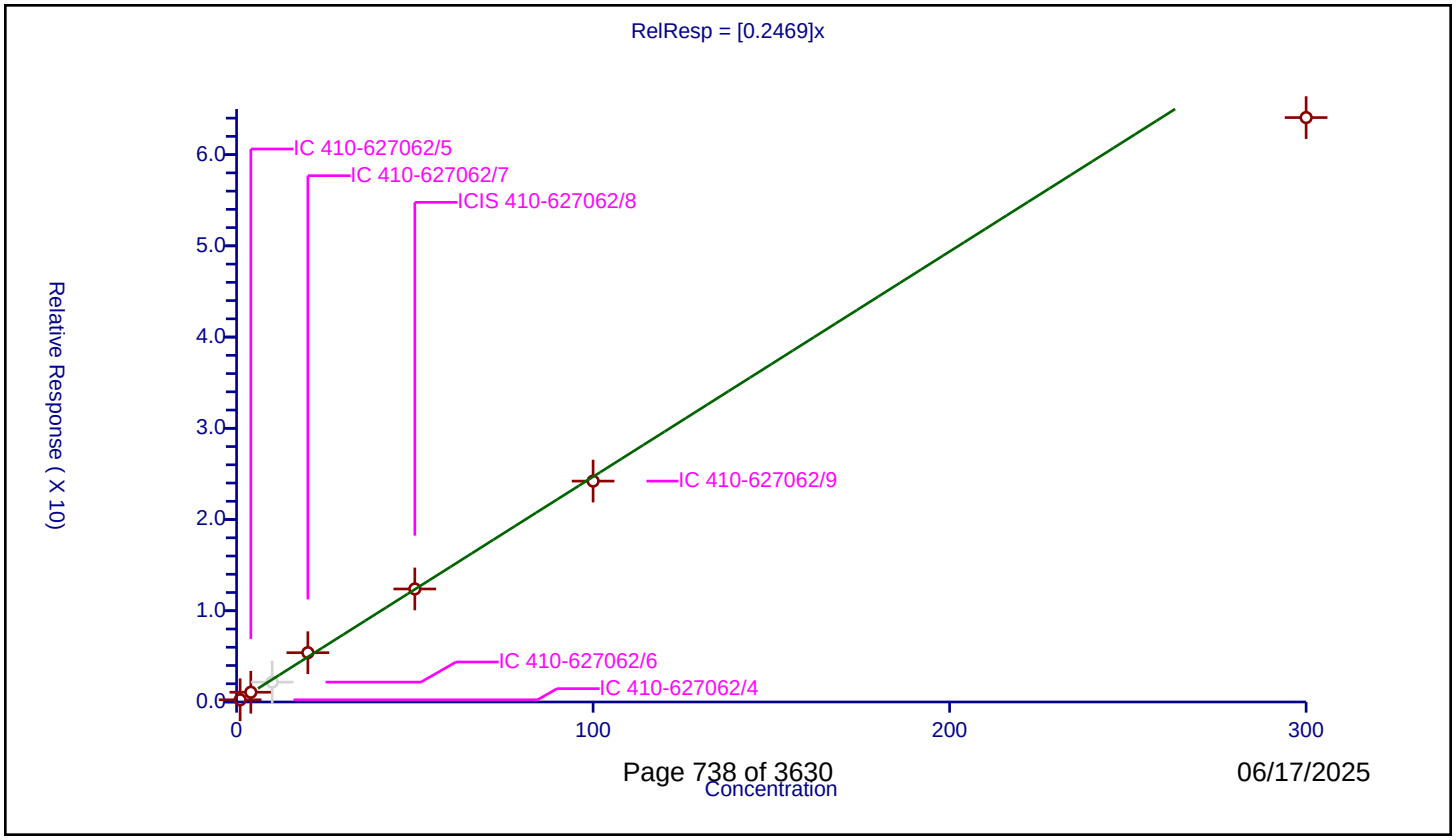
Curve Coefficients

Intercept:	0
Slope:	0.2469

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.240574	50.0	1194434.0	0.240574	Y
2	IC 410-627062/5	4.0	1.068522	50.0	1160856.0	0.26713	Y
3	IC 410-627062/6	10.0	2.178892	50.0	1192854.0	0.217889	N
4	IC 410-627062/7	20.0	5.404497	50.0	1250579.0	0.270225	Y
5	ICIS 410-627062/8	50.0	12.389659	50.0	1288050.0	0.247793	Y
6	IC 410-627062/9	100.0	24.214597	50.0	1374454.0	0.242146	Y
7	IC 410-627062/10	300.0	64.061472	50.0	1504366.0	0.213538	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

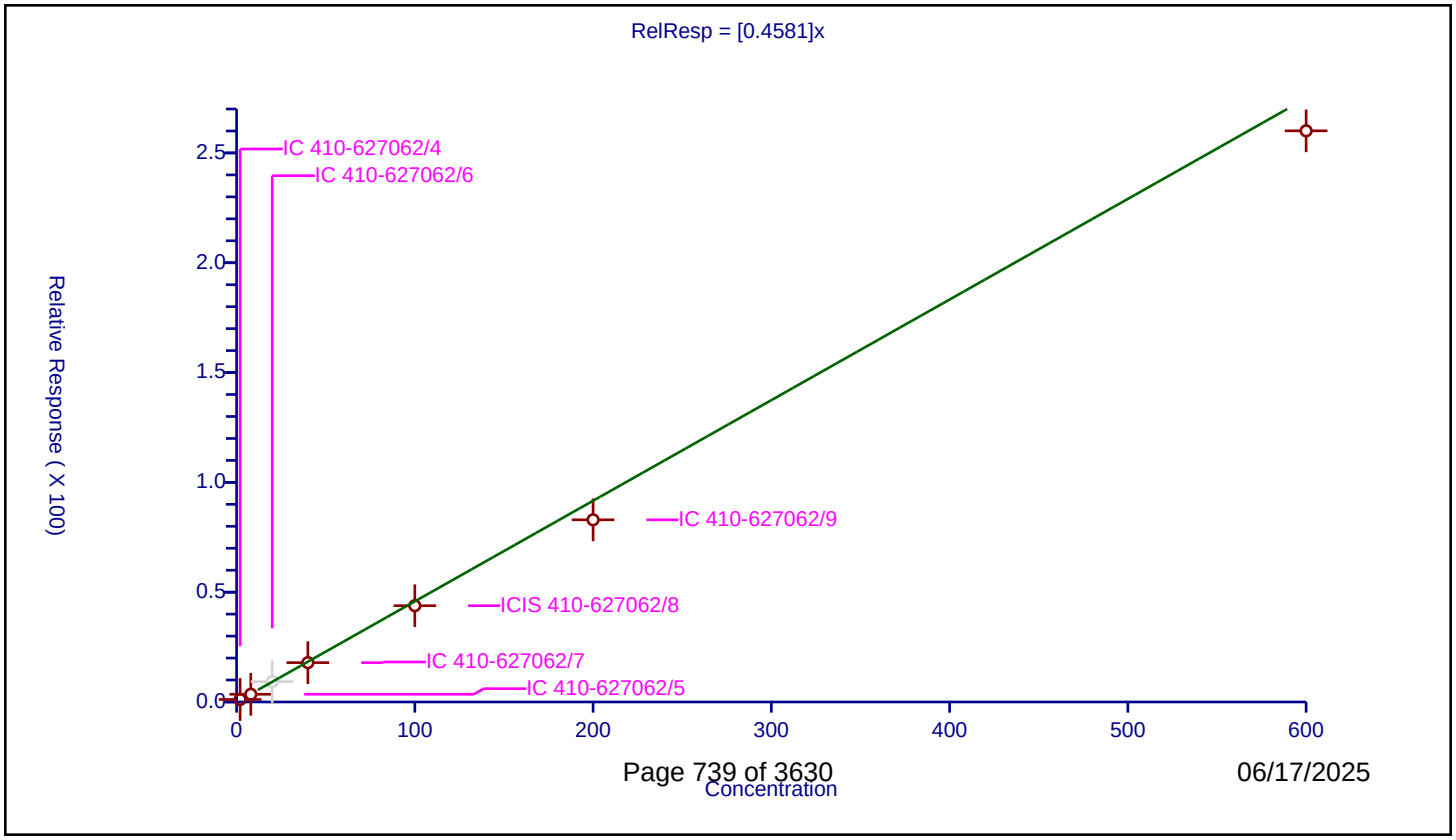
Curve Coefficients

Intercept:	0
Slope:	0.4581

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	2.0	1.150533	250.0	874595.0	0.575266	Y
2	IC 410-627062/5	8.0	3.511695	250.0	852295.0	0.438962	Y
3	IC 410-627062/6	20.0	9.274226	250.0	837051.0	0.463711	N
4	IC 410-627062/7	40.0	17.915231	250.0	774076.0	0.447881	Y
5	ICIS 410-627062/8	100.0	43.842933	250.0	857202.0	0.438429	Y
6	IC 410-627062/9	200.0	82.949751	250.0	853577.0	0.414749	Y
7	IC 410-627062/10	600.0	260.063595	250.0	864999.0	0.433439	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

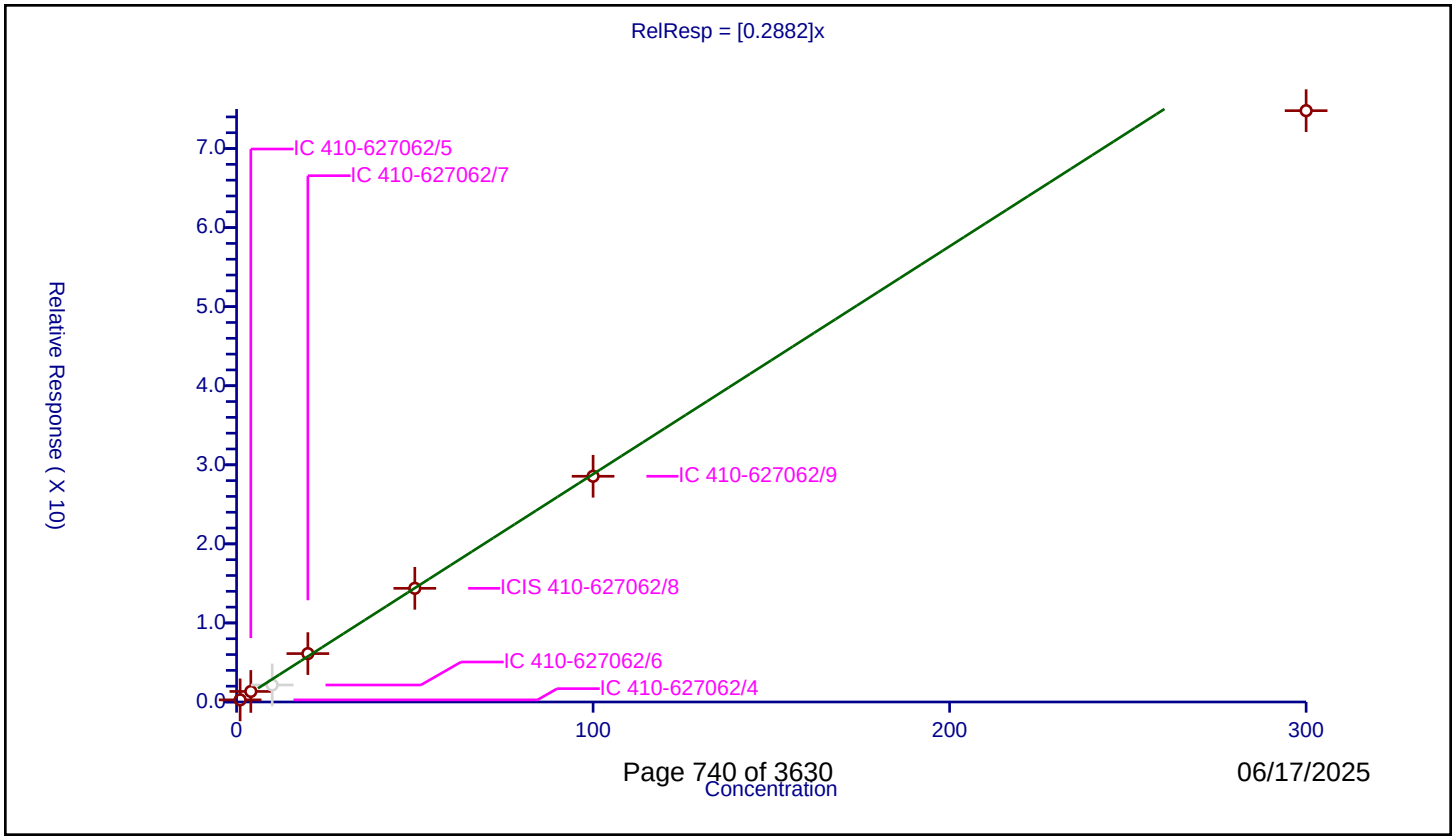
Curve Coefficients

Intercept:	0
Slope:	0.2882

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.26703	50.0	1194434.0	0.26703	Y
2	IC 410-627062/5	4.0	1.334877	50.0	1160856.0	0.333719	Y
3	IC 410-627062/6	10.0	2.150515	50.0	1192854.0	0.215051	N
4	IC 410-627062/7	20.0	6.119286	50.0	1250579.0	0.305964	Y
5	ICIS 410-627062/8	50.0	14.376189	50.0	1288050.0	0.287524	Y
6	IC 410-627062/9	100.0	28.547991	50.0	1374454.0	0.28548	Y
7	IC 410-627062/10	300.0	74.78928	50.0	1504366.0	0.249298	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

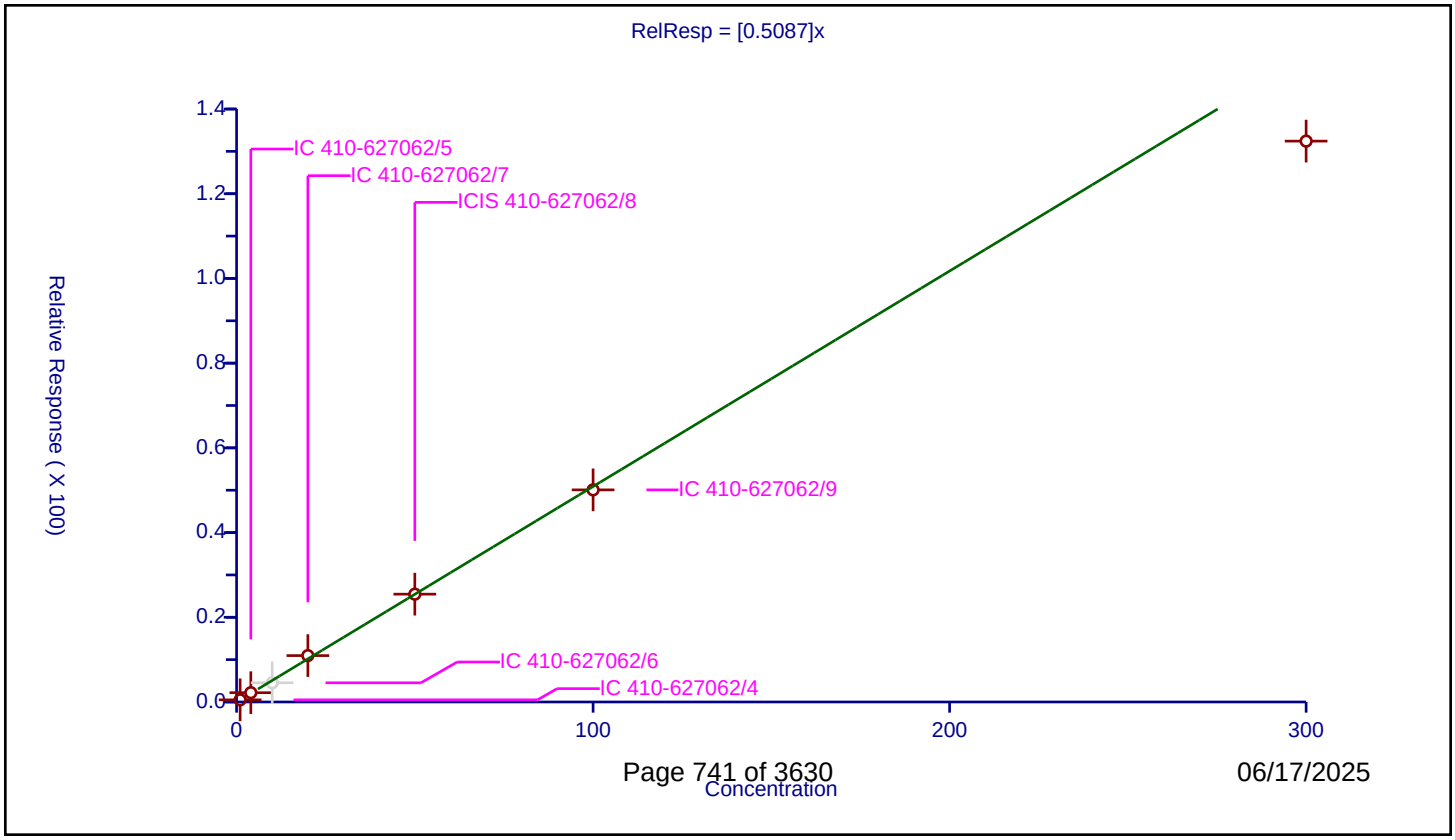
Curve Coefficients

Intercept:	0
Slope:	0.5087

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.50459	50.0	1194434.0	0.50459	Y
2	IC 410-627062/5	4.0	2.195406	50.0	1160856.0	0.548851	Y
3	IC 410-627062/6	10.0	4.530353	50.0	1192854.0	0.453035	N
4	IC 410-627062/7	20.0	10.954686	50.0	1250579.0	0.547734	Y
5	ICIS 410-627062/8	50.0	25.455184	50.0	1288050.0	0.509104	Y
6	IC 410-627062/9	100.0	50.079595	50.0	1374454.0	0.500796	Y
7	IC 410-627062/10	300.0	132.421432	50.0	1504366.0	0.441405	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

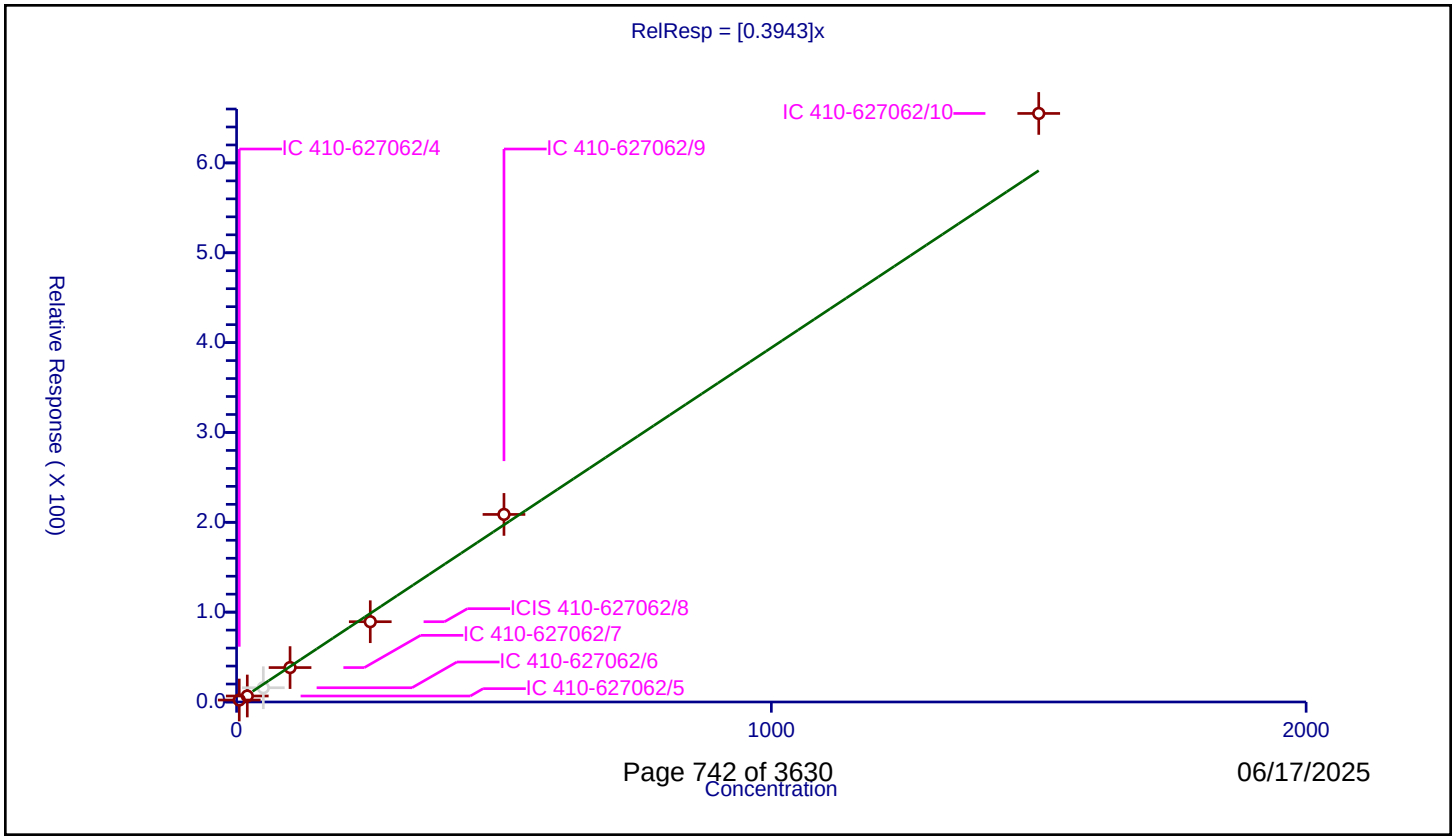
Curve Coefficients

Intercept:	0
Slope:	0.3943

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	5.0	2.189585	250.0	874595.0	0.437917	Y
2	IC 410-627062/5	20.0	6.662599	250.0	852295.0	0.33313	Y
3	IC 410-627062/6	50.0	15.877766	250.0	837051.0	0.317555	N
4	IC 410-627062/7	100.0	38.311484	250.0	774076.0	0.383115	Y
5	ICIS 410-627062/8	250.0	89.349418	250.0	857202.0	0.357398	Y
6	IC 410-627062/9	500.0	208.772026	250.0	853577.0	0.417544	Y
7	IC 410-627062/10	1500.0	655.072145	250.0	864999.0	0.436715	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

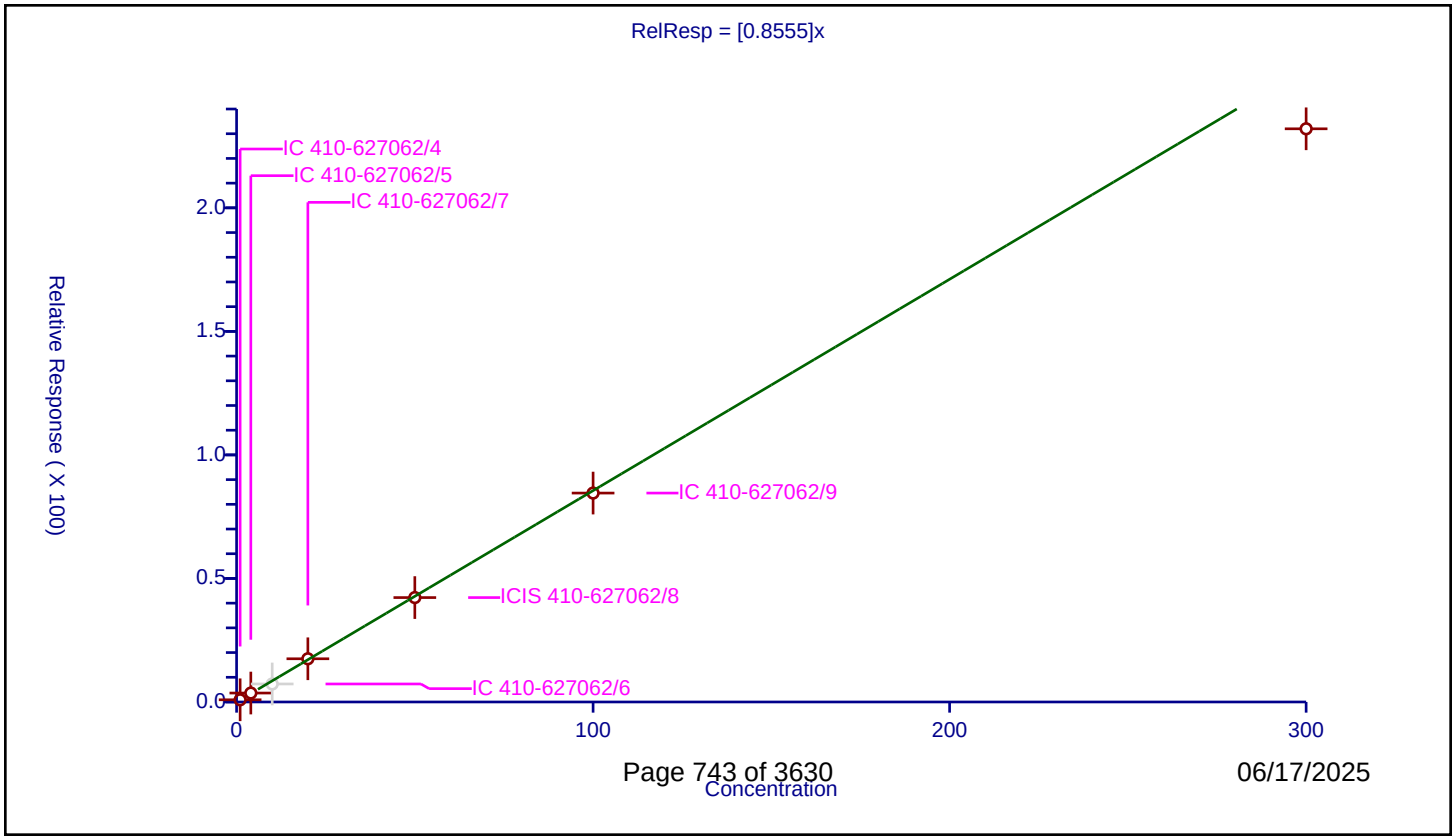
Curve Coefficients

Intercept:	0
Slope:	0.8555

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.889836	50.0	1194434.0	0.889836	Y
2	IC 410-627062/5	4.0	3.617934	50.0	1160856.0	0.904483	Y
3	IC 410-627062/6	10.0	7.288822	50.0	1192854.0	0.728882	N
4	IC 410-627062/7	20.0	17.48722	50.0	1250579.0	0.874361	Y
5	ICIS 410-627062/8	50.0	42.256589	50.0	1288050.0	0.845132	Y
6	IC 410-627062/9	100.0	84.560887	50.0	1374454.0	0.845609	Y
7	IC 410-627062/10	300.0	231.99494	50.0	1504366.0	0.773316	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

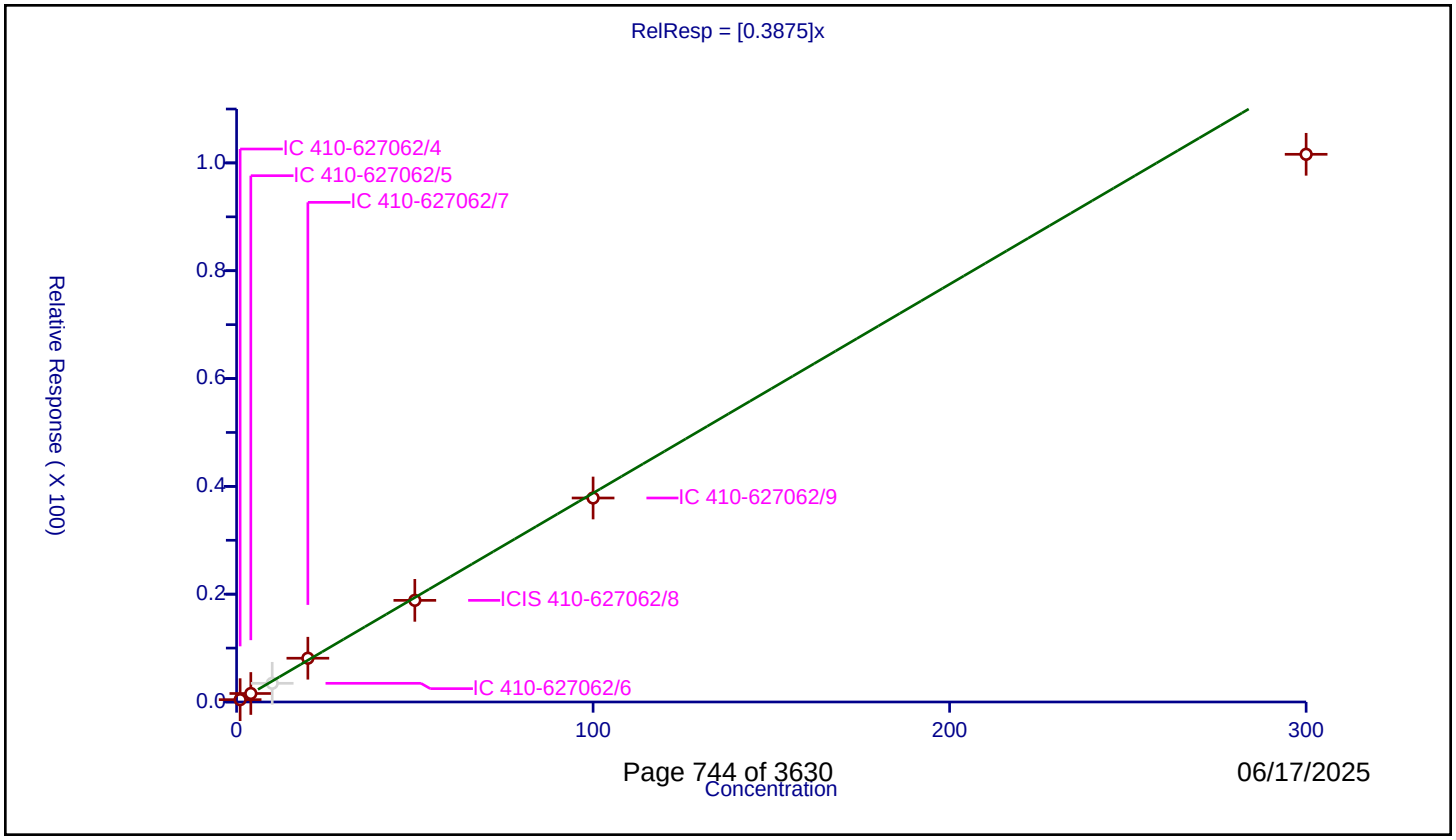
Curve Coefficients

Intercept:	0
Slope:	0.3875

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.43079	50.0	1194434.0	0.43079	Y
2	IC 410-627062/5	4.0	1.574786	50.0	1160856.0	0.393697	Y
3	IC 410-627062/6	10.0	3.465512	50.0	1192854.0	0.346551	N
4	IC 410-627062/7	20.0	8.122118	50.0	1250579.0	0.406106	Y
5	ICIS 410-627062/8	50.0	18.852956	50.0	1288050.0	0.377059	Y
6	IC 410-627062/9	100.0	37.842518	50.0	1374454.0	0.378425	Y
7	IC 410-627062/10	300.0	101.601572	50.0	1504366.0	0.338672	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

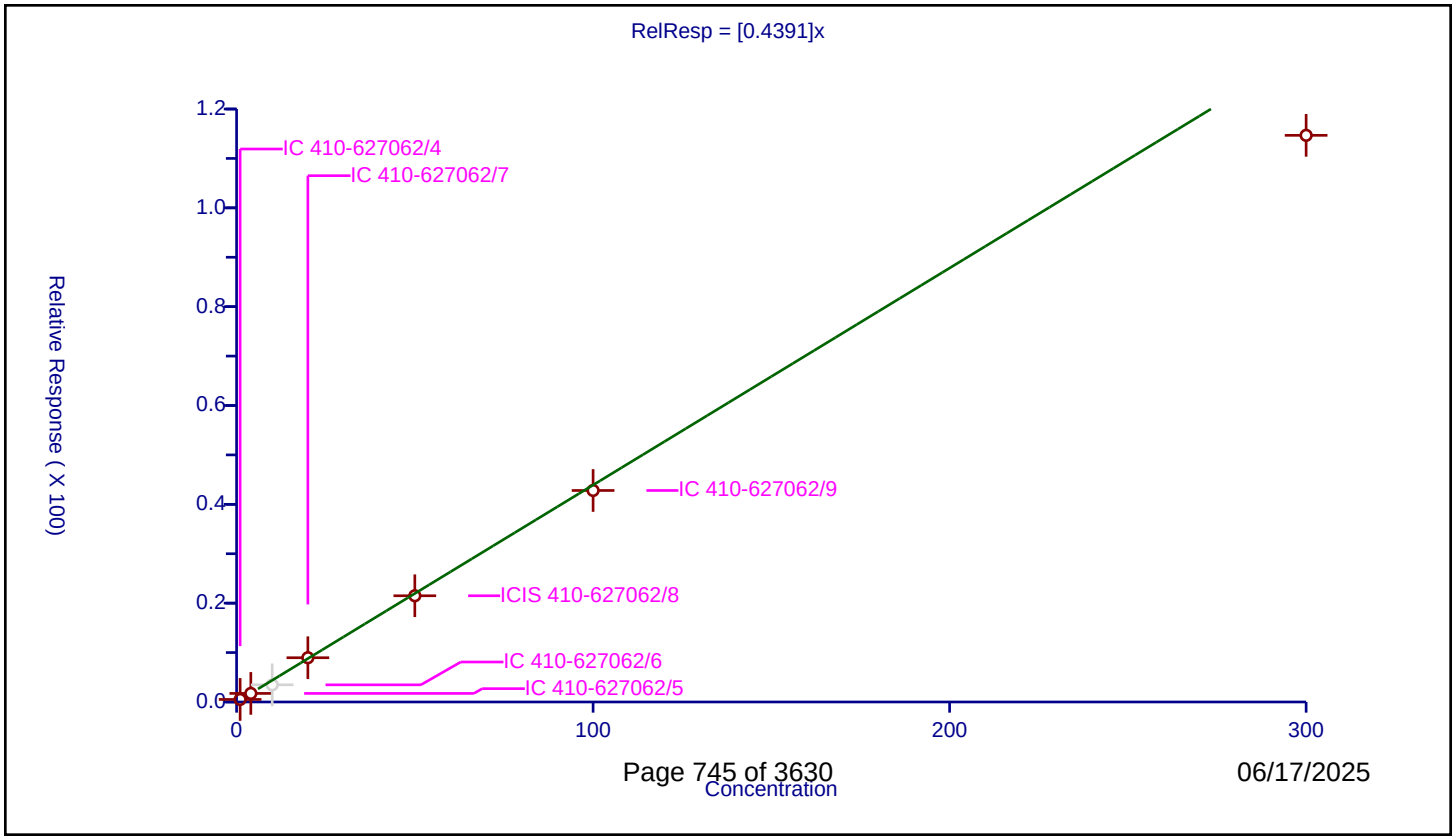
Curve Coefficients

Intercept:	0
Slope:	0.4391

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.513004	50.0	1194434.0	0.513004	Y
2	IC 410-627062/5	4.0	1.733247	50.0	1160856.0	0.433312	Y
3	IC 410-627062/6	10.0	3.470332	50.0	1192854.0	0.347033	N
4	IC 410-627062/7	20.0	8.957531	50.0	1250579.0	0.447877	Y
5	ICIS 410-627062/8	50.0	21.498544	50.0	1288050.0	0.429971	Y
6	IC 410-627062/9	100.0	42.802924	50.0	1374454.0	0.428029	Y
7	IC 410-627062/10	300.0	114.673823	50.0	1504366.0	0.382246	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

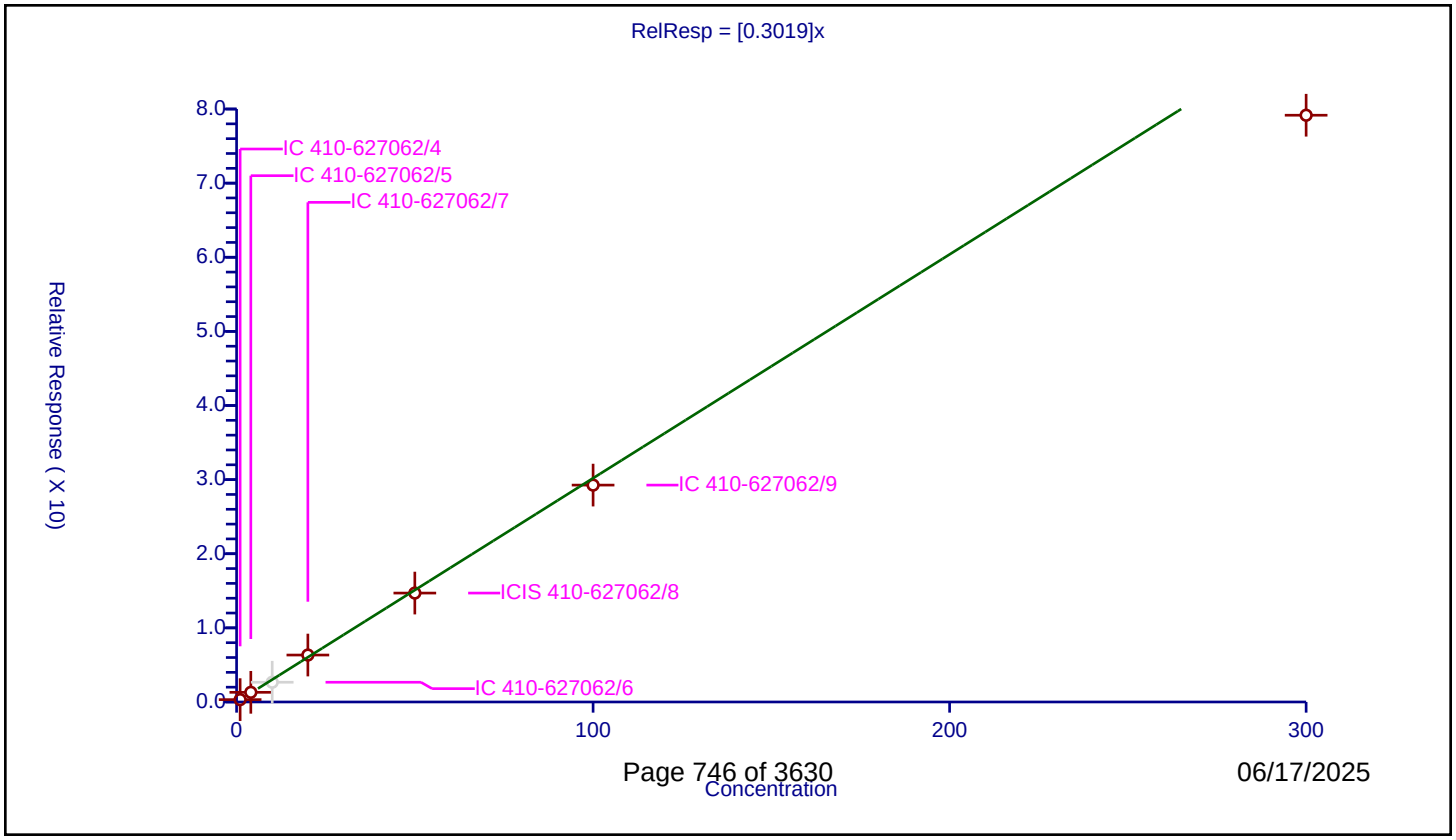
Curve Coefficients

Intercept:	0
Slope:	0.3019

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.318059	50.0	1194434.0	0.318059	Y
2	IC 410-627062/5	4.0	1.305545	50.0	1160856.0	0.326386	Y
3	IC 410-627062/6	10.0	2.662857	50.0	1192854.0	0.266286	N
4	IC 410-627062/7	20.0	6.334306	50.0	1250579.0	0.316715	Y
5	ICIS 410-627062/8	50.0	14.69644	50.0	1288050.0	0.293929	Y
6	IC 410-627062/9	100.0	29.260164	50.0	1374454.0	0.292602	Y
7	IC 410-627062/10	300.0	79.161155	50.0	1504366.0	0.263871	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

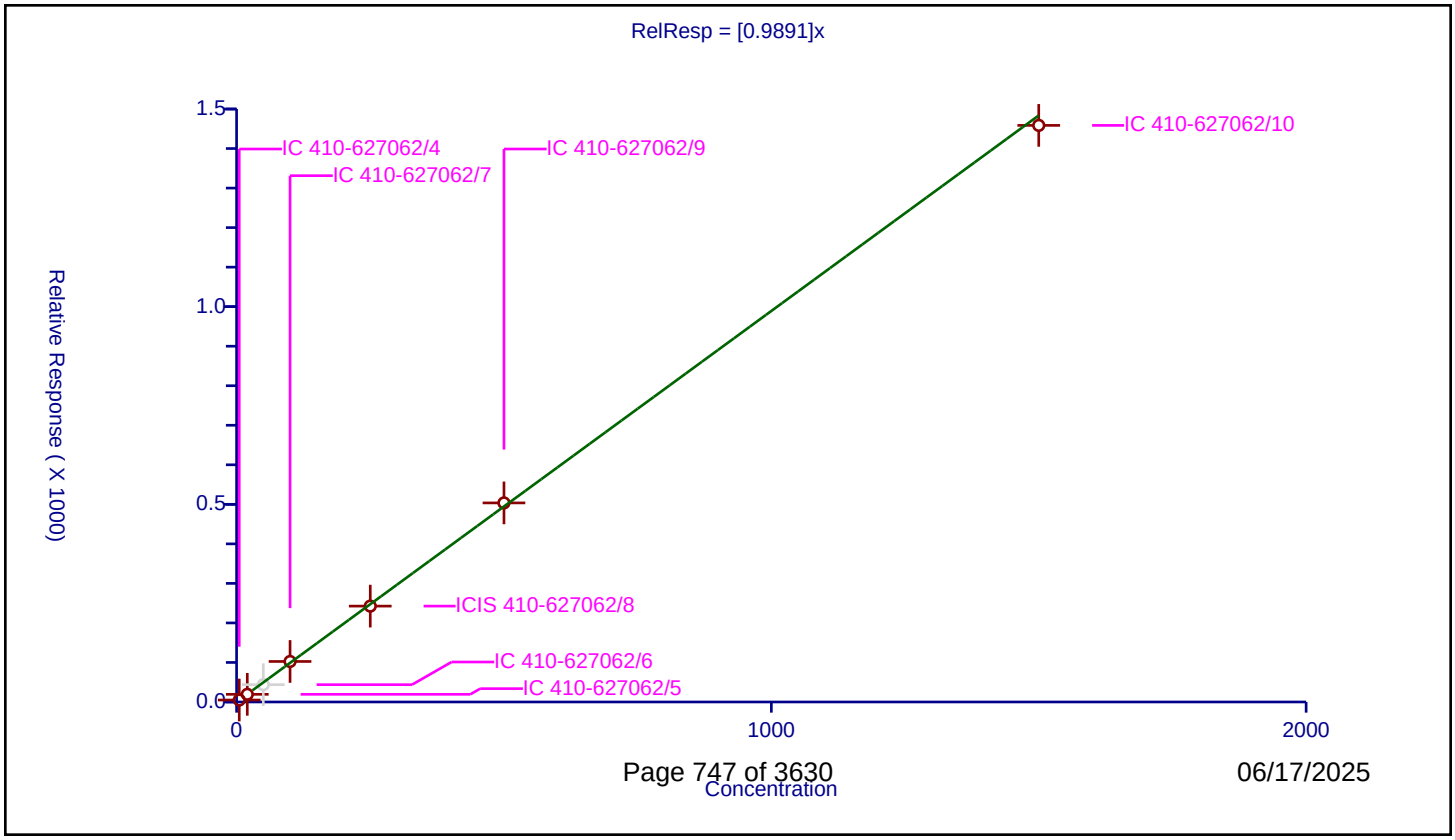
Curve Coefficients

Intercept:	0
Slope:	0.9891

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	5.0	4.956008	250.0	874595.0	0.991202	Y
2	IC 410-627062/5	20.0	19.374454	250.0	852295.0	0.968723	Y
3	IC 410-627062/6	50.0	43.800497	250.0	837051.0	0.87601	N
4	IC 410-627062/7	100.0	102.500594	250.0	774076.0	1.025006	Y
5	ICIS 410-627062/8	250.0	242.53064	250.0	857202.0	0.970123	Y
6	IC 410-627062/9	500.0	503.588136	250.0	853577.0	1.007176	Y
7	IC 410-627062/10	1500.0	1458.589548	250.0	864999.0	0.972393	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

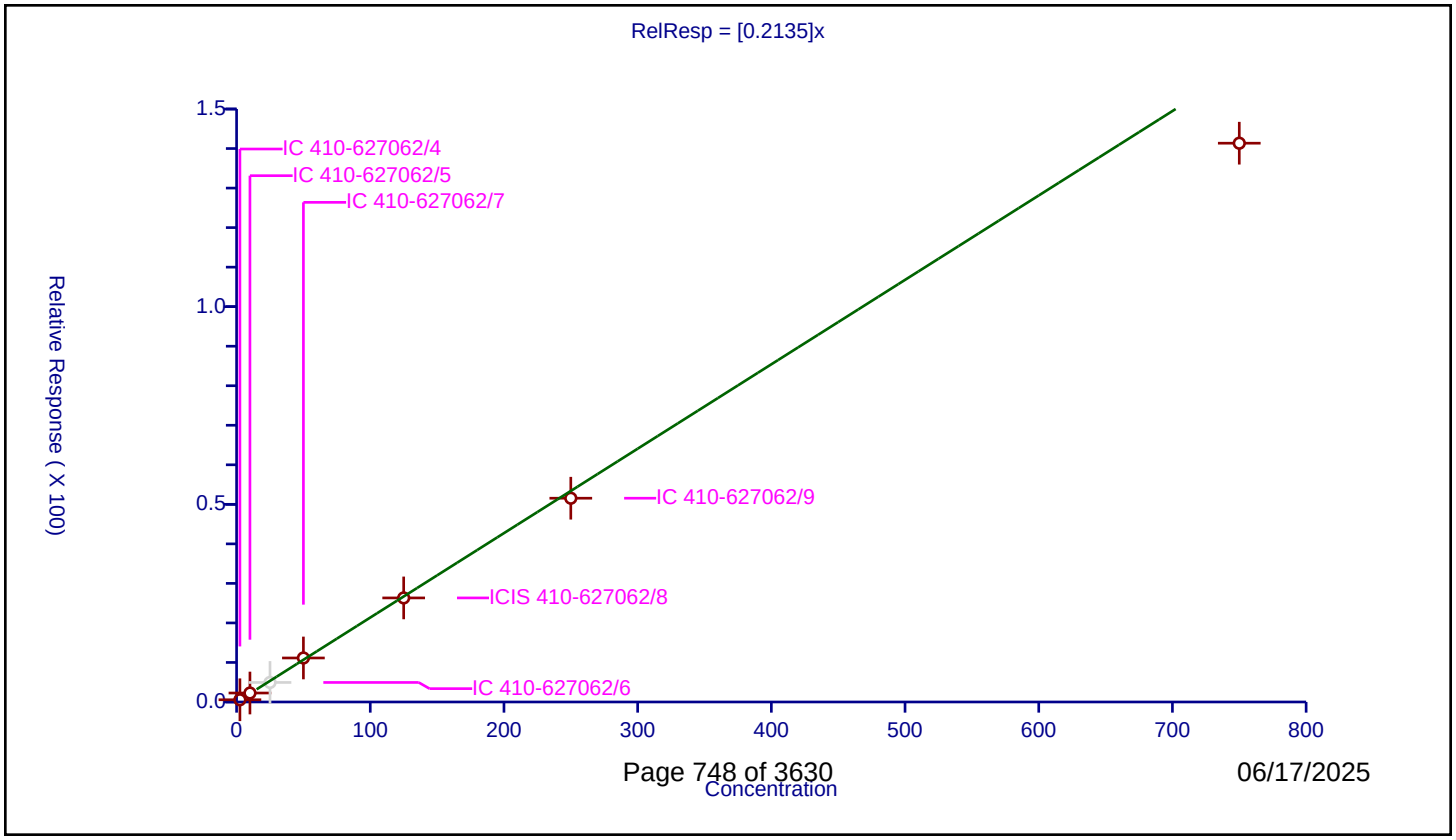
Curve Coefficients

Intercept:	0
Slope:	0.2135

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	2.5	0.566168	50.0	1194434.0	0.226467	Y
2	IC 410-627062/5	10.0	2.268843	50.0	1160856.0	0.226884	Y
3	IC 410-627062/6	25.0	4.941762	50.0	1192854.0	0.19767	N
4	IC 410-627062/7	50.0	11.135362	50.0	1250579.0	0.222707	Y
5	ICIS 410-627062/8	125.0	26.323706	50.0	1288050.0	0.21059	Y
6	IC 410-627062/9	250.0	51.54374	50.0	1374454.0	0.206175	Y
7	IC 410-627062/10	750.0	141.350908	50.0	1504366.0	0.188468	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

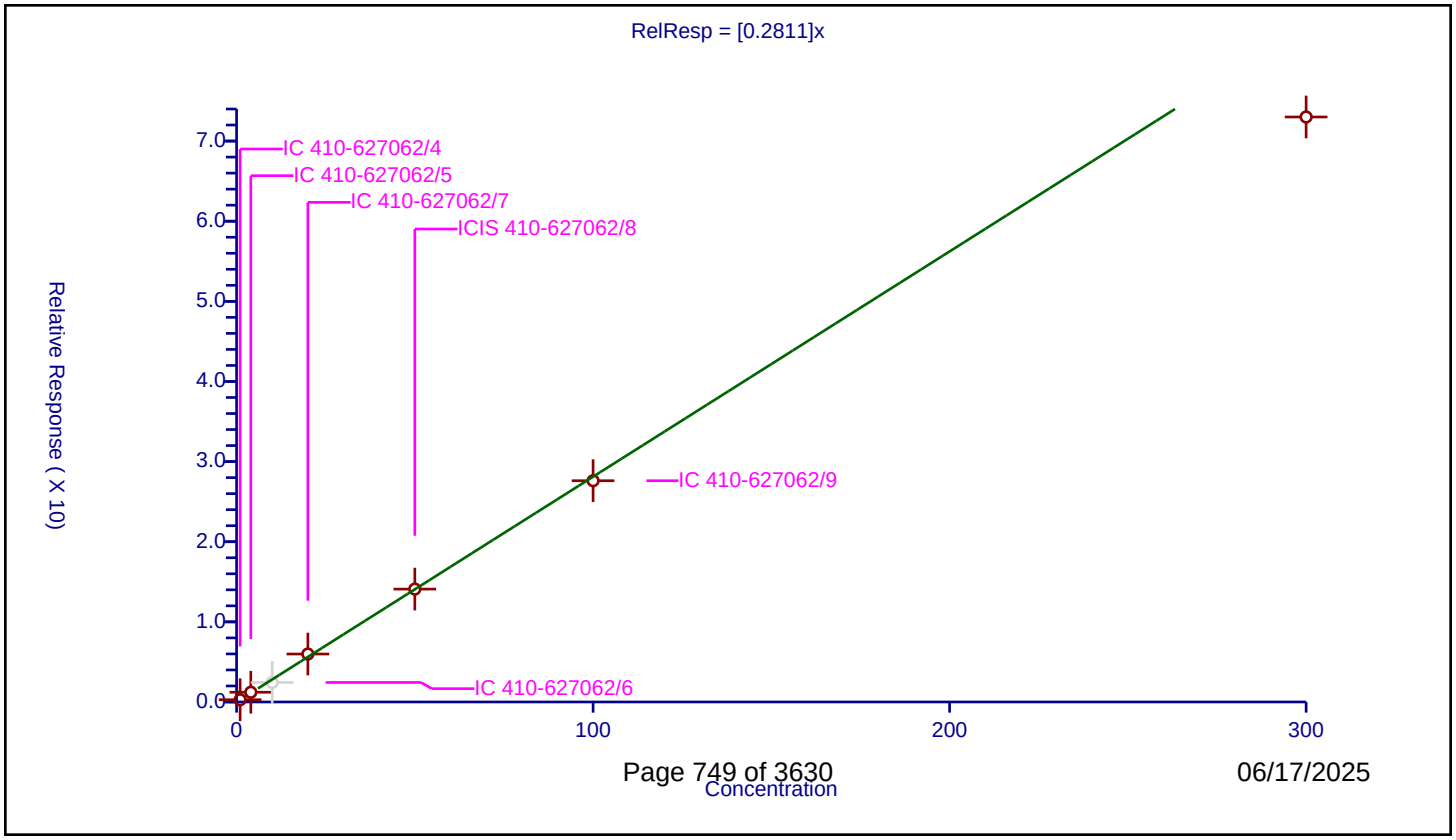
Curve Coefficients

Intercept:	0
Slope:	0.2811

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.282058	50.0	1194434.0	0.282058	Y
2	IC 410-627062/5	4.0	1.216688	50.0	1160856.0	0.304172	Y
3	IC 410-627062/6	10.0	2.438773	50.0	1192854.0	0.243877	N
4	IC 410-627062/7	20.0	5.985867	50.0	1250579.0	0.299293	Y
5	ICIS 410-627062/8	50.0	14.088157	50.0	1288050.0	0.281763	Y
6	IC 410-627062/9	100.0	27.61362	50.0	1374454.0	0.276136	Y
7	IC 410-627062/10	300.0	73.005738	50.0	1504366.0	0.243352	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

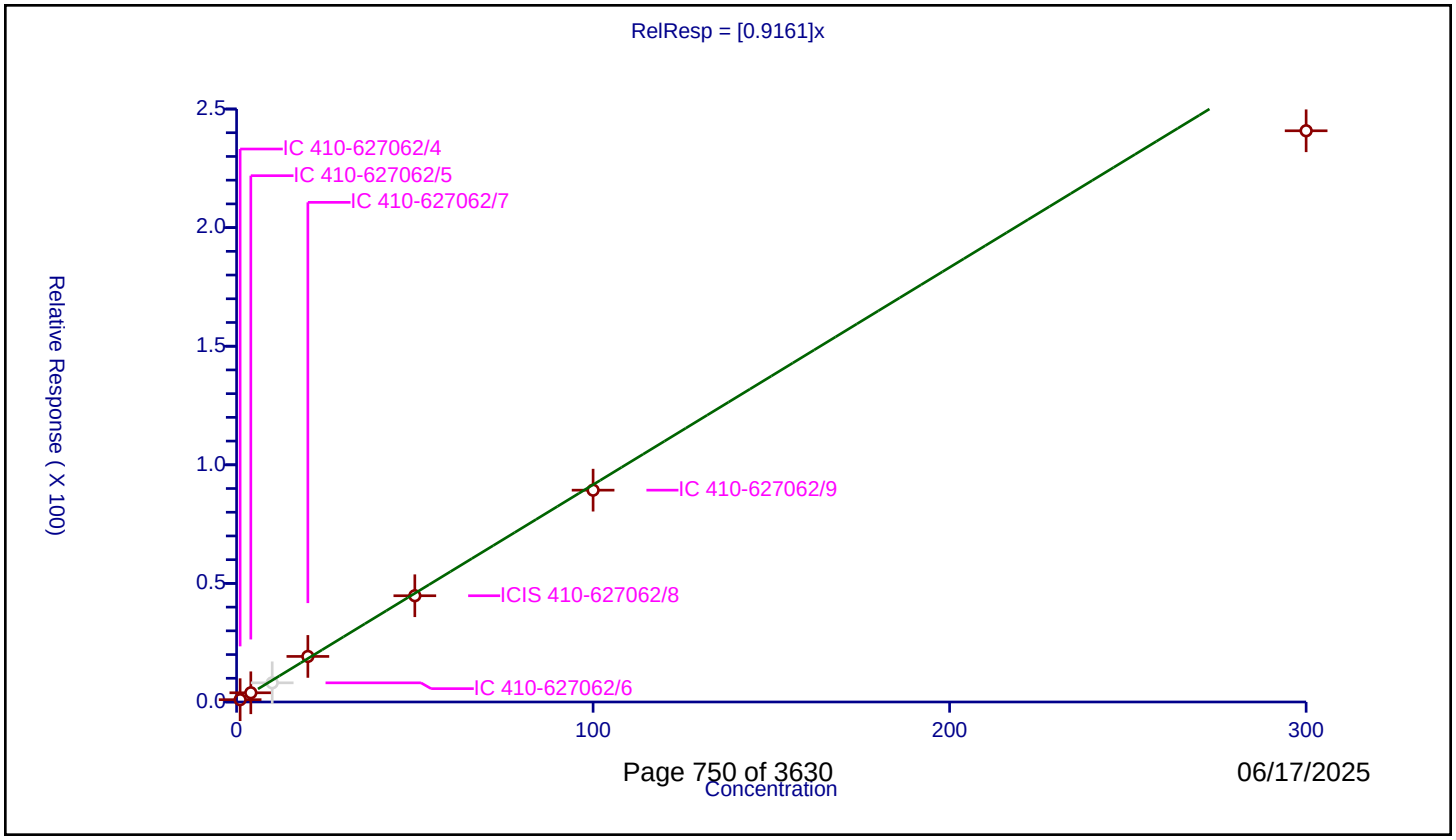
Curve Coefficients

Intercept:	0
Slope:	0.9161

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.972218	50.0	1194434.0	0.972218	Y
2	IC 410-627062/5	4.0	3.889845	50.0	1160856.0	0.972461	Y
3	IC 410-627062/6	10.0	8.082213	50.0	1192854.0	0.808221	N
4	IC 410-627062/7	20.0	19.205624	50.0	1250579.0	0.960281	Y
5	ICIS 410-627062/8	50.0	44.797135	50.0	1288050.0	0.895943	Y
6	IC 410-627062/9	100.0	89.303098	50.0	1374454.0	0.893031	Y
7	IC 410-627062/10	300.0	240.831088	50.0	1504366.0	0.80277	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

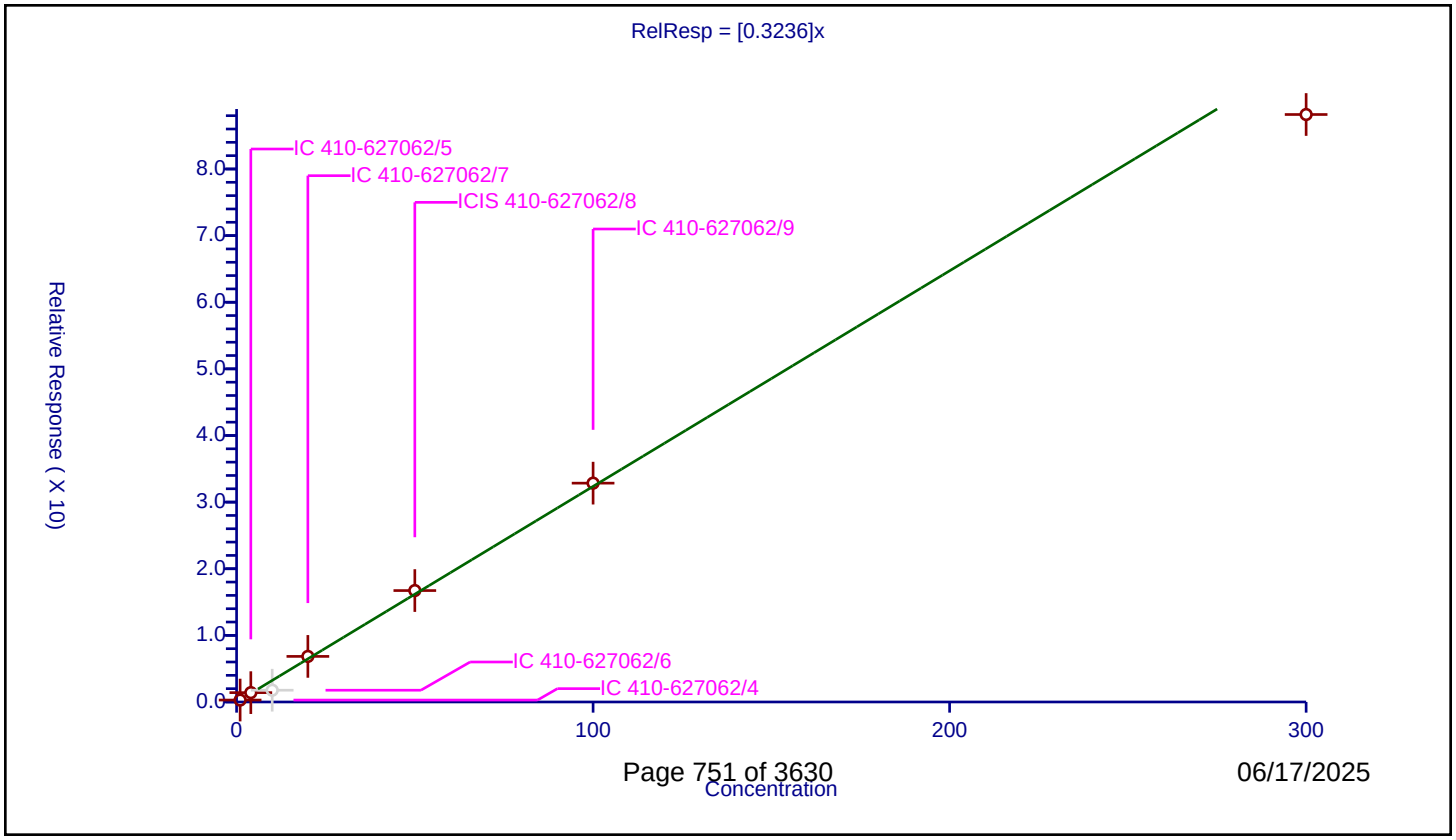
Curve Coefficients

Intercept:	0
Slope:	0.3236

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.291435	50.0	1194434.0	0.291435	Y
2	IC 410-627062/5	4.0	1.40405	50.0	1160856.0	0.351013	Y
3	IC 410-627062/6	10.0	1.766645	50.0	1192854.0	0.176665	N
4	IC 410-627062/7	20.0	6.84367	50.0	1250579.0	0.342184	Y
5	ICIS 410-627062/8	50.0	16.725438	50.0	1288050.0	0.334509	Y
6	IC 410-627062/9	100.0	32.844169	50.0	1374454.0	0.328442	Y
7	IC 410-627062/10	300.0	88.17442	50.0	1504366.0	0.293915	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

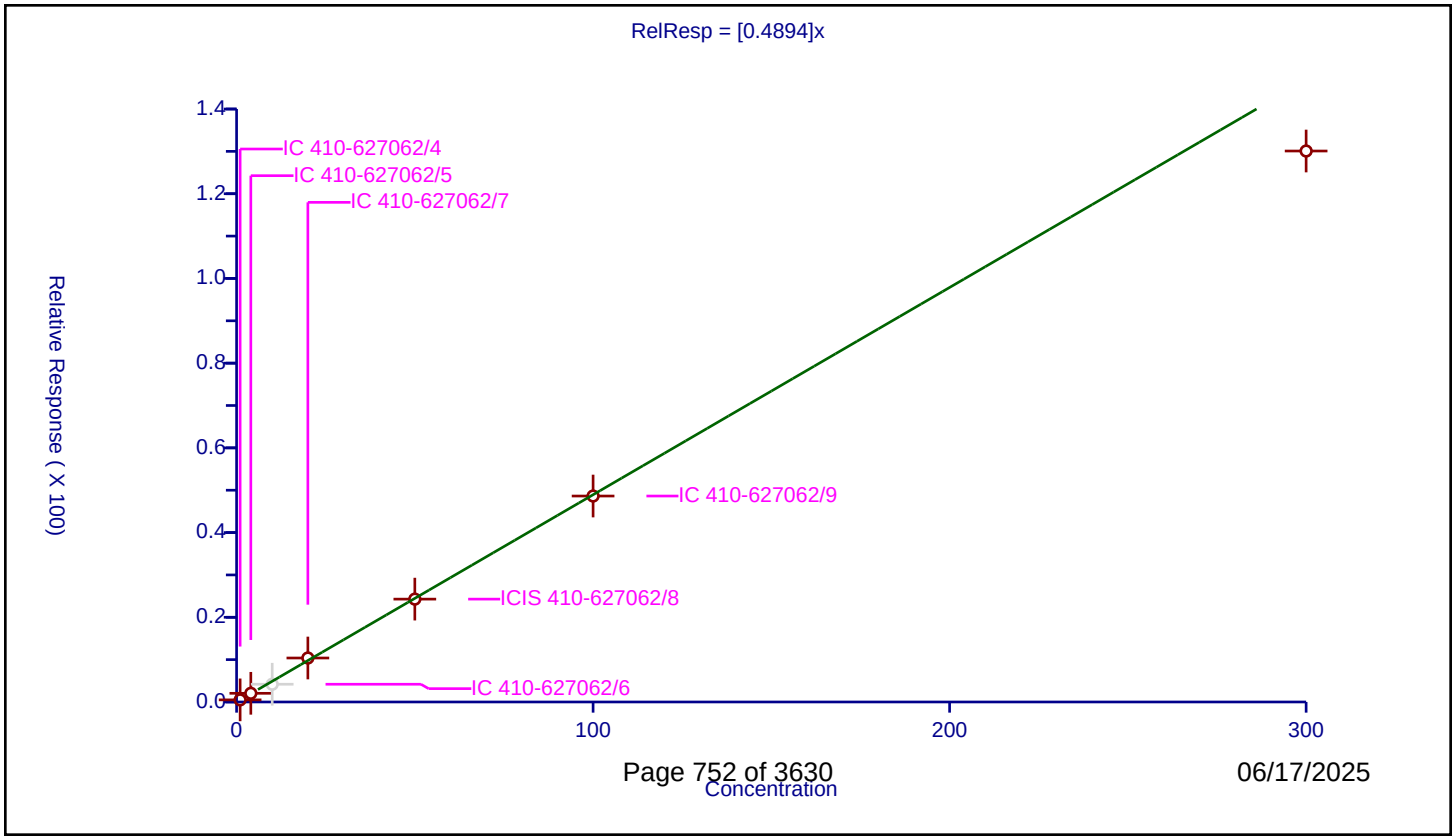
Curve Coefficients

Intercept:	0
Slope:	0.4894

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.498102	50.0	1194434.0	0.498102	Y
2	IC 410-627062/5	4.0	2.052236	50.0	1160856.0	0.513059	Y
3	IC 410-627062/6	10.0	4.189783	50.0	1192854.0	0.418978	N
4	IC 410-627062/7	20.0	10.386629	50.0	1250579.0	0.519331	Y
5	ICIS 410-627062/8	50.0	24.285664	50.0	1288050.0	0.485713	Y
6	IC 410-627062/9	100.0	48.628255	50.0	1374454.0	0.486283	Y
7	IC 410-627062/10	300.0	130.084634	50.0	1504366.0	0.433615	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

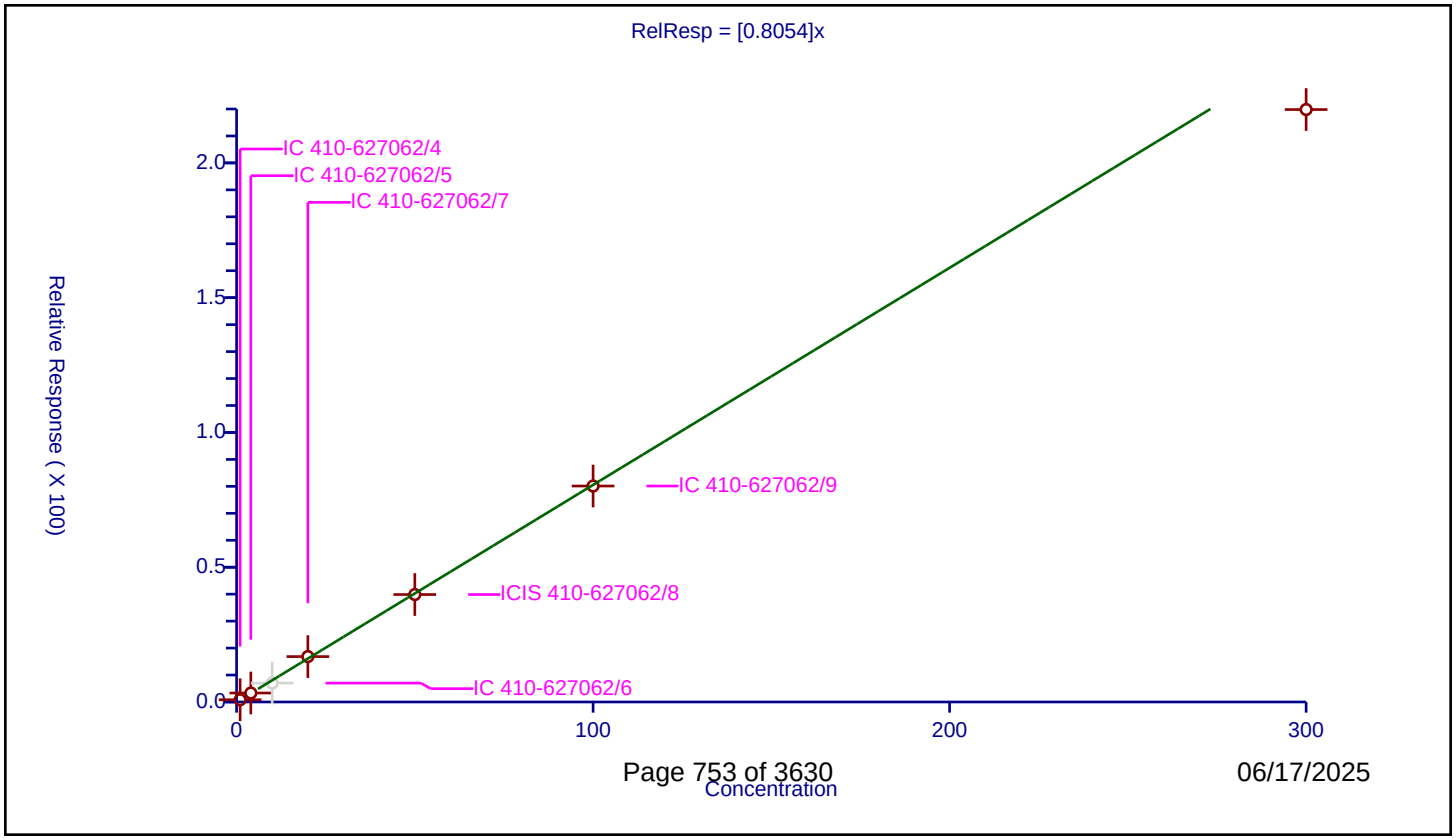
Curve Coefficients

Intercept:	0
Slope:	0.8054

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.827128	50.0	1194434.0	0.827128	Y
2	IC 410-627062/5	4.0	3.326941	50.0	1160856.0	0.831735	Y
3	IC 410-627062/6	10.0	7.012551	50.0	1192854.0	0.701255	N
4	IC 410-627062/7	20.0	16.847436	50.0	1250579.0	0.842372	Y
5	ICIS 410-627062/8	50.0	39.869648	50.0	1288050.0	0.797393	Y
6	IC 410-627062/9	100.0	80.12338	50.0	1374454.0	0.801234	Y
7	IC 410-627062/10	300.0	219.803359	50.0	1504366.0	0.732678	Y



Calibration / 2-Chloro-1,3-butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

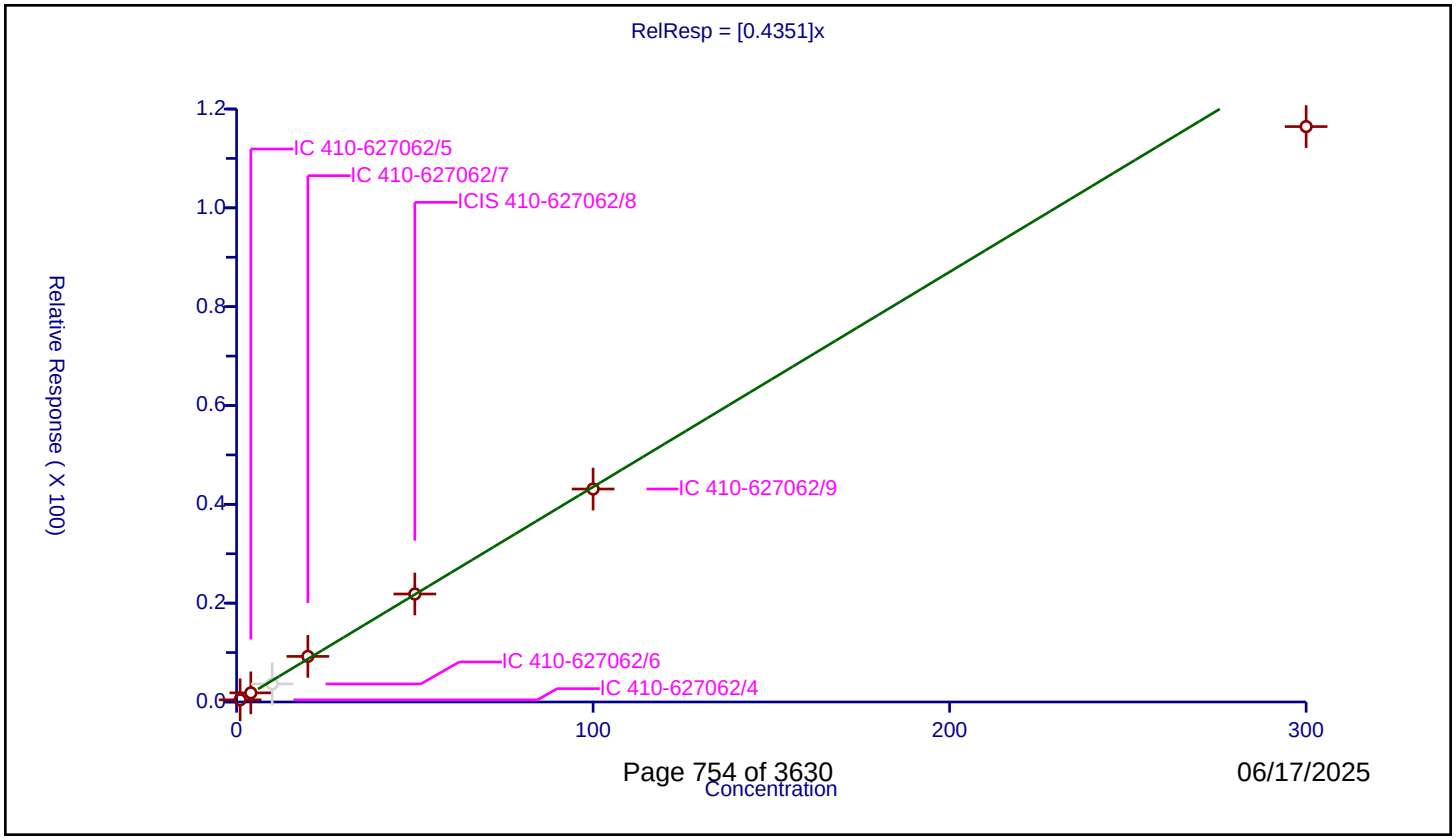
Curve Coefficients

Intercept:	0
Slope:	0.4351

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.431836	50.0	1194434.0	0.431836	Y
2	IC 410-627062/5	4.0	1.846611	50.0	1160856.0	0.461653	Y
3	IC 410-627062/6	10.0	3.654932	50.0	1192854.0	0.365493	N
4	IC 410-627062/7	20.0	9.223248	50.0	1250579.0	0.461162	Y
5	ICIS 410-627062/8	50.0	21.855634	50.0	1288050.0	0.437113	Y
6	IC 410-627062/9	100.0	43.09715	50.0	1374454.0	0.430971	Y
7	IC 410-627062/10	300.0	116.441976	50.0	1504366.0	0.38814	Y



Calibration / Tert-butyl ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

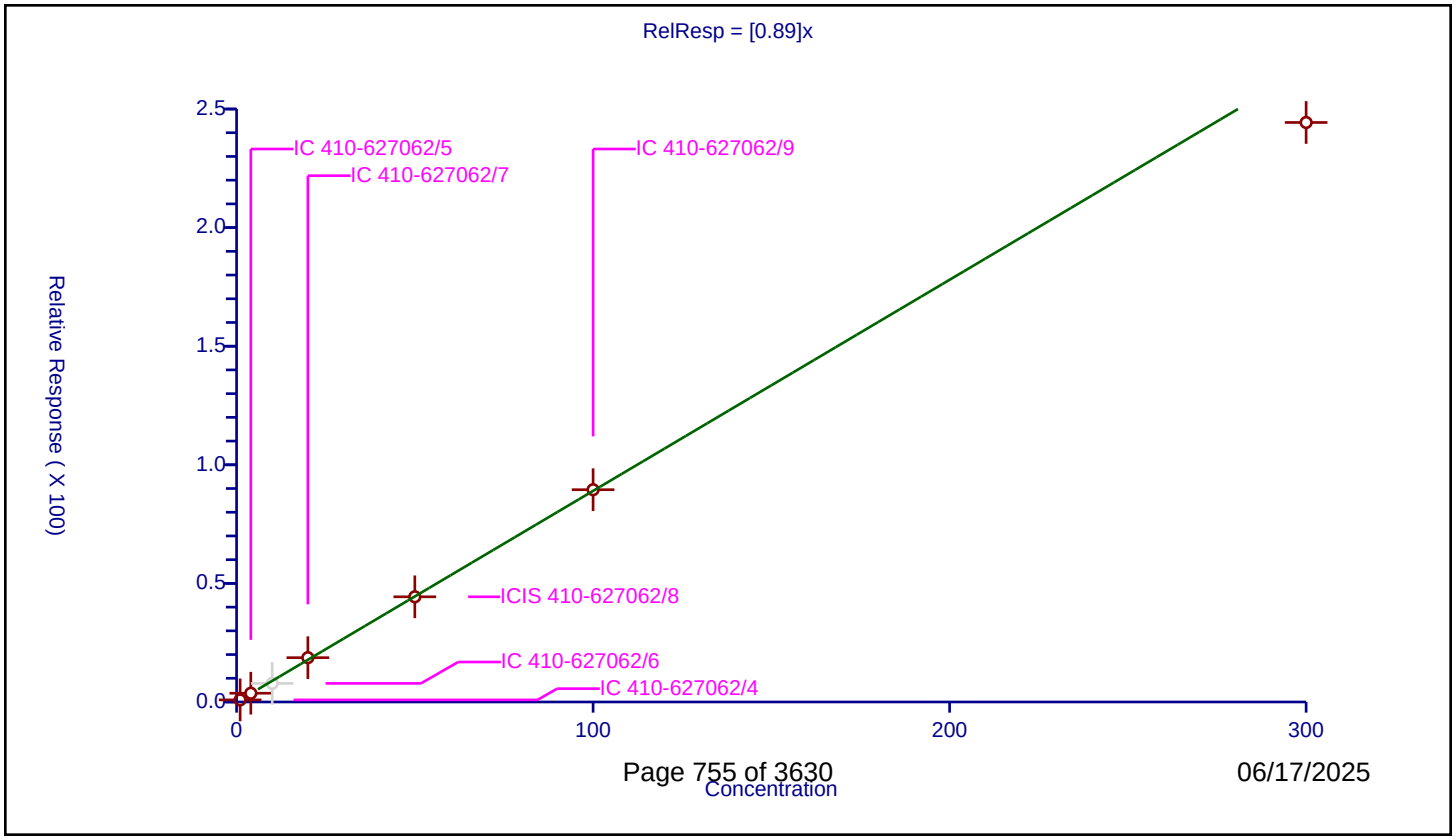
Curve Coefficients

Intercept:	0
Slope:	0.89

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.886026	50.0	1194434.0	0.886026	Y
2	IC 410-627062/5	4.0	3.696712	50.0	1160856.0	0.924178	Y
3	IC 410-627062/6	10.0	7.847063	50.0	1192854.0	0.784706	N
4	IC 410-627062/7	20.0	18.676029	50.0	1250579.0	0.933801	Y
5	ICIS 410-627062/8	50.0	44.34397	50.0	1288050.0	0.886879	Y
6	IC 410-627062/9	100.0	89.496447	50.0	1374454.0	0.894964	Y
7	IC 410-627062/10	300.0	244.317905	50.0	1504366.0	0.814393	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

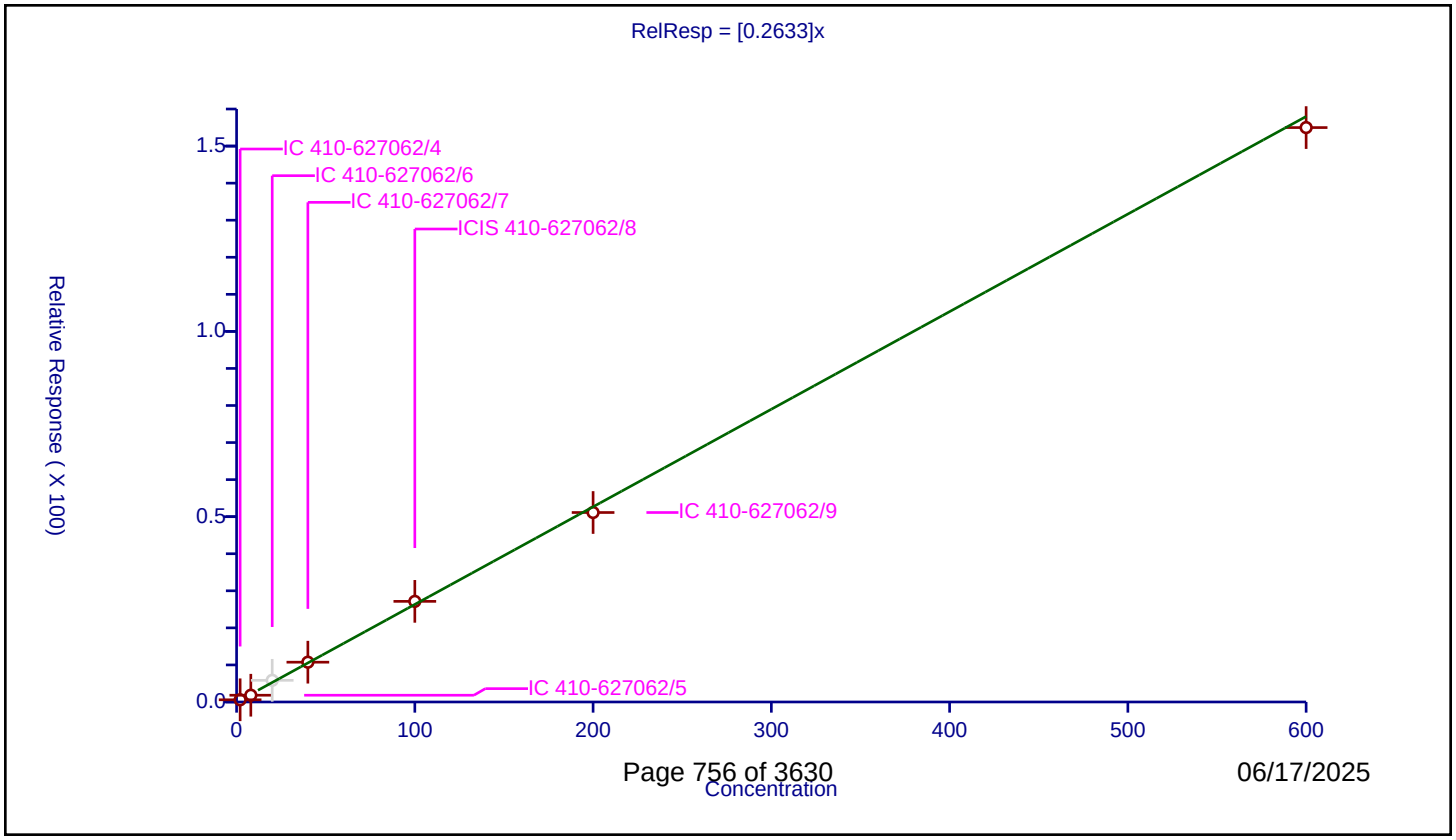
Curve Coefficients

Intercept:	0
Slope:	0.2633

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	2.0	0.595219	50.0	1194434.0	0.29761	Y
2	IC 410-627062/5	8.0	1.826712	50.0	1160856.0	0.228339	Y
3	IC 410-627062/6	20.0	5.848494	50.0	1192854.0	0.292425	N
4	IC 410-627062/7	40.0	10.737107	50.0	1250579.0	0.268428	Y
5	ICIS 410-627062/8	100.0	27.154575	50.0	1288050.0	0.271546	Y
6	IC 410-627062/9	200.0	51.124301	50.0	1374454.0	0.255622	Y
7	IC 410-627062/10	600.0	154.991372	50.0	1504366.0	0.258319	Y



06/17/2025

Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

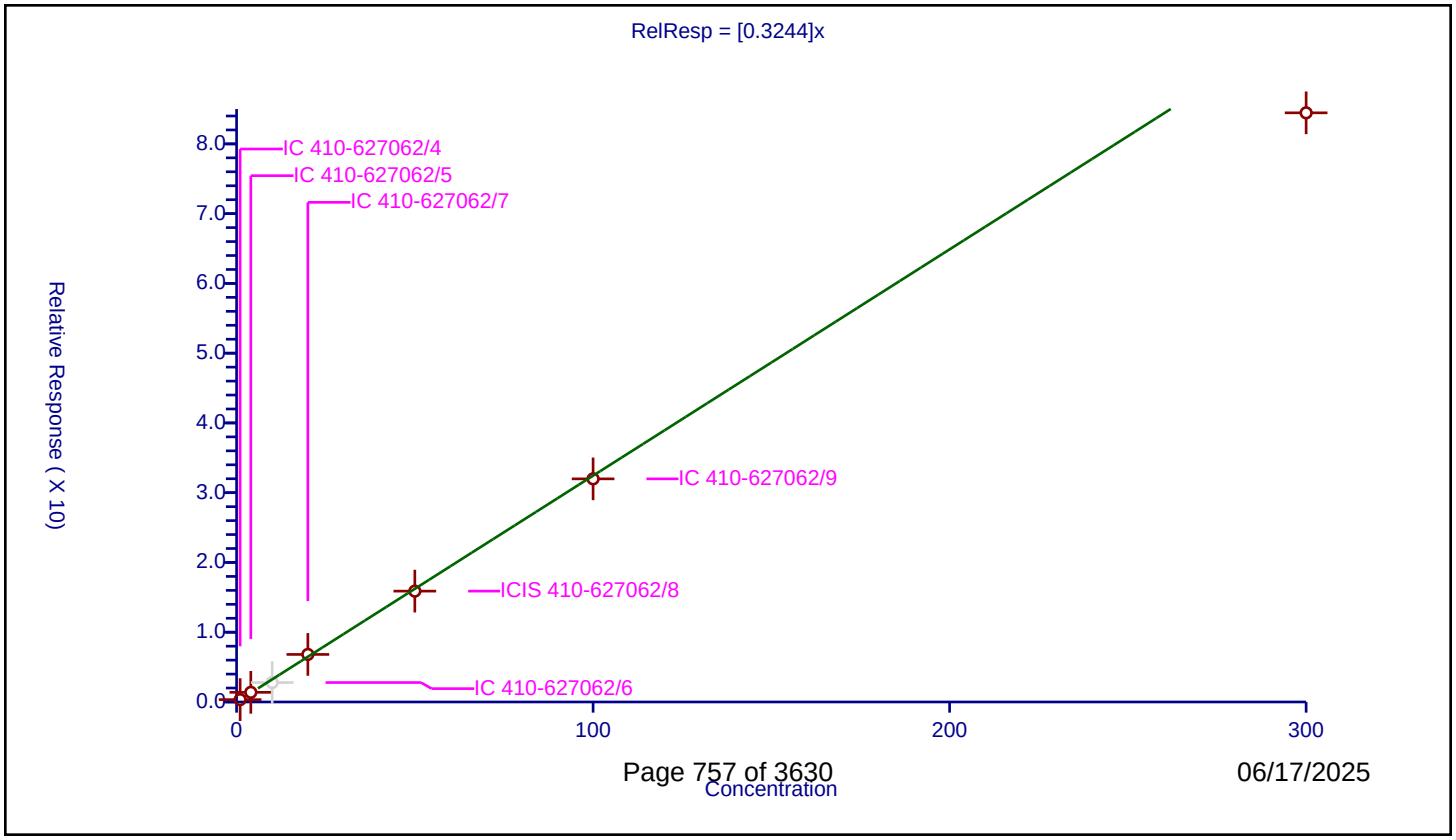
Curve Coefficients

Intercept:	0
Slope:	0.3244

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.340203	50.0	1194434.0	0.340203	Y
2	IC 410-627062/5	4.0	1.384108	50.0	1160856.0	0.346027	Y
3	IC 410-627062/6	10.0	2.788271	50.0	1192854.0	0.278827	N
4	IC 410-627062/7	20.0	6.818602	50.0	1250579.0	0.34093	Y
5	ICIS 410-627062/8	50.0	15.893211	50.0	1288050.0	0.317864	Y
6	IC 410-627062/9	100.0	31.986884	50.0	1374454.0	0.319869	Y
7	IC 410-627062/10	300.0	84.452288	50.0	1504366.0	0.281508	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

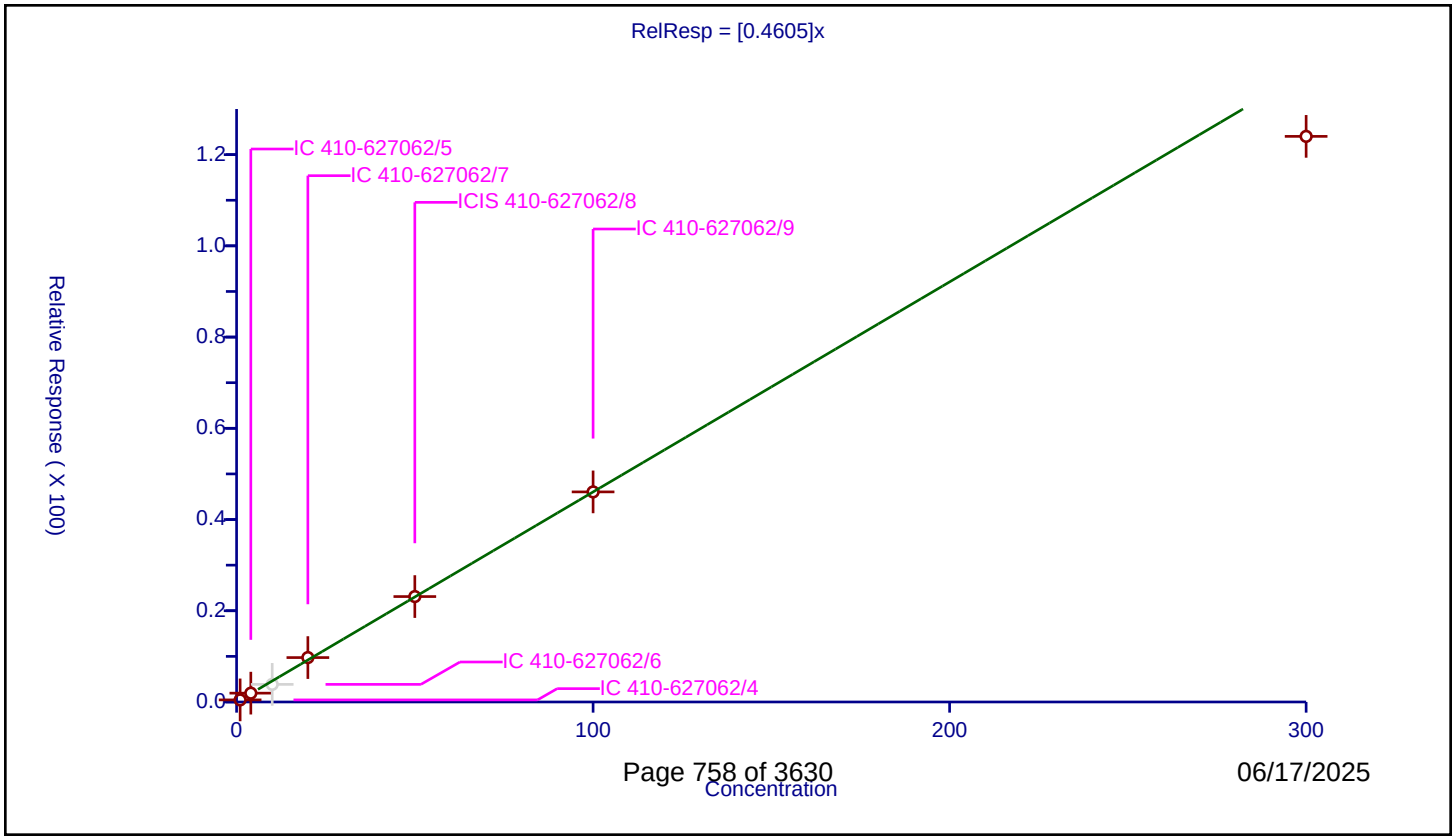
Curve Coefficients

Intercept:	0
Slope:	0.4605

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.456157	50.0	1194434.0	0.456157	Y
2	IC 410-627062/5	4.0	1.935727	50.0	1160856.0	0.483932	Y
3	IC 410-627062/6	10.0	3.858687	50.0	1192854.0	0.385869	N
4	IC 410-627062/7	20.0	9.734211	50.0	1250579.0	0.486711	Y
5	ICIS 410-627062/8	50.0	23.112729	50.0	1288050.0	0.462255	Y
6	IC 410-627062/9	100.0	46.056689	50.0	1374454.0	0.460567	Y
7	IC 410-627062/10	300.0	124.000509	50.0	1504366.0	0.413335	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

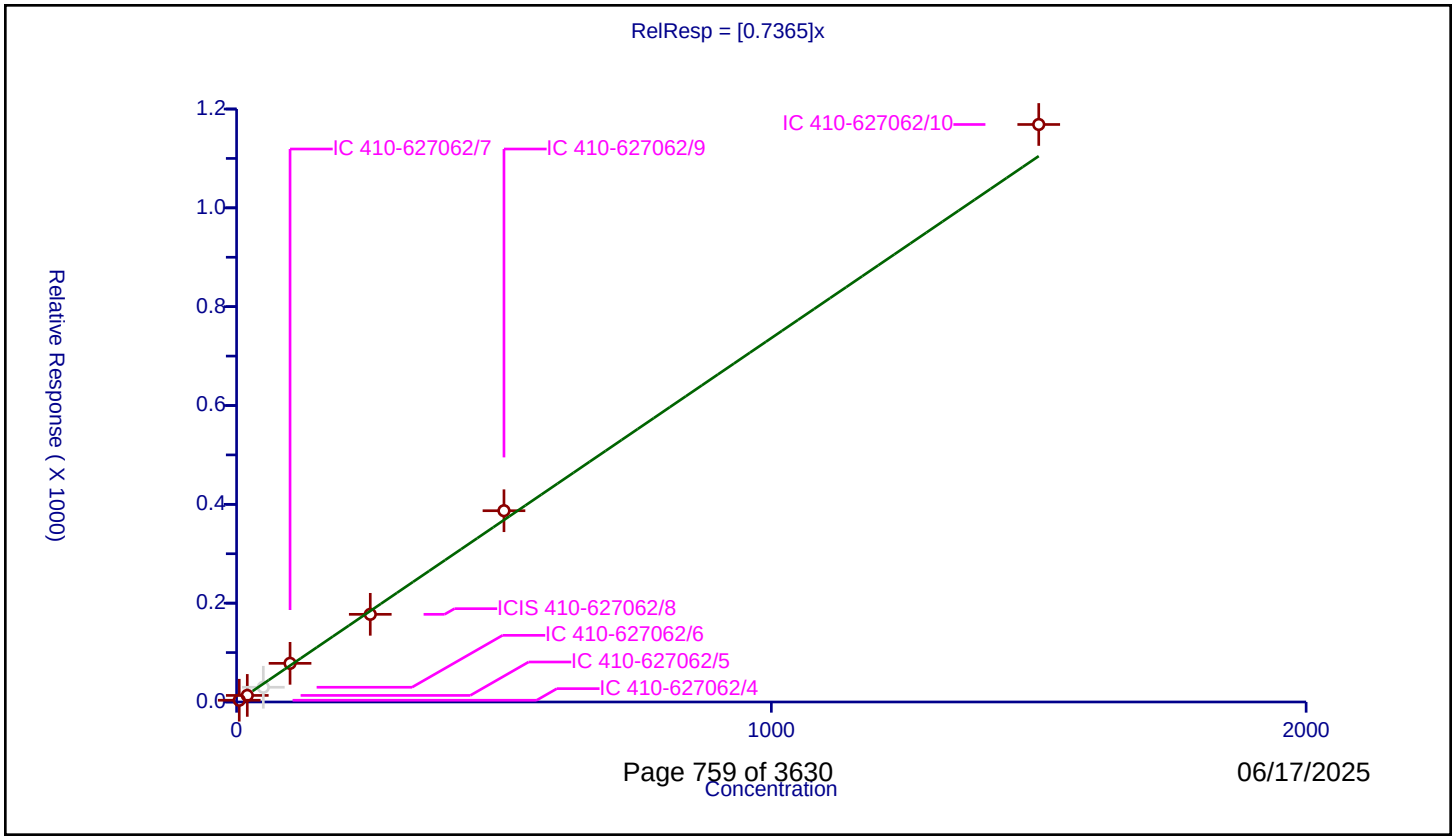
Curve Coefficients

Intercept:	0
Slope:	0.7365

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	5.0	3.539638	250.0	874595.0	0.707928	Y
2	IC 410-627062/5	20.0	13.319039	250.0	852295.0	0.665952	Y
3	IC 410-627062/6	50.0	29.794182	250.0	837051.0	0.595884	N
4	IC 410-627062/7	100.0	78.212281	250.0	774076.0	0.782123	Y
5	ICIS 410-627062/8	250.0	177.396051	250.0	857202.0	0.709584	Y
6	IC 410-627062/9	500.0	387.044754	250.0	853577.0	0.77409	Y
7	IC 410-627062/10	1500.0	1168.71349	250.0	864999.0	0.779142	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

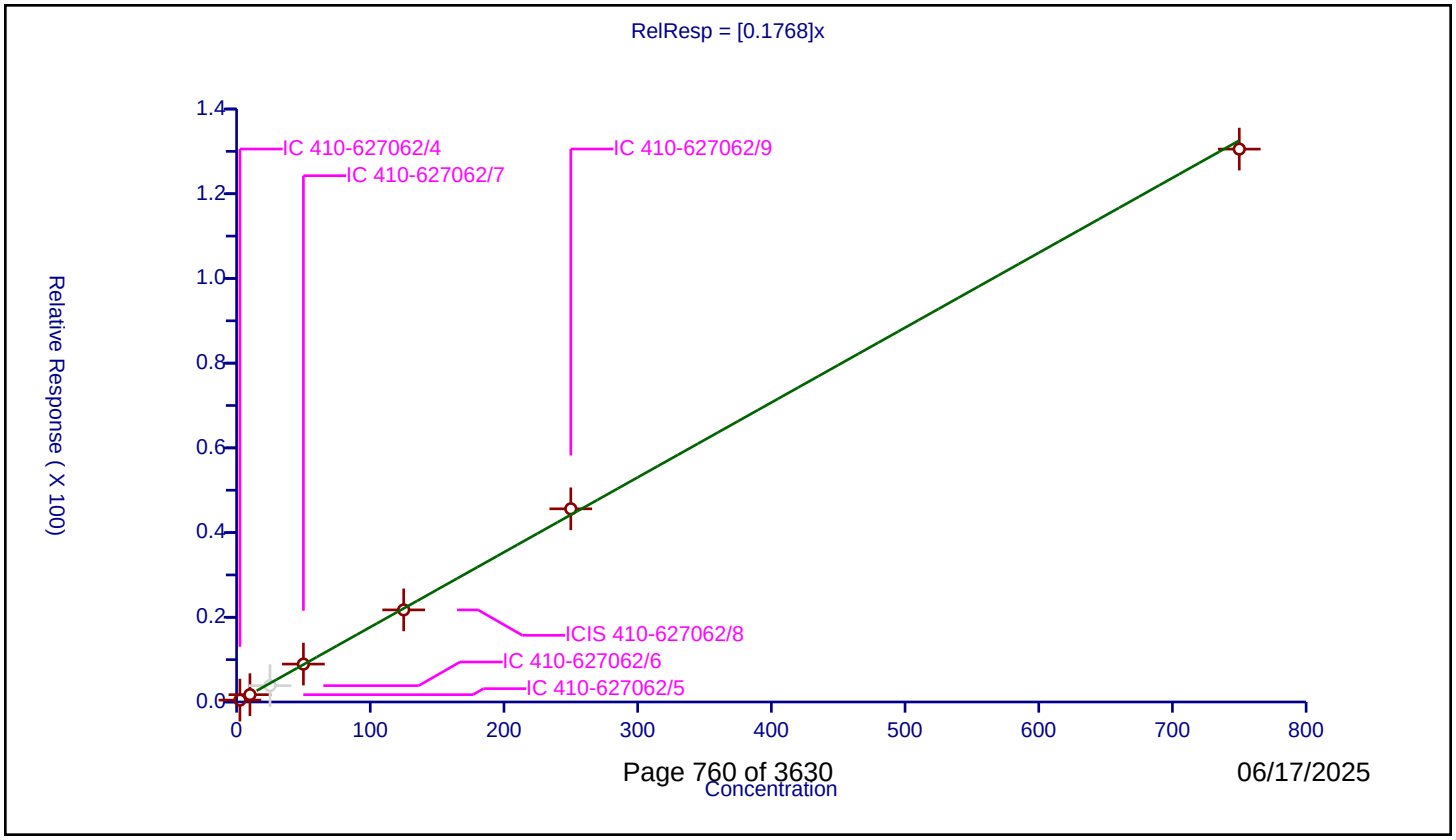
Curve Coefficients

Intercept:	0
Slope:	0.1768

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	2.5	0.446571	50.0	1194434.0	0.178629	Y
2	IC 410-627062/5	10.0	1.725451	50.0	1160856.0	0.172545	Y
3	IC 410-627062/6	25.0	3.85525	50.0	1192854.0	0.15421	N
4	IC 410-627062/7	50.0	8.947496	50.0	1250579.0	0.17895	Y
5	ICIS 410-627062/8	125.0	21.740499	50.0	1288050.0	0.173924	Y
6	IC 410-627062/9	250.0	45.603309	50.0	1374454.0	0.182413	Y
7	IC 410-627062/10	750.0	130.540241	50.0	1504366.0	0.174054	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

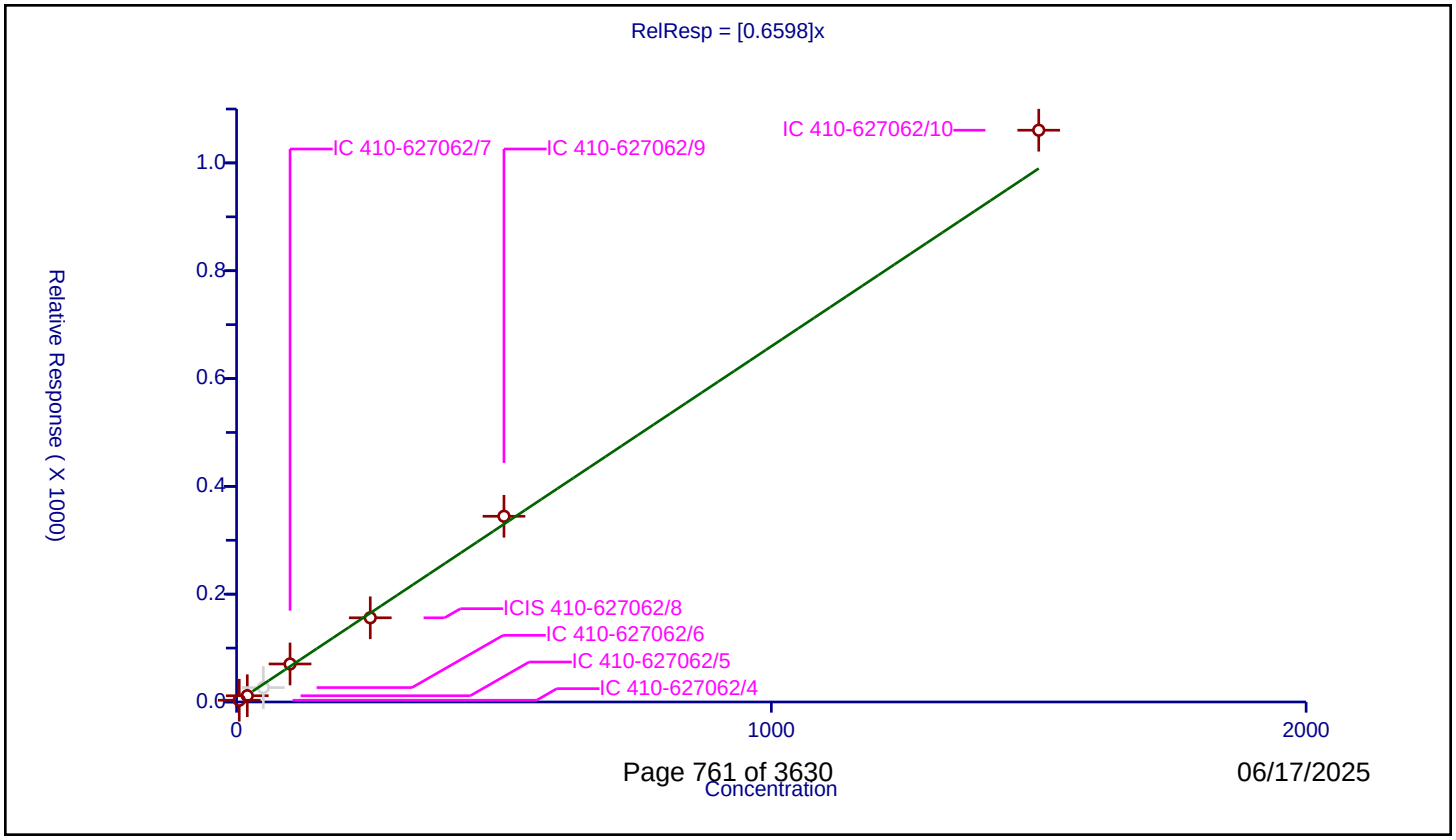
Curve Coefficients

Intercept:	0
Slope:	0.6598

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	5.0	3.259223	250.0	874595.0	0.651845	Y
2	IC 410-627062/5	20.0	11.61159	250.0	852295.0	0.580579	Y
3	IC 410-627062/6	50.0	26.714621	250.0	837051.0	0.534292	N
4	IC 410-627062/7	100.0	70.527636	250.0	774076.0	0.705276	Y
5	ICIS 410-627062/8	250.0	156.190431	250.0	857202.0	0.624762	Y
6	IC 410-627062/9	500.0	344.541559	250.0	853577.0	0.689083	Y
7	IC 410-627062/10	1500.0	1060.67666	250.0	864999.0	0.707118	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

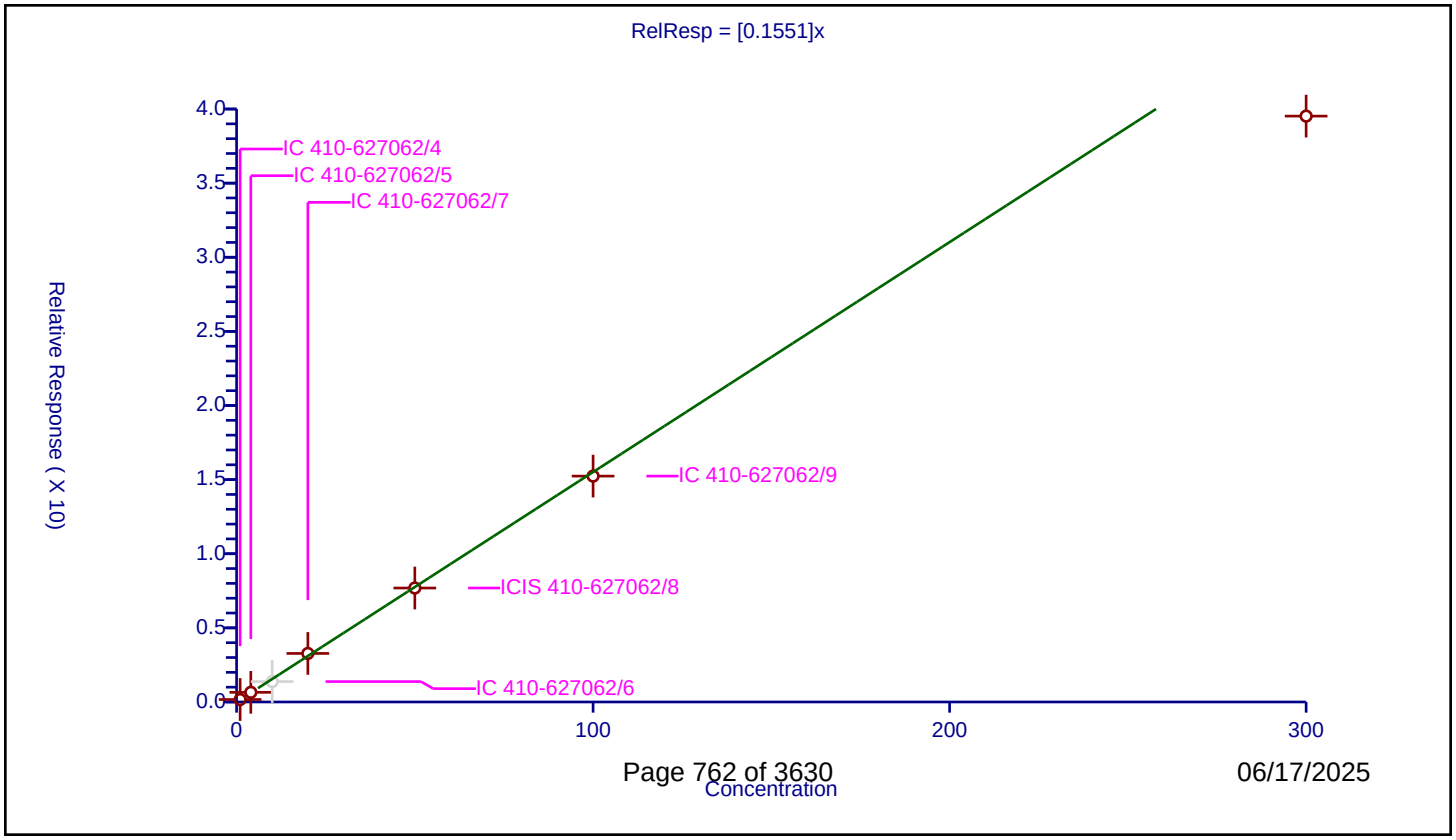
Curve Coefficients

Intercept:	0
Slope:	0.1551

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.165769	50.0	1194434.0	0.165769	Y
2	IC 410-627062/5	4.0	0.652837	50.0	1160856.0	0.163209	Y
3	IC 410-627062/6	10.0	1.37674	50.0	1192854.0	0.137674	N
4	IC 410-627062/7	20.0	3.274723	50.0	1250579.0	0.163736	Y
5	ICIS 410-627062/8	50.0	7.687706	50.0	1288050.0	0.153754	Y
6	IC 410-627062/9	100.0	15.237869	50.0	1374454.0	0.152379	Y
7	IC 410-627062/10	300.0	39.521666	50.0	1504366.0	0.131739	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

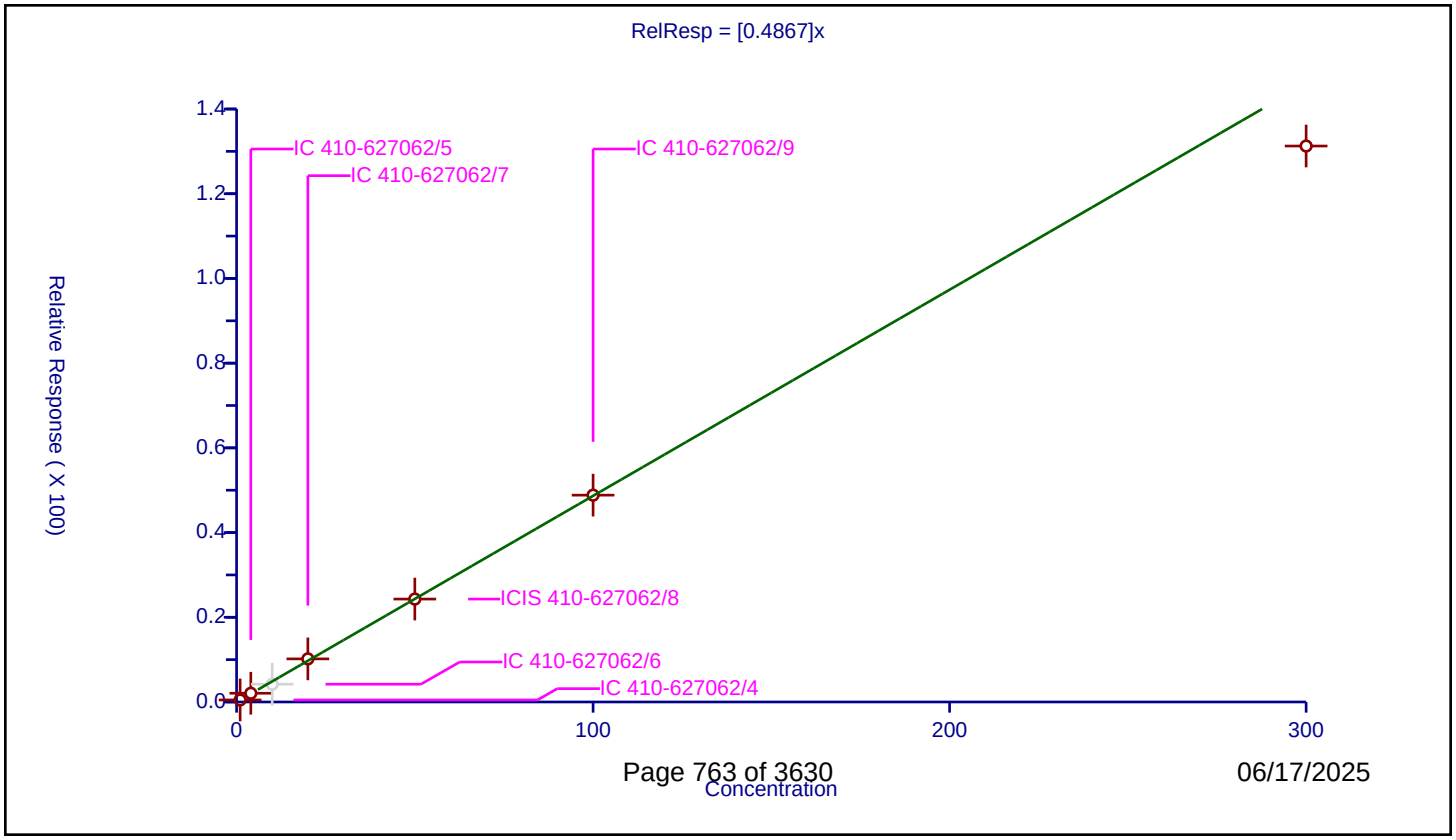
Curve Coefficients

Intercept:	0
Slope:	0.4867

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.484414	50.0	1194434.0	0.484414	Y
2	IC 410-627062/5	4.0	2.060333	50.0	1160856.0	0.515083	Y
3	IC 410-627062/6	10.0	4.194436	50.0	1192854.0	0.419444	N
4	IC 410-627062/7	20.0	10.176686	50.0	1250579.0	0.508834	Y
5	ICIS 410-627062/8	50.0	24.296766	50.0	1288050.0	0.485935	Y
6	IC 410-627062/9	100.0	48.832445	50.0	1374454.0	0.488324	Y
7	IC 410-627062/10	300.0	131.259647	50.0	1504366.0	0.437532	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

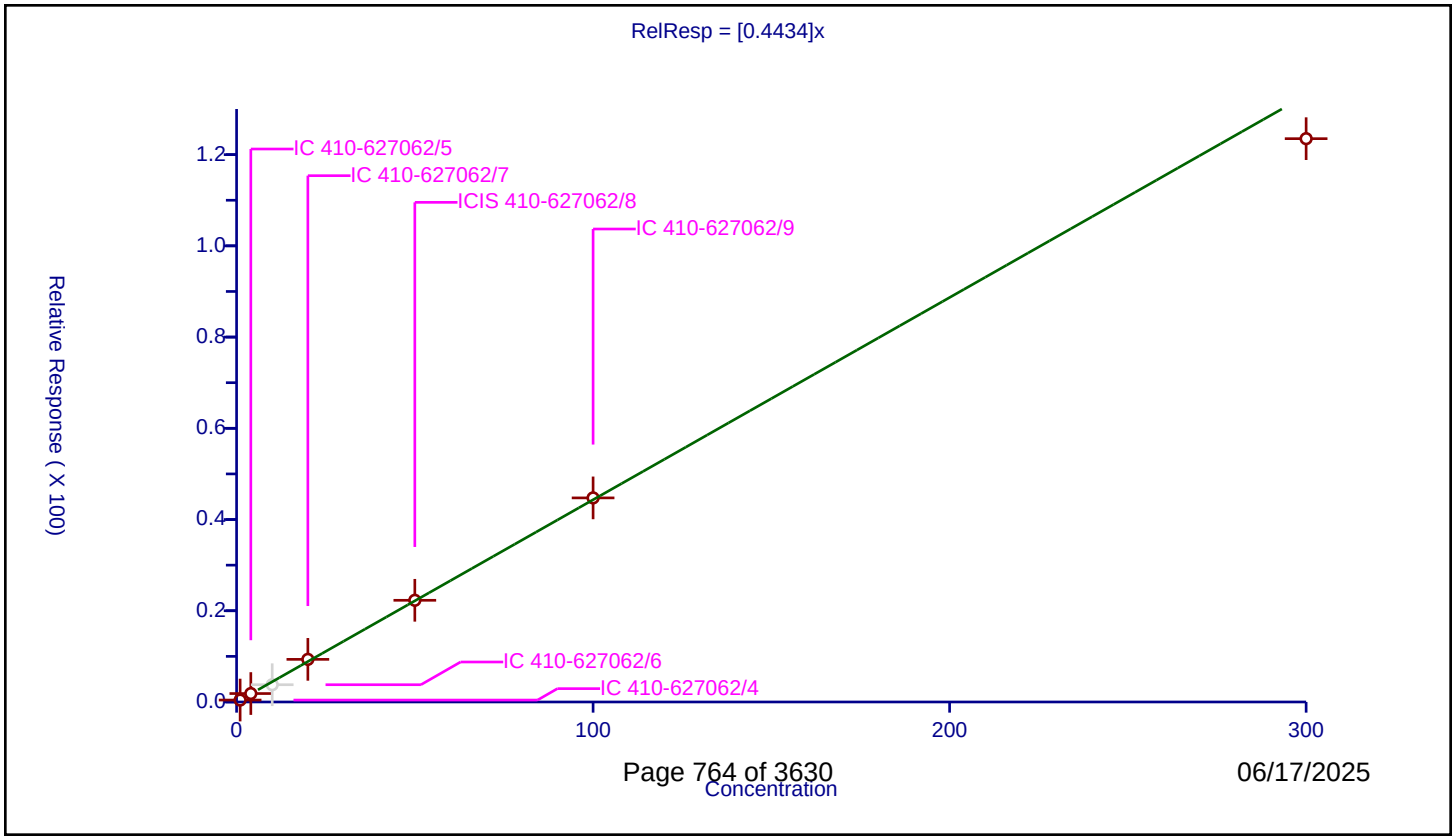
Curve Coefficients

Intercept:	0
Slope:	0.4434

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.425473	50.0	1194434.0	0.425473	Y
2	IC 410-627062/5	4.0	1.850445	50.0	1160856.0	0.462611	Y
3	IC 410-627062/6	10.0	3.783908	50.0	1192854.0	0.378391	N
4	IC 410-627062/7	20.0	9.344592	50.0	1250579.0	0.46723	Y
5	ICIS 410-627062/8	50.0	22.294748	50.0	1288050.0	0.445895	Y
6	IC 410-627062/9	100.0	44.743331	50.0	1374454.0	0.447433	Y
7	IC 410-627062/10	300.0	123.499434	50.0	1504366.0	0.411665	Y



06/17/2025

Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

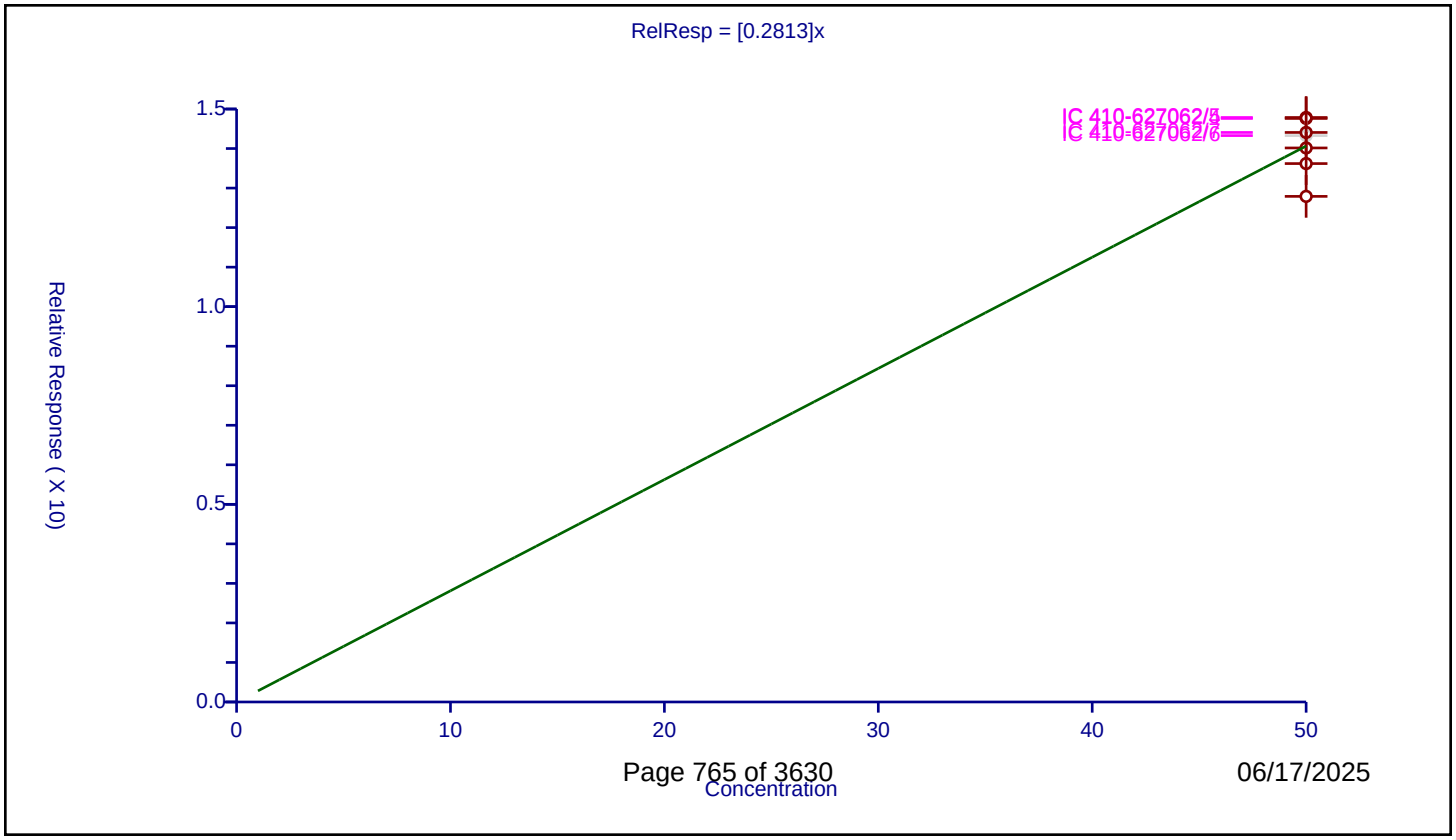
Curve Coefficients

Intercept:	0
Slope:	0.2813

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	50.0	14.76151	50.0	1194434.0	0.29523	Y
2	IC 410-627062/5	50.0	14.785426	50.0	1160856.0	0.295709	Y
3	IC 410-627062/6	50.0	14.327152	50.0	1192854.0	0.286543	N
4	IC 410-627062/7	50.0	14.406807	50.0	1250579.0	0.288136	Y
5	ICIS 410-627062/8	50.0	14.015062	50.0	1288050.0	0.280301	Y
6	IC 410-627062/9	50.0	13.61959	50.0	1374454.0	0.272392	Y
7	IC 410-627062/10	50.0	12.789973	50.0	1504366.0	0.255799	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

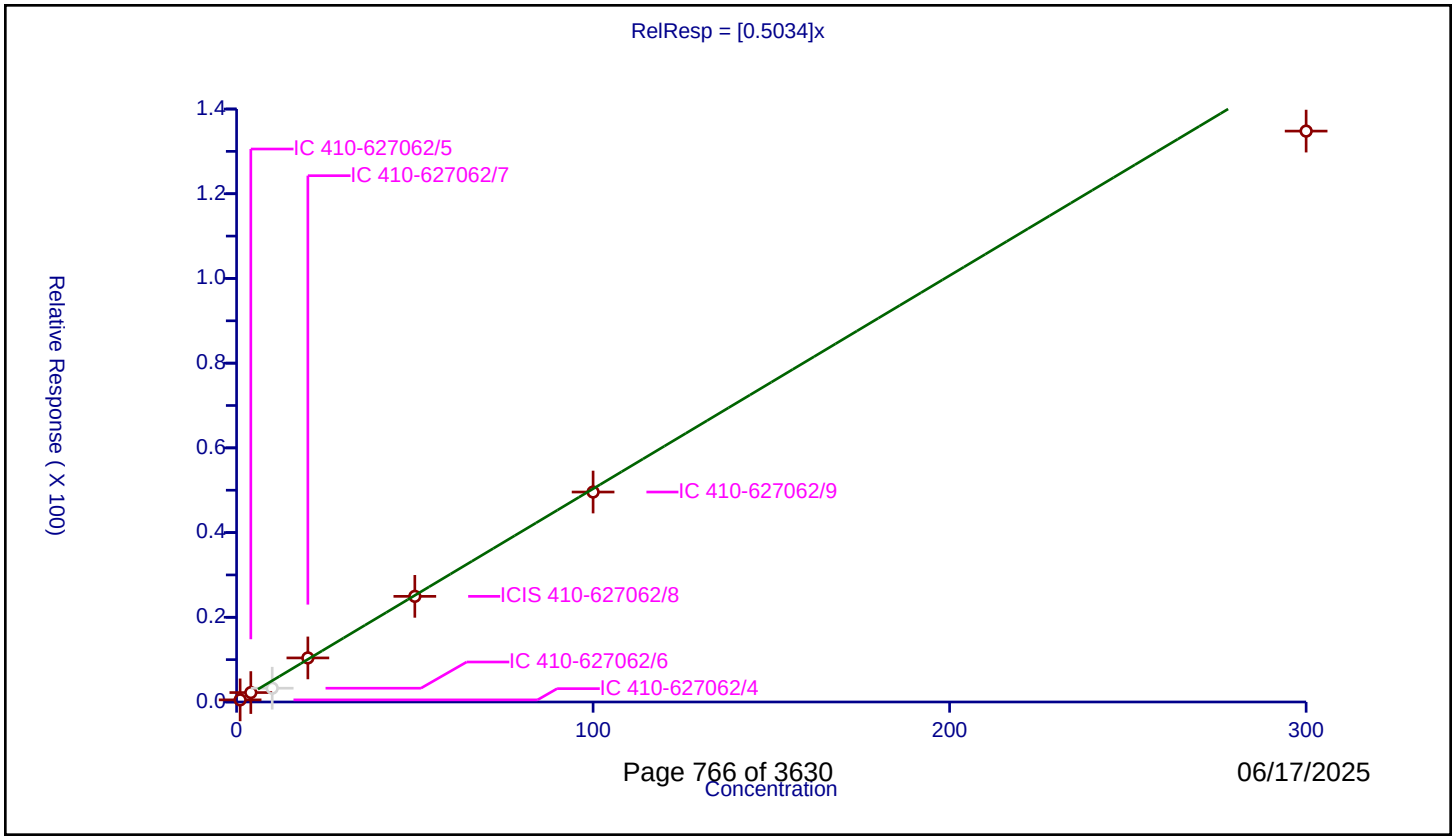
Curve Coefficients

Intercept:	0
Slope:	0.5034

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.499525	50.0	1194434.0	0.499525	Y
2	IC 410-627062/5	4.0	2.226202	50.0	1160856.0	0.556551	Y
3	IC 410-627062/6	10.0	3.254631	50.0	1192854.0	0.325463	N
4	IC 410-627062/7	20.0	10.407139	50.0	1250579.0	0.520357	Y
5	ICIS 410-627062/8	50.0	24.938589	50.0	1288050.0	0.498772	Y
6	IC 410-627062/9	100.0	49.569684	50.0	1374454.0	0.495697	Y
7	IC 410-627062/10	300.0	134.785218	50.0	1504366.0	0.449284	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

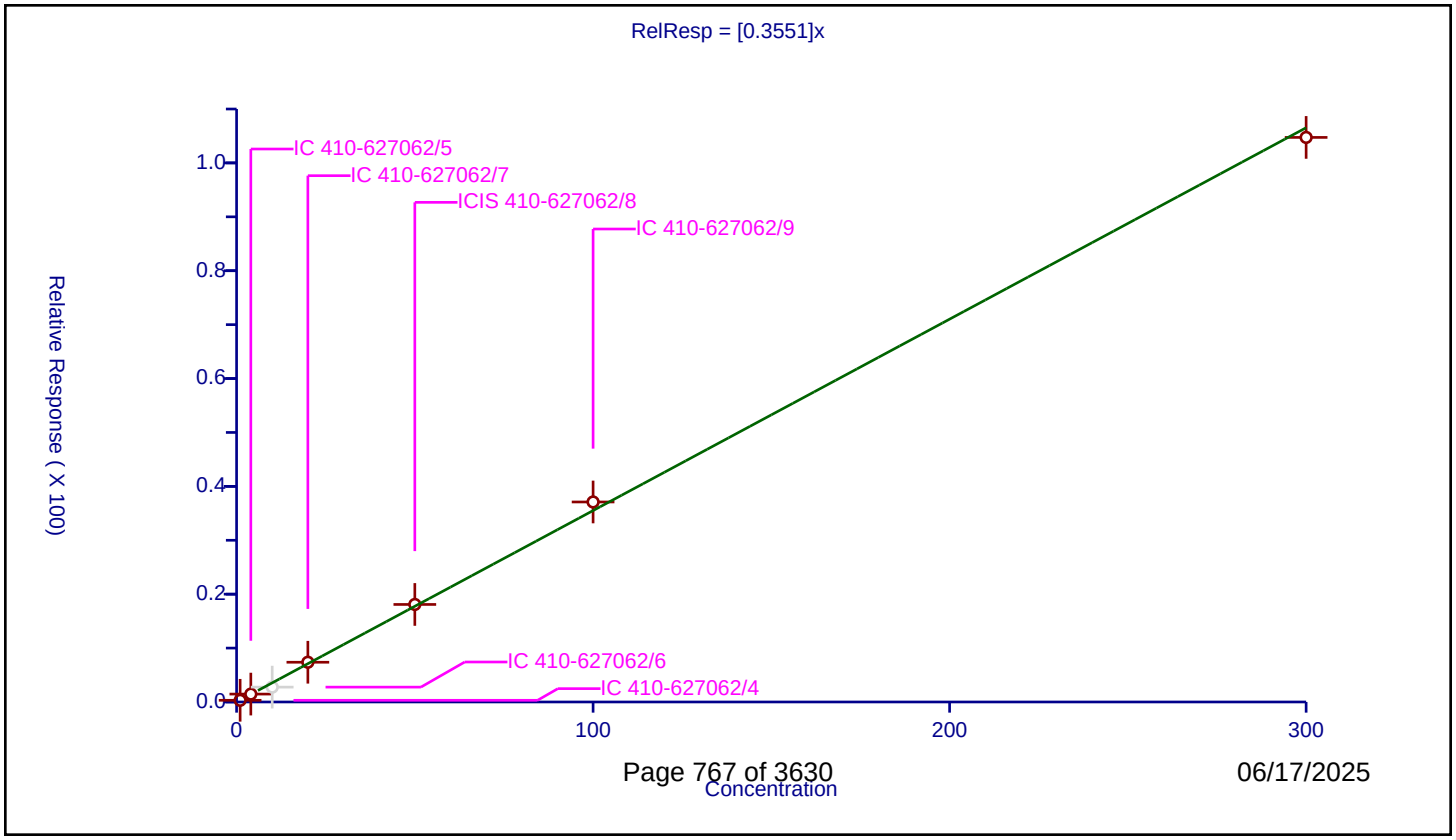
Curve Coefficients

Intercept:	0
Slope:	0.3551

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.313286	50.0	1194434.0	0.313286	Y
2	IC 410-627062/5	4.0	1.465815	50.0	1160856.0	0.366454	Y
3	IC 410-627062/6	10.0	2.756792	50.0	1192854.0	0.275679	N
4	IC 410-627062/7	20.0	7.374864	50.0	1250579.0	0.368743	Y
5	ICIS 410-627062/8	50.0	18.095144	50.0	1288050.0	0.361903	Y
6	IC 410-627062/9	100.0	37.102042	50.0	1374454.0	0.37102	Y
7	IC 410-627062/10	300.0	104.730897	50.0	1504366.0	0.349103	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

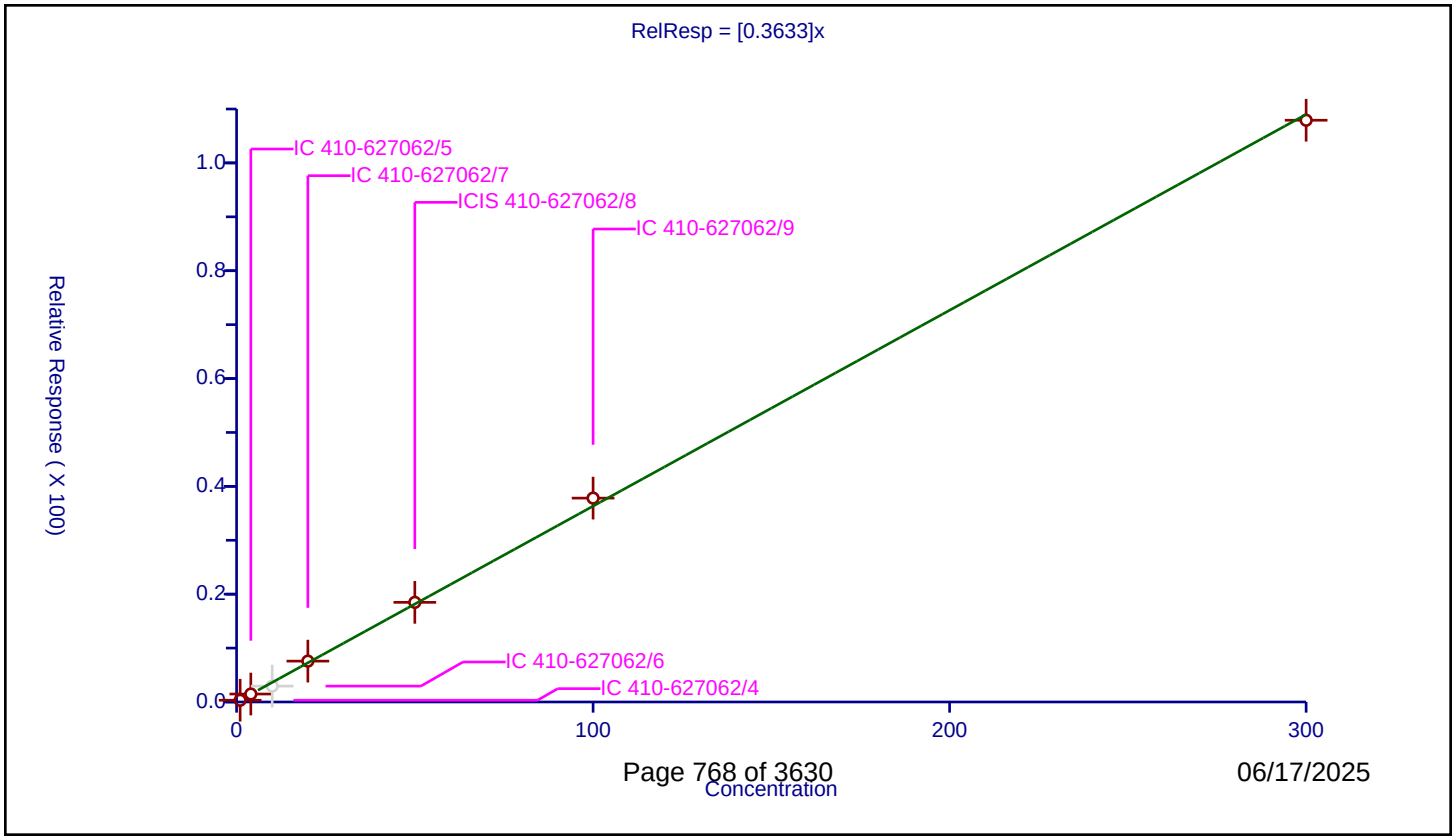
Curve Coefficients

Intercept:	0
Slope:	0.3633

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.323542	50.0	1194434.0	0.323542	Y
2	IC 410-627062/5	4.0	1.478866	50.0	1160856.0	0.369716	Y
3	IC 410-627062/6	10.0	2.947427	50.0	1192854.0	0.294743	N
4	IC 410-627062/7	20.0	7.583367	50.0	1250579.0	0.379168	Y
5	ICIS 410-627062/8	50.0	18.481775	50.0	1288050.0	0.369635	Y
6	IC 410-627062/9	100.0	37.822983	50.0	1374454.0	0.37823	Y
7	IC 410-627062/10	300.0	107.91576	50.0	1504366.0	0.359719	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

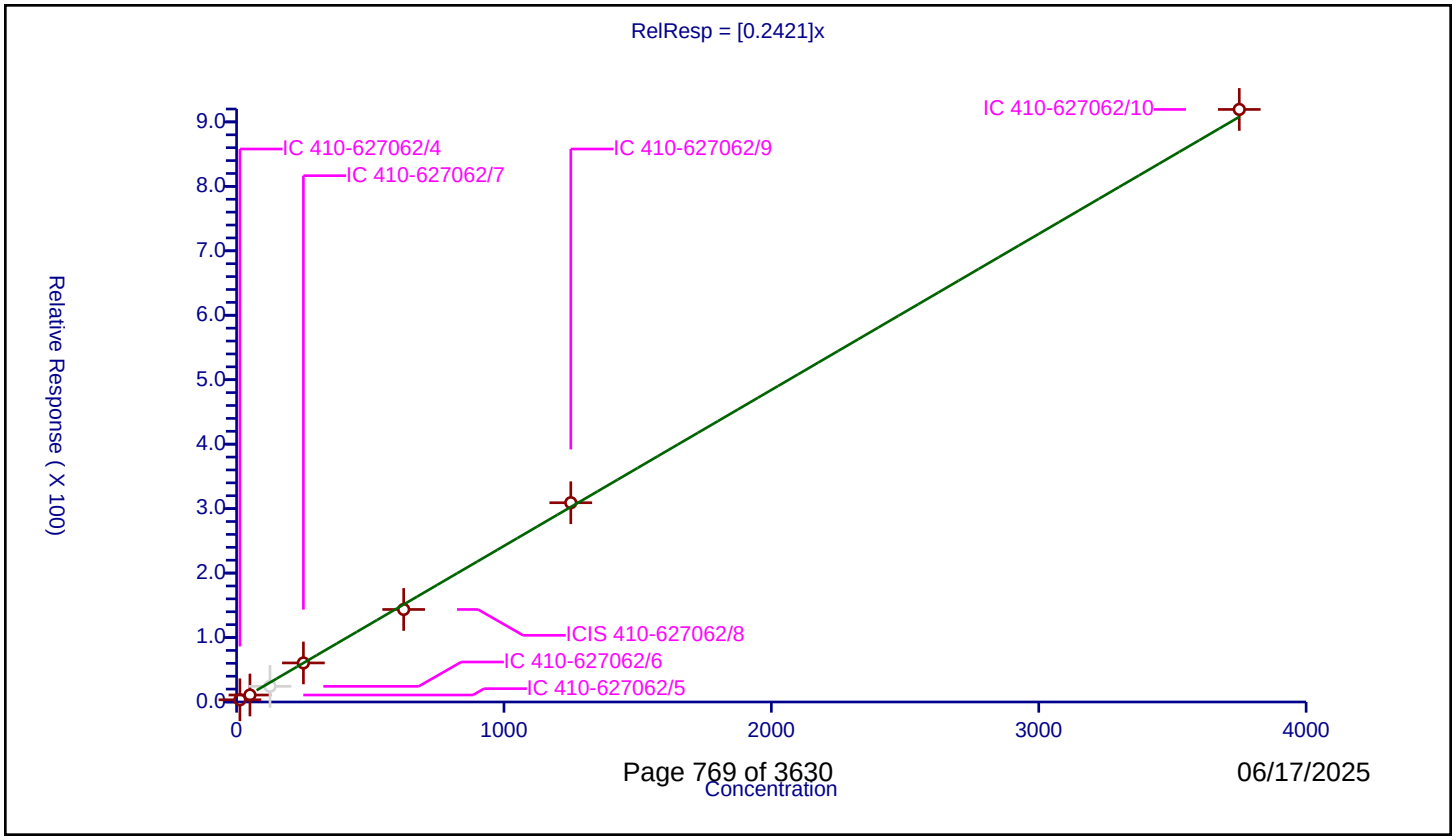
Curve Coefficients

Intercept:	0
Slope:	0.2421

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	12.5	3.395286	250.0	874595.0	0.271623	Y
2	IC 410-627062/5	50.0	10.817557	250.0	852295.0	0.216351	Y
3	IC 410-627062/6	125.0	24.253301	250.0	837051.0	0.194026	N
4	IC 410-627062/7	250.0	60.572541	250.0	774076.0	0.24229	Y
5	ICIS 410-627062/8	625.0	143.563011	250.0	857202.0	0.229701	Y
6	IC 410-627062/9	1250.0	309.155765	250.0	853577.0	0.247325	Y
7	IC 410-627062/10	3750.0	919.31956	250.0	864999.0	0.245152	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

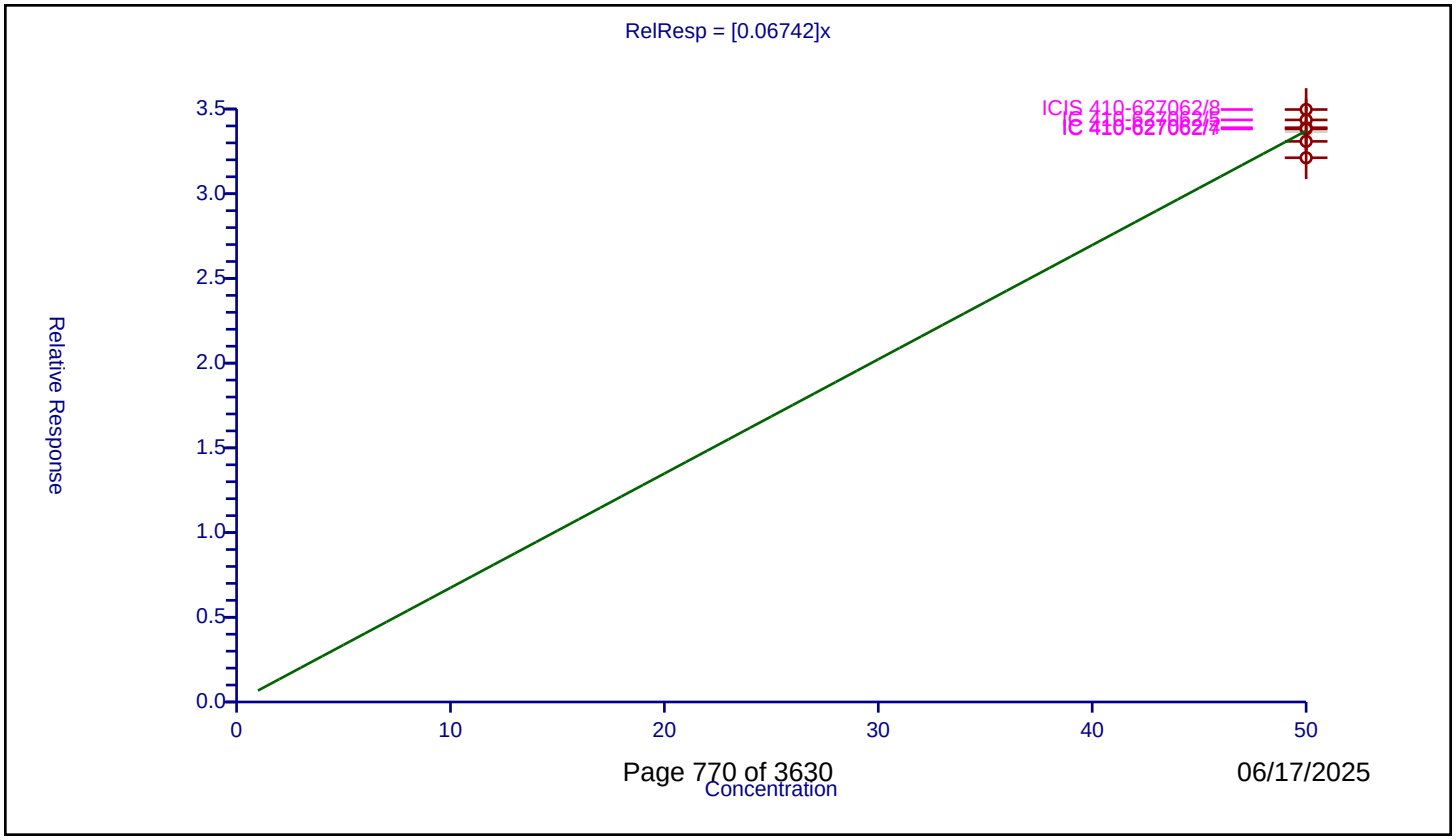
Curve Coefficients

Intercept:	0
Slope:	0.06742

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	50.0	3.389597	50.0	1194434.0	0.067792	Y
2	IC 410-627062/5	50.0	3.435654	50.0	1160856.0	0.068713	Y
3	IC 410-627062/6	50.0	3.366464	50.0	1192854.0	0.067329	N
4	IC 410-627062/7	50.0	3.382673	50.0	1250579.0	0.067653	Y
5	ICIS 410-627062/8	50.0	3.496953	50.0	1288050.0	0.069939	Y
6	IC 410-627062/9	50.0	3.30895	50.0	1374454.0	0.066179	Y
7	IC 410-627062/10	50.0	3.212283	50.0	1504366.0	0.064246	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

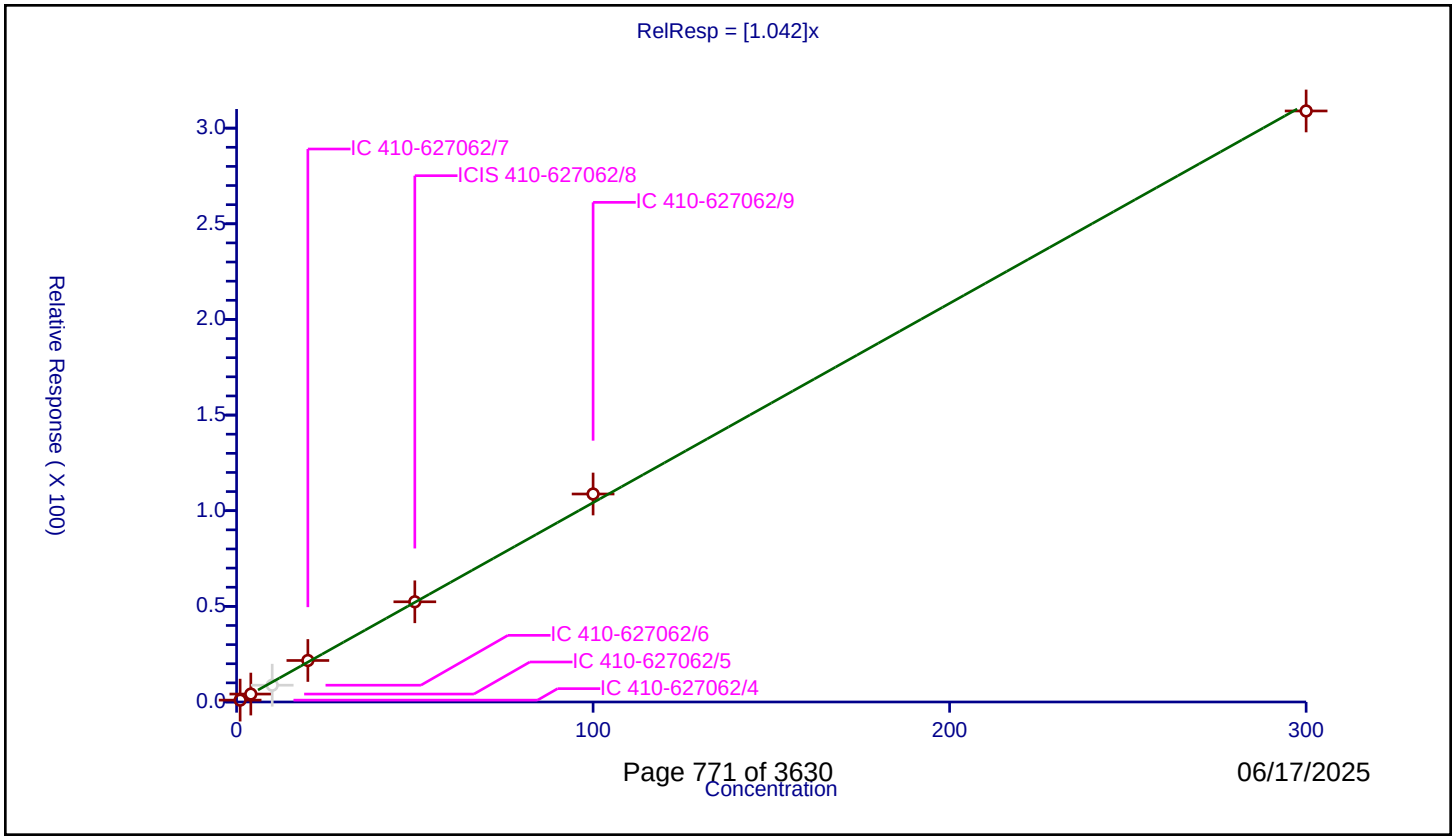
Curve Coefficients

Intercept:	0
Slope:	1.042

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.966567	50.0	1194434.0	0.966567	Y
2	IC 410-627062/5	4.0	4.144356	50.0	1160856.0	1.036089	Y
3	IC 410-627062/6	10.0	8.771694	50.0	1192854.0	0.877169	N
4	IC 410-627062/7	20.0	21.693272	50.0	1250579.0	1.084664	Y
5	ICIS 410-627062/8	50.0	52.37945	50.0	1288050.0	1.047589	Y
6	IC 410-627062/9	100.0	108.736305	50.0	1374454.0	1.087363	Y
7	IC 410-627062/10	300.0	308.988803	50.0	1504366.0	1.029963	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

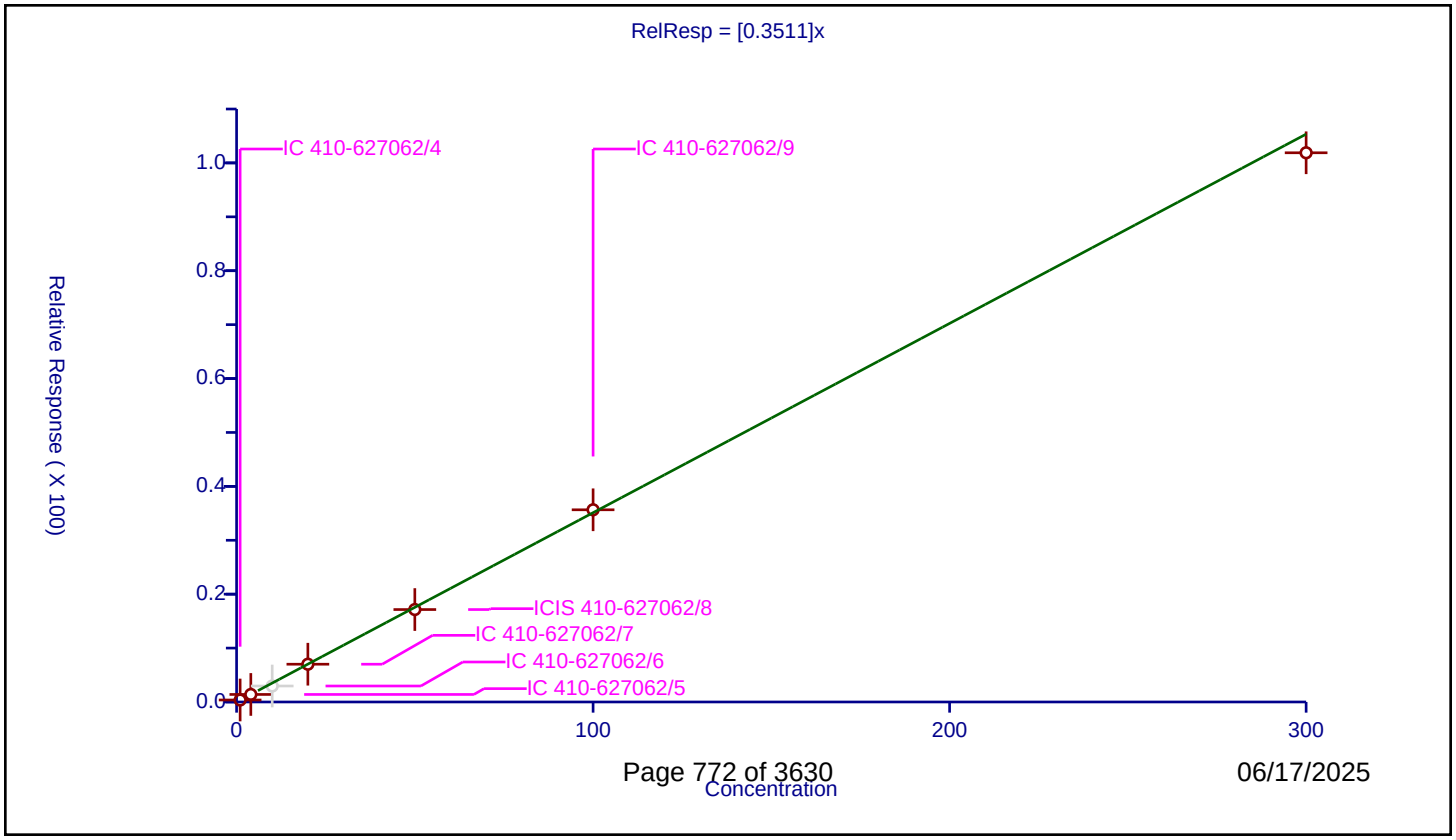
Curve Coefficients

Intercept:	0
Slope:	0.3511

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.368417	50.0	1194434.0	0.368417	Y
2	IC 410-627062/5	4.0	1.395479	50.0	1160856.0	0.34887	Y
3	IC 410-627062/6	10.0	2.963732	50.0	1192854.0	0.296373	N
4	IC 410-627062/7	20.0	7.008074	50.0	1250579.0	0.350404	Y
5	ICIS 410-627062/8	50.0	17.147083	50.0	1288050.0	0.342942	Y
6	IC 410-627062/9	100.0	35.656231	50.0	1374454.0	0.356562	Y
7	IC 410-627062/10	300.0	101.883484	50.0	1504366.0	0.339612	Y



Calibration / Tert-amyl methyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

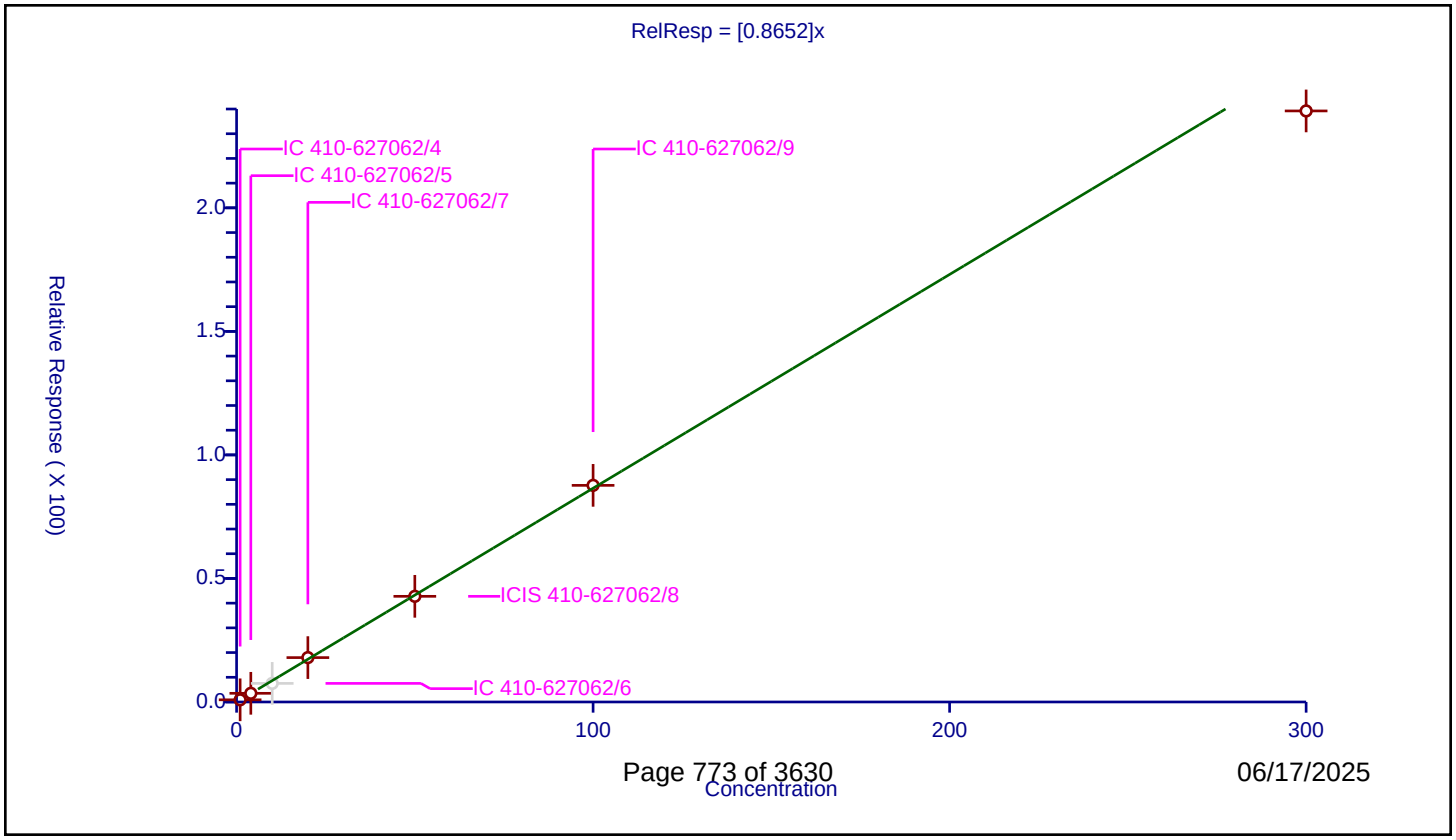
Curve Coefficients

Intercept:	0
Slope:	0.8652

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.88385	50.0	1194434.0	0.88385	Y
2	IC 410-627062/5	4.0	3.517361	50.0	1160856.0	0.87934	Y
3	IC 410-627062/6	10.0	7.528122	50.0	1192854.0	0.752812	N
4	IC 410-627062/7	20.0	17.970036	50.0	1250579.0	0.898502	Y
5	ICIS 410-627062/8	50.0	42.766935	50.0	1288050.0	0.855339	Y
6	IC 410-627062/9	100.0	87.680017	50.0	1374454.0	0.8768	Y
7	IC 410-627062/10	300.0	239.219479	50.0	1504366.0	0.797398	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

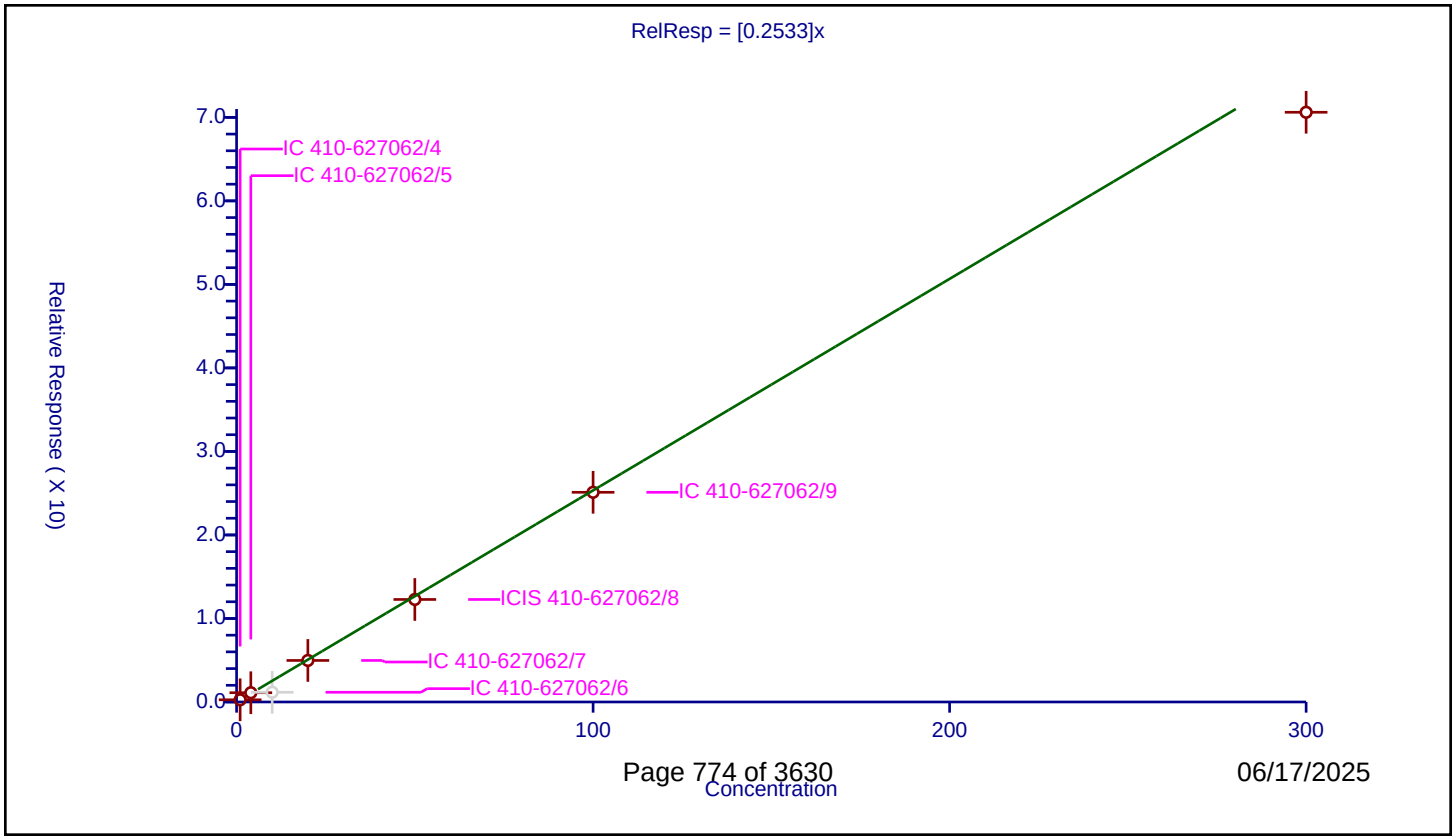
Curve Coefficients

Intercept:	0
Slope:	0.2533

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.2623	50.0	1194434.0	0.2623	Y
2	IC 410-627062/5	4.0	1.108191	50.0	1160856.0	0.277048	Y
3	IC 410-627062/6	10.0	1.162716	50.0	1192854.0	0.116272	N
4	IC 410-627062/7	20.0	4.972177	50.0	1250579.0	0.248609	Y
5	ICIS 410-627062/8	50.0	12.274951	50.0	1288050.0	0.245499	Y
6	IC 410-627062/9	100.0	25.107643	50.0	1374454.0	0.251076	Y
7	IC 410-627062/10	300.0	70.609712	50.0	1504366.0	0.235366	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

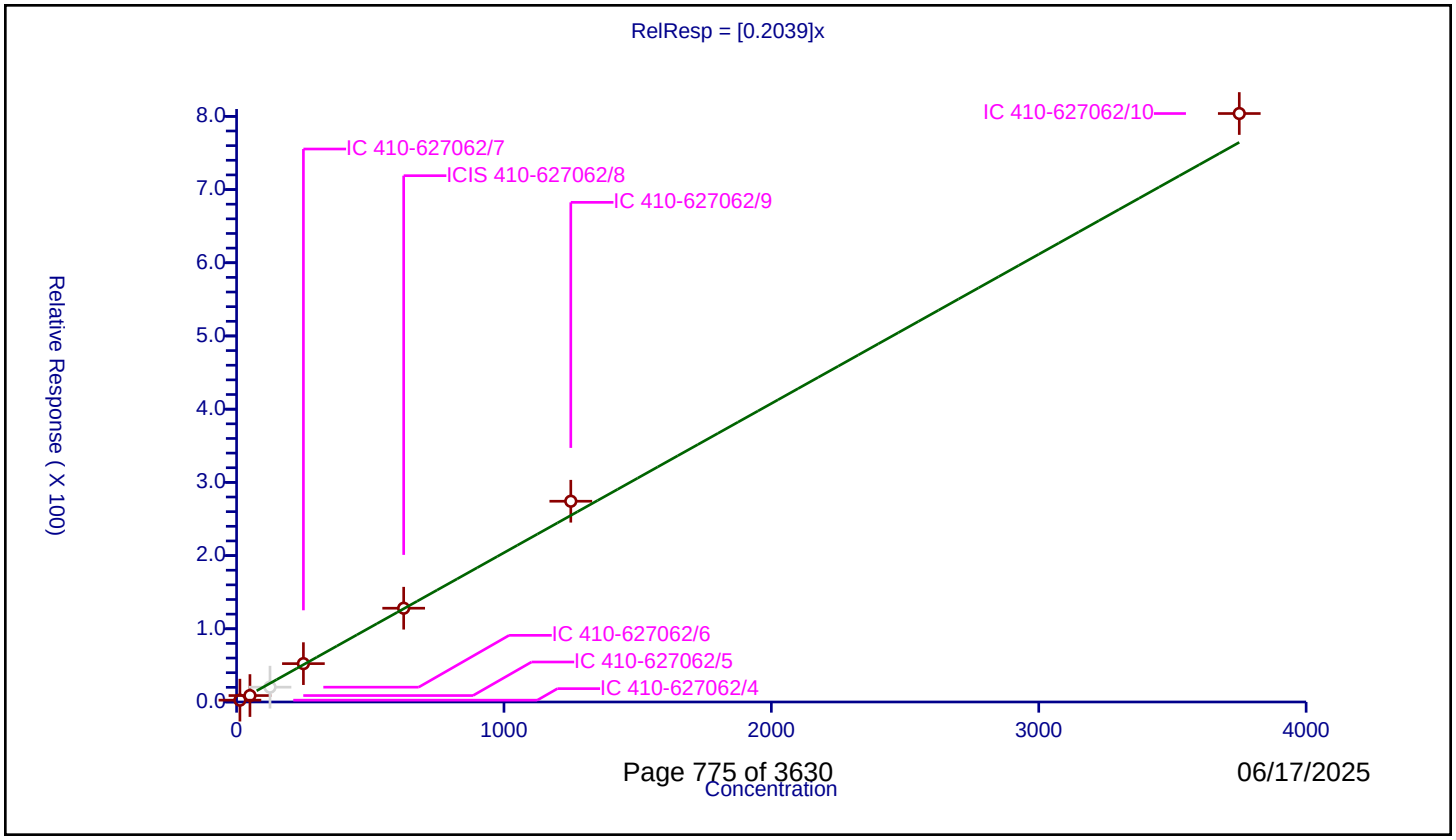
Curve Coefficients

Intercept:	0
Slope:	0.2039

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	12.5	2.487723	250.0	874595.0	0.199018	Y
2	IC 410-627062/5	50.0	8.788917	250.0	852295.0	0.175778	Y
3	IC 410-627062/6	125.0	20.223678	250.0	837051.0	0.161789	N
4	IC 410-627062/7	250.0	52.417334	250.0	774076.0	0.209669	Y
5	ICIS 410-627062/8	625.0	128.077454	250.0	857202.0	0.204924	Y
6	IC 410-627062/9	1250.0	274.238294	250.0	853577.0	0.219391	Y
7	IC 410-627062/10	3750.0	803.844571	250.0	864999.0	0.214359	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

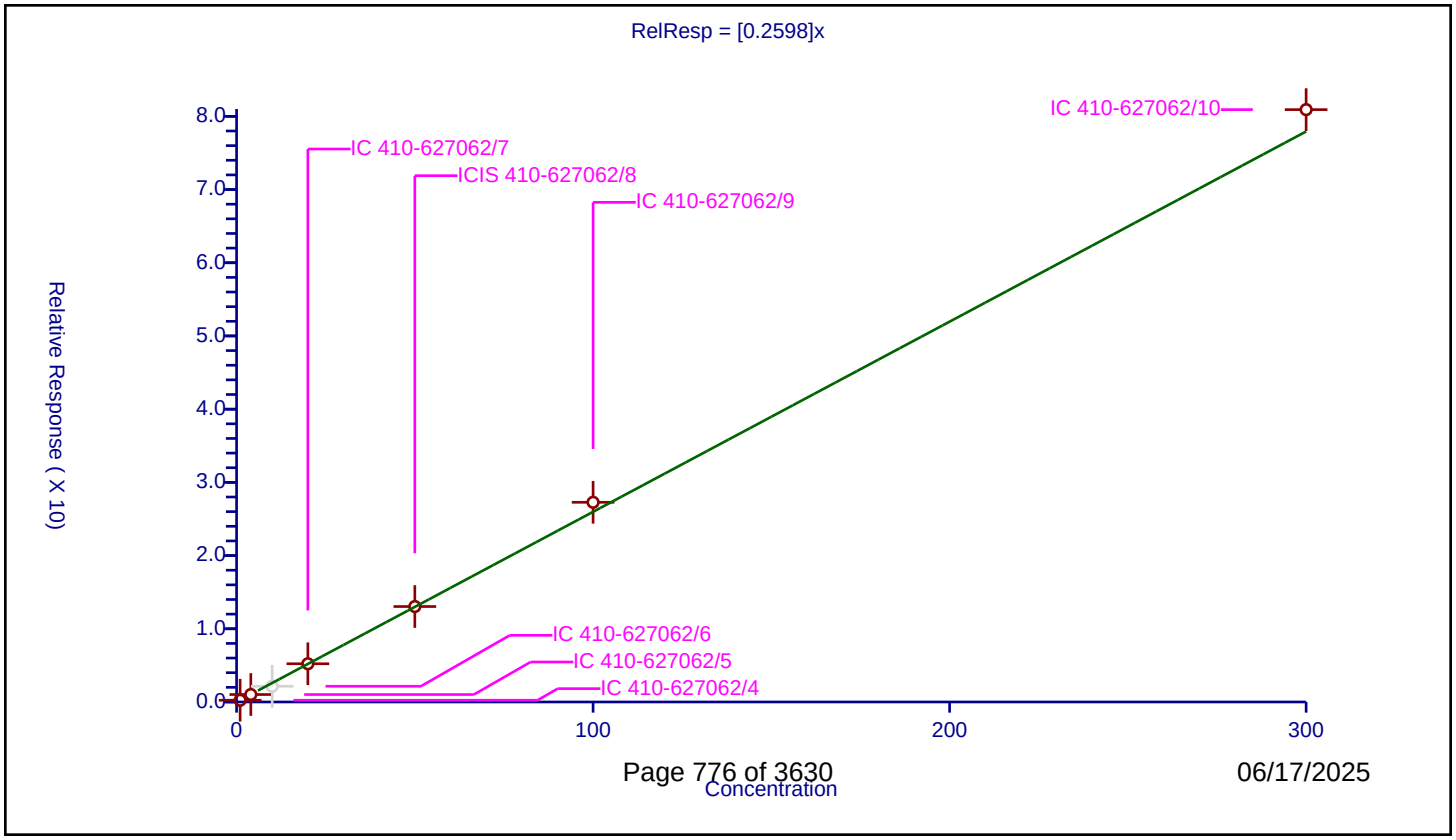
Curve Coefficients

Intercept:	0
Slope:	0.2598

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.239486	50.0	1194434.0	0.239486	Y
2	IC 410-627062/5	4.0	1.018903	50.0	1160856.0	0.254726	Y
3	IC 410-627062/6	10.0	2.147581	50.0	1192854.0	0.214758	N
4	IC 410-627062/7	20.0	5.222501	50.0	1250579.0	0.261125	Y
5	ICIS 410-627062/8	50.0	13.038314	50.0	1288050.0	0.260766	Y
6	IC 410-627062/9	100.0	27.276977	50.0	1374454.0	0.27277	Y
7	IC 410-627062/10	300.0	80.915781	50.0	1504366.0	0.269719	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

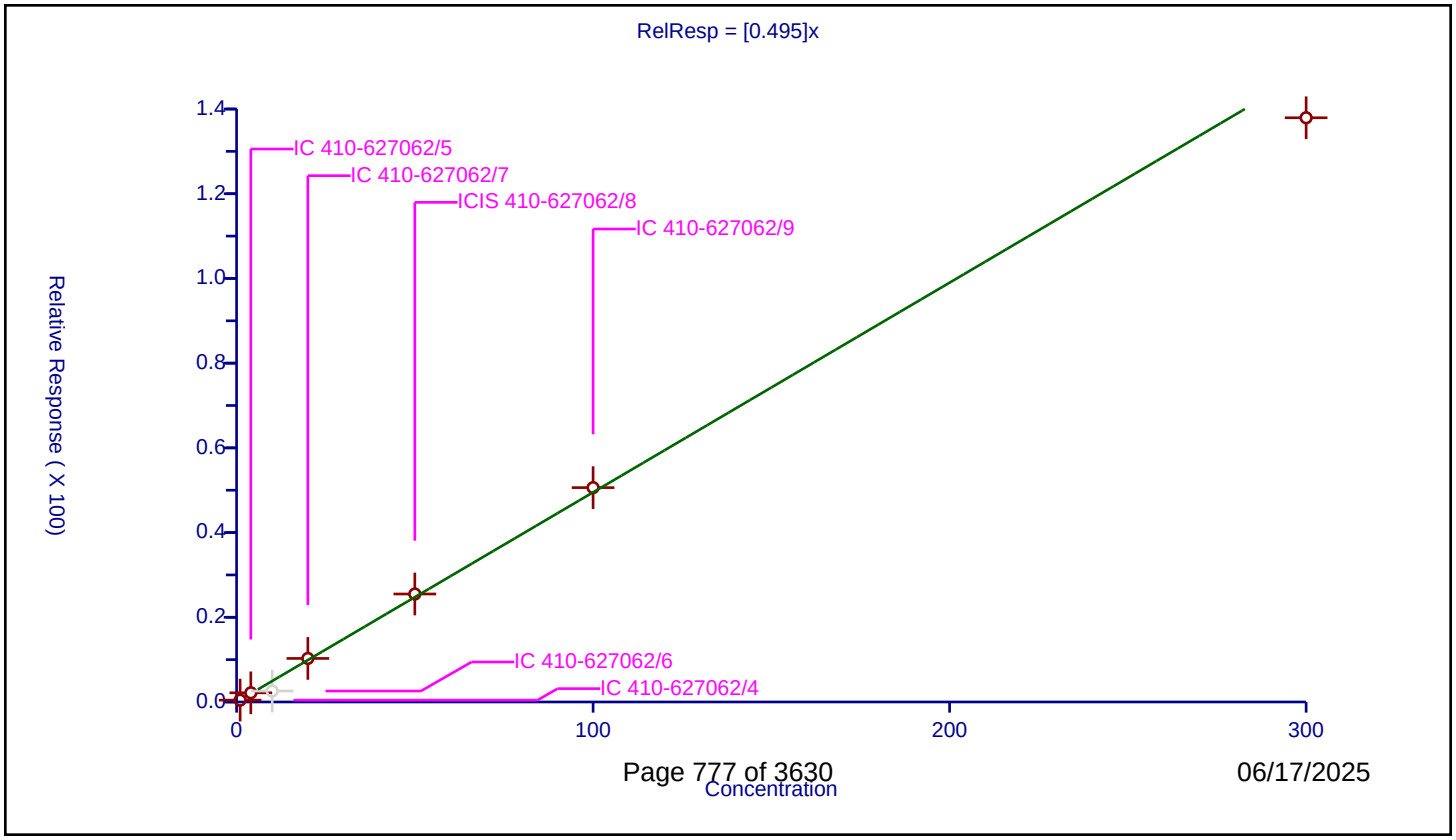
Curve Coefficients

Intercept:	0
Slope:	0.495

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.439748	50.0	1194434.0	0.439748	Y
2	IC 410-627062/5	4.0	2.162154	50.0	1160856.0	0.540539	Y
3	IC 410-627062/6	10.0	2.585438	50.0	1192854.0	0.258544	N
4	IC 410-627062/7	20.0	10.282117	50.0	1250579.0	0.514106	Y
5	ICIS 410-627062/8	50.0	25.493847	50.0	1288050.0	0.509877	Y
6	IC 410-627062/9	100.0	50.608314	50.0	1374454.0	0.506083	Y
7	IC 410-627062/10	300.0	137.934917	50.0	1504366.0	0.459783	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

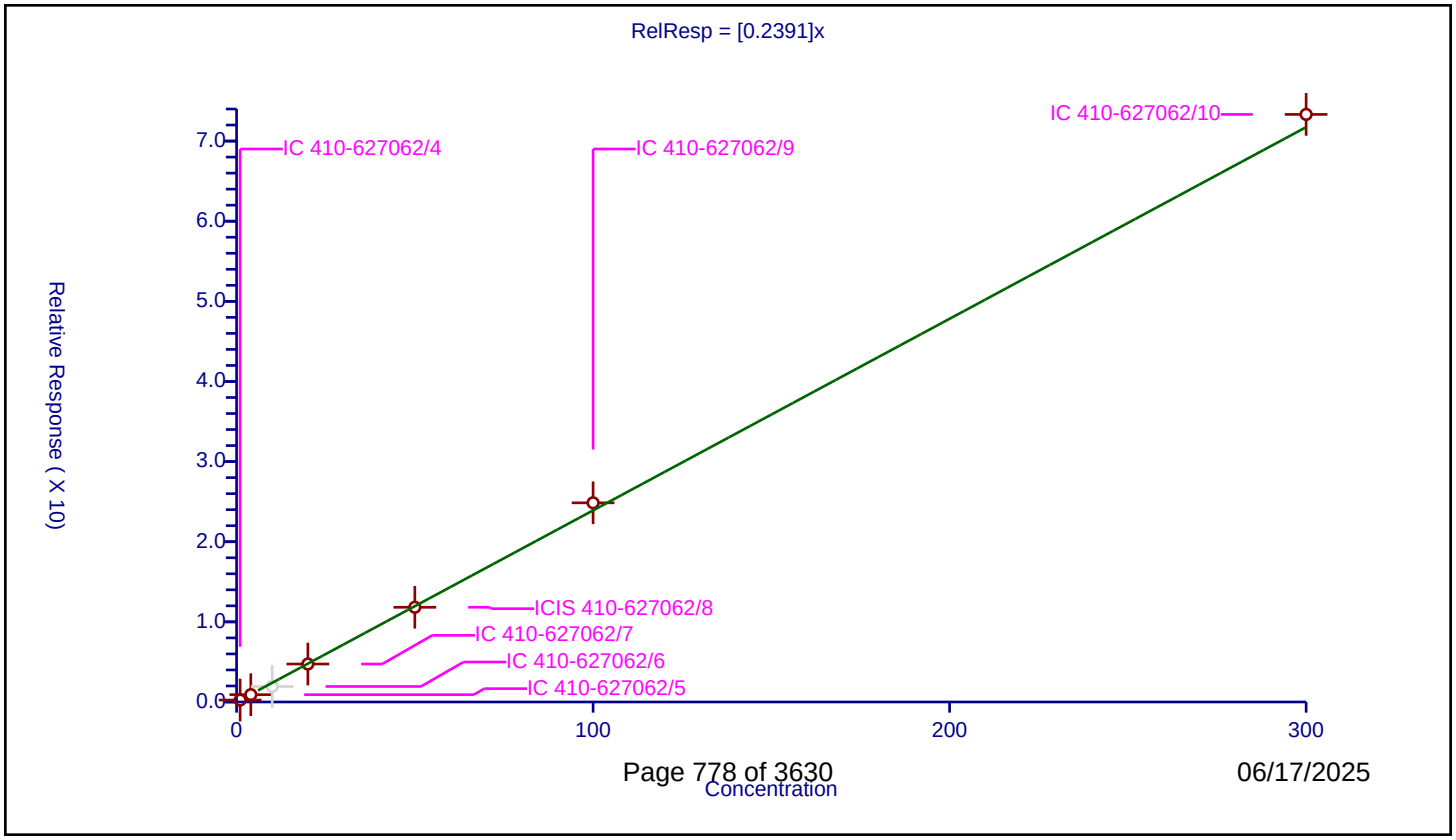
Curve Coefficients

Intercept:	0
Slope:	0.2391

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.239946	50.0	1194434.0	0.239946	Y
2	IC 410-627062/5	4.0	0.914282	50.0	1160856.0	0.228571	Y
3	IC 410-627062/6	10.0	1.93561	50.0	1192854.0	0.193561	N
4	IC 410-627062/7	20.0	4.737366	50.0	1250579.0	0.236868	Y
5	ICIS 410-627062/8	50.0	11.817243	50.0	1288050.0	0.236345	Y
6	IC 410-627062/9	100.0	24.85336	50.0	1374454.0	0.248534	Y
7	IC 410-627062/10	300.0	73.326637	50.0	1504366.0	0.244422	Y



06/17/2025

Calibration / 2-ethoxy-2-methyl butane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

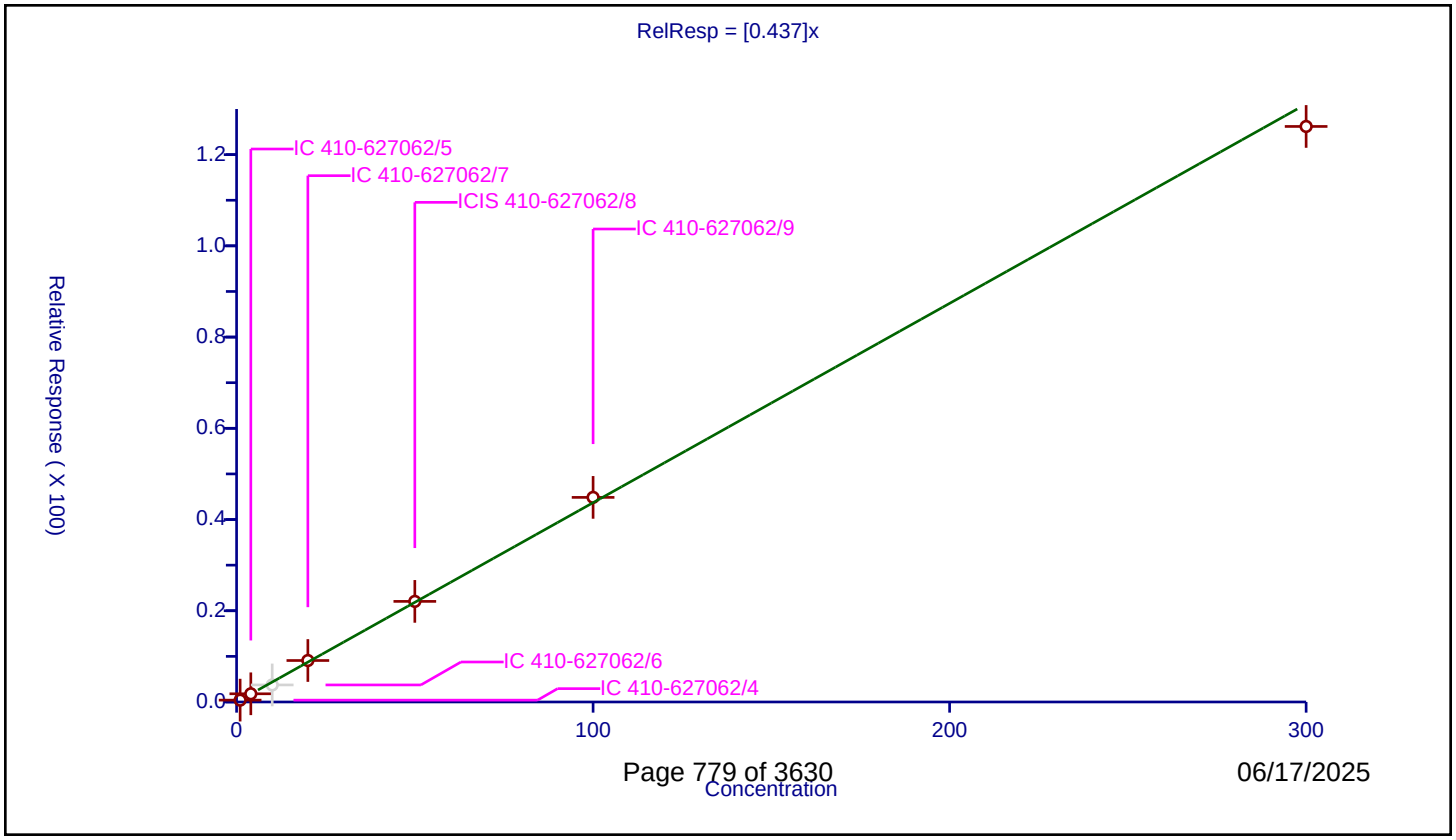
Curve Coefficients

Intercept:	0
Slope:	0.437

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.407515	50.0	1194434.0	0.407515	Y
2	IC 410-627062/5	4.0	1.797467	50.0	1160856.0	0.449367	Y
3	IC 410-627062/6	10.0	3.736124	50.0	1192854.0	0.373612	N
4	IC 410-627062/7	20.0	9.091789	50.0	1250579.0	0.454589	Y
5	ICIS 410-627062/8	50.0	22.056364	50.0	1288050.0	0.441127	Y
6	IC 410-627062/9	100.0	44.857158	50.0	1374454.0	0.448572	Y
7	IC 410-627062/10	300.0	126.176276	50.0	1504366.0	0.420588	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

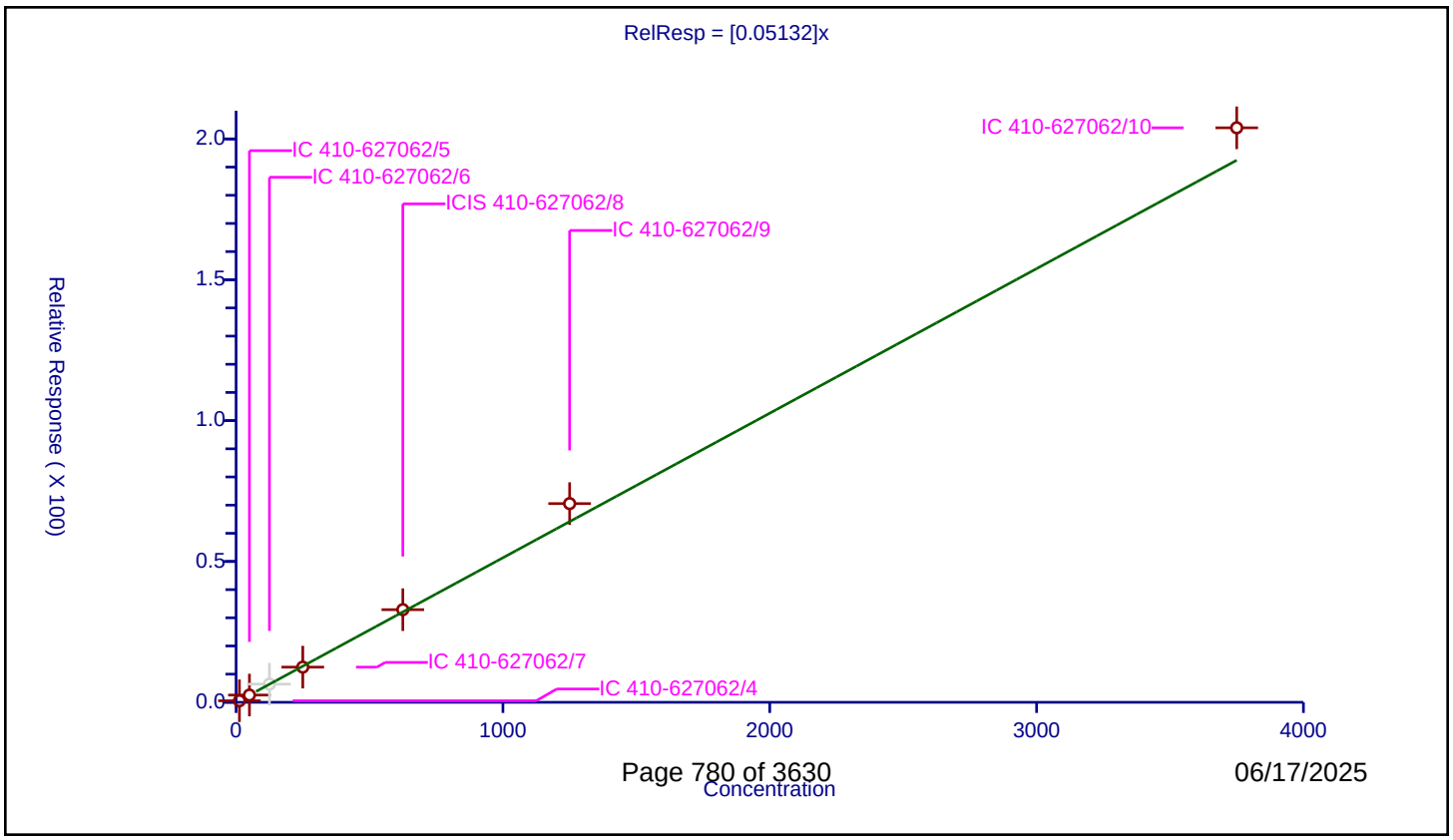
Curve Coefficients

Intercept:	0
Slope:	0.05132

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	12.5	0.539107	250.0	874595.0	0.043129	Y
2	IC 410-627062/5	50.0	2.568946	250.0	852295.0	0.051379	Y
3	IC 410-627062/6	125.0	6.458089	250.0	837051.0	0.051665	N
4	IC 410-627062/7	250.0	12.489084	250.0	774076.0	0.049956	Y
5	ICIS 410-627062/8	625.0	32.886064	250.0	857202.0	0.052618	Y
6	IC 410-627062/9	1250.0	70.542259	250.0	853577.0	0.056434	Y
7	IC 410-627062/10	3750.0	203.943877	250.0	864999.0	0.054385	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

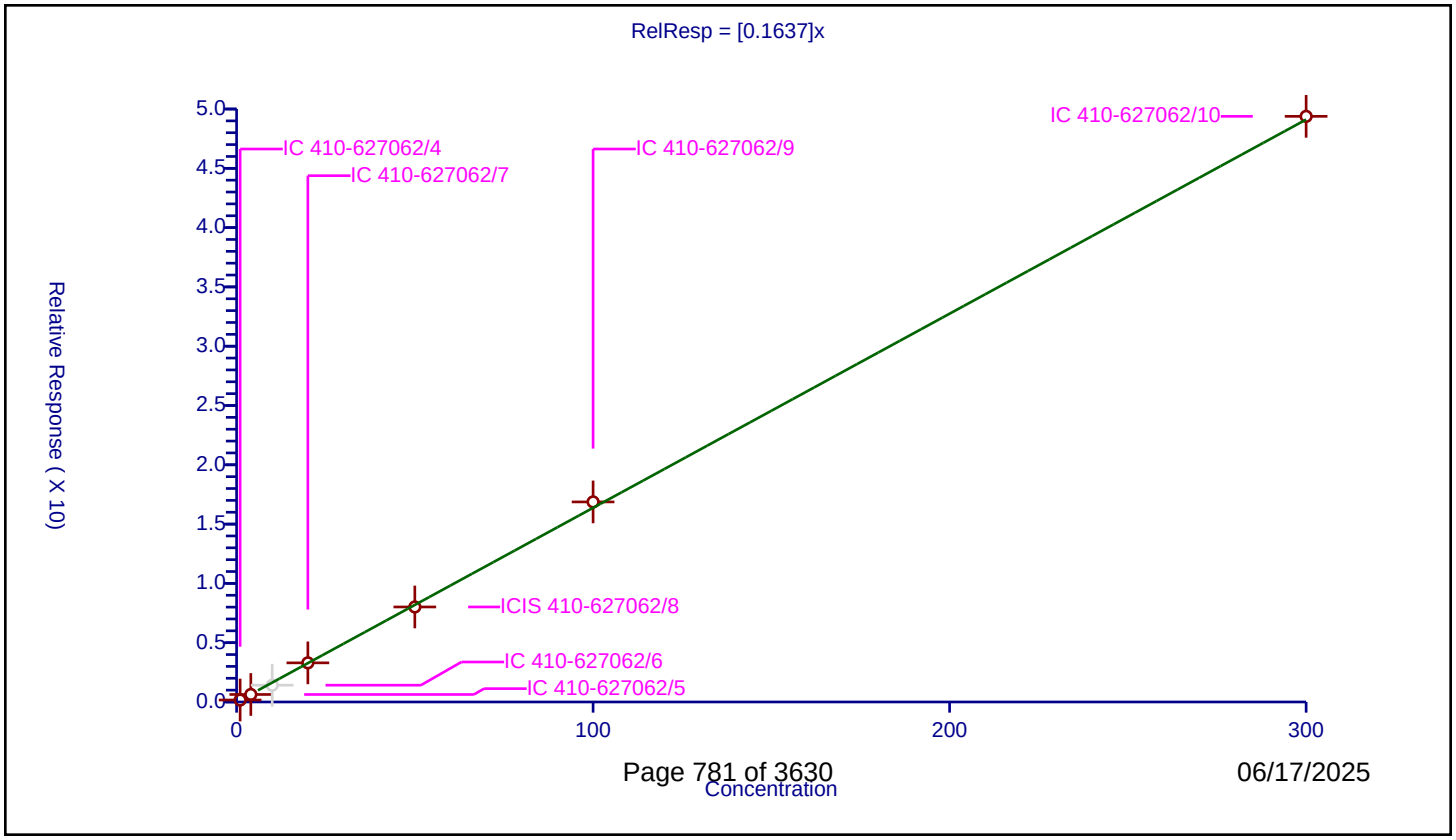
Curve Coefficients

Intercept:	0
Slope:	0.1637

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.165434	50.0	1194434.0	0.165434	Y
2	IC 410-627062/5	4.0	0.633067	50.0	1160856.0	0.158267	Y
3	IC 410-627062/6	10.0	1.415261	50.0	1192854.0	0.141526	N
4	IC 410-627062/7	20.0	3.299911	50.0	1250579.0	0.164996	Y
5	ICIS 410-627062/8	50.0	8.012267	50.0	1288050.0	0.160245	Y
6	IC 410-627062/9	100.0	16.868953	50.0	1374454.0	0.16869	Y
7	IC 410-627062/10	300.0	49.381334	50.0	1504366.0	0.164604	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

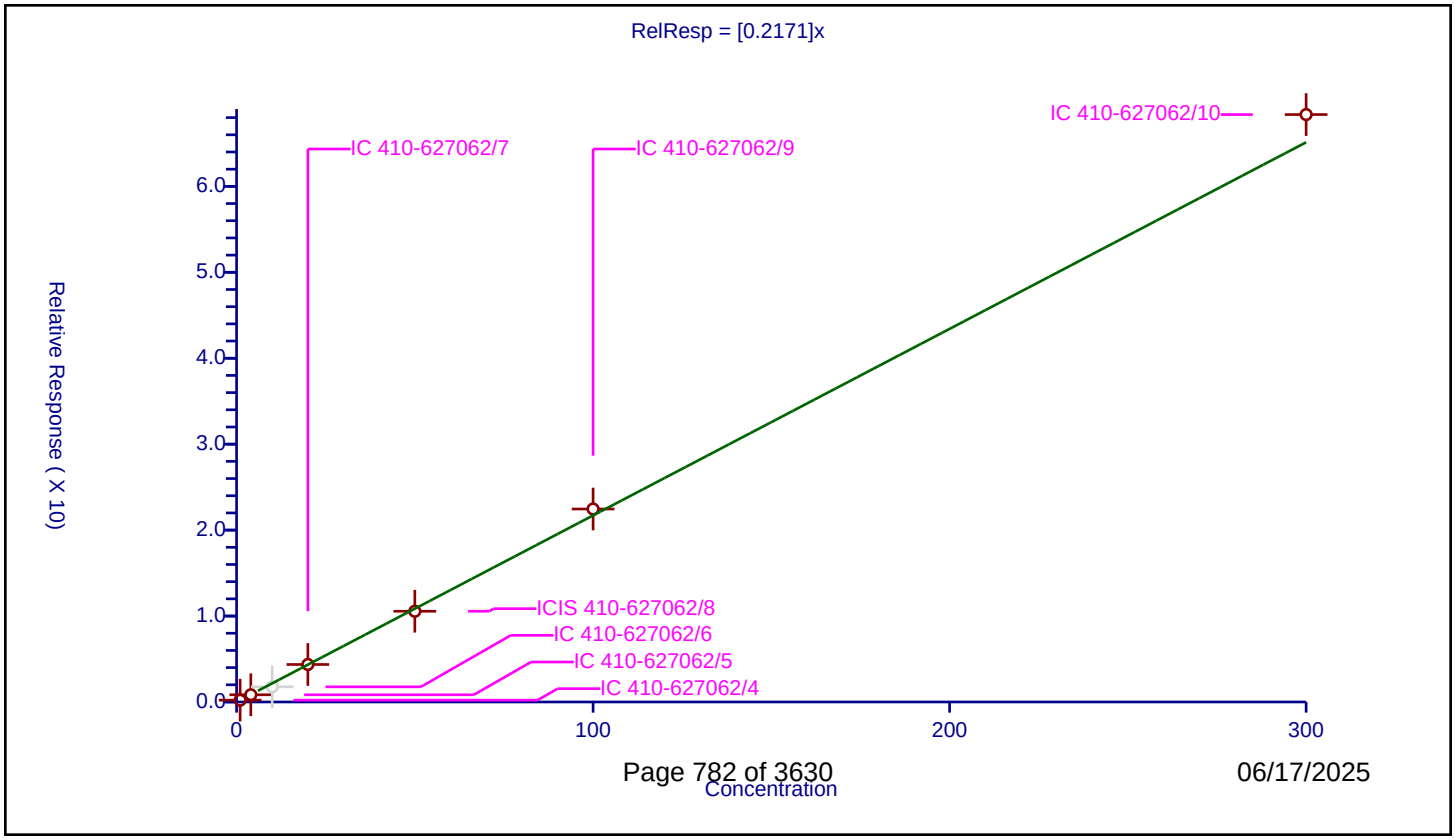
Curve Coefficients

Intercept:	0
Slope:	0.2171

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.211272	50.0	1194434.0	0.211272	Y
2	IC 410-627062/5	4.0	0.837959	50.0	1160856.0	0.20949	Y
3	IC 410-627062/6	10.0	1.762621	50.0	1192854.0	0.176262	N
4	IC 410-627062/7	20.0	4.363939	50.0	1250579.0	0.218197	Y
5	ICIS 410-627062/8	50.0	10.556422	50.0	1288050.0	0.211128	Y
6	IC 410-627062/9	100.0	22.455026	50.0	1374454.0	0.22455	Y
7	IC 410-627062/10	300.0	68.355772	50.0	1504366.0	0.227853	Y



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Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

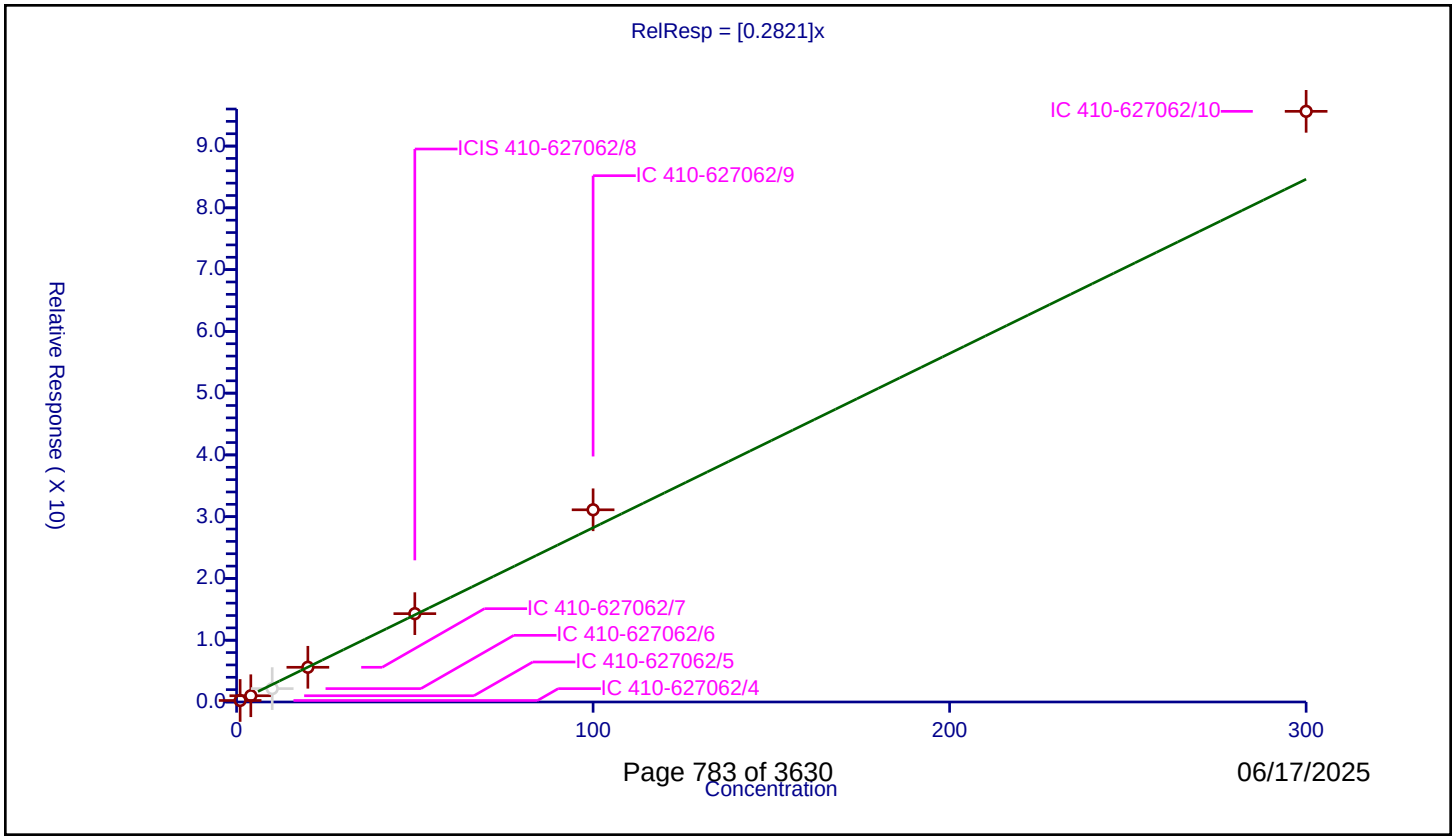
Curve Coefficients

Intercept:	0
Slope:	0.2821

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.24317	50.0	1194434.0	0.24317	Y
2	IC 410-627062/5	4.0	1.01115	50.0	1160856.0	0.252788	Y
3	IC 410-627062/6	10.0	2.165395	50.0	1192854.0	0.216539	N
4	IC 410-627062/7	20.0	5.616918	50.0	1250579.0	0.280846	Y
5	ICIS 410-627062/8	50.0	14.300027	50.0	1288050.0	0.286001	Y
6	IC 410-627062/9	100.0	31.117848	50.0	1374454.0	0.311178	Y
7	IC 410-627062/10	300.0	95.622973	50.0	1504366.0	0.318743	Y



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Calibration / 2-Nitropropane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

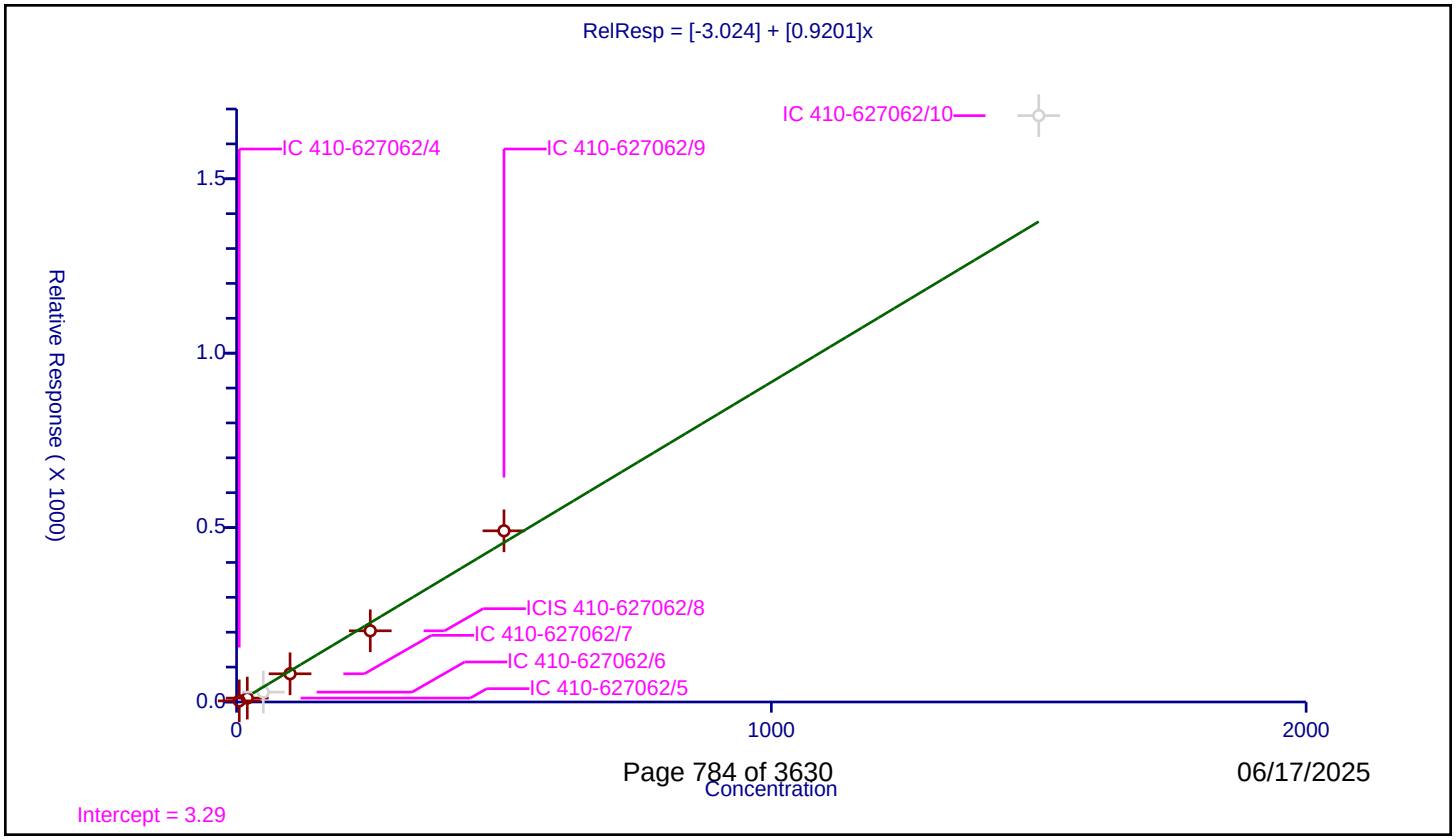
Curve Coefficients

Intercept:	-3.024
Slope:	0.9201

Error Coefficients

Relative Standard Deviation:	25.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	5.0	3.153745	250.0	874595.0	0.630749	Y
2	IC 410-627062/5	20.0	11.182454	250.0	852295.0	0.559123	Y
3	IC 410-627062/6	50.0	28.23902	250.0	837051.0	0.56478	N
4	IC 410-627062/7	100.0	80.8606	250.0	774076.0	0.808606	Y
5	ICIS 410-627062/8	250.0	204.070627	250.0	857202.0	0.816283	Y
6	IC 410-627062/9	500.0	490.737215	250.0	853577.0	0.981474	Y
7	IC 410-627062/10	1500.0	1681.034891	250.0	864999.0	1.12069	N



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

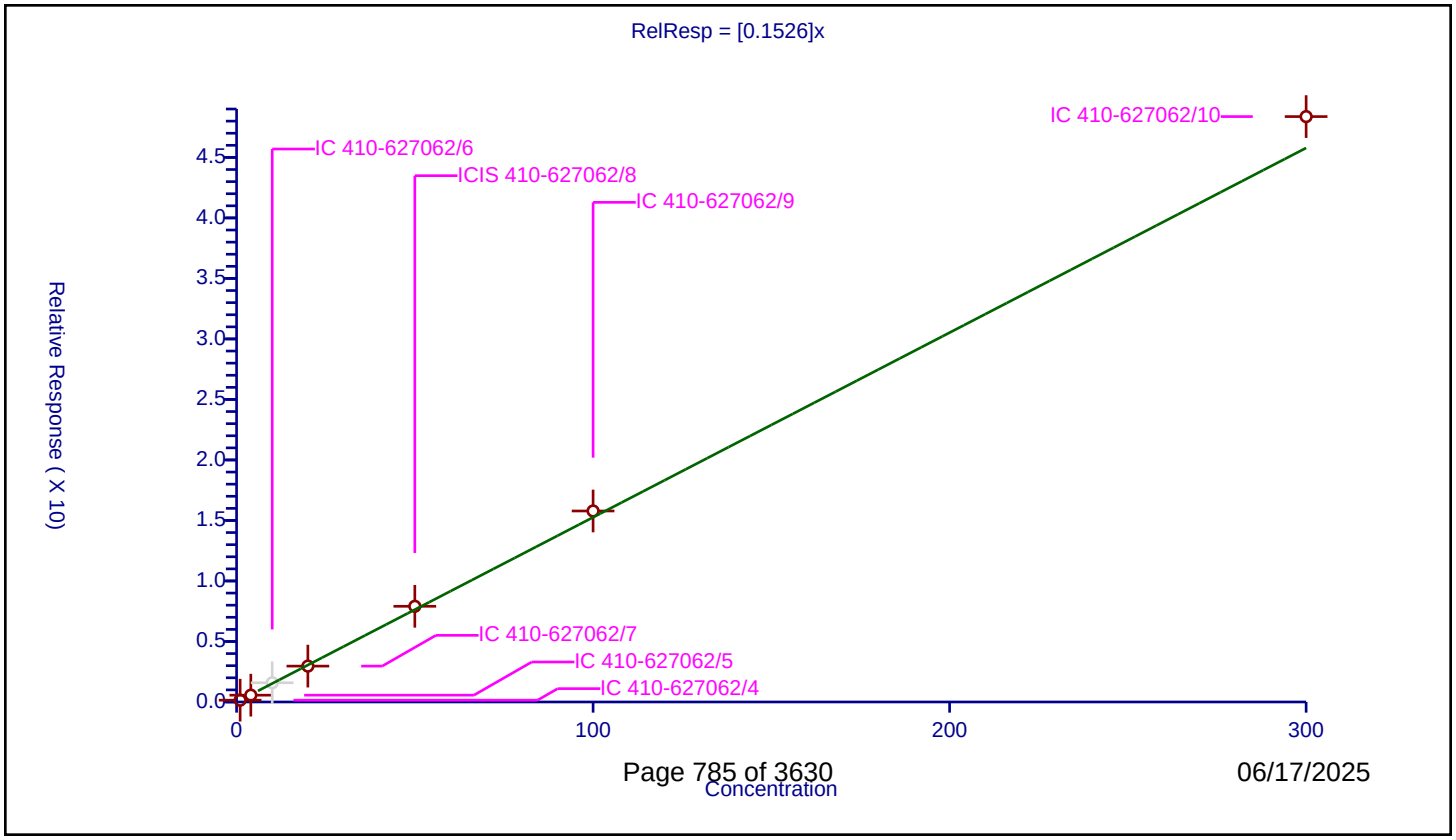
Curve Coefficients

Intercept:	0
Slope:	0.1526

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.149276	50.0	1194434.0	0.149276	Y
2	IC 410-627062/5	4.0	0.563851	50.0	1160856.0	0.140963	Y
3	IC 410-627062/6	10.0	1.588753	50.0	1192854.0	0.158875	N
4	IC 410-627062/7	20.0	2.963827	50.0	1250579.0	0.148191	Y
5	ICIS 410-627062/8	50.0	7.907651	50.0	1288050.0	0.158153	Y
6	IC 410-627062/9	100.0	15.782085	50.0	1374454.0	0.157821	Y
7	IC 410-627062/10	300.0	48.373833	50.0	1504366.0	0.161246	Y



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Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

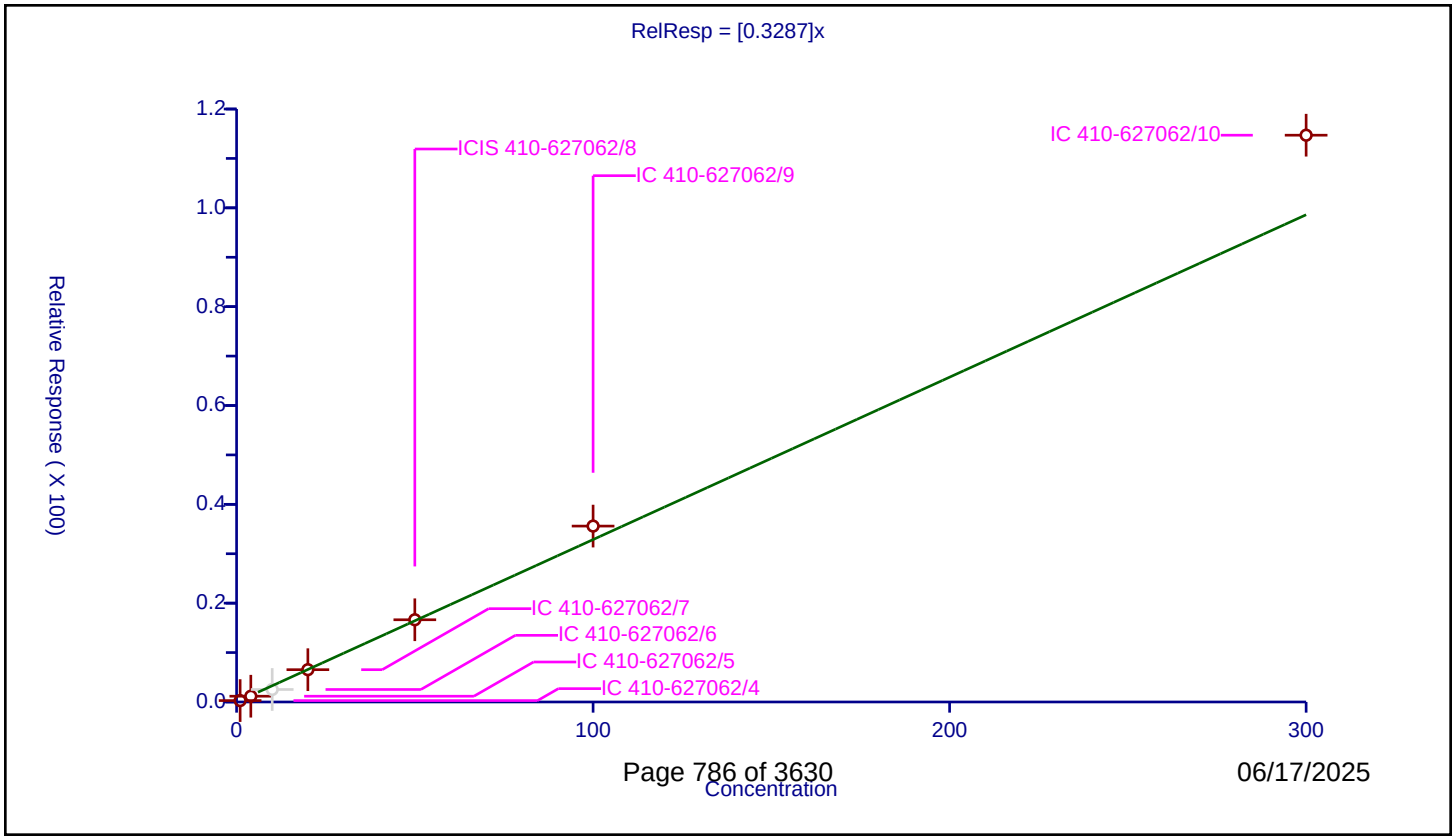
Curve Coefficients

Intercept:	0
Slope:	0.3287

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.281556	50.0	1194434.0	0.281556	Y
2	IC 410-627062/5	4.0	1.170214	50.0	1160856.0	0.292554	Y
3	IC 410-627062/6	10.0	2.529186	50.0	1192854.0	0.252919	N
4	IC 410-627062/7	20.0	6.535533	50.0	1250579.0	0.326777	Y
5	ICIS 410-627062/8	50.0	16.640697	50.0	1288050.0	0.332814	Y
6	IC 410-627062/9	100.0	35.597626	50.0	1374454.0	0.355976	Y
7	IC 410-627062/10	300.0	114.700312	50.0	1504366.0	0.382334	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

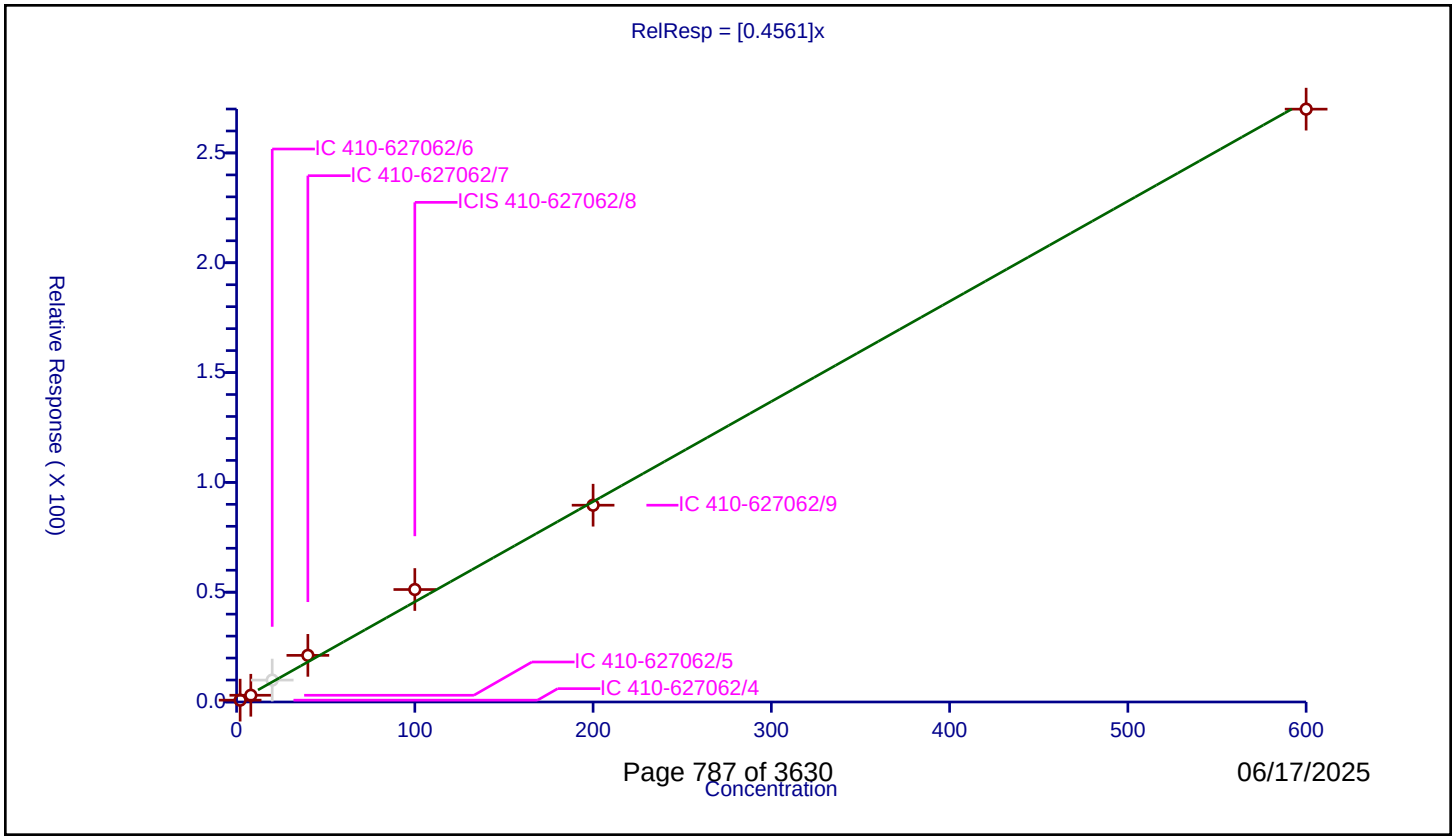
Curve Coefficients

Intercept:	0
Slope:	0.4561

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	2.0	0.826082	50.0	1194434.0	0.413041	Y
2	IC 410-627062/5	8.0	3.060156	50.0	1160856.0	0.382519	Y
3	IC 410-627062/6	20.0	9.974481	50.0	1192854.0	0.498724	N
4	IC 410-627062/7	40.0	21.233844	50.0	1250579.0	0.530846	Y
5	ICIS 410-627062/8	100.0	51.207251	50.0	1288050.0	0.512073	Y
6	IC 410-627062/9	200.0	89.602453	50.0	1374454.0	0.448012	Y
7	IC 410-627062/10	600.0	269.942222	50.0	1504366.0	0.449904	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

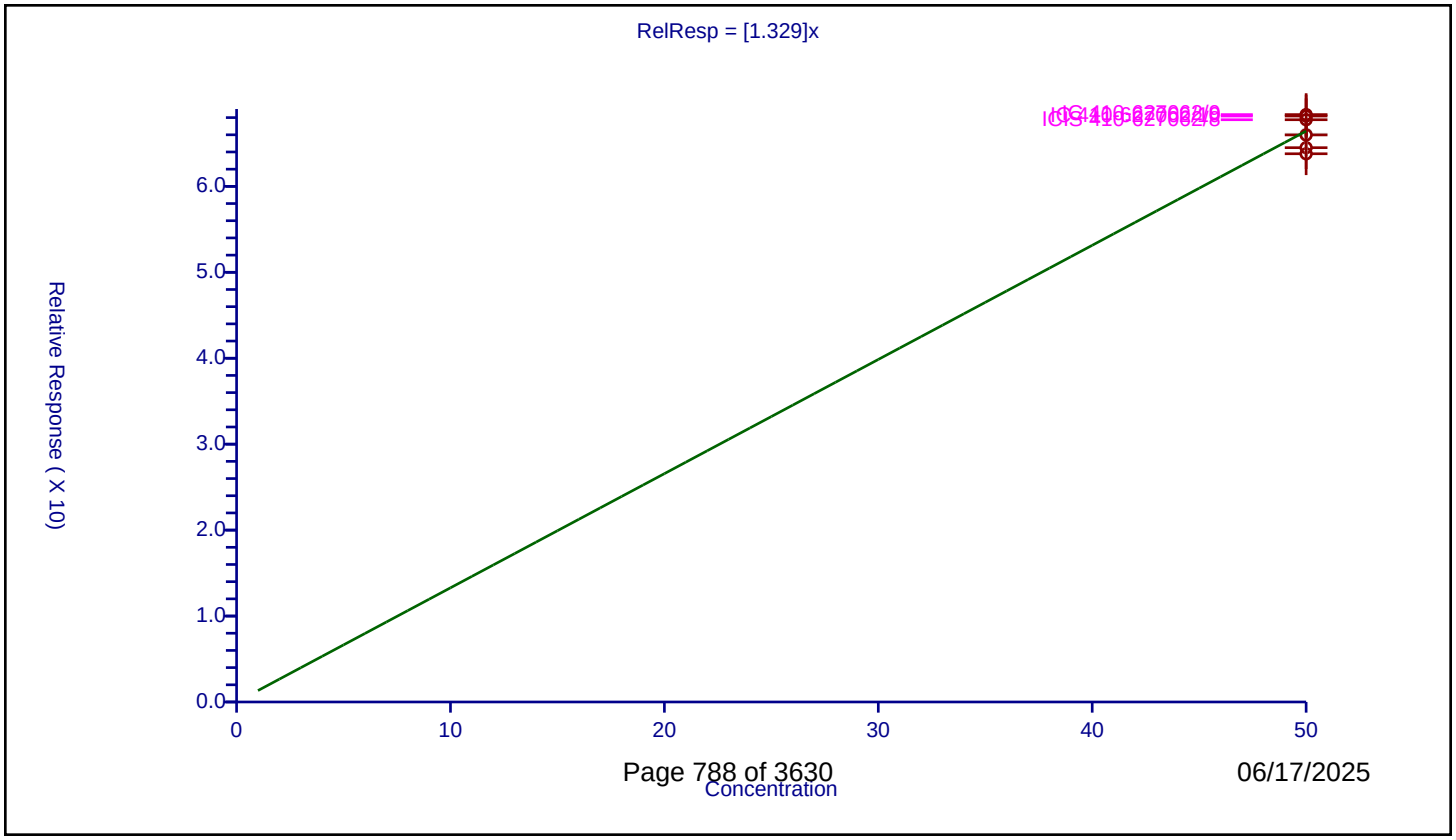
Curve Coefficients

Intercept:	0
Slope:	1.329

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	50.0	64.501209	50.0	818980.0	1.290024	Y
2	IC 410-627062/5	50.0	63.793022	50.0	824000.0	1.27586	Y
3	IC 410-627062/6	50.0	66.074102	50.0	794766.0	1.321482	N
4	IC 410-627062/7	50.0	65.982334	50.0	839796.0	1.319647	Y
5	ICIS 410-627062/8	50.0	67.753595	50.0	858367.0	1.355072	Y
6	IC 410-627062/9	50.0	68.351228	50.0	891330.0	1.367025	Y
7	IC 410-627062/10	50.0	68.183062	50.0	1023601.0	1.363661	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

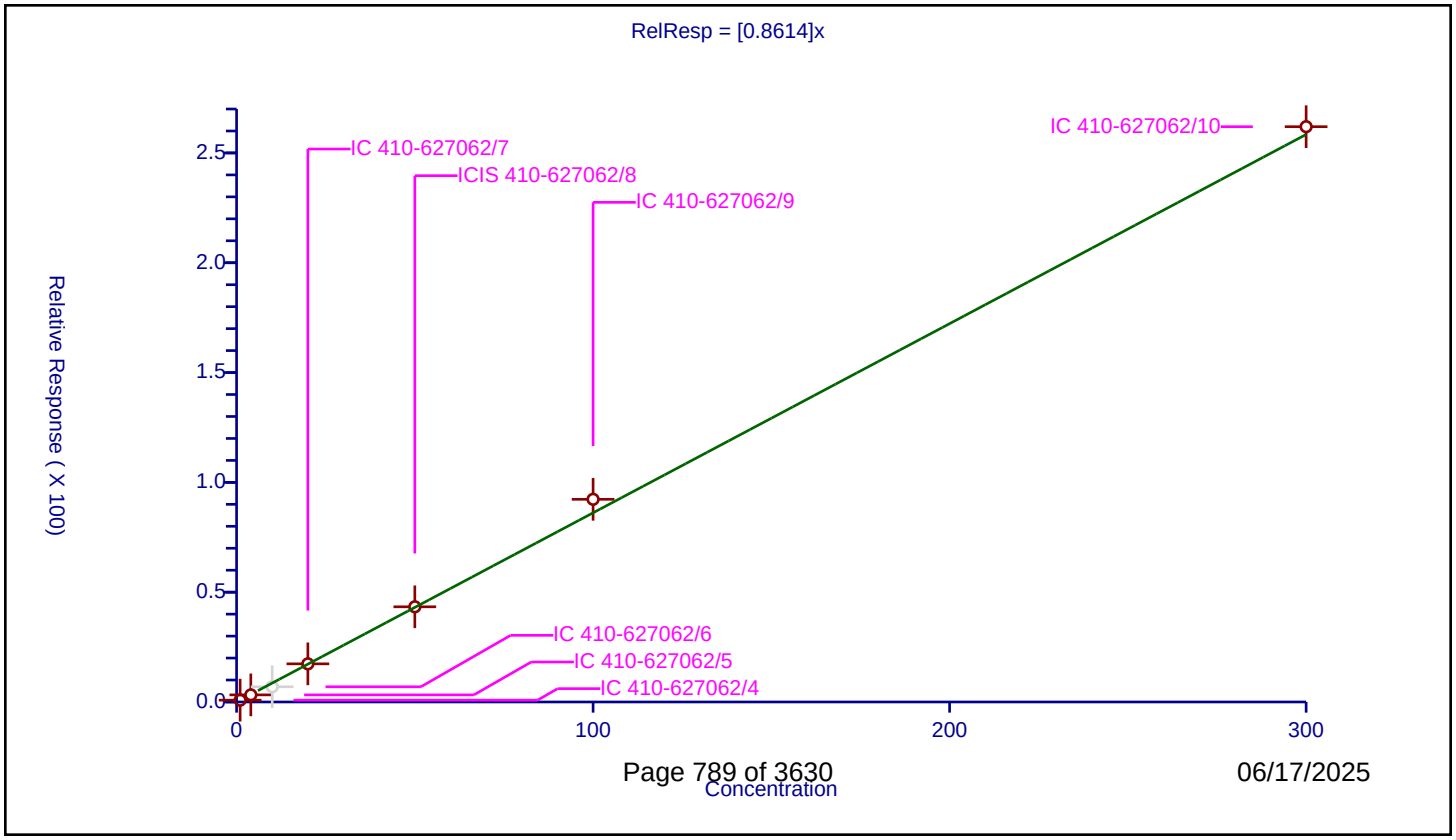
Curve Coefficients

Intercept:	0
Slope:	0.8614

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.827126	50.0	818980.0	0.827126	Y
2	IC 410-627062/5	4.0	3.239078	50.0	824000.0	0.809769	Y
3	IC 410-627062/6	10.0	6.924931	50.0	794766.0	0.692493	N
4	IC 410-627062/7	20.0	17.368504	50.0	839796.0	0.868425	Y
5	ICIS 410-627062/8	50.0	43.336184	50.0	858367.0	0.866724	Y
6	IC 410-627062/9	100.0	92.28849	50.0	891330.0	0.922885	Y
7	IC 410-627062/10	300.0	261.951825	50.0	1023601.0	0.873173	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

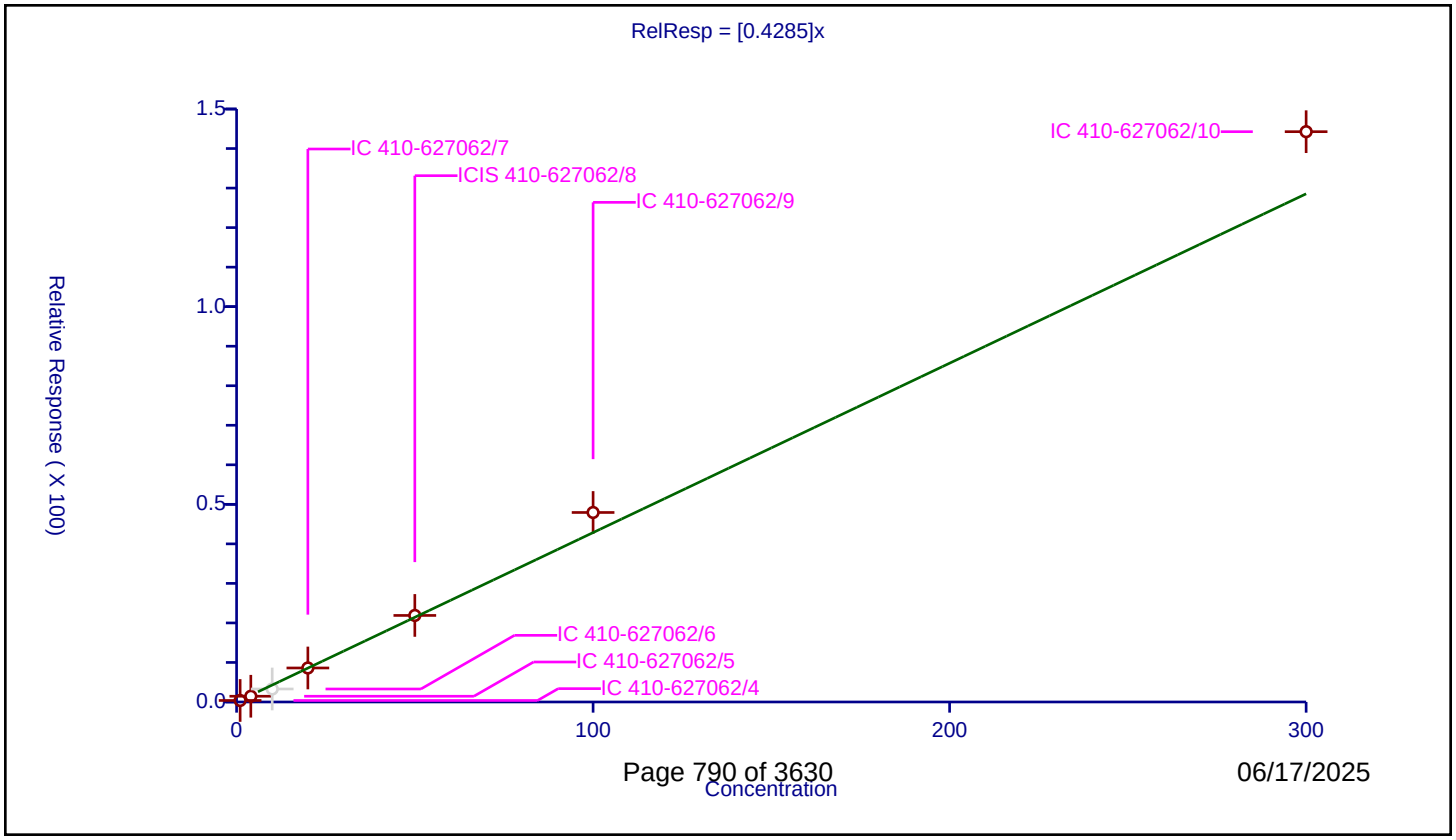
Curve Coefficients

Intercept:	0
Slope:	0.4285

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.378336	50.0	818980.0	0.378336	Y
2	IC 410-627062/5	4.0	1.456917	50.0	824000.0	0.364229	Y
3	IC 410-627062/6	10.0	3.287383	50.0	794766.0	0.328738	N
4	IC 410-627062/7	20.0	8.605364	50.0	839796.0	0.430268	Y
5	ICIS 410-627062/8	50.0	21.894539	50.0	858367.0	0.437891	Y
6	IC 410-627062/9	100.0	47.936623	50.0	891330.0	0.479366	Y
7	IC 410-627062/10	300.0	144.267591	50.0	1023601.0	0.480892	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

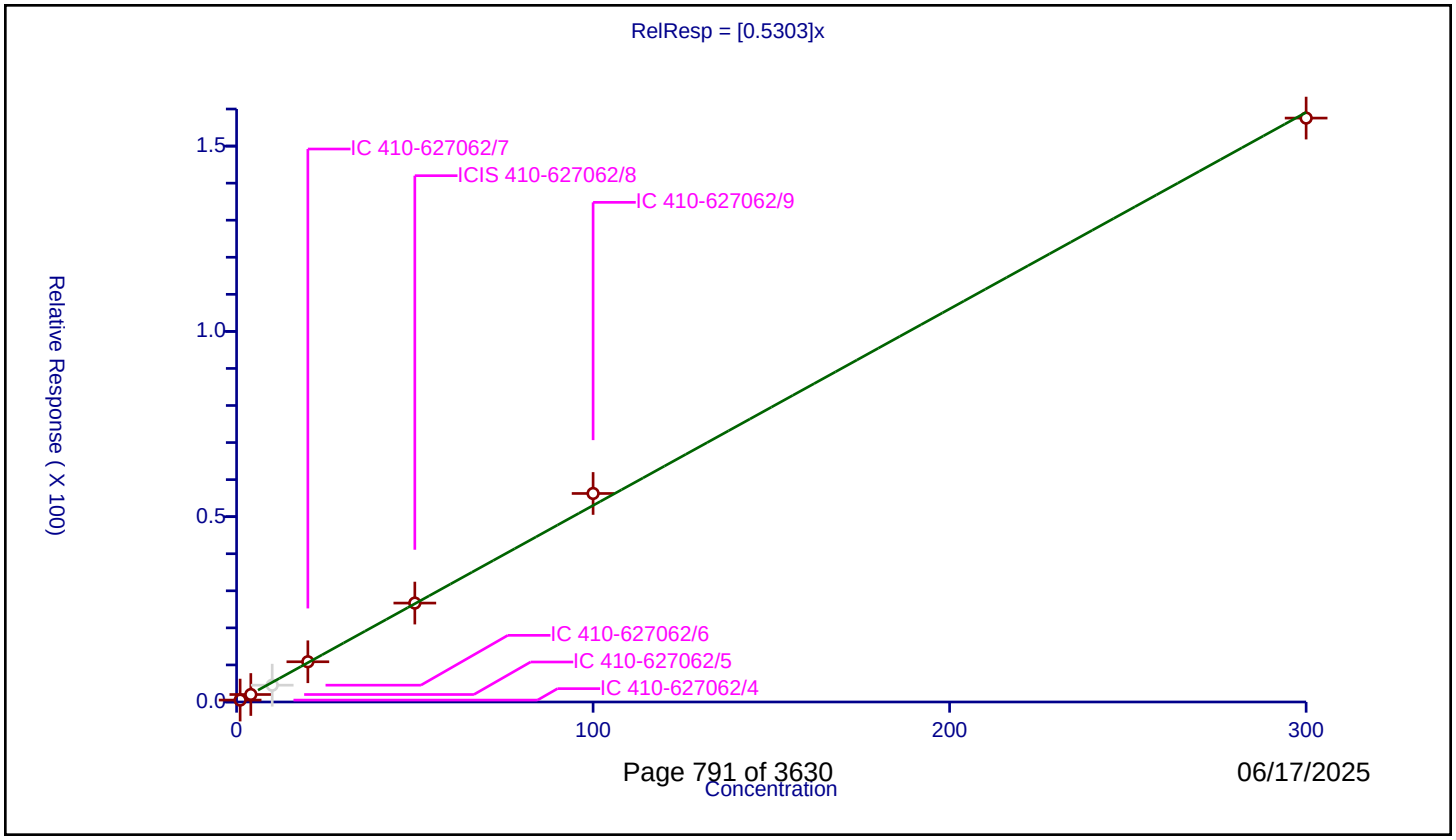
Curve Coefficients

Intercept:	0
Slope:	0.5303

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.513016	50.0	818980.0	0.513016	Y
2	IC 410-627062/5	4.0	2.018204	50.0	824000.0	0.504551	Y
3	IC 410-627062/6	10.0	4.540204	50.0	794766.0	0.45402	N
4	IC 410-627062/7	20.0	10.852874	50.0	839796.0	0.542644	Y
5	ICIS 410-627062/8	50.0	26.688235	50.0	858367.0	0.533765	Y
6	IC 410-627062/9	100.0	56.264907	50.0	891330.0	0.562649	Y
7	IC 410-627062/10	300.0	157.552796	50.0	1023601.0	0.525176	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

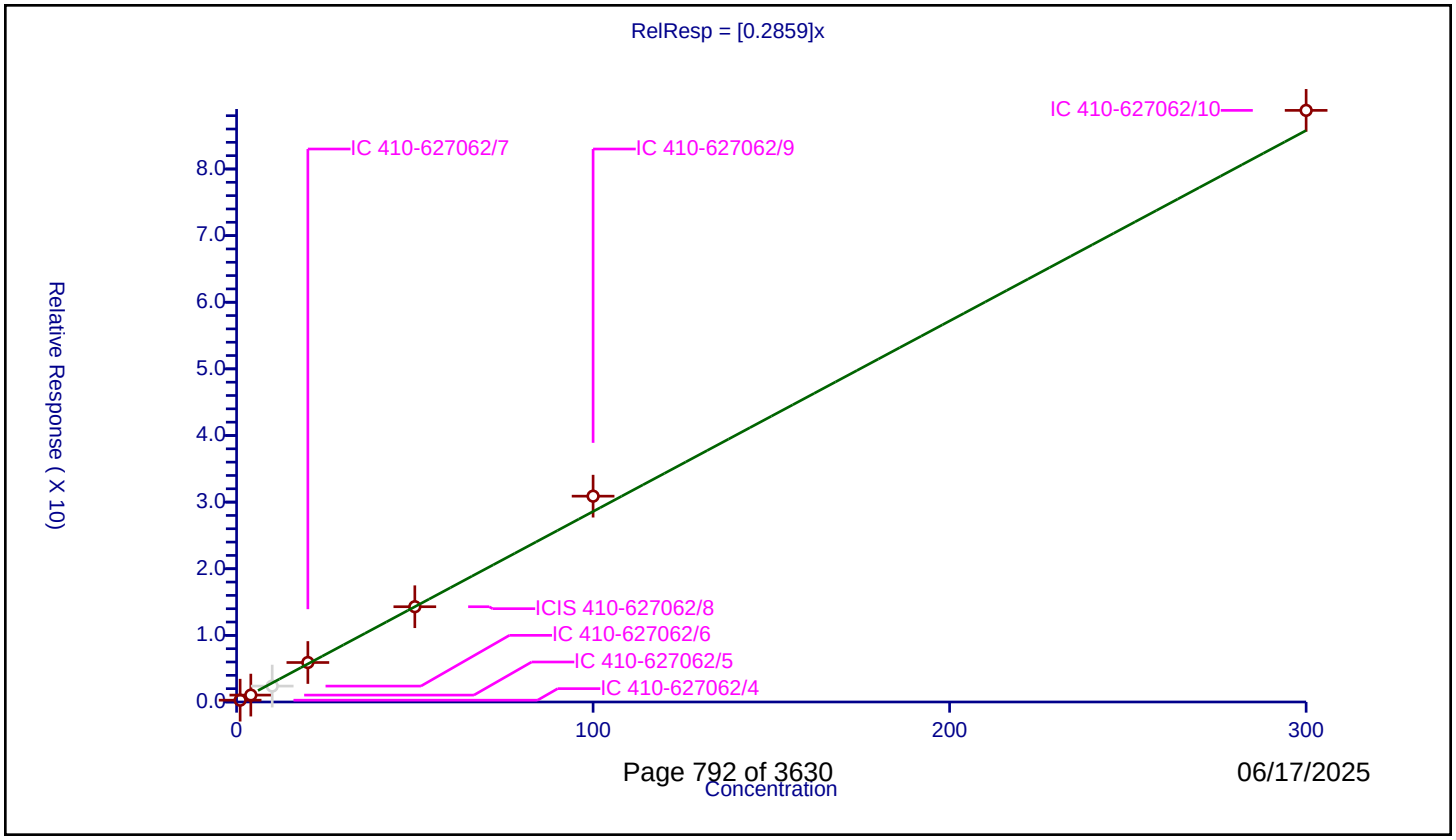
Curve Coefficients

Intercept:	0
Slope:	0.2859

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.270214	50.0	818980.0	0.270214	Y
2	IC 410-627062/5	4.0	1.033313	50.0	824000.0	0.258328	Y
3	IC 410-627062/6	10.0	2.388313	50.0	794766.0	0.238831	N
4	IC 410-627062/7	20.0	5.924772	50.0	839796.0	0.296239	Y
5	ICIS 410-627062/8	50.0	14.296857	50.0	858367.0	0.285937	Y
6	IC 410-627062/9	100.0	30.892543	50.0	891330.0	0.308925	Y
7	IC 410-627062/10	300.0	88.795097	50.0	1023601.0	0.295984	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

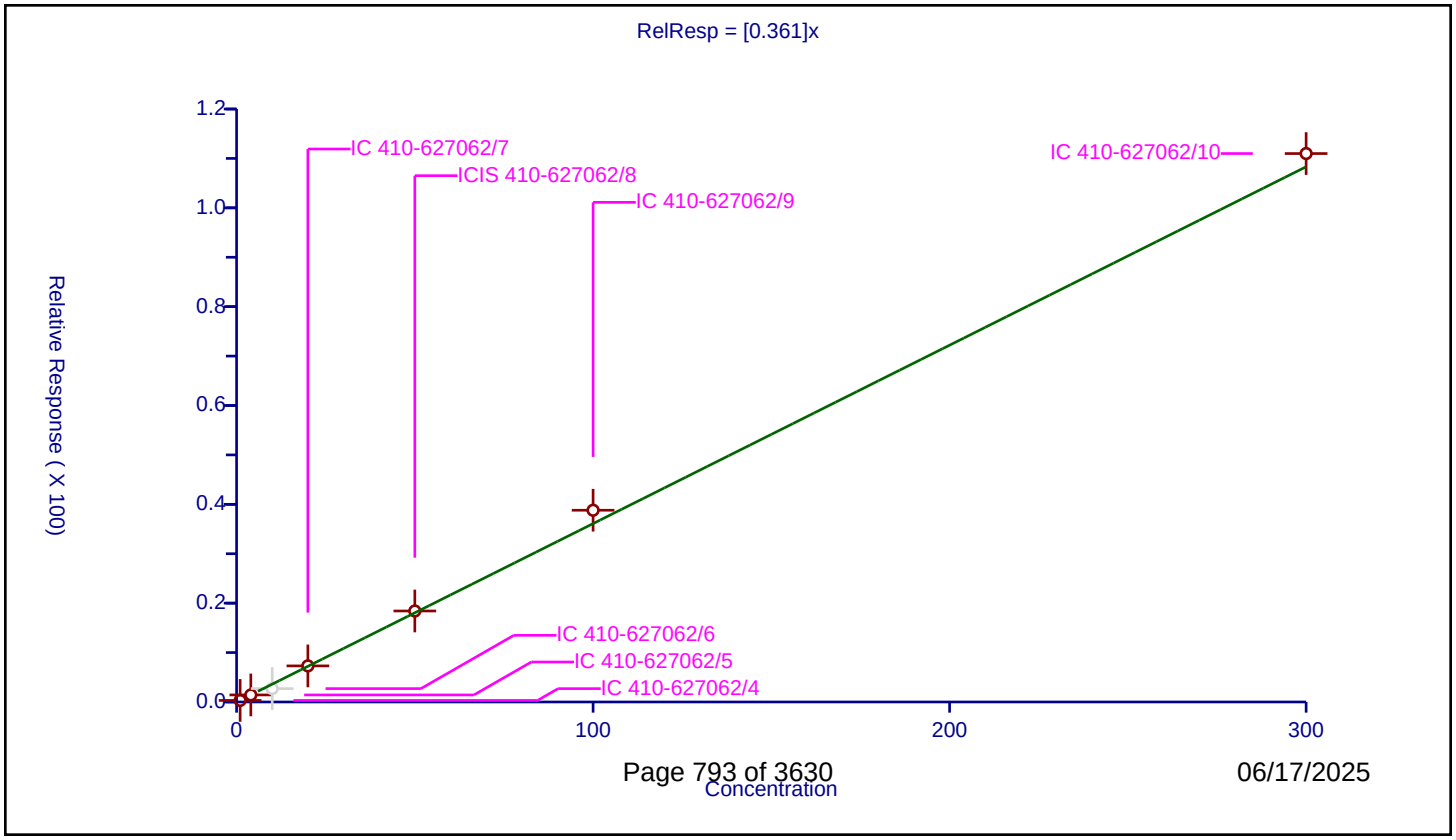
Curve Coefficients

Intercept:	0
Slope:	0.361

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.31814	50.0	818980.0	0.31814	Y
2	IC 410-627062/5	4.0	1.42585	50.0	824000.0	0.356462	Y
3	IC 410-627062/6	10.0	2.706834	50.0	794766.0	0.270683	N
4	IC 410-627062/7	20.0	7.306477	50.0	839796.0	0.365324	Y
5	ICIS 410-627062/8	50.0	18.415084	50.0	858367.0	0.368302	Y
6	IC 410-627062/9	100.0	38.803922	50.0	891330.0	0.388039	Y
7	IC 410-627062/10	300.0	110.985091	50.0	1023601.0	0.36995	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

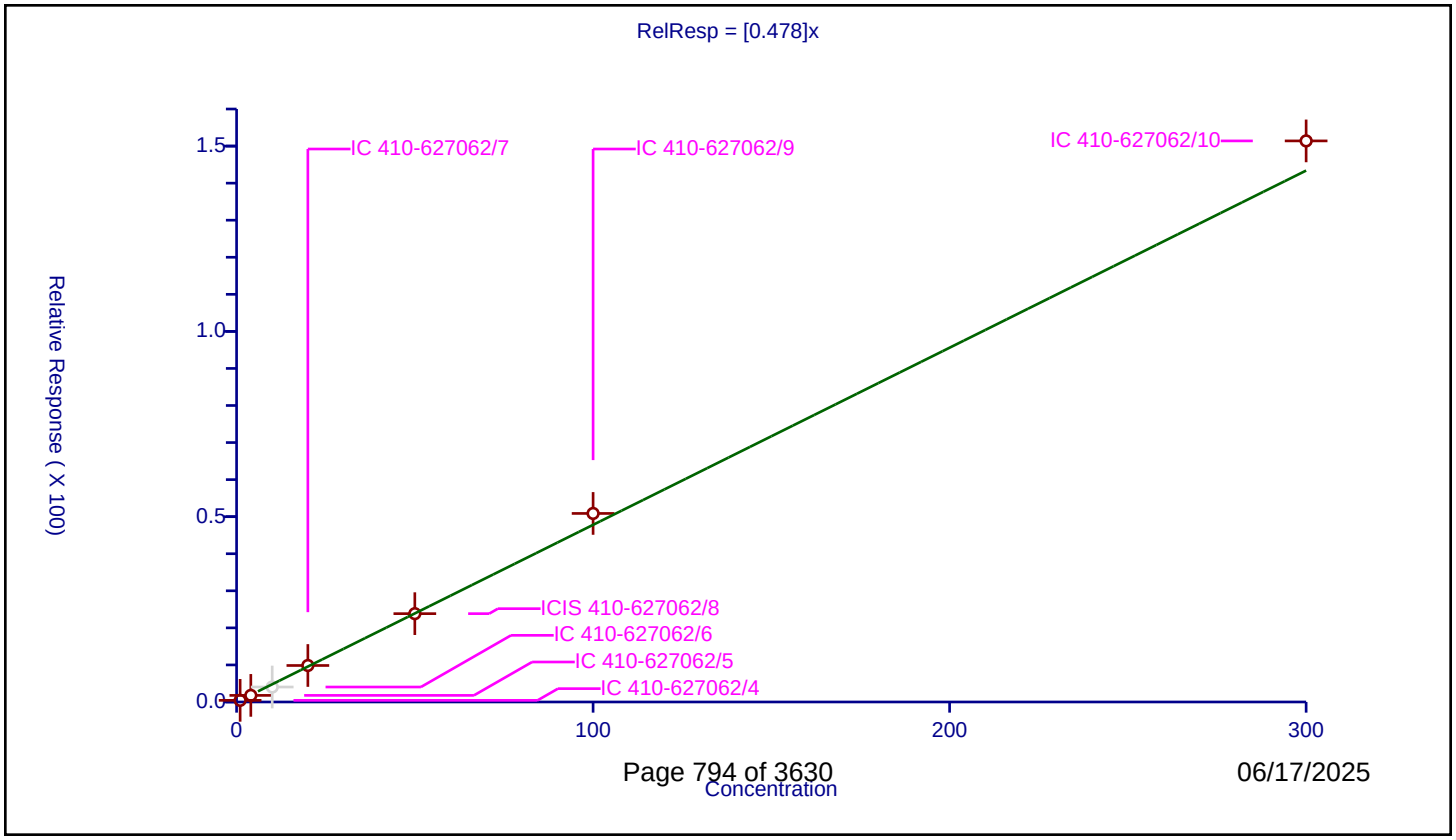
Curve Coefficients

Intercept:	0
Slope:	0.478

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.439449	50.0	818980.0	0.439449	Y
2	IC 410-627062/5	4.0	1.784163	50.0	824000.0	0.446041	Y
3	IC 410-627062/6	10.0	4.036849	50.0	794766.0	0.403685	N
4	IC 410-627062/7	20.0	9.846915	50.0	839796.0	0.492346	Y
5	ICIS 410-627062/8	50.0	23.831764	50.0	858367.0	0.476635	Y
6	IC 410-627062/9	100.0	50.872965	50.0	891330.0	0.50873	Y
7	IC 410-627062/10	300.0	151.394879	50.0	1023601.0	0.50465	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

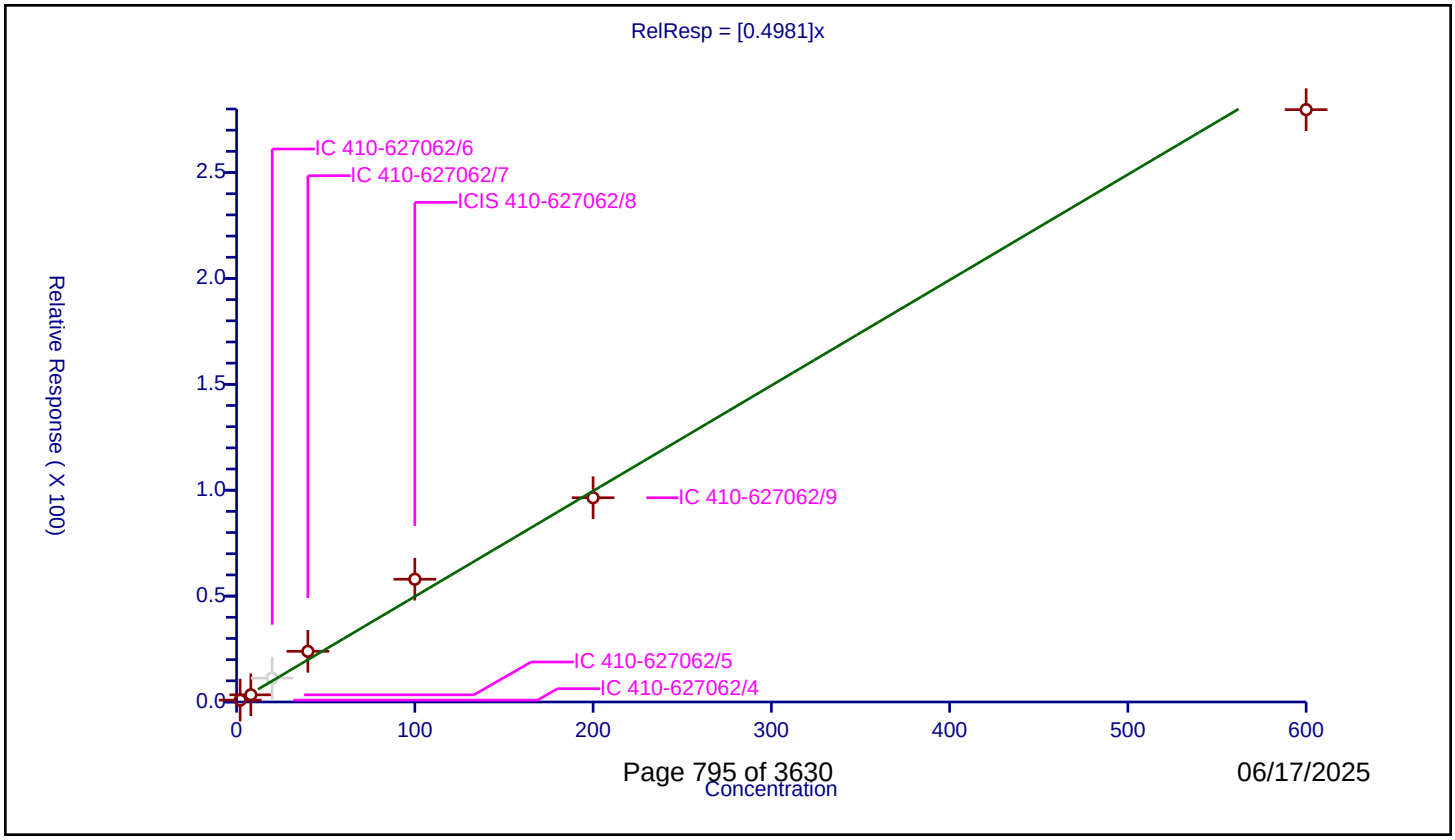
Curve Coefficients

Intercept:	0
Slope:	0.4981

Error Coefficients

Relative Standard Deviation:	14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	2.0	0.881035	50.0	818980.0	0.440517	Y
2	IC 410-627062/5	8.0	3.377609	50.0	824000.0	0.422201	Y
3	IC 410-627062/6	20.0	11.288983	50.0	794766.0	0.564449	N
4	IC 410-627062/7	40.0	23.919321	50.0	839796.0	0.597983	Y
5	ICIS 410-627062/8	100.0	57.964076	50.0	858367.0	0.579641	Y
6	IC 410-627062/9	200.0	96.451483	50.0	891330.0	0.482257	Y
7	IC 410-627062/10	600.0	279.702882	50.0	1023601.0	0.466171	Y



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Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

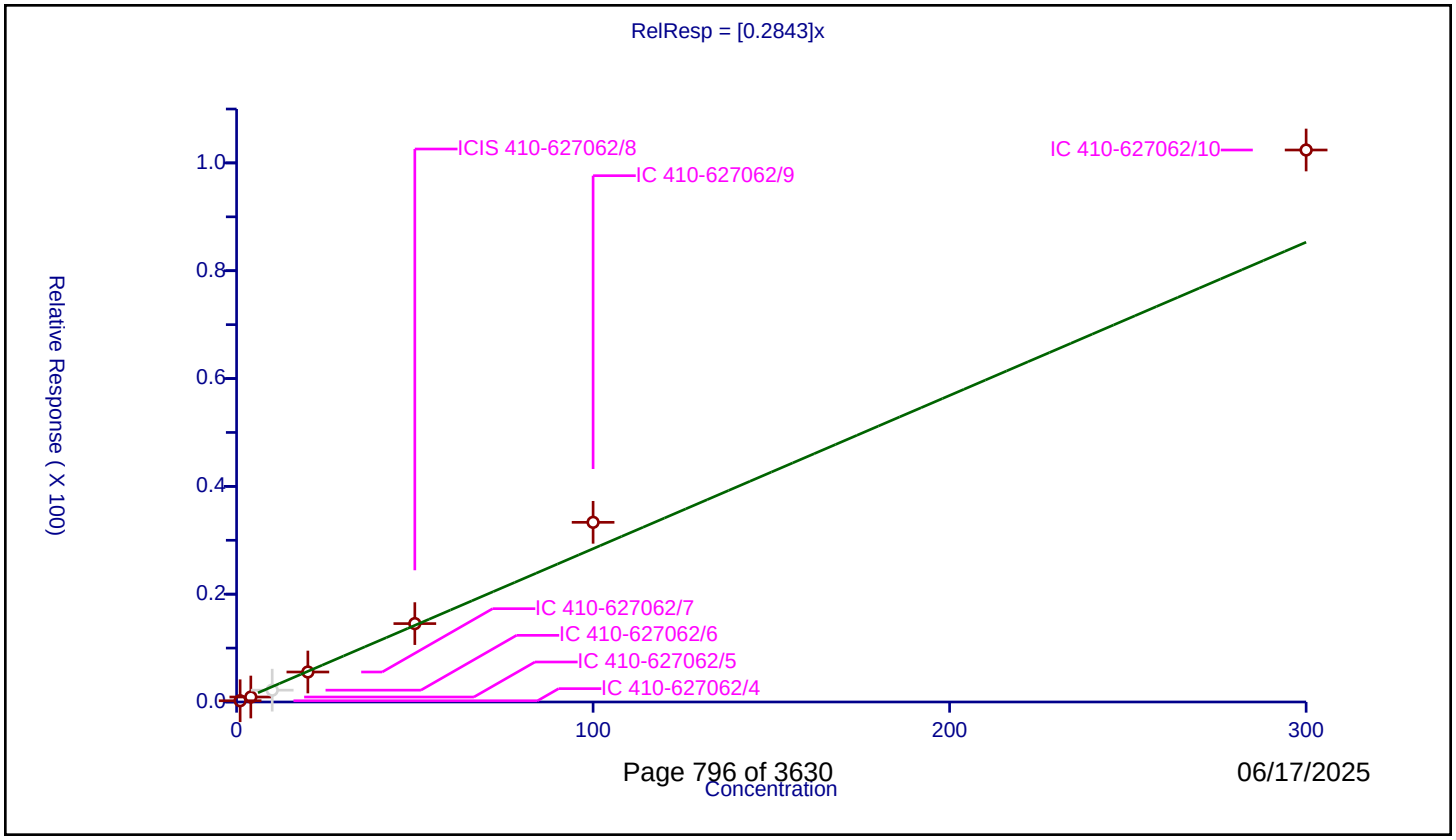
Curve Coefficients

Intercept:	0
Slope:	0.2843

Error Coefficients

Relative Standard Deviation:	16.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.231752	50.0	818980.0	0.231752	Y
2	IC 410-627062/5	4.0	0.92233	50.0	824000.0	0.230583	Y
3	IC 410-627062/6	10.0	2.192847	50.0	794766.0	0.219285	N
4	IC 410-627062/7	20.0	5.560815	50.0	839796.0	0.278041	Y
5	ICIS 410-627062/8	50.0	14.542672	50.0	858367.0	0.290853	Y
6	IC 410-627062/9	100.0	33.331594	50.0	891330.0	0.333316	Y
7	IC 410-627062/10	300.0	102.395074	50.0	1023601.0	0.341317	Y



06/17/2025

Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

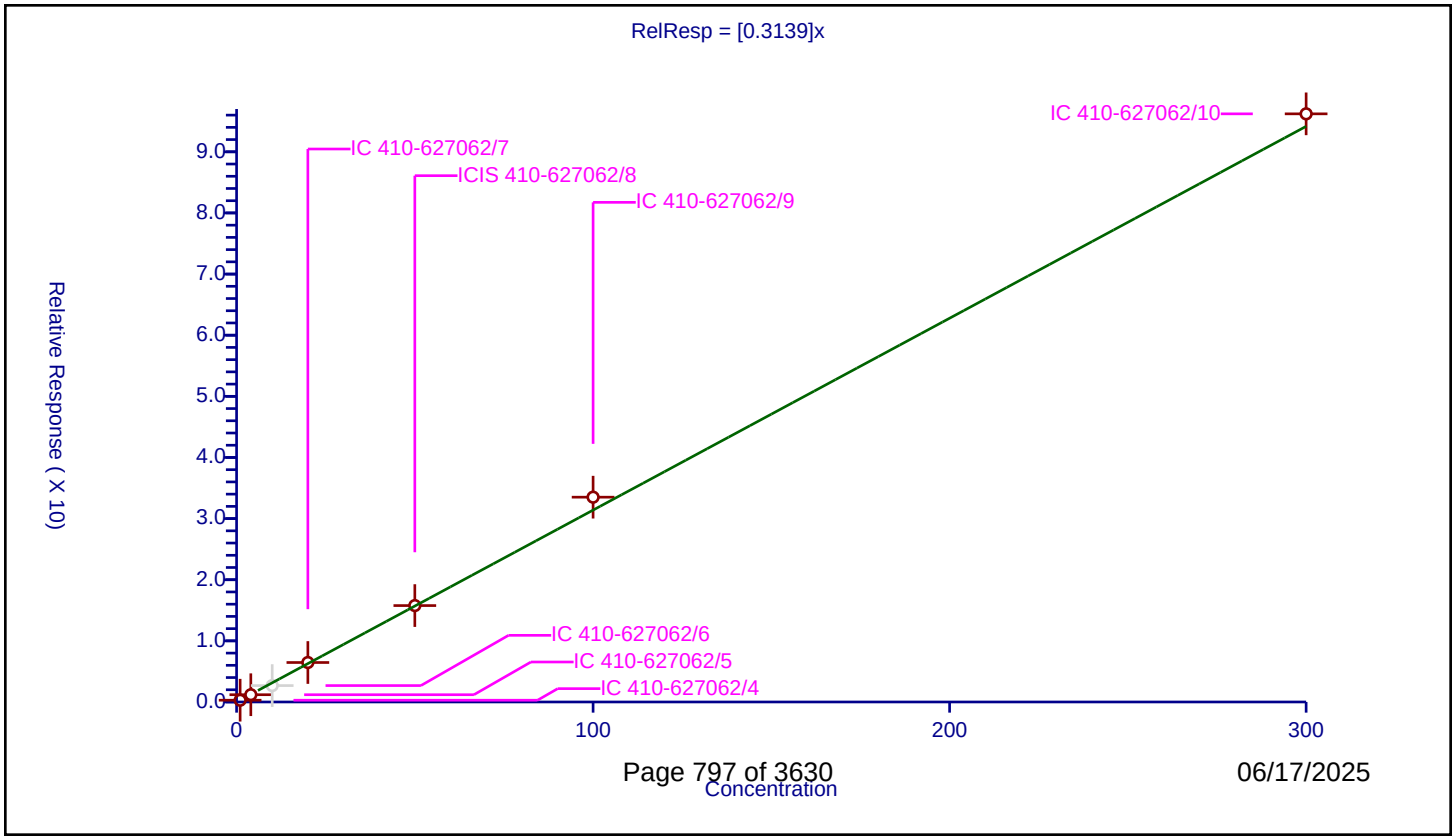
Curve Coefficients

Intercept:	0
Slope:	0.3139

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.291521	50.0	818980.0	0.291521	Y
2	IC 410-627062/5	4.0	1.190655	50.0	824000.0	0.297664	Y
3	IC 410-627062/6	10.0	2.687017	50.0	794766.0	0.268702	N
4	IC 410-627062/7	20.0	6.458295	50.0	839796.0	0.322915	Y
5	ICIS 410-627062/8	50.0	15.771925	50.0	858367.0	0.315439	Y
6	IC 410-627062/9	100.0	33.504931	50.0	891330.0	0.335049	Y
7	IC 410-627062/10	300.0	96.212049	50.0	1023601.0	0.320707	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

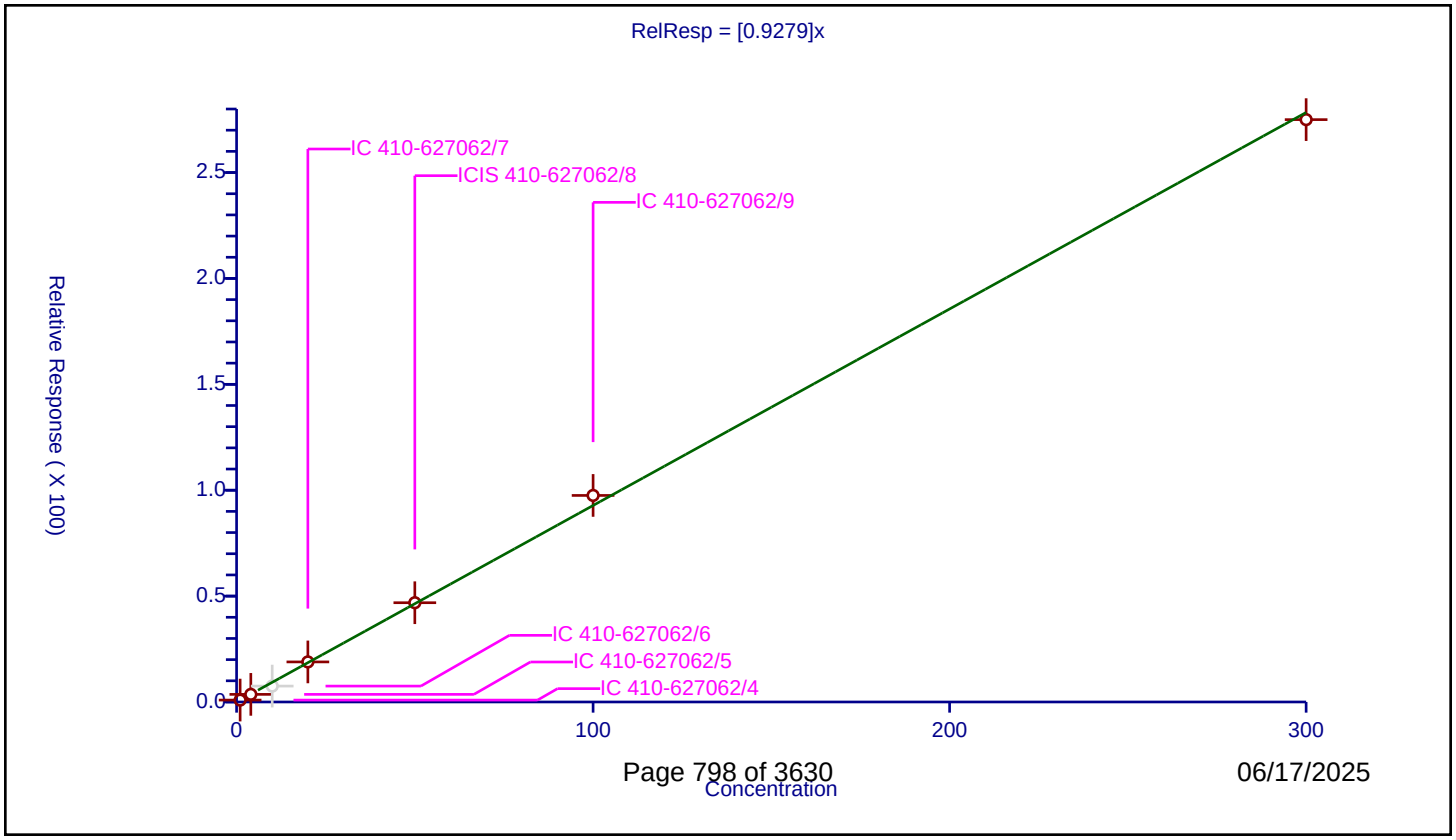
Curve Coefficients

Intercept:	0
Slope:	0.9279

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.894039	50.0	818980.0	0.894039	Y
2	IC 410-627062/5	4.0	3.590898	50.0	824000.0	0.897725	Y
3	IC 410-627062/6	10.0	7.513784	50.0	794766.0	0.751378	N
4	IC 410-627062/7	20.0	18.920786	50.0	839796.0	0.946039	Y
5	ICIS 410-627062/8	50.0	46.877618	50.0	858367.0	0.937552	Y
6	IC 410-627062/9	100.0	97.534415	50.0	891330.0	0.975344	Y
7	IC 410-627062/10	300.0	274.986445	50.0	1023601.0	0.916621	Y



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Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

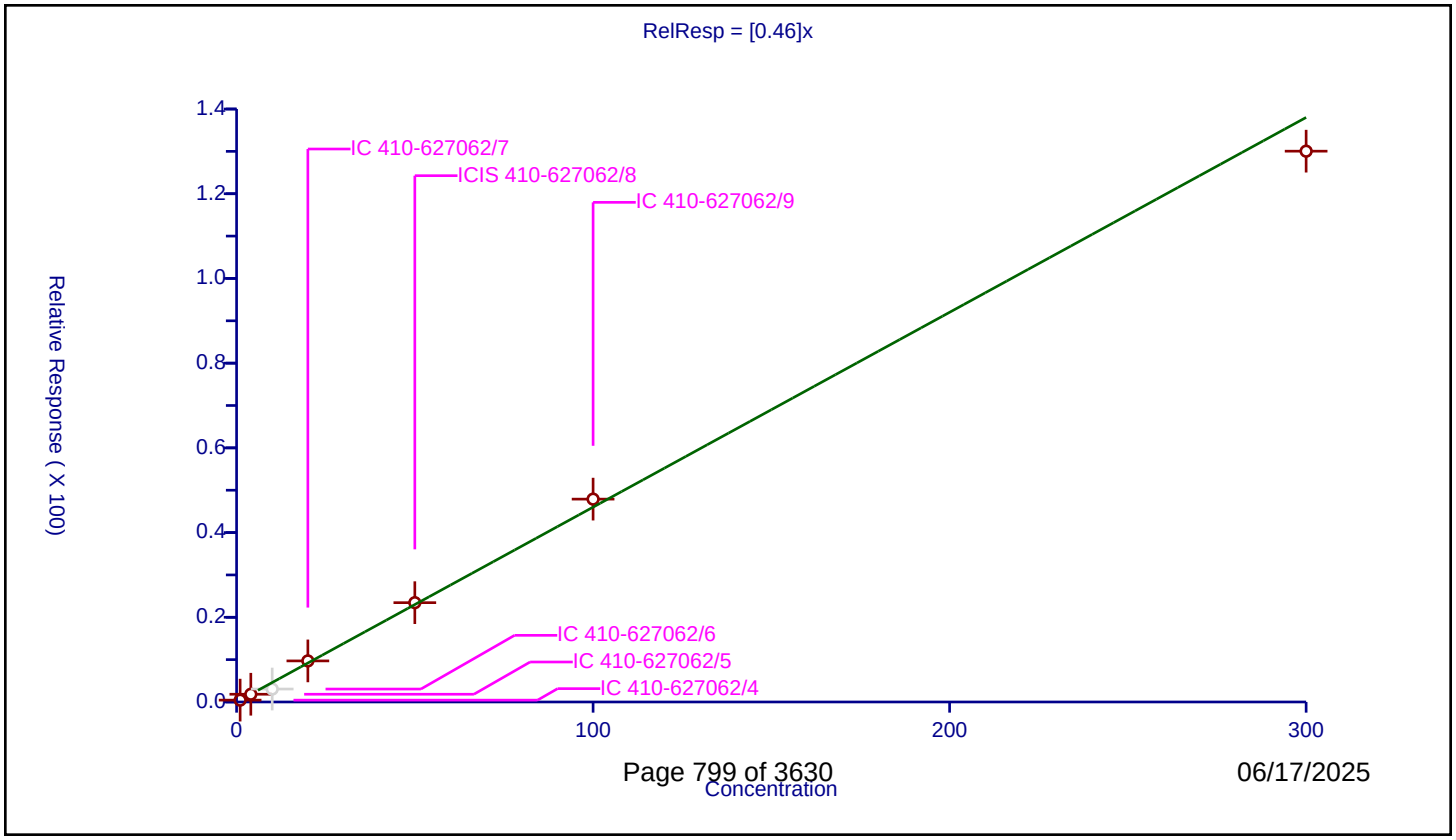
Curve Coefficients

Intercept:	0
Slope:	0.46

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.435969	50.0	818980.0	0.435969	Y
2	IC 410-627062/5	4.0	1.831007	50.0	824000.0	0.457752	Y
3	IC 410-627062/6	10.0	3.055931	50.0	794766.0	0.305593	N
4	IC 410-627062/7	20.0	9.701642	50.0	839796.0	0.485082	Y
5	ICIS 410-627062/8	50.0	23.447546	50.0	858367.0	0.468951	Y
6	IC 410-627062/9	100.0	47.895729	50.0	891330.0	0.478957	Y
7	IC 410-627062/10	300.0	130.049111	50.0	1023601.0	0.433497	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

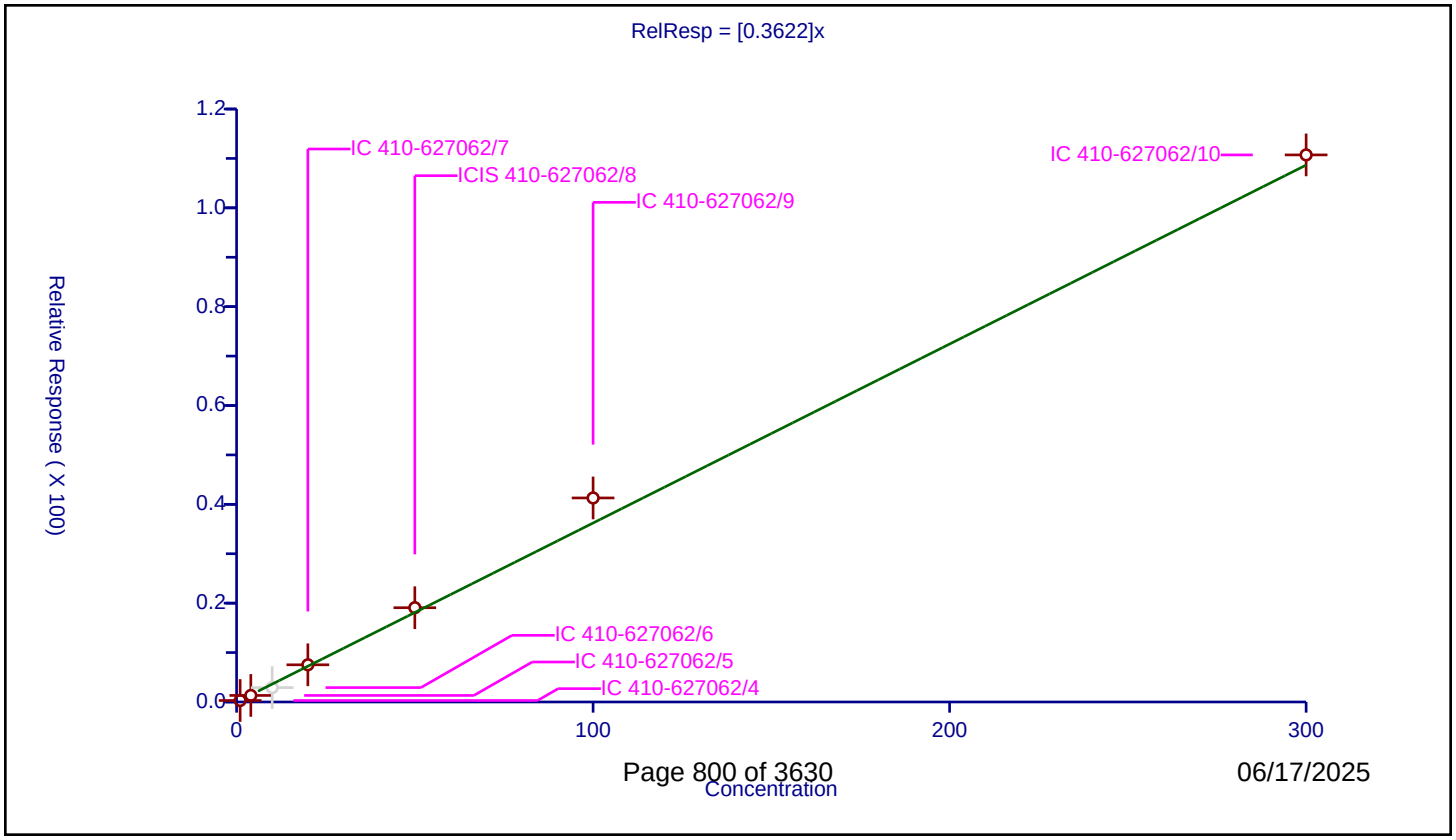
Curve Coefficients

Intercept:	0
Slope:	0.3622

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.302144	50.0	818980.0	0.302144	Y
2	IC 410-627062/5	4.0	1.325121	50.0	824000.0	0.33128	Y
3	IC 410-627062/6	10.0	2.913185	50.0	794766.0	0.291318	N
4	IC 410-627062/7	20.0	7.524089	50.0	839796.0	0.376204	Y
5	ICIS 410-627062/8	50.0	19.07896	50.0	858367.0	0.381579	Y
6	IC 410-627062/9	100.0	41.28886	50.0	891330.0	0.412889	Y
7	IC 410-627062/10	300.0	110.713012	50.0	1023601.0	0.369043	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

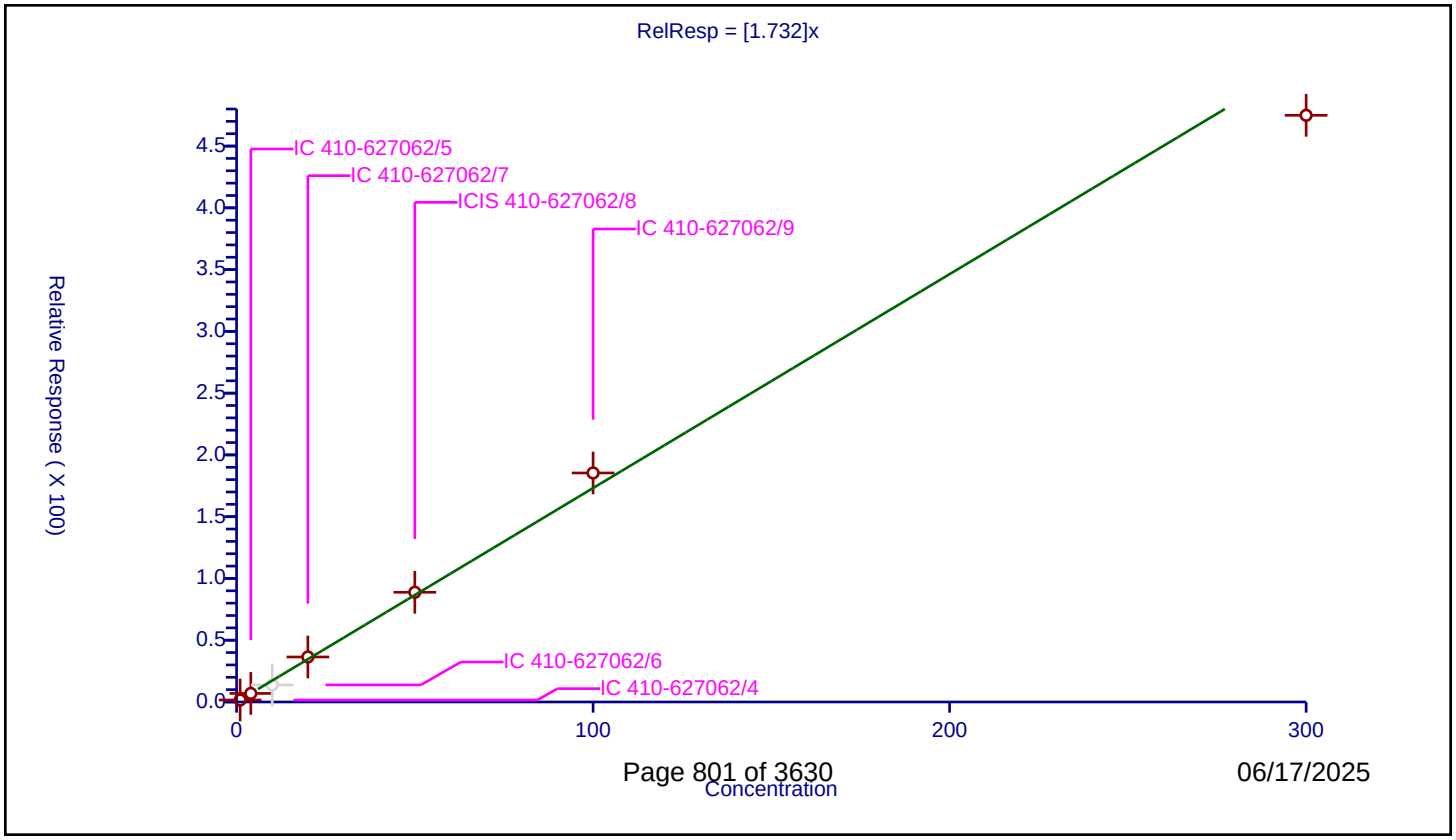
Curve Coefficients

Intercept:	0
Slope:	1.732

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	1.617622	50.0	818980.0	1.617622	Y
2	IC 410-627062/5	4.0	6.949757	50.0	824000.0	1.737439	Y
3	IC 410-627062/6	10.0	13.835519	50.0	794766.0	1.383552	N
4	IC 410-627062/7	20.0	36.425156	50.0	839796.0	1.821258	Y
5	ICIS 410-627062/8	50.0	88.818769	50.0	858367.0	1.776375	Y
6	IC 410-627062/9	100.0	185.394972	50.0	891330.0	1.85395	Y
7	IC 410-627062/10	300.0	474.909022	50.0	1023601.0	1.58303	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

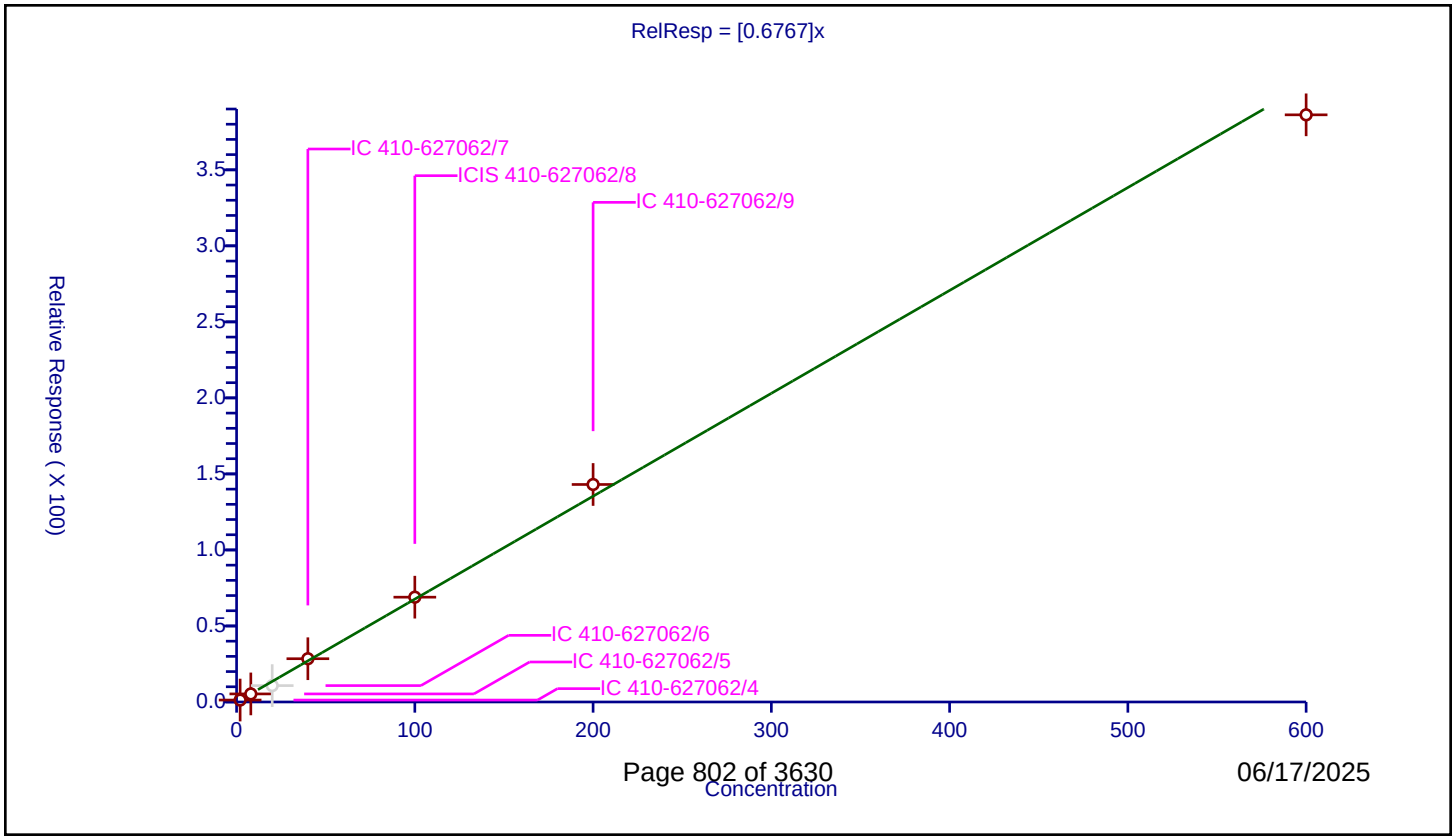
Curve Coefficients

Intercept:	0
Slope:	0.6767

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	2.0	1.274146	50.0	818980.0	0.637073	Y
2	IC 410-627062/5	8.0	5.306675	50.0	824000.0	0.663334	Y
3	IC 410-627062/6	20.0	10.777323	50.0	794766.0	0.538866	N
4	IC 410-627062/7	40.0	28.455363	50.0	839796.0	0.711384	Y
5	ICIS 410-627062/8	100.0	68.943121	50.0	858367.0	0.689431	Y
6	IC 410-627062/9	200.0	143.048815	50.0	891330.0	0.715244	Y
7	IC 410-627062/10	600.0	386.170393	50.0	1023601.0	0.643617	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

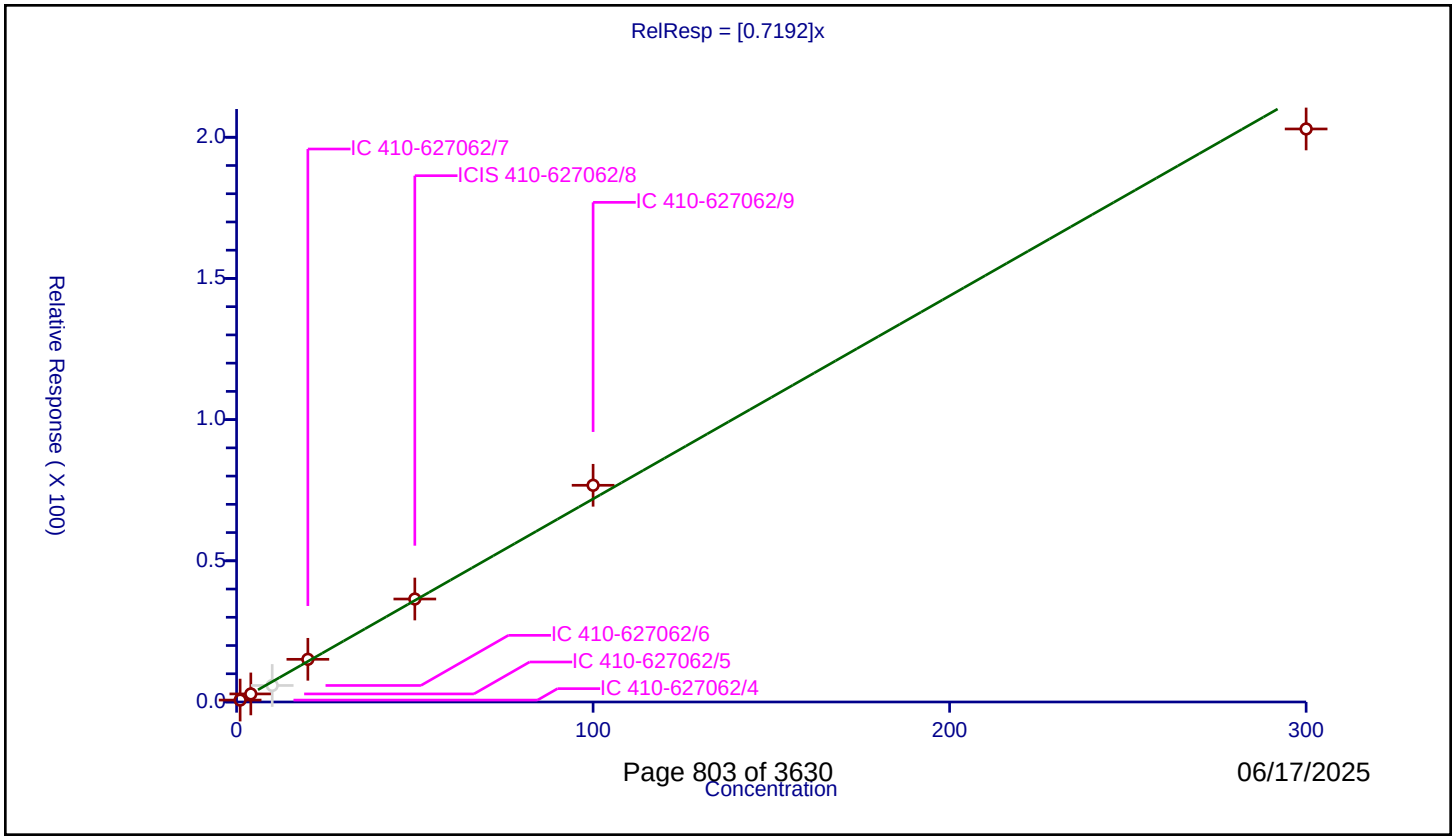
Curve Coefficients

Intercept:	0
Slope:	0.7192

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.671689	50.0	818980.0	0.671689	Y
2	IC 410-627062/5	4.0	2.857828	50.0	824000.0	0.714457	Y
3	IC 410-627062/6	10.0	5.846501	50.0	794766.0	0.58465	N
4	IC 410-627062/7	20.0	15.111765	50.0	839796.0	0.755588	Y
5	ICIS 410-627062/8	50.0	36.466803	50.0	858367.0	0.729336	Y
6	IC 410-627062/9	100.0	76.742116	50.0	891330.0	0.767421	Y
7	IC 410-627062/10	300.0	202.932539	50.0	1023601.0	0.676442	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

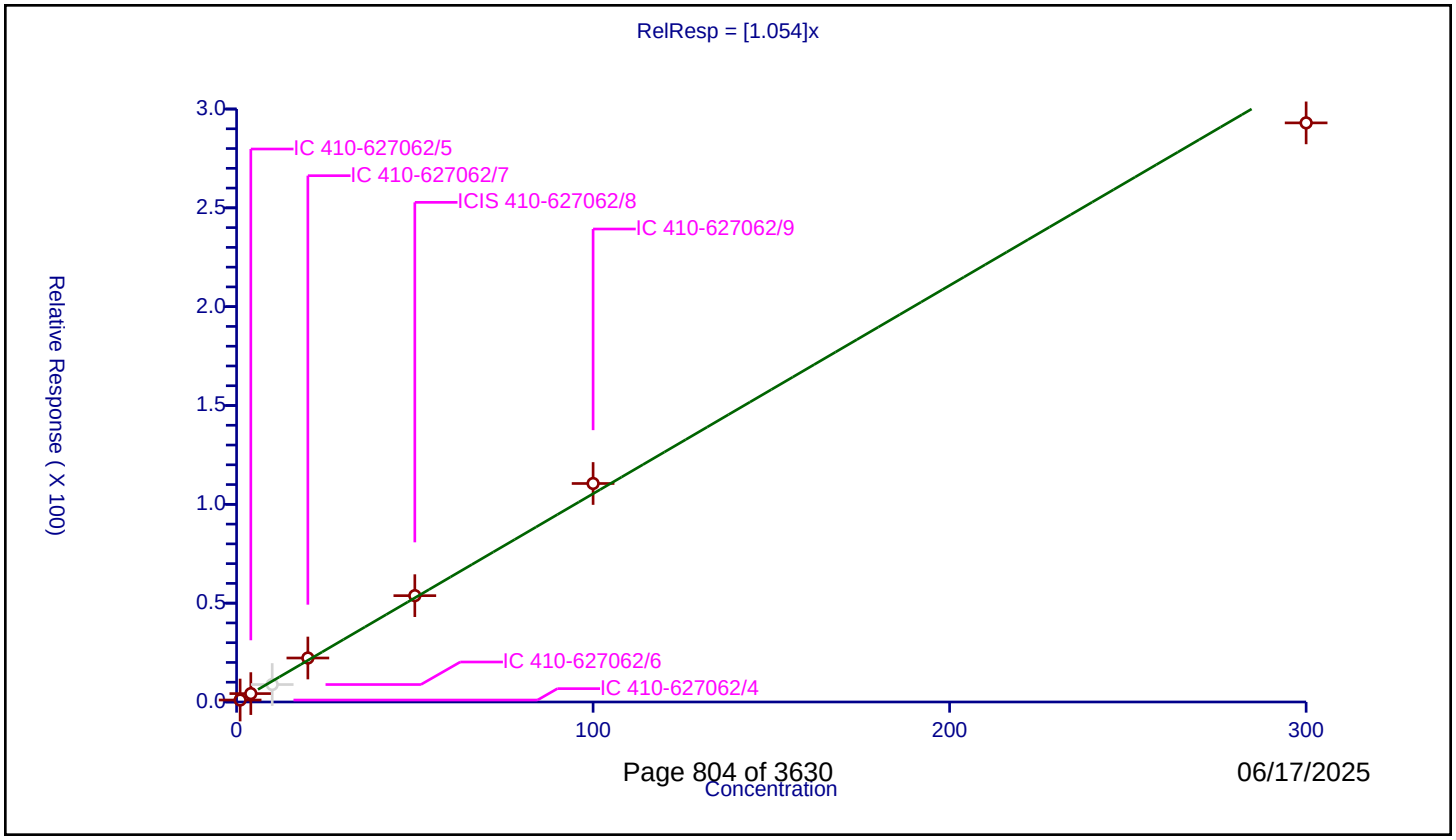
Curve Coefficients

Intercept:	0
Slope:	1.054

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.990989	50.0	818980.0	0.990989	Y
2	IC 410-627062/5	4.0	4.241566	50.0	824000.0	1.060391	Y
3	IC 410-627062/6	10.0	8.831908	50.0	794766.0	0.883191	N
4	IC 410-627062/7	20.0	22.256298	50.0	839796.0	1.112815	Y
5	ICIS 410-627062/8	50.0	53.794764	50.0	858367.0	1.075895	Y
6	IC 410-627062/9	100.0	110.546655	50.0	891330.0	1.105467	Y
7	IC 410-627062/10	300.0	292.981298	50.0	1023601.0	0.976604	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

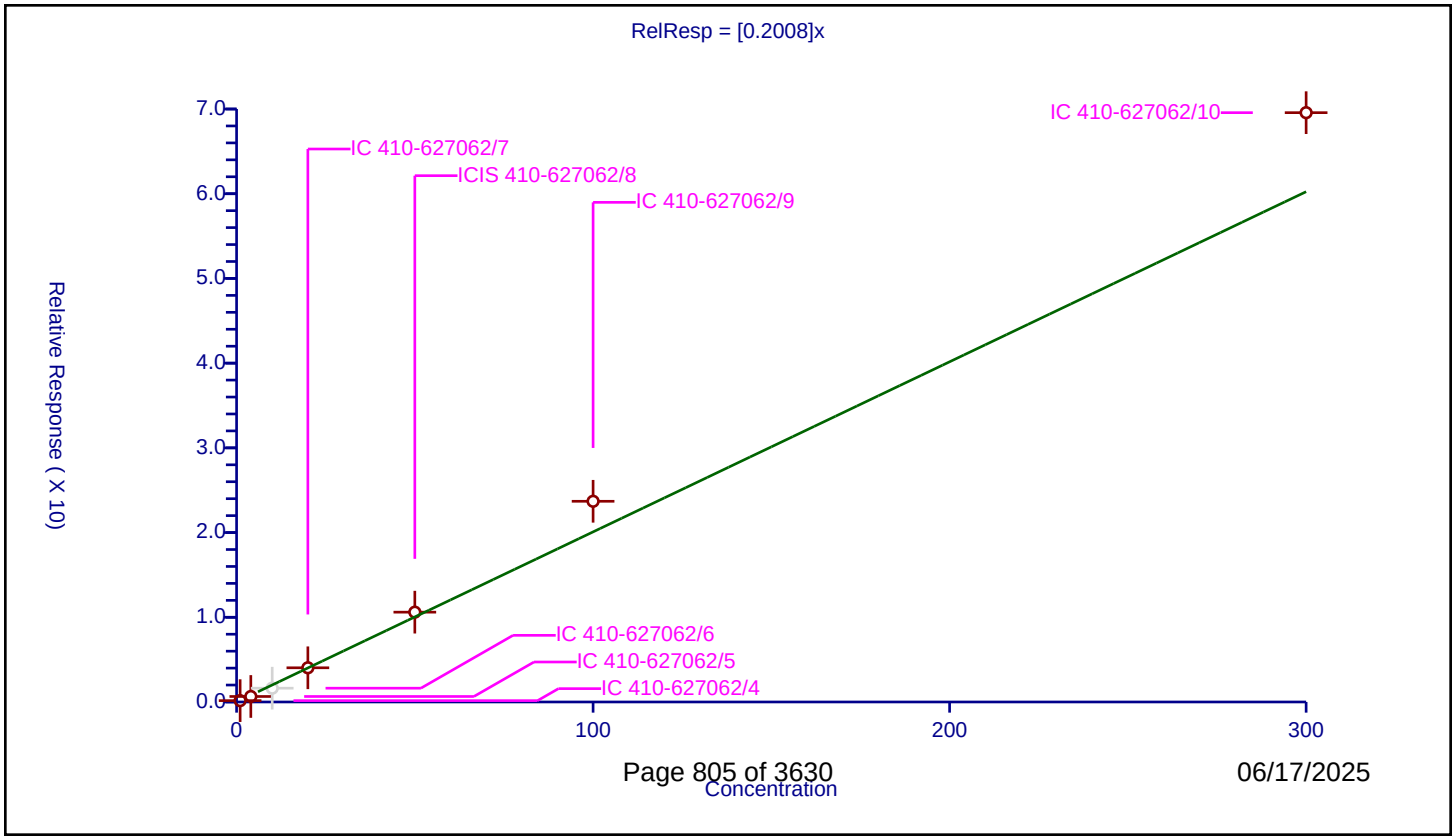
Curve Coefficients

Intercept:	0
Slope:	0.2008

Error Coefficients

Relative Standard Deviation:	16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.159528	50.0	818980.0	0.159528	Y
2	IC 410-627062/5	4.0	0.649939	50.0	824000.0	0.162485	Y
3	IC 410-627062/6	10.0	1.629222	50.0	794766.0	0.162922	N
4	IC 410-627062/7	20.0	4.03723	50.0	839796.0	0.201862	Y
5	ICIS 410-627062/8	50.0	10.603099	50.0	858367.0	0.212062	Y
6	IC 410-627062/9	100.0	23.694199	50.0	891330.0	0.236942	Y
7	IC 410-627062/10	300.0	69.567585	50.0	1023601.0	0.231892	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

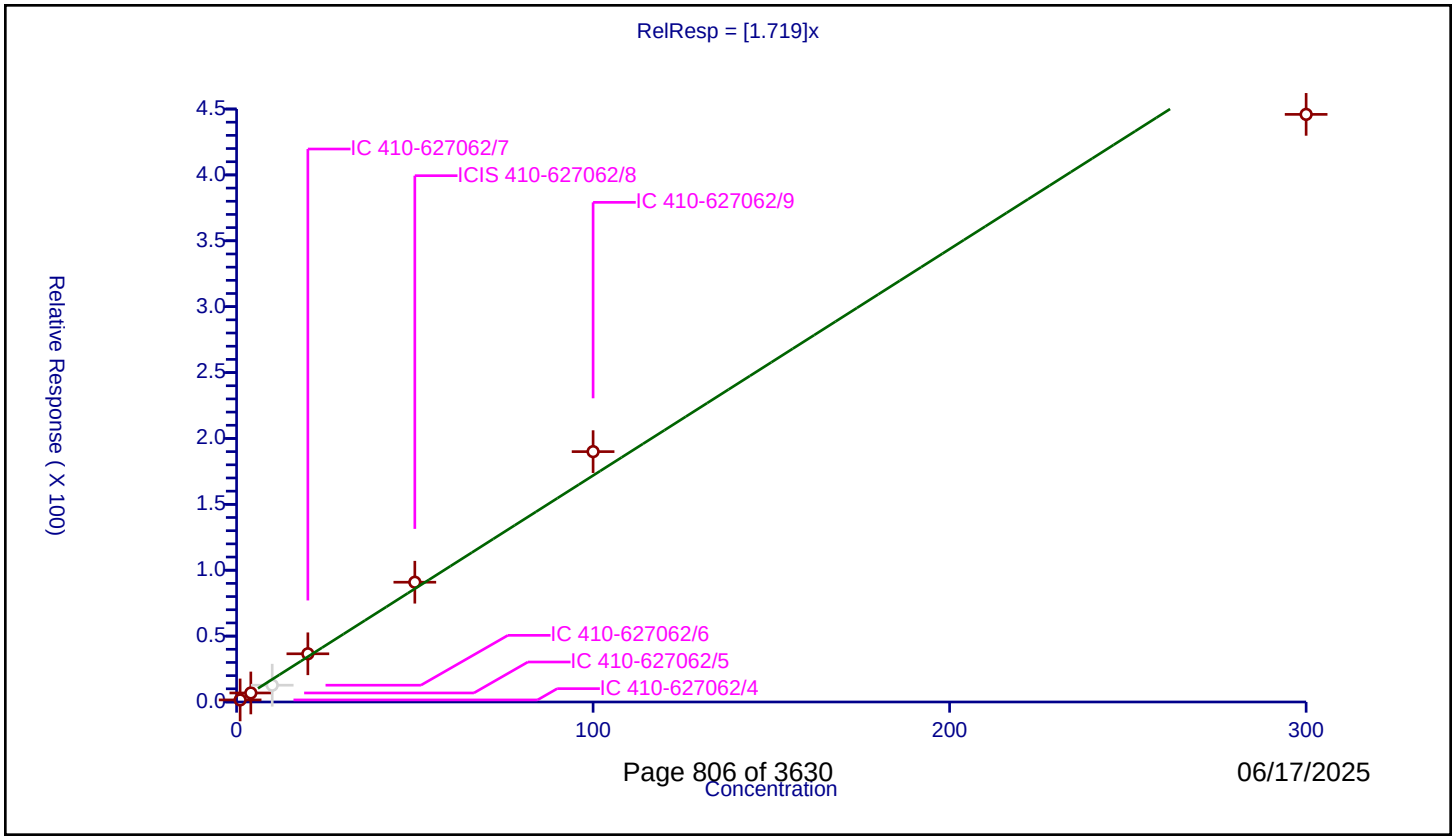
Curve Coefficients

Intercept:	0
Slope:	1.719

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	1.565484	50.0	818980.0	1.565484	Y
2	IC 410-627062/5	4.0	6.850485	50.0	824000.0	1.712621	Y
3	IC 410-627062/6	10.0	12.730351	50.0	794766.0	1.273035	N
4	IC 410-627062/7	20.0	36.586147	50.0	839796.0	1.829307	Y
5	ICIS 410-627062/8	50.0	90.890784	50.0	858367.0	1.817816	Y
6	IC 410-627062/9	100.0	189.994951	50.0	891330.0	1.89995	Y
7	IC 410-627062/10	300.0	445.922288	50.0	1023601.0	1.486408	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

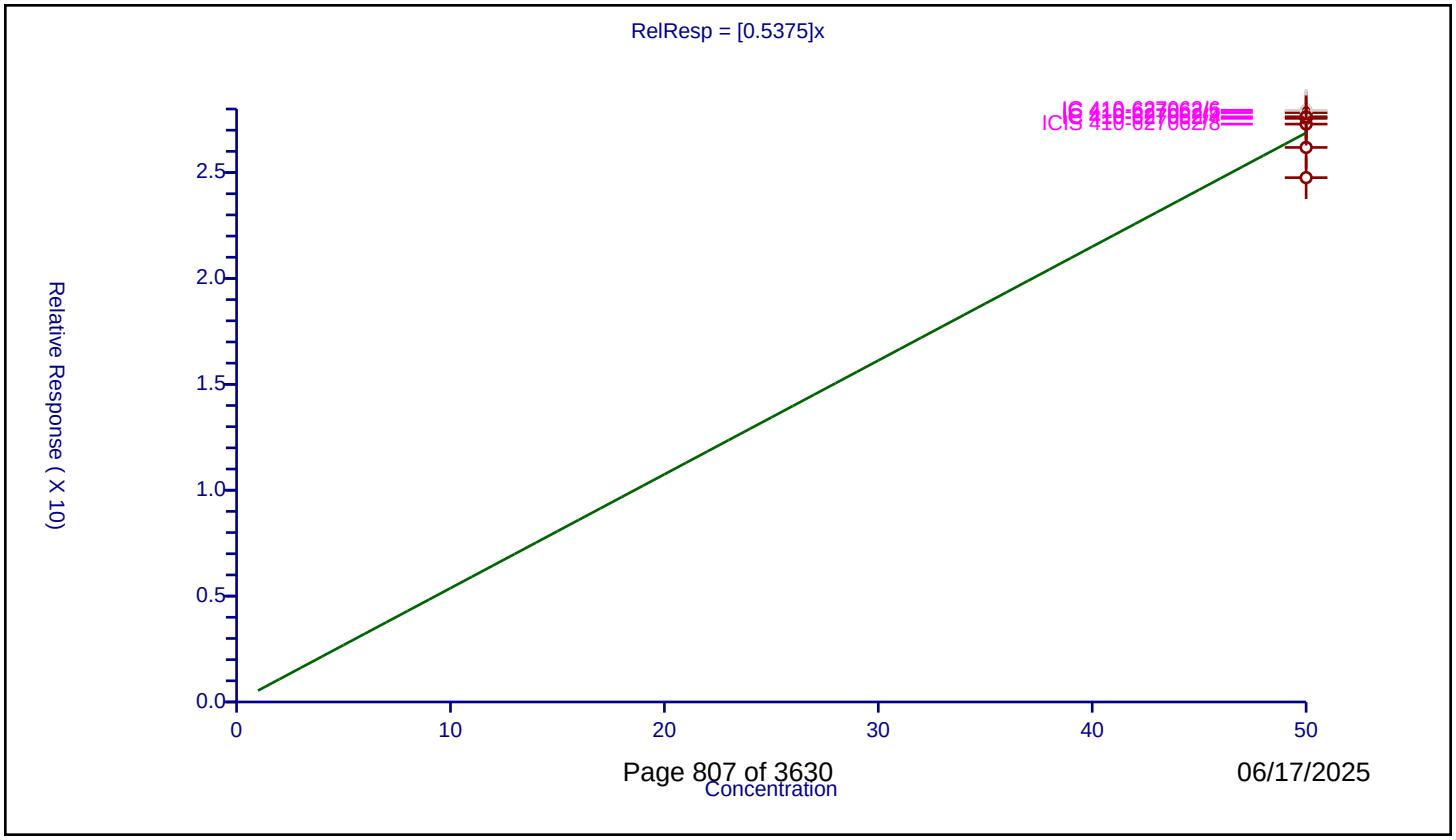
Curve Coefficients

Intercept:	0
Slope:	0.5375

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	50.0	27.55745	50.0	818980.0	0.551149	Y
2	IC 410-627062/5	50.0	27.830765	50.0	824000.0	0.556615	Y
3	IC 410-627062/6	50.0	27.939041	50.0	794766.0	0.558781	N
4	IC 410-627062/7	50.0	27.635045	50.0	839796.0	0.552701	Y
5	ICIS 410-627062/8	50.0	27.287454	50.0	858367.0	0.545749	Y
6	IC 410-627062/9	50.0	26.186093	50.0	891330.0	0.523722	Y
7	IC 410-627062/10	50.0	24.758719	50.0	1023601.0	0.495174	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

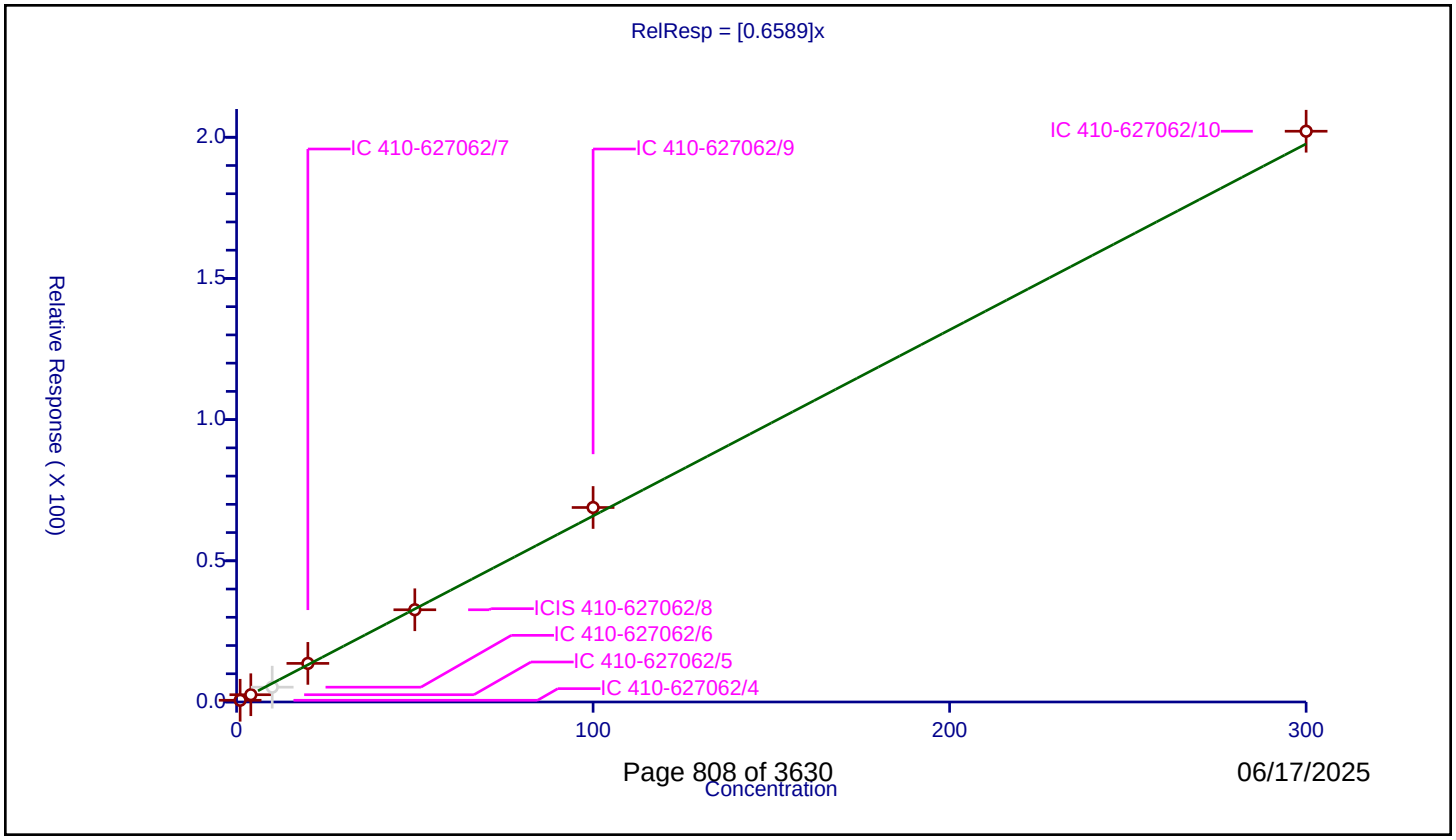
Curve Coefficients

Intercept:	0
Slope:	0.6589

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.61091	50.0	517834.0	0.61091	Y
2	IC 410-627062/5	4.0	2.571642	50.0	518268.0	0.642911	Y
3	IC 410-627062/6	10.0	5.246879	50.0	503547.0	0.524688	N
4	IC 410-627062/7	20.0	13.673162	50.0	515828.0	0.683658	Y
5	ICIS 410-627062/8	50.0	32.663945	50.0	519778.0	0.653279	Y
6	IC 410-627062/9	100.0	68.87771	50.0	524383.0	0.688777	Y
7	IC 410-627062/10	300.0	202.13037	50.0	555373.0	0.673768	Y



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Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

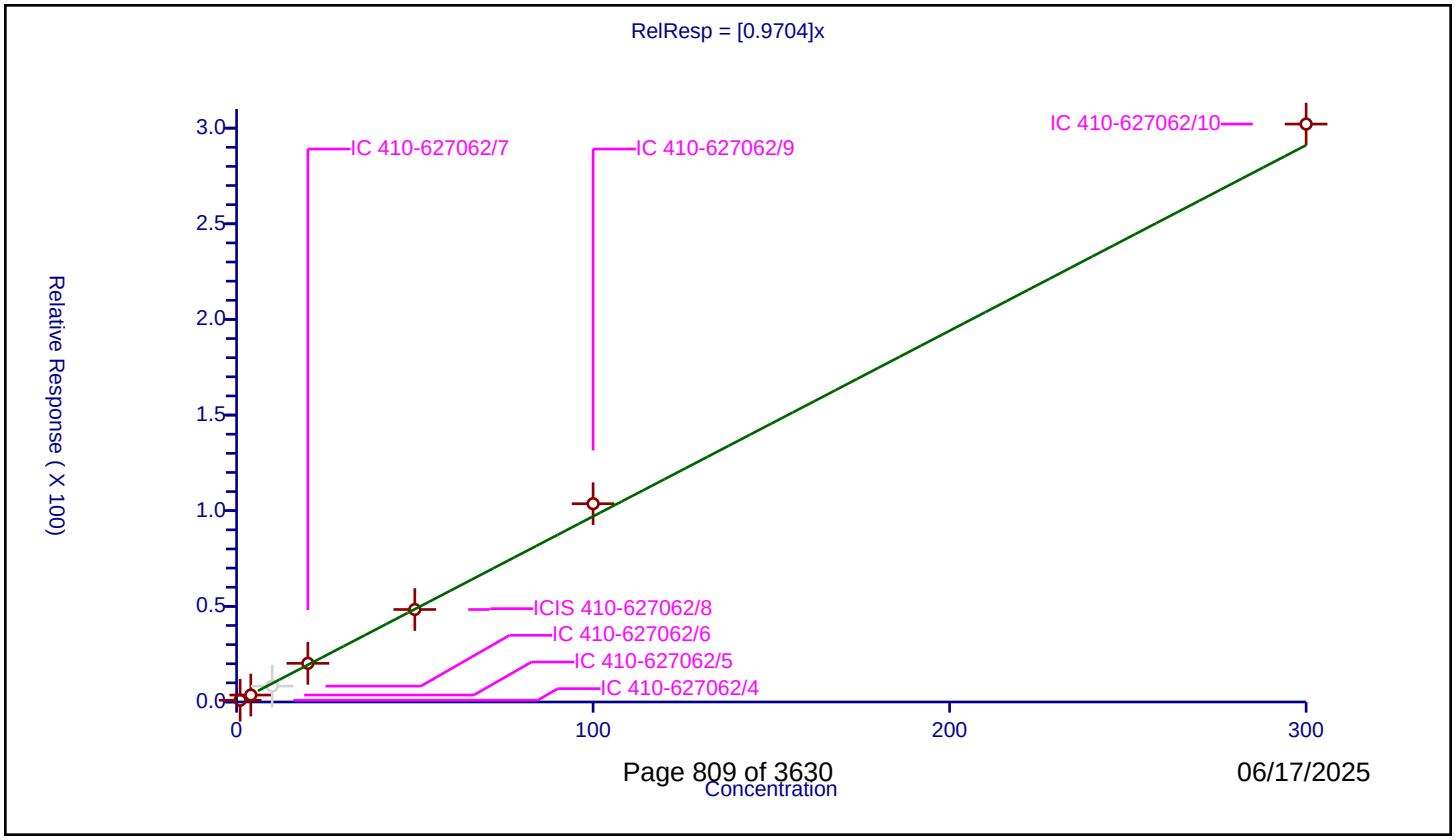
Curve Coefficients

Intercept:	0
Slope:	0.9704

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.893819	50.0	517834.0	0.893819	Y
2	IC 410-627062/5	4.0	3.629782	50.0	518268.0	0.907446	Y
3	IC 410-627062/6	10.0	8.303197	50.0	503547.0	0.83032	N
4	IC 410-627062/7	20.0	20.200629	50.0	515828.0	1.010031	Y
5	ICIS 410-627062/8	50.0	48.3593	50.0	519778.0	0.967186	Y
6	IC 410-627062/9	100.0	103.656297	50.0	524383.0	1.036563	Y
7	IC 410-627062/10	300.0	302.137482	50.0	555373.0	1.007125	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

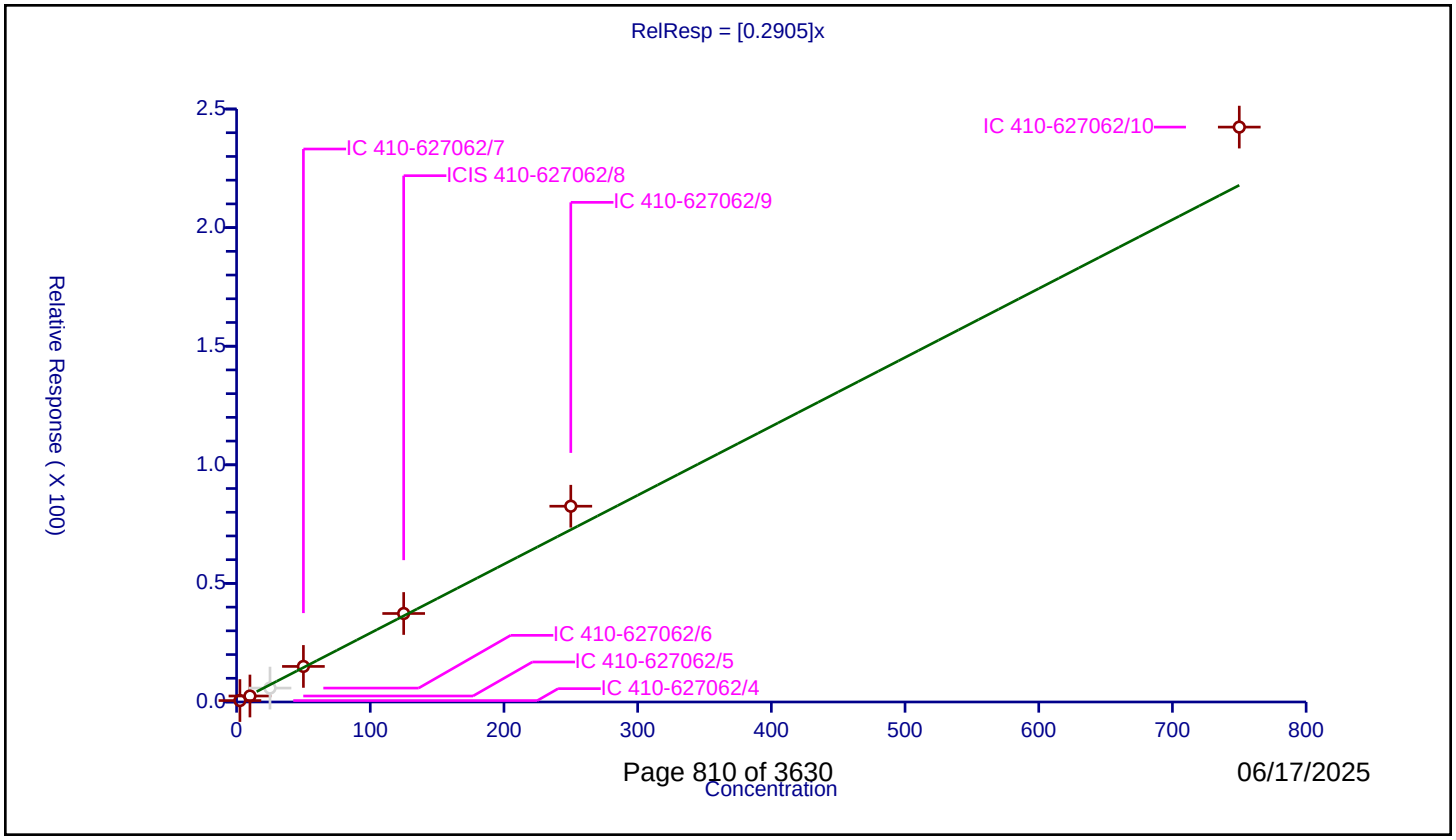
Curve Coefficients

Intercept:	0
Slope:	0.2905

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	2.5	0.598261	50.0	517834.0	0.239304	Y
2	IC 410-627062/5	10.0	2.519449	50.0	518268.0	0.251945	Y
3	IC 410-627062/6	25.0	5.867575	50.0	503547.0	0.234703	N
4	IC 410-627062/7	50.0	14.996762	50.0	515828.0	0.299935	Y
5	ICIS 410-627062/8	125.0	37.305157	50.0	519778.0	0.298441	Y
6	IC 410-627062/9	250.0	82.540529	50.0	524383.0	0.330162	Y
7	IC 410-627062/10	750.0	242.378366	50.0	555373.0	0.323171	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

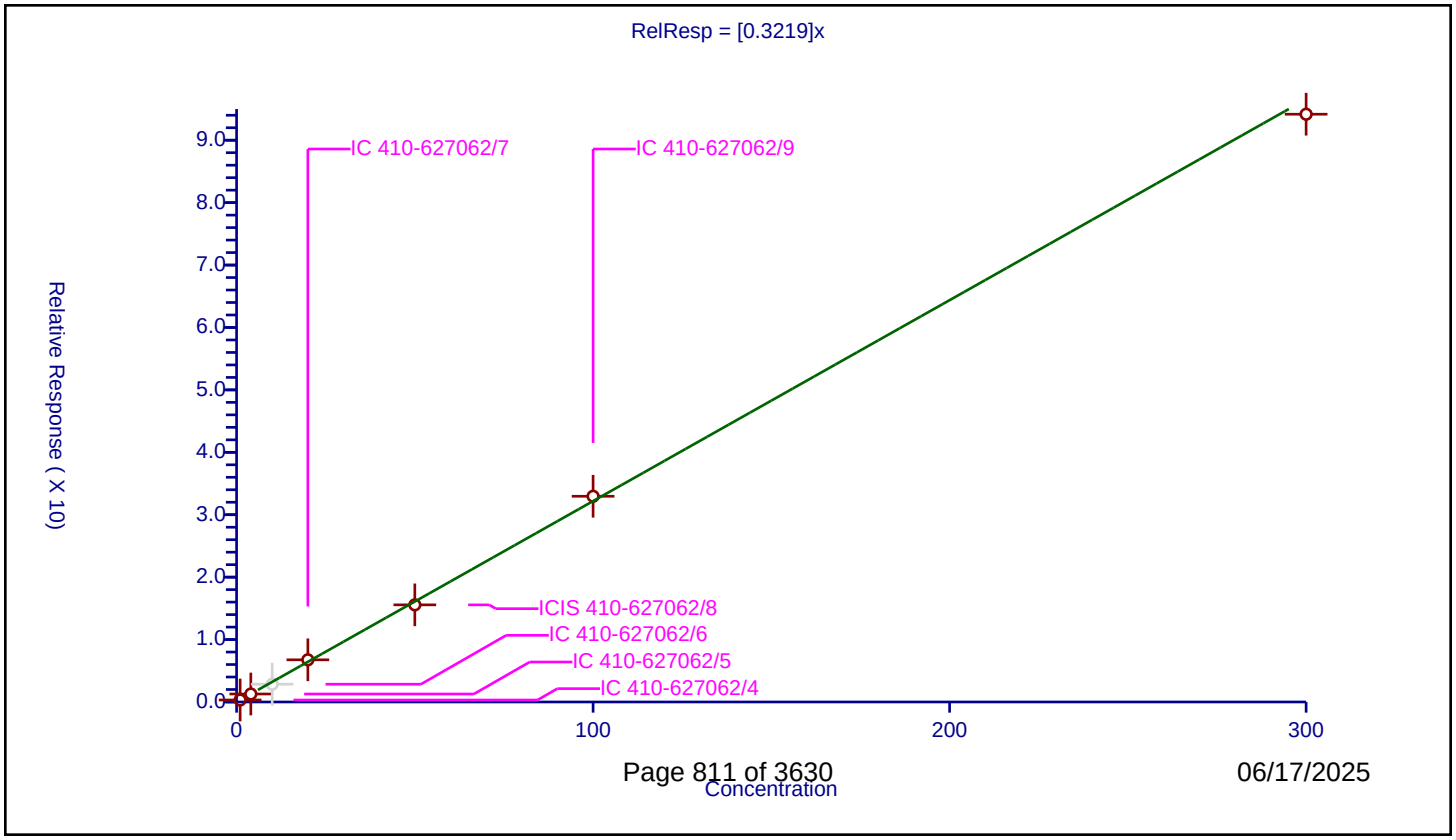
Curve Coefficients

Intercept:	0
Slope:	0.3219

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.318828	50.0	517834.0	0.318828	Y
2	IC 410-627062/5	4.0	1.27955	50.0	518268.0	0.319888	Y
3	IC 410-627062/6	10.0	2.849585	50.0	503547.0	0.284959	N
4	IC 410-627062/7	20.0	6.75797	50.0	515828.0	0.337898	Y
5	ICIS 410-627062/8	50.0	15.55972	50.0	519778.0	0.311194	Y
6	IC 410-627062/9	100.0	32.957686	50.0	524383.0	0.329577	Y
7	IC 410-627062/10	300.0	94.168964	50.0	555373.0	0.313897	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

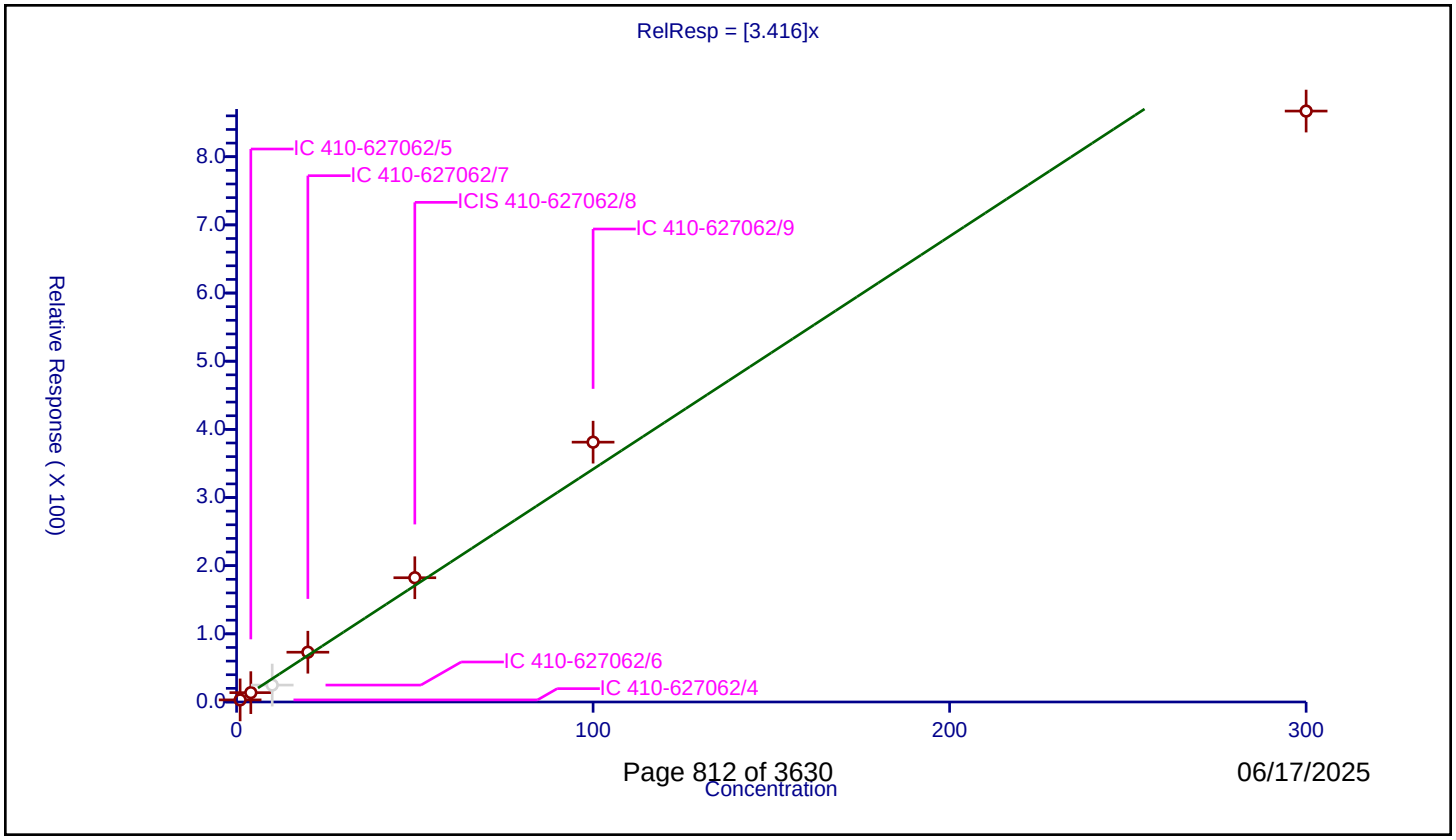
Curve Coefficients

Intercept:	0
Slope:	3.416

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	3.064592	50.0	517834.0	3.064592	Y
2	IC 410-627062/5	4.0	13.730541	50.0	518268.0	3.432635	Y
3	IC 410-627062/6	10.0	24.837602	50.0	503547.0	2.48376	N
4	IC 410-627062/7	20.0	73.02851	50.0	515828.0	3.651425	Y
5	ICIS 410-627062/8	50.0	182.287919	50.0	519778.0	3.645758	Y
6	IC 410-627062/9	100.0	381.197522	50.0	524383.0	3.811975	Y
7	IC 410-627062/10	300.0	866.974628	50.0	555373.0	2.889915	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

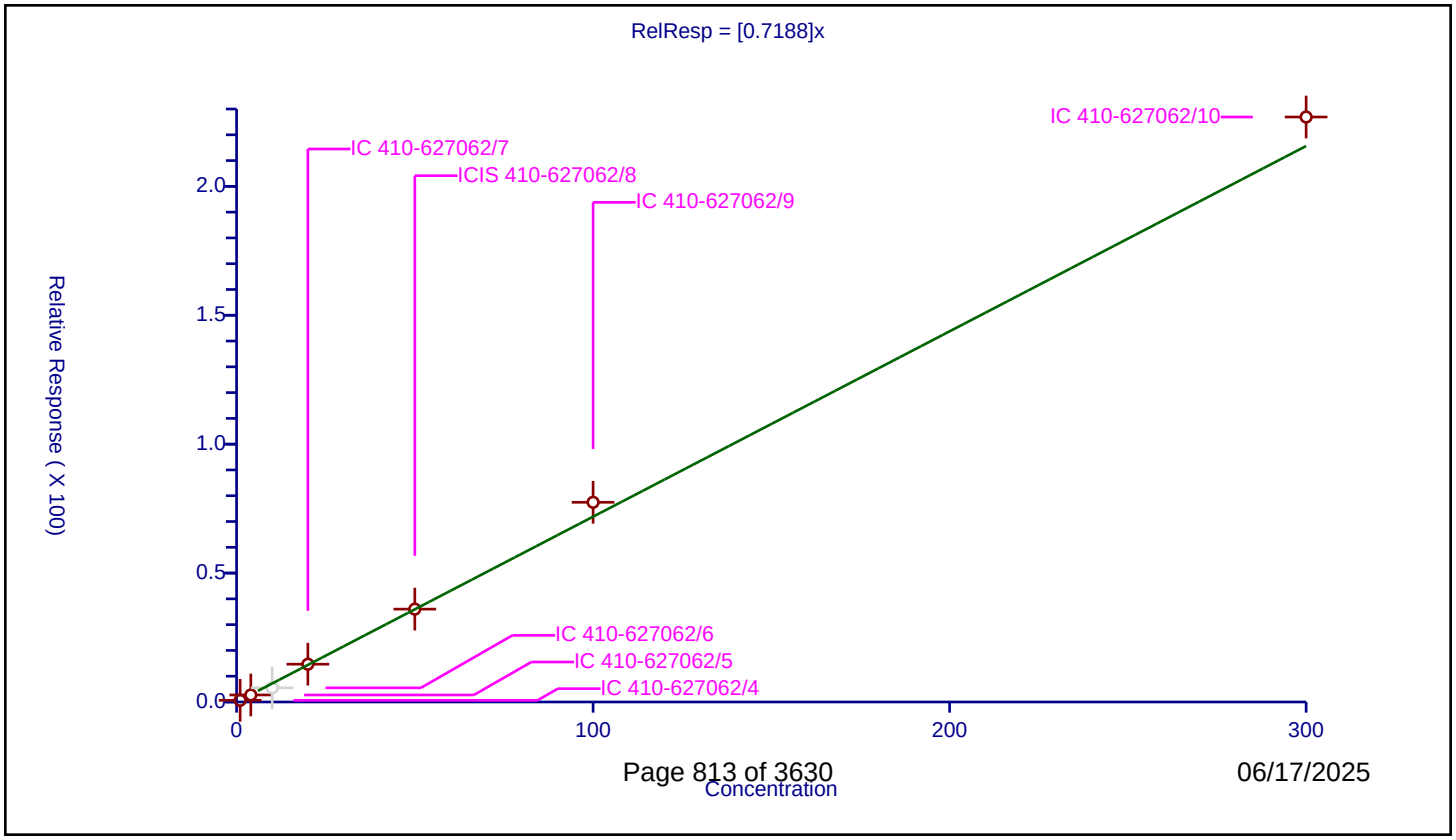
Curve Coefficients

Intercept:	0
Slope:	0.7188

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.647215	50.0	517834.0	0.647215	Y
2	IC 410-627062/5	4.0	2.725038	50.0	518268.0	0.68126	Y
3	IC 410-627062/6	10.0	5.491047	50.0	503547.0	0.549105	N
4	IC 410-627062/7	20.0	14.659732	50.0	515828.0	0.732987	Y
5	ICIS 410-627062/8	50.0	36.024707	50.0	519778.0	0.720494	Y
6	IC 410-627062/9	100.0	77.46094	50.0	524383.0	0.774609	Y
7	IC 410-627062/10	300.0	226.893367	50.0	555373.0	0.756311	Y



06/17/2025

Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

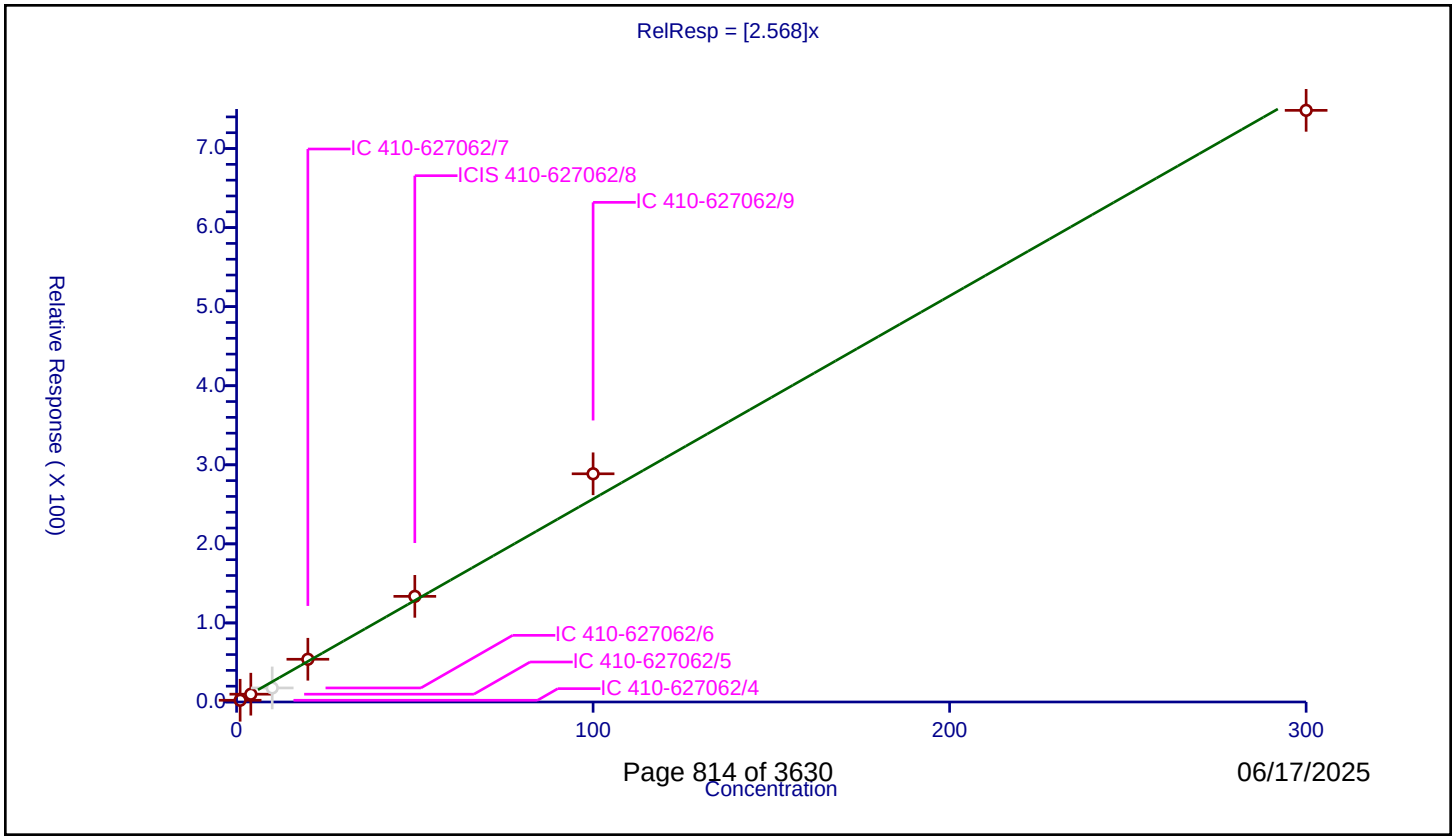
Curve Coefficients

Intercept:	0
Slope:	2.568

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	2.189408	50.0	517834.0	2.189408	Y
2	IC 410-627062/5	4.0	9.850213	50.0	518268.0	2.462553	Y
3	IC 410-627062/6	10.0	17.770039	50.0	503547.0	1.777004	N
4	IC 410-627062/7	20.0	54.048346	50.0	515828.0	2.702417	Y
5	ICIS 410-627062/8	50.0	133.630896	50.0	519778.0	2.672618	Y
6	IC 410-627062/9	100.0	288.615287	50.0	524383.0	2.886153	Y
7	IC 410-627062/10	300.0	748.32626	50.0	555373.0	2.494421	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

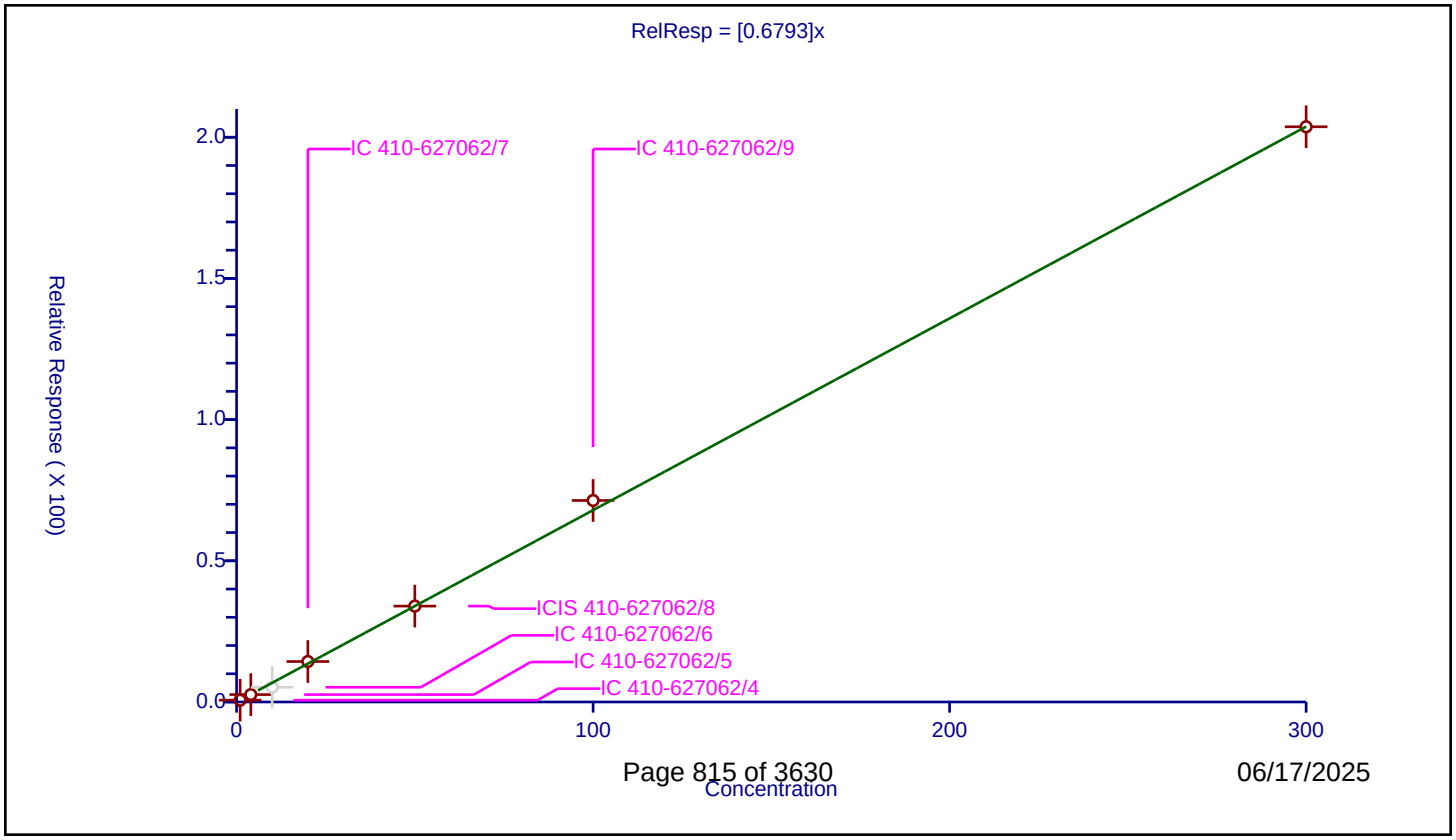
Curve Coefficients

Intercept:	0
Slope:	0.6793

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.633021	50.0	517834.0	0.633021	Y
2	IC 410-627062/5	4.0	2.616214	50.0	518268.0	0.654054	Y
3	IC 410-627062/6	10.0	5.21421	50.0	503547.0	0.521421	N
4	IC 410-627062/7	20.0	14.334332	50.0	515828.0	0.716717	Y
5	ICIS 410-627062/8	50.0	33.953534	50.0	519778.0	0.679071	Y
6	IC 410-627062/9	100.0	71.364728	50.0	524383.0	0.713647	Y
7	IC 410-627062/10	300.0	203.708138	50.0	555373.0	0.679027	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

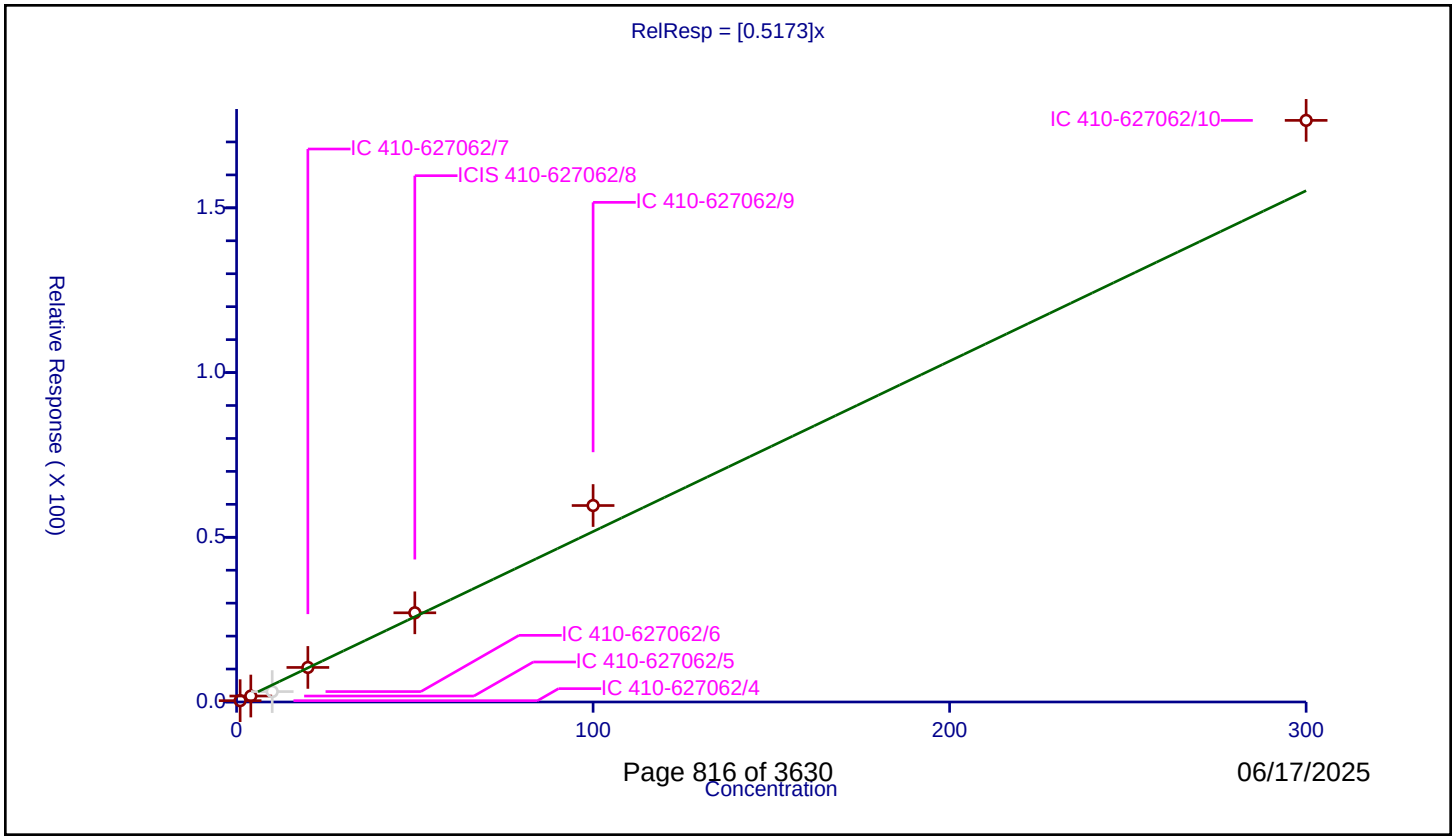
Curve Coefficients

Intercept:	0
Slope:	0.5173

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.401963	50.0	517834.0	0.401963	Y
2	IC 410-627062/5	4.0	1.805437	50.0	518268.0	0.451359	Y
3	IC 410-627062/6	10.0	3.157501	50.0	503547.0	0.31575	N
4	IC 410-627062/7	20.0	10.486829	50.0	515828.0	0.524341	Y
5	ICIS 410-627062/8	50.0	27.076656	50.0	519778.0	0.541533	Y
6	IC 410-627062/9	100.0	59.638089	50.0	524383.0	0.596381	Y
7	IC 410-627062/10	300.0	176.549634	50.0	555373.0	0.588499	Y



06/17/2025

Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

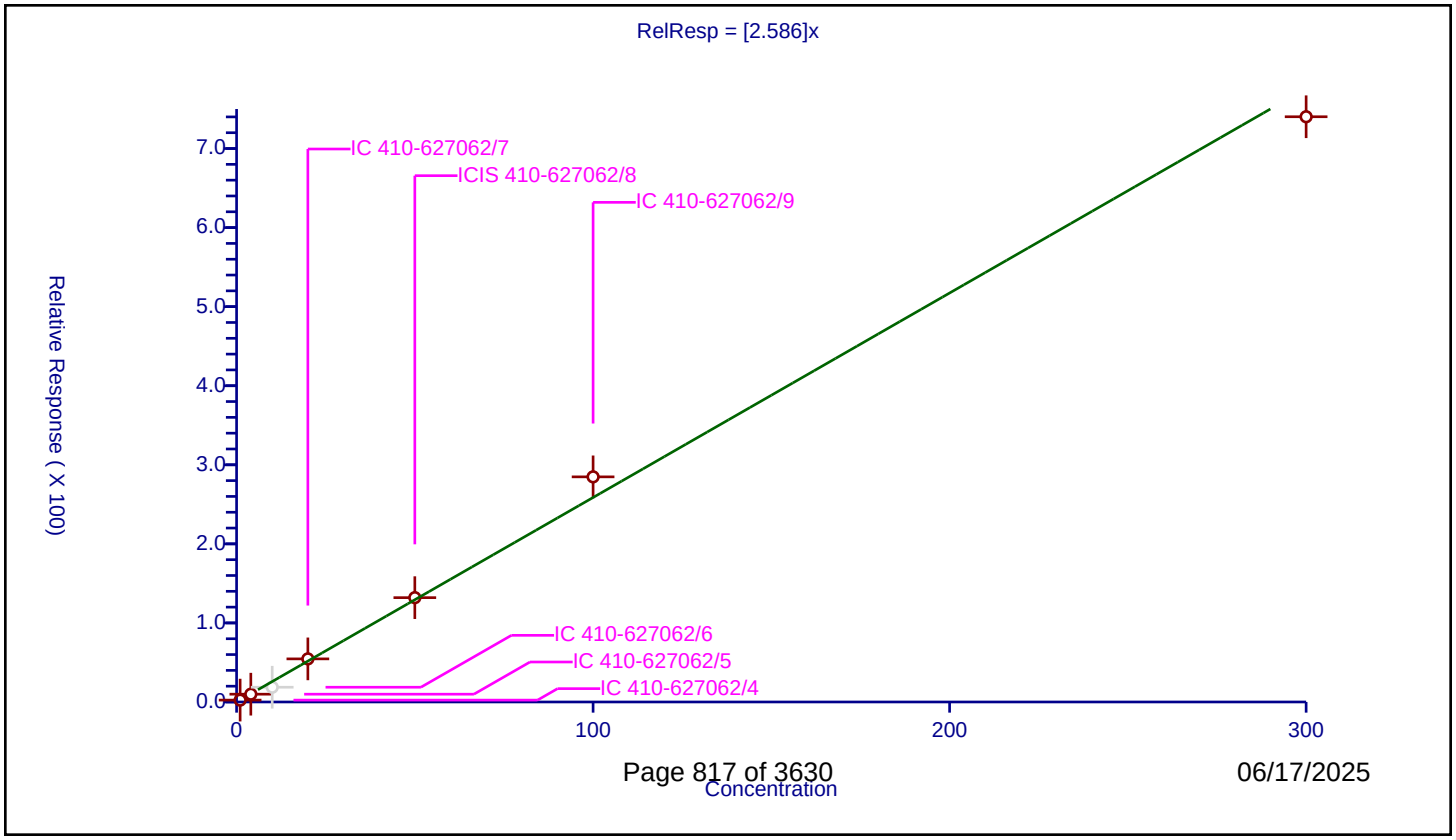
Curve Coefficients

Intercept:	0
Slope:	2.586

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	2.369196	50.0	517834.0	2.369196	Y
2	IC 410-627062/5	4.0	9.877901	50.0	518268.0	2.469475	Y
3	IC 410-627062/6	10.0	18.669657	50.0	503547.0	1.866966	N
4	IC 410-627062/7	20.0	54.519917	50.0	515828.0	2.725996	Y
5	ICIS 410-627062/8	50.0	131.951141	50.0	519778.0	2.639023	Y
6	IC 410-627062/9	100.0	284.74388	50.0	524383.0	2.847439	Y
7	IC 410-627062/10	300.0	740.205141	50.0	555373.0	2.46735	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

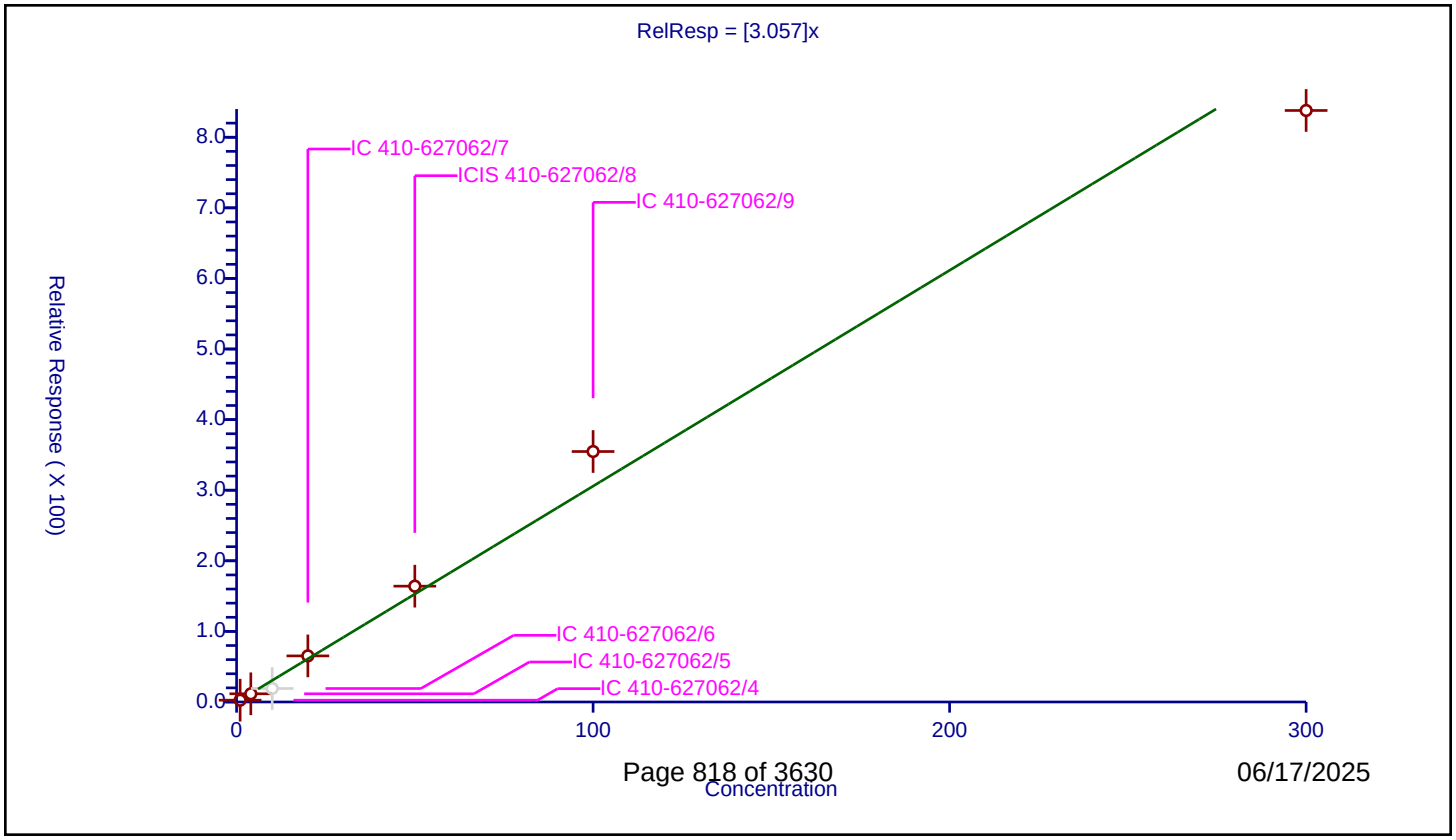
Curve Coefficients

Intercept:	0
Slope:	3.057

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	2.557866	50.0	517834.0	2.557866	Y
2	IC 410-627062/5	4.0	11.598632	50.0	518268.0	2.899658	Y
3	IC 410-627062/6	10.0	19.07806	50.0	503547.0	1.907806	N
4	IC 410-627062/7	20.0	65.291434	50.0	515828.0	3.264572	Y
5	ICIS 410-627062/8	50.0	164.083609	50.0	519778.0	3.281672	Y
6	IC 410-627062/9	100.0	354.816232	50.0	524383.0	3.548162	Y
7	IC 410-627062/10	300.0	837.913798	50.0	555373.0	2.793046	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

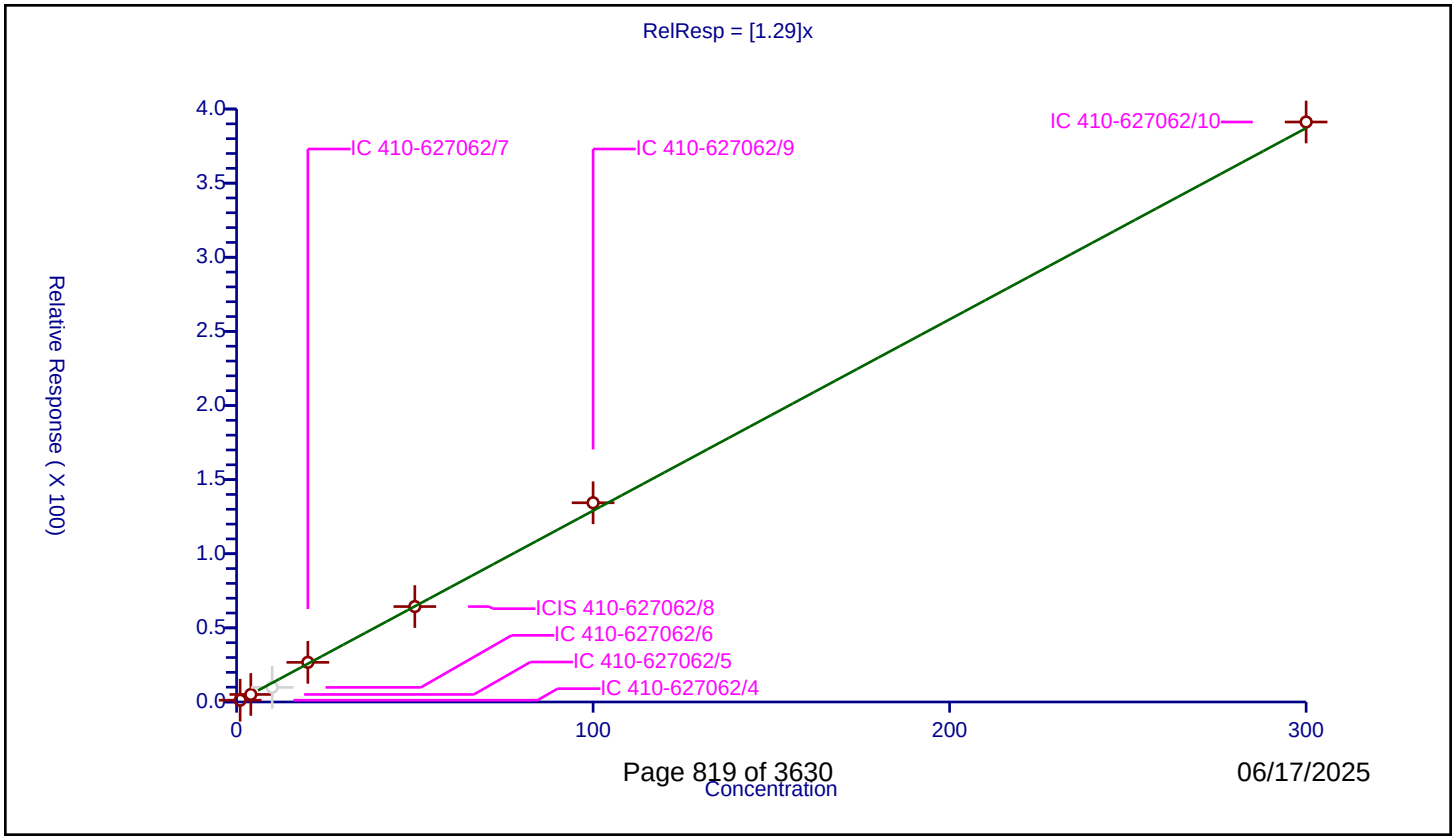
Curve Coefficients

Intercept:	0
Slope:	1.29

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	1.197971	50.0	517834.0	1.197971	Y
2	IC 410-627062/5	4.0	5.087329	50.0	518268.0	1.271832	Y
3	IC 410-627062/6	10.0	9.855783	50.0	503547.0	0.985578	N
4	IC 410-627062/7	20.0	26.743314	50.0	515828.0	1.337166	Y
5	ICIS 410-627062/8	50.0	64.375849	50.0	519778.0	1.287517	Y
6	IC 410-627062/9	100.0	134.381359	50.0	524383.0	1.343814	Y
7	IC 410-627062/10	300.0	391.23697	50.0	555373.0	1.304123	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

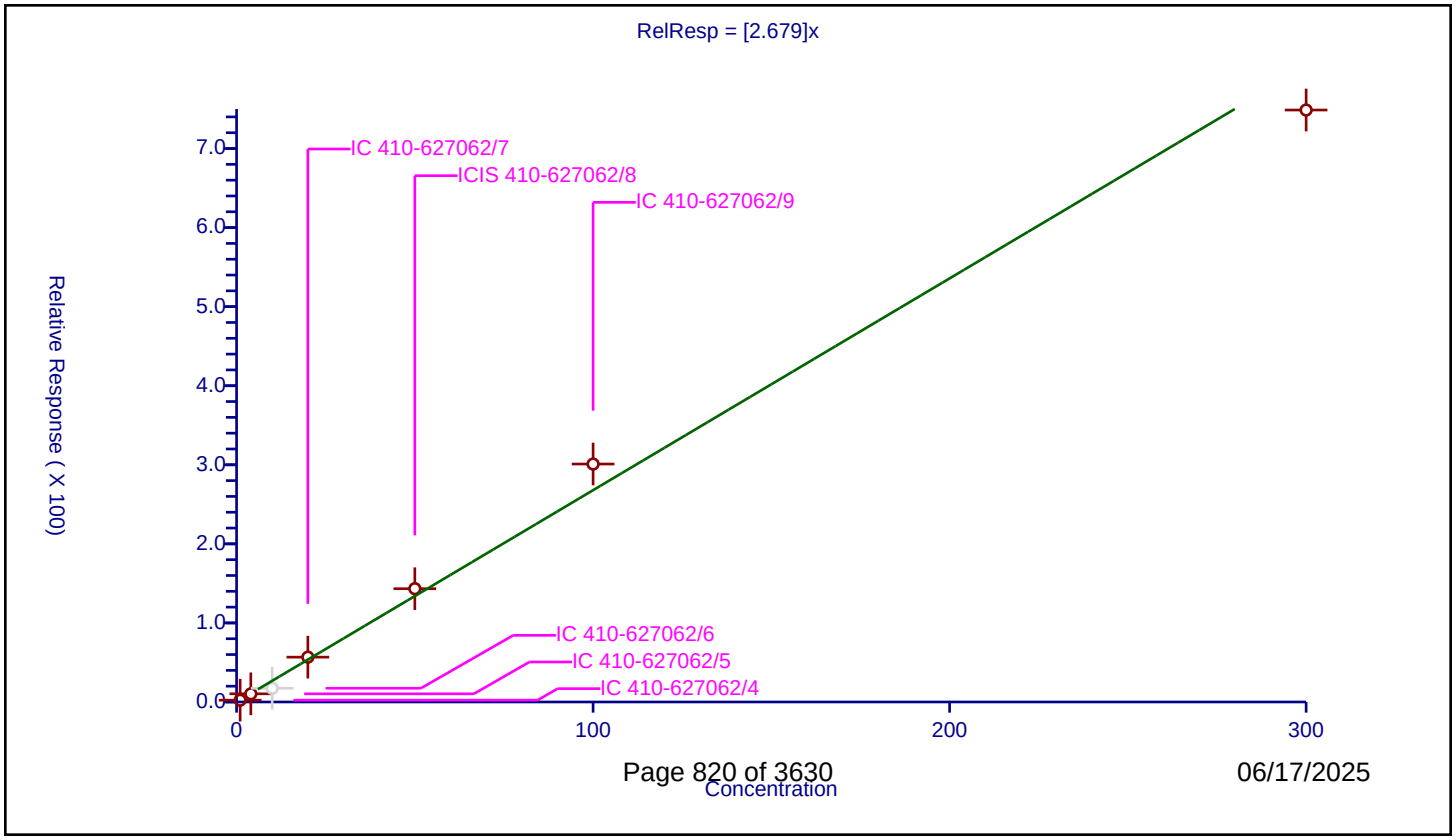
Curve Coefficients

Intercept:	0
Slope:	2.679

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	2.282199	50.0	517834.0	2.282199	Y
2	IC 410-627062/5	4.0	10.331141	50.0	518268.0	2.582785	Y
3	IC 410-627062/6	10.0	17.347834	50.0	503547.0	1.734783	N
4	IC 410-627062/7	20.0	56.72162	50.0	515828.0	2.836081	Y
5	ICIS 410-627062/8	50.0	143.303968	50.0	519778.0	2.866079	Y
6	IC 410-627062/9	100.0	300.971713	50.0	524383.0	3.009717	Y
7	IC 410-627062/10	300.0	748.730223	50.0	555373.0	2.495767	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

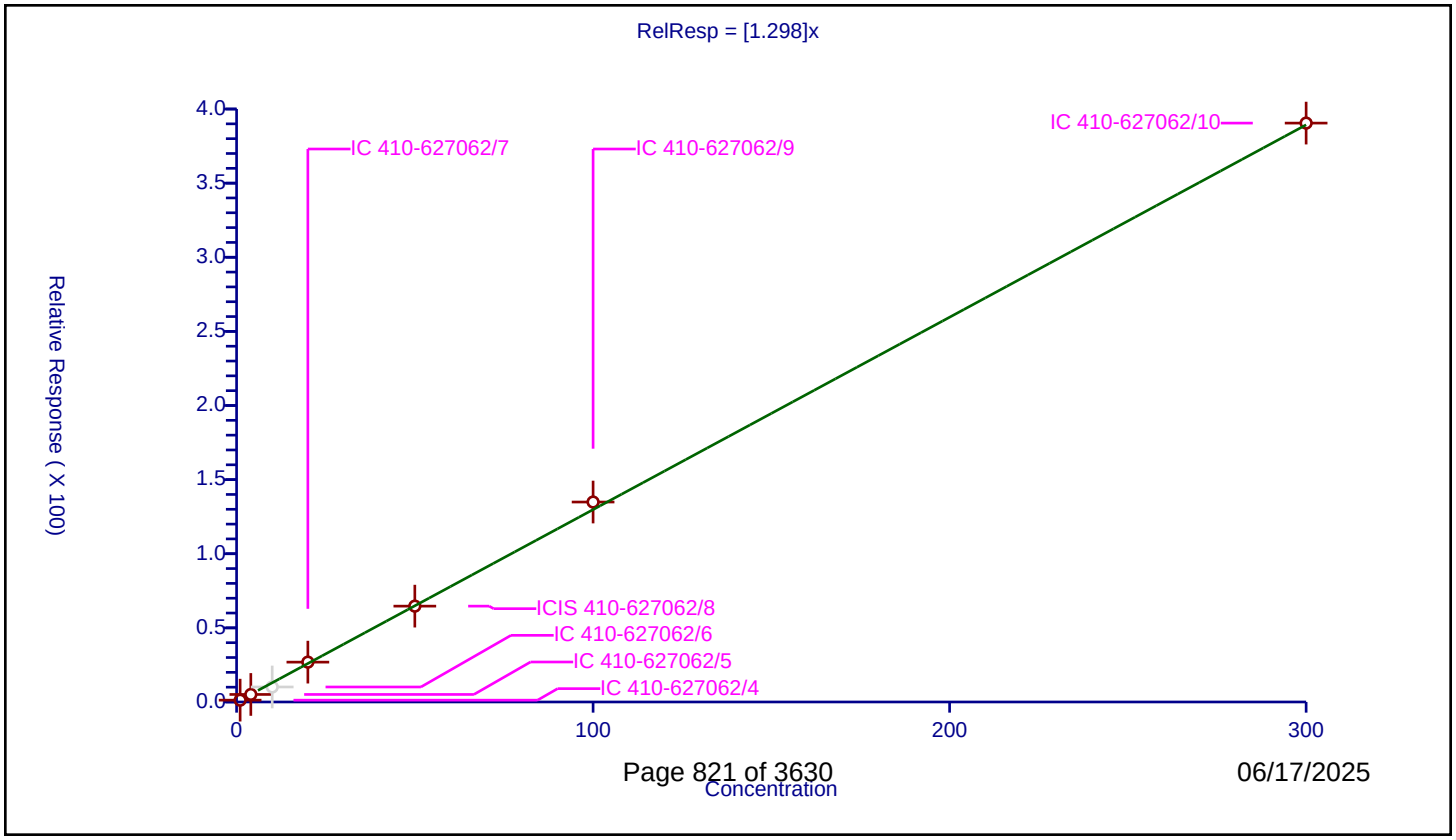
Curve Coefficients

Intercept:	0
Slope:	1.298

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	1.230124	50.0	517834.0	1.230124	Y
2	IC 410-627062/5	4.0	5.073437	50.0	518268.0	1.268359	Y
3	IC 410-627062/6	10.0	10.111866	50.0	503547.0	1.011187	N
4	IC 410-627062/7	20.0	26.886094	50.0	515828.0	1.344305	Y
5	ICIS 410-627062/8	50.0	64.66251	50.0	519778.0	1.29325	Y
6	IC 410-627062/9	100.0	134.885094	50.0	524383.0	1.348851	Y
7	IC 410-627062/10	300.0	390.50422	50.0	555373.0	1.301681	Y



Calibration / 1,2,3-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

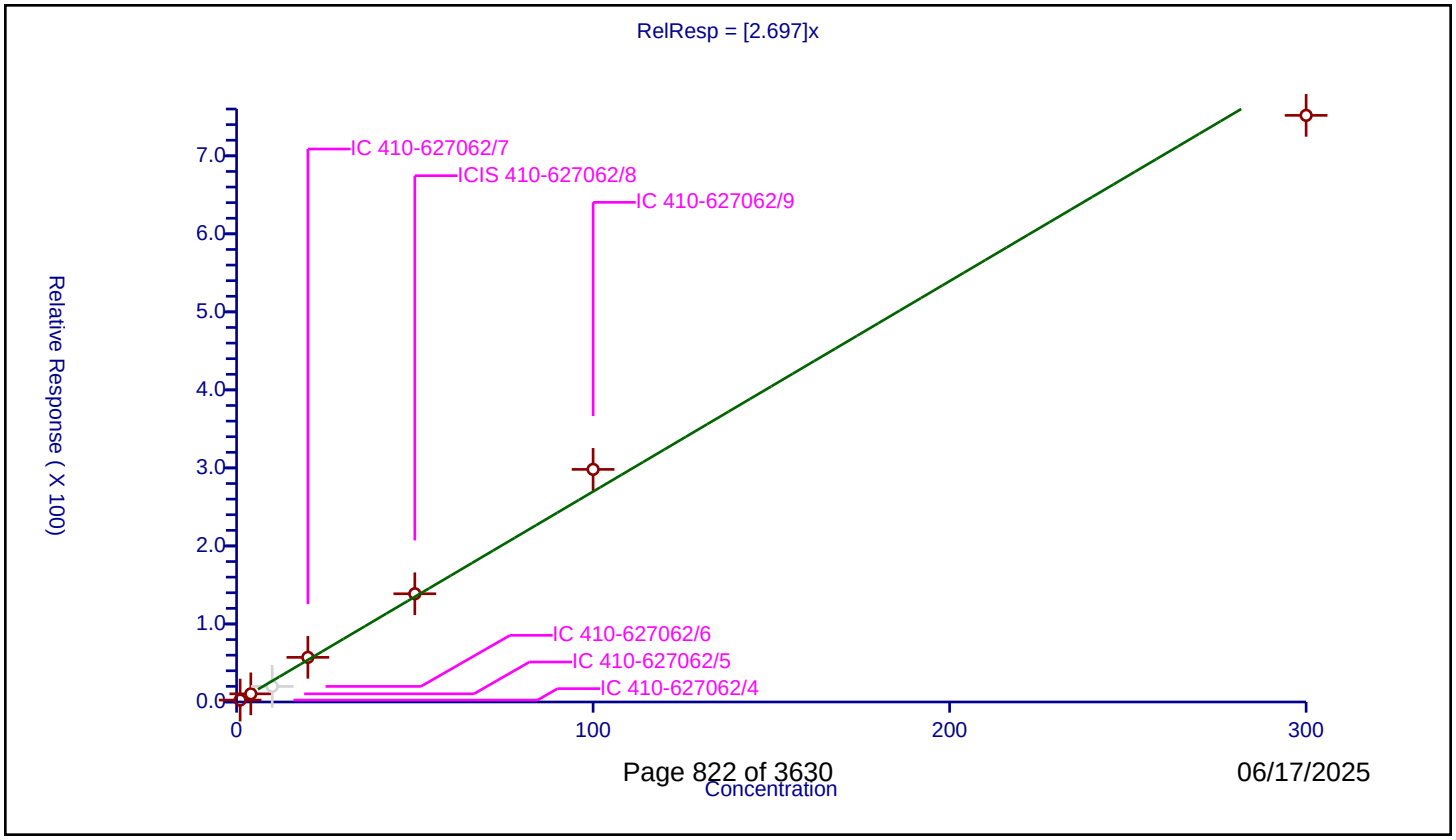
Curve Coefficients

Intercept:	0
Slope:	2.697

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	2.450592	50.0	517834.0	2.450592	Y
2	IC 410-627062/5	4.0	10.43765	50.0	518268.0	2.609413	Y
3	IC 410-627062/6	10.0	19.983735	50.0	503547.0	1.998374	N
4	IC 410-627062/7	20.0	57.212869	50.0	515828.0	2.860643	Y
5	ICIS 410-627062/8	50.0	138.705563	50.0	519778.0	2.774111	Y
6	IC 410-627062/9	100.0	298.104534	50.0	524383.0	2.981045	Y
7	IC 410-627062/10	300.0	751.858121	50.0	555373.0	2.506194	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

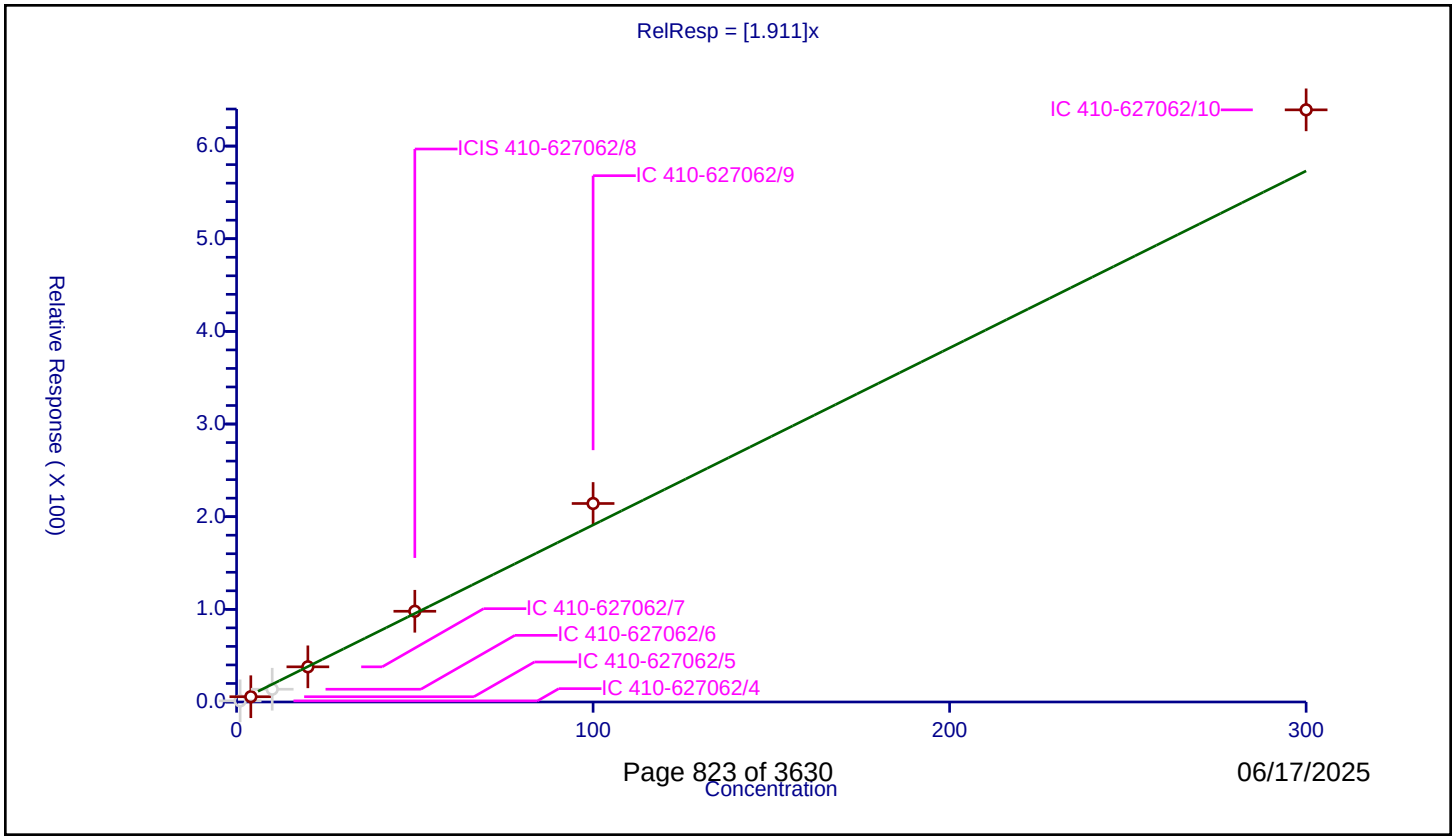
Curve Coefficients

Intercept:	0
Slope:	1.911

Error Coefficients

Relative Standard Deviation:	15.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	1.237076	50.0	517834.0	1.237076	N
2	IC 410-627062/5	4.0	5.696667	50.0	518268.0	1.424167	Y
3	IC 410-627062/6	10.0	13.761277	50.0	503547.0	1.376128	N
4	IC 410-627062/7	20.0	37.939681	50.0	515828.0	1.896984	Y
5	ICIS 410-627062/8	50.0	97.9371	50.0	519778.0	1.958742	Y
6	IC 410-627062/9	100.0	214.237971	50.0	524383.0	2.14238	Y
7	IC 410-627062/10	300.0	639.107411	50.0	555373.0	2.130358	Y



Calibration / 1,3-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

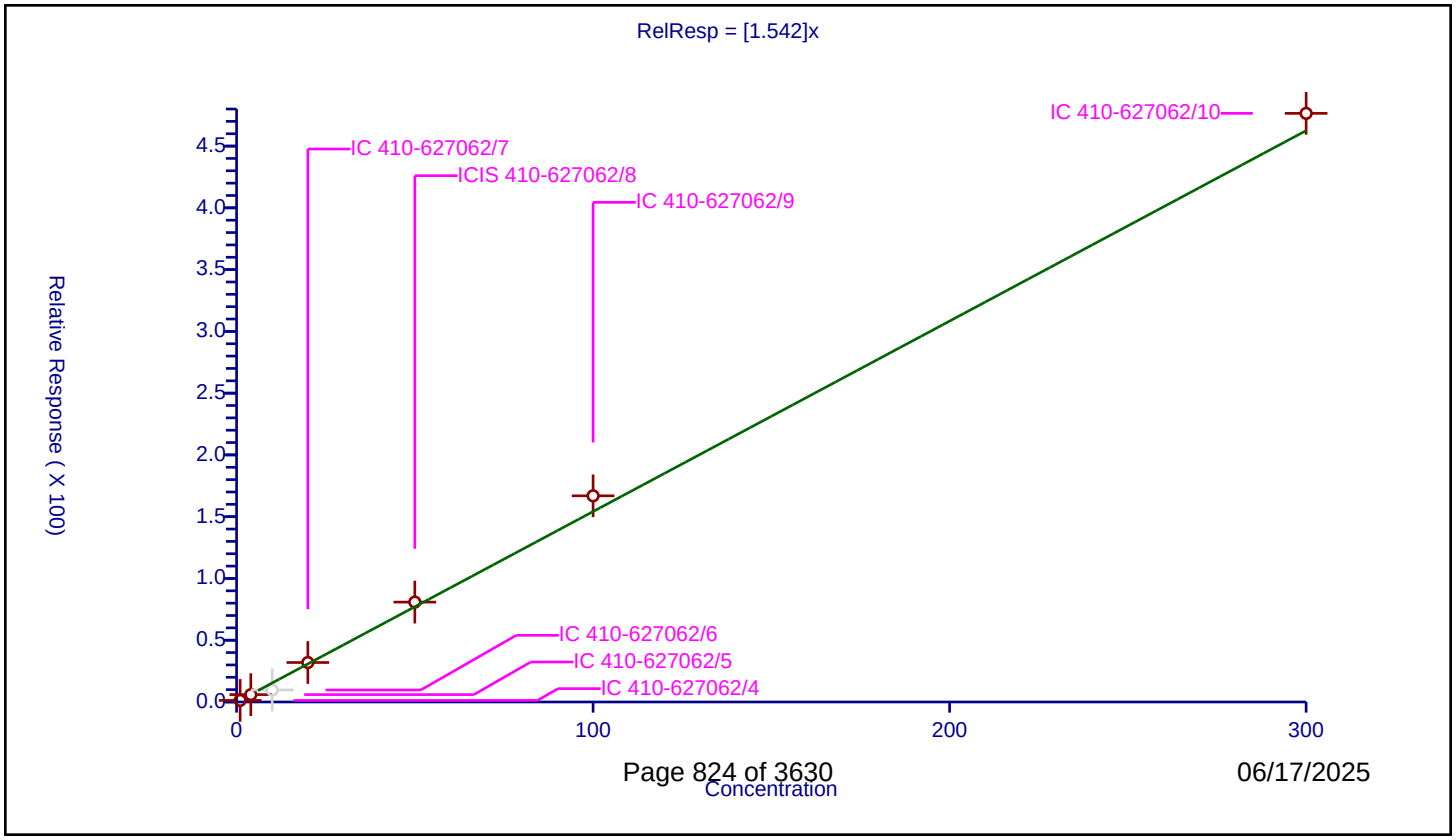
Curve Coefficients

Intercept:	0
Slope:	1.542

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	1.286706	50.0	517834.0	1.286706	Y
2	IC 410-627062/5	4.0	5.96535	50.0	518268.0	1.491337	Y
3	IC 410-627062/6	10.0	9.714684	50.0	503547.0	0.971468	N
4	IC 410-627062/7	20.0	31.956582	50.0	515828.0	1.597829	Y
5	ICIS 410-627062/8	50.0	80.852018	50.0	519778.0	1.61704	Y
6	IC 410-627062/9	100.0	166.896619	50.0	524383.0	1.668966	Y
7	IC 410-627062/10	300.0	476.479321	50.0	555373.0	1.588264	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

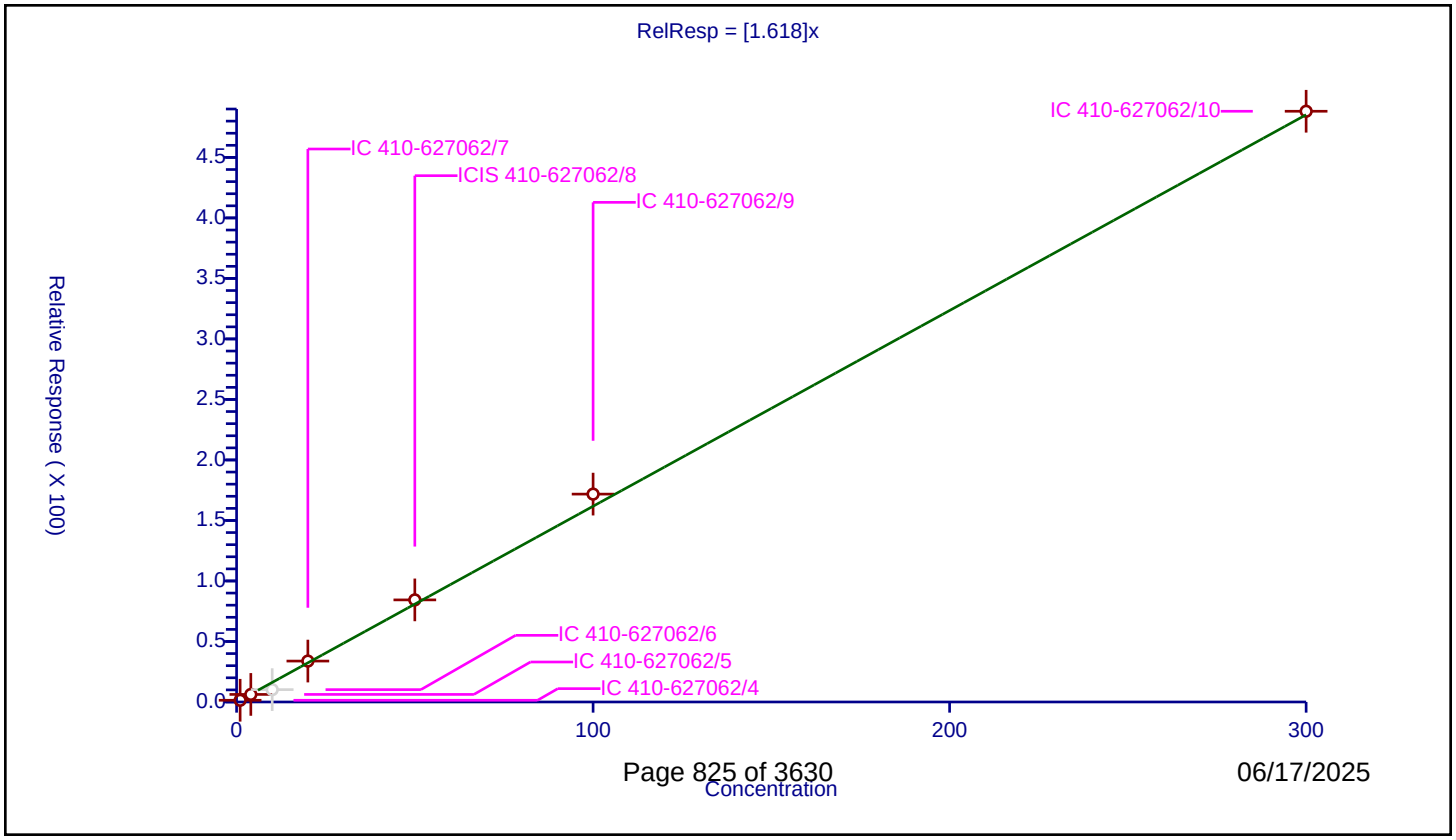
Curve Coefficients

Intercept:	0
Slope:	1.618

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	1.420339	50.0	517834.0	1.420339	Y
2	IC 410-627062/5	4.0	6.24725	50.0	518268.0	1.561813	Y
3	IC 410-627062/6	10.0	10.203616	50.0	503547.0	1.020362	N
4	IC 410-627062/7	20.0	33.811755	50.0	515828.0	1.690588	Y
5	ICIS 410-627062/8	50.0	84.36294	50.0	519778.0	1.687259	Y
6	IC 410-627062/9	100.0	171.78875	50.0	524383.0	1.717887	Y
7	IC 410-627062/10	300.0	488.145895	50.0	555373.0	1.627153	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

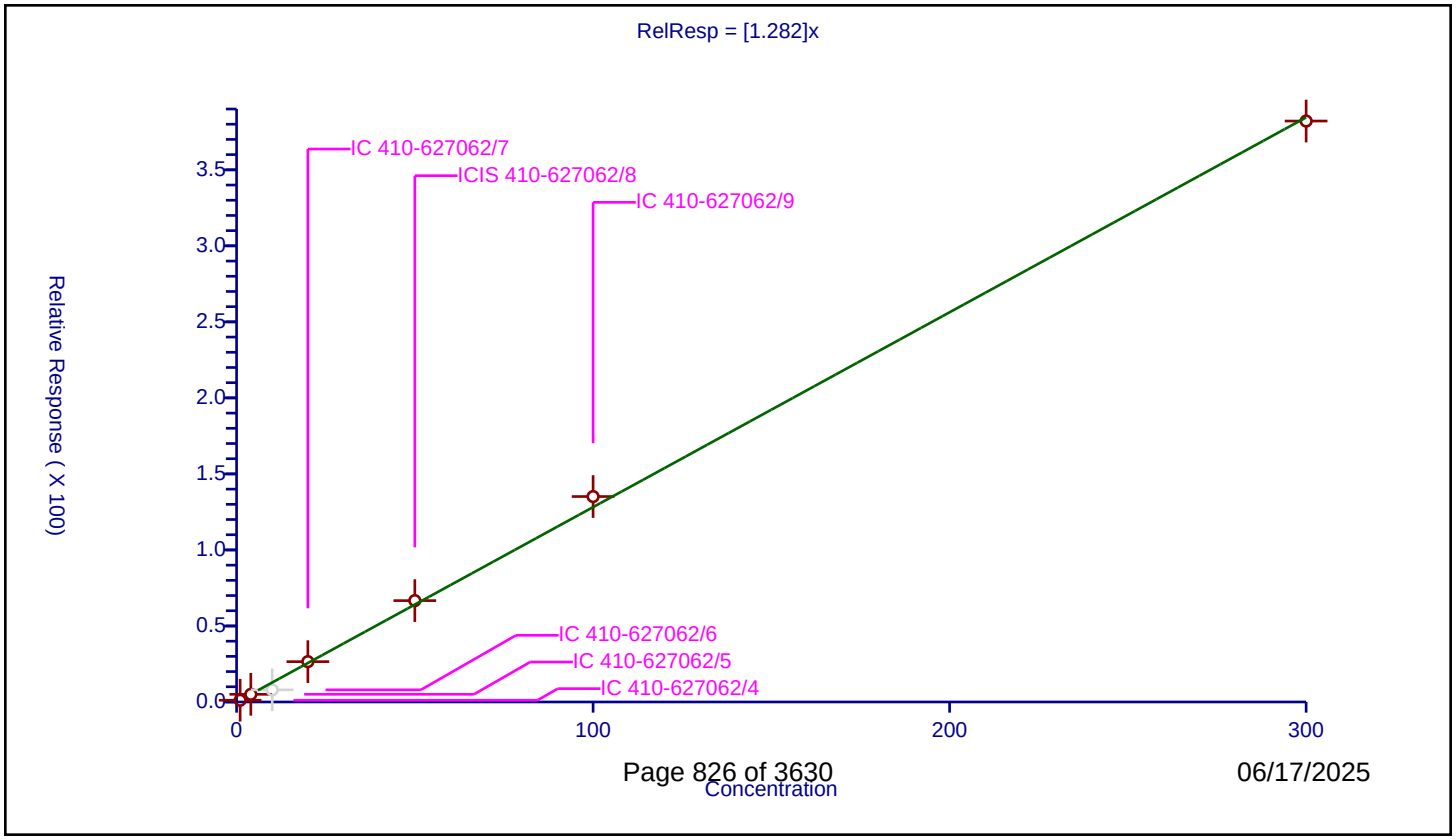
Curve Coefficients

Intercept:	0
Slope:	1.282

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	1.142354	50.0	517834.0	1.142354	Y
2	IC 410-627062/5	4.0	5.047582	50.0	518268.0	1.261895	Y
3	IC 410-627062/6	10.0	7.988629	50.0	503547.0	0.798863	N
4	IC 410-627062/7	20.0	26.531131	50.0	515828.0	1.326557	Y
5	ICIS 410-627062/8	50.0	66.681352	50.0	519778.0	1.333627	Y
6	IC 410-627062/9	100.0	135.11832	50.0	524383.0	1.351183	Y
7	IC 410-627062/10	300.0	382.089515	50.0	555373.0	1.273632	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

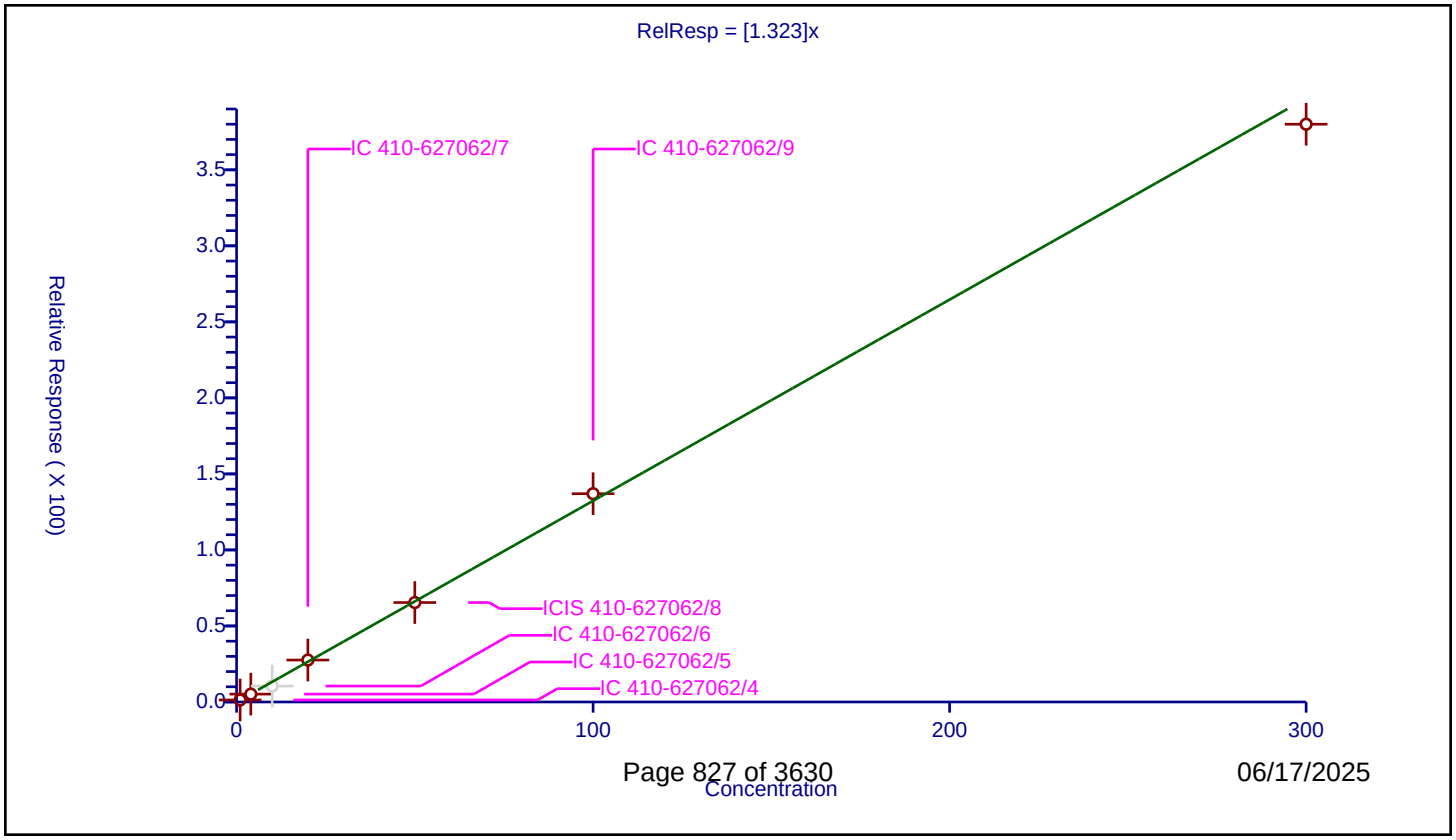
Curve Coefficients

Intercept:	0
Slope:	1.323

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	1.320114	50.0	517834.0	1.320114	Y
2	IC 410-627062/5	4.0	5.181103	50.0	518268.0	1.295276	Y
3	IC 410-627062/6	10.0	10.485317	50.0	503547.0	1.048532	N
4	IC 410-627062/7	20.0	27.577894	50.0	515828.0	1.378895	Y
5	ICIS 410-627062/8	50.0	65.414273	50.0	519778.0	1.308285	Y
6	IC 410-627062/9	100.0	136.981653	50.0	524383.0	1.369817	Y
7	IC 410-627062/10	300.0	380.007941	50.0	555373.0	1.266693	Y



Calibration / o-diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

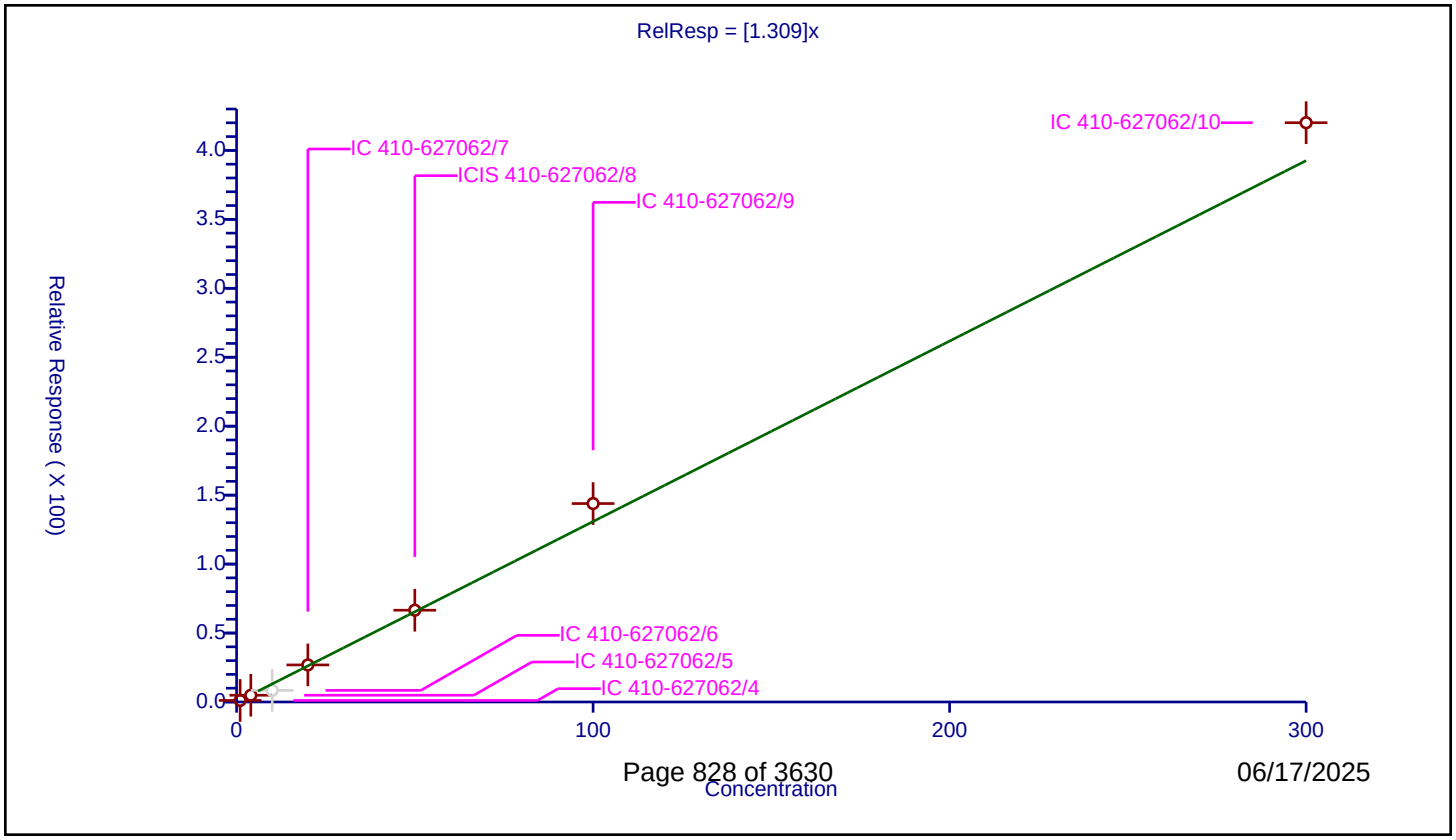
Curve Coefficients

Intercept:	0
Slope:	1.309

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	1.112229	50.0	517834.0	1.112229	Y
2	IC 410-627062/5	4.0	4.900553	50.0	518268.0	1.225138	Y
3	IC 410-627062/6	10.0	8.426125	50.0	503547.0	0.842613	N
4	IC 410-627062/7	20.0	26.87233	50.0	515828.0	1.343616	Y
5	ICIS 410-627062/8	50.0	66.558704	50.0	519778.0	1.331174	Y
6	IC 410-627062/9	100.0	143.903979	50.0	524383.0	1.43904	Y
7	IC 410-627062/10	300.0	420.065253	50.0	555373.0	1.400218	Y



06/17/2025

Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

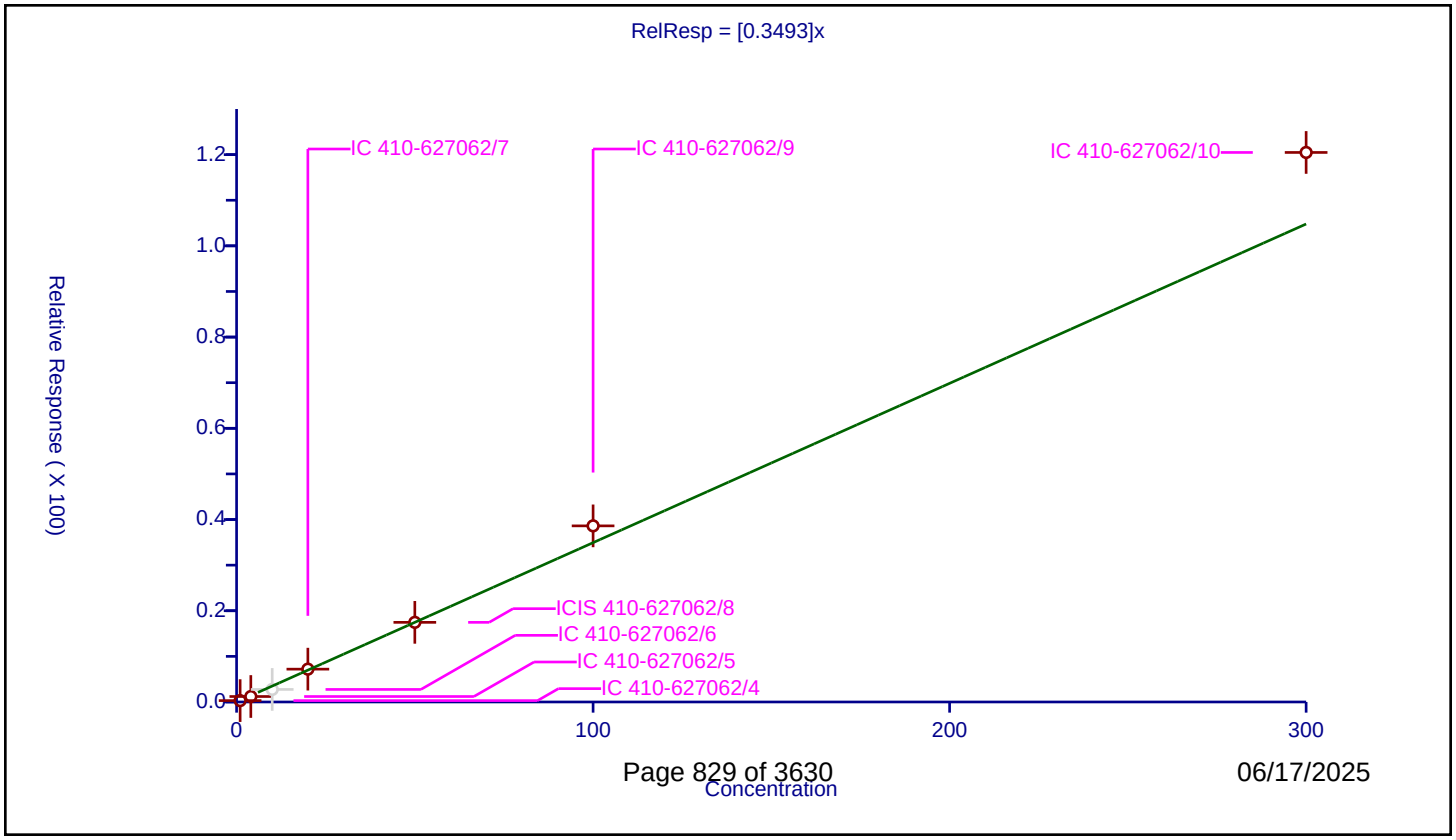
Curve Coefficients

Intercept:	0
Slope:	0.3493

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.299227	50.0	517834.0	0.299227	Y
2	IC 410-627062/5	4.0	1.198704	50.0	518268.0	0.299676	Y
3	IC 410-627062/6	10.0	2.750587	50.0	503547.0	0.275059	N
4	IC 410-627062/7	20.0	7.19959	50.0	515828.0	0.359979	Y
5	ICIS 410-627062/8	50.0	17.45803	50.0	519778.0	0.349161	Y
6	IC 410-627062/9	100.0	38.613857	50.0	524383.0	0.386139	Y
7	IC 410-627062/10	300.0	120.477769	50.0	555373.0	0.401593	Y



06/17/2025

Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

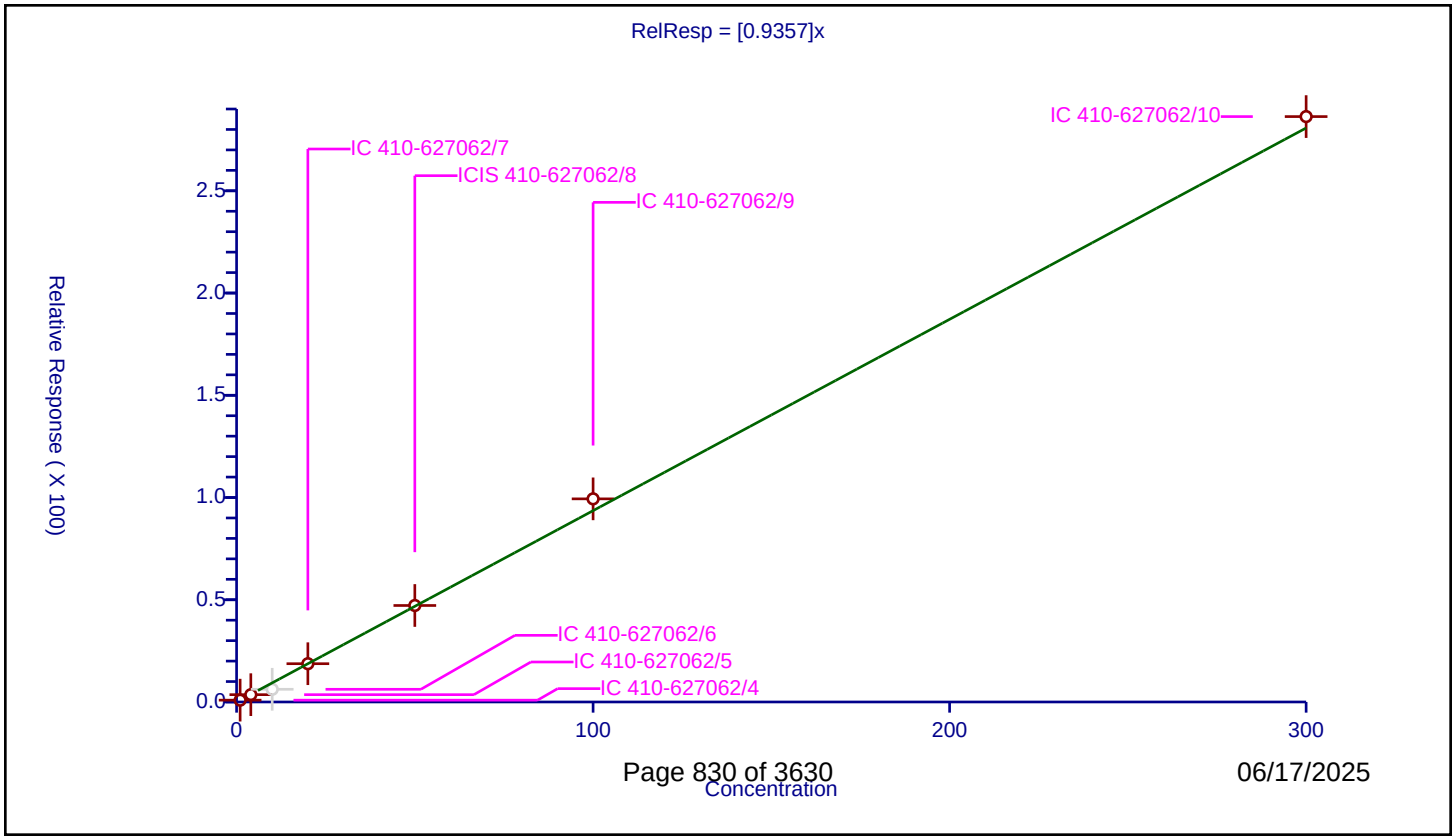
Curve Coefficients

Intercept:	0
Slope:	0.9357

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.891695	50.0	517834.0	0.891695	Y
2	IC 410-627062/5	4.0	3.580291	50.0	518268.0	0.895073	Y
3	IC 410-627062/6	10.0	6.20945	50.0	503547.0	0.620945	N
4	IC 410-627062/7	20.0	18.717576	50.0	515828.0	0.935879	Y
5	ICIS 410-627062/8	50.0	47.193129	50.0	519778.0	0.943863	Y
6	IC 410-627062/9	100.0	99.349617	50.0	524383.0	0.993496	Y
7	IC 410-627062/10	300.0	286.302089	50.0	555373.0	0.95434	Y



06/17/2025

Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

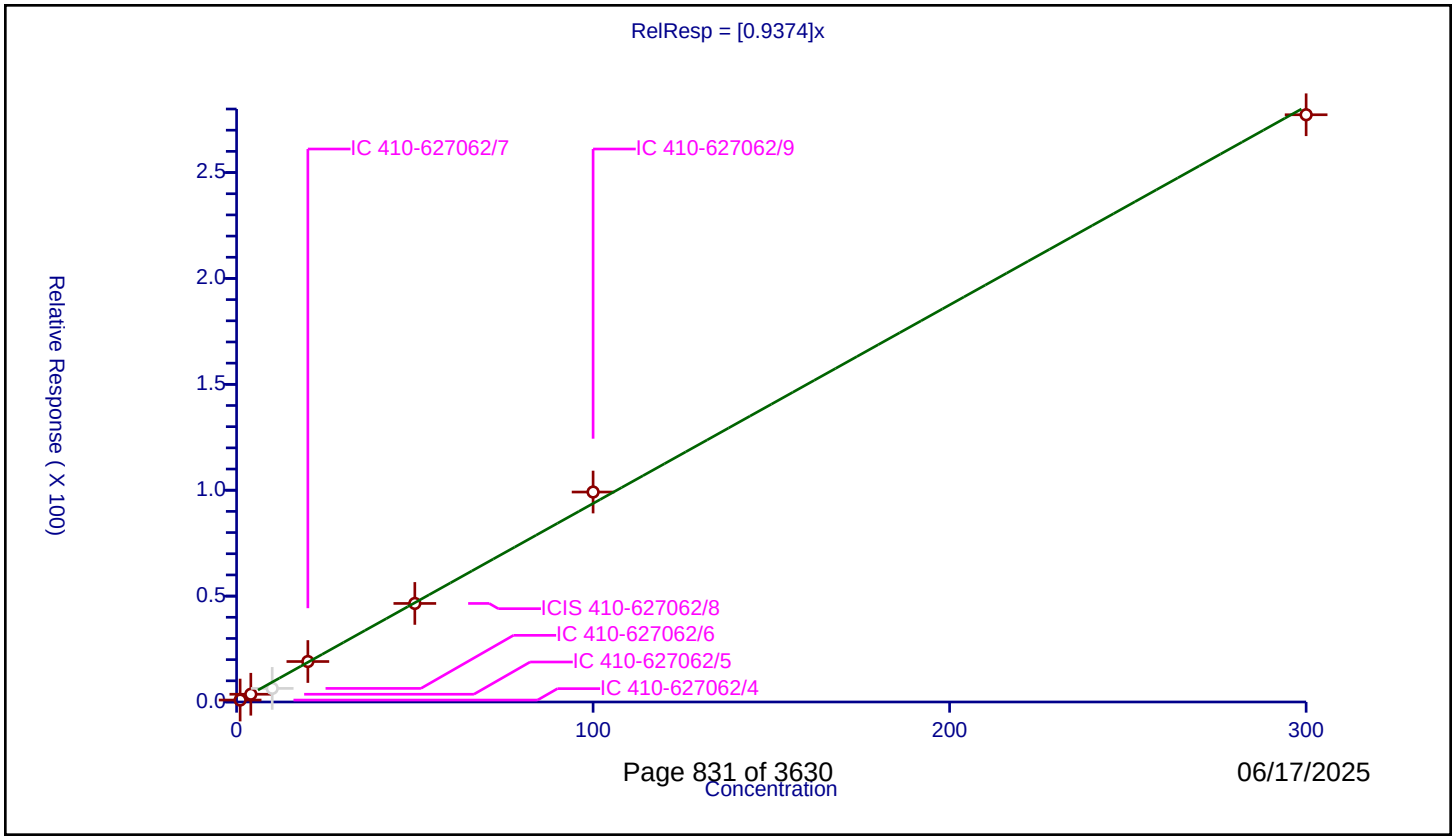
Curve Coefficients

Intercept:	0
Slope:	0.9374

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.90753	50.0	517834.0	0.90753	Y
2	IC 410-627062/5	4.0	3.660268	50.0	518268.0	0.915067	Y
3	IC 410-627062/6	10.0	6.41102	50.0	503547.0	0.641102	N
4	IC 410-627062/7	20.0	19.1117	50.0	515828.0	0.955585	Y
5	ICIS 410-627062/8	50.0	46.527845	50.0	519778.0	0.930557	Y
6	IC 410-627062/9	100.0	99.145567	50.0	524383.0	0.991456	Y
7	IC 410-627062/10	300.0	277.294989	50.0	555373.0	0.924317	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

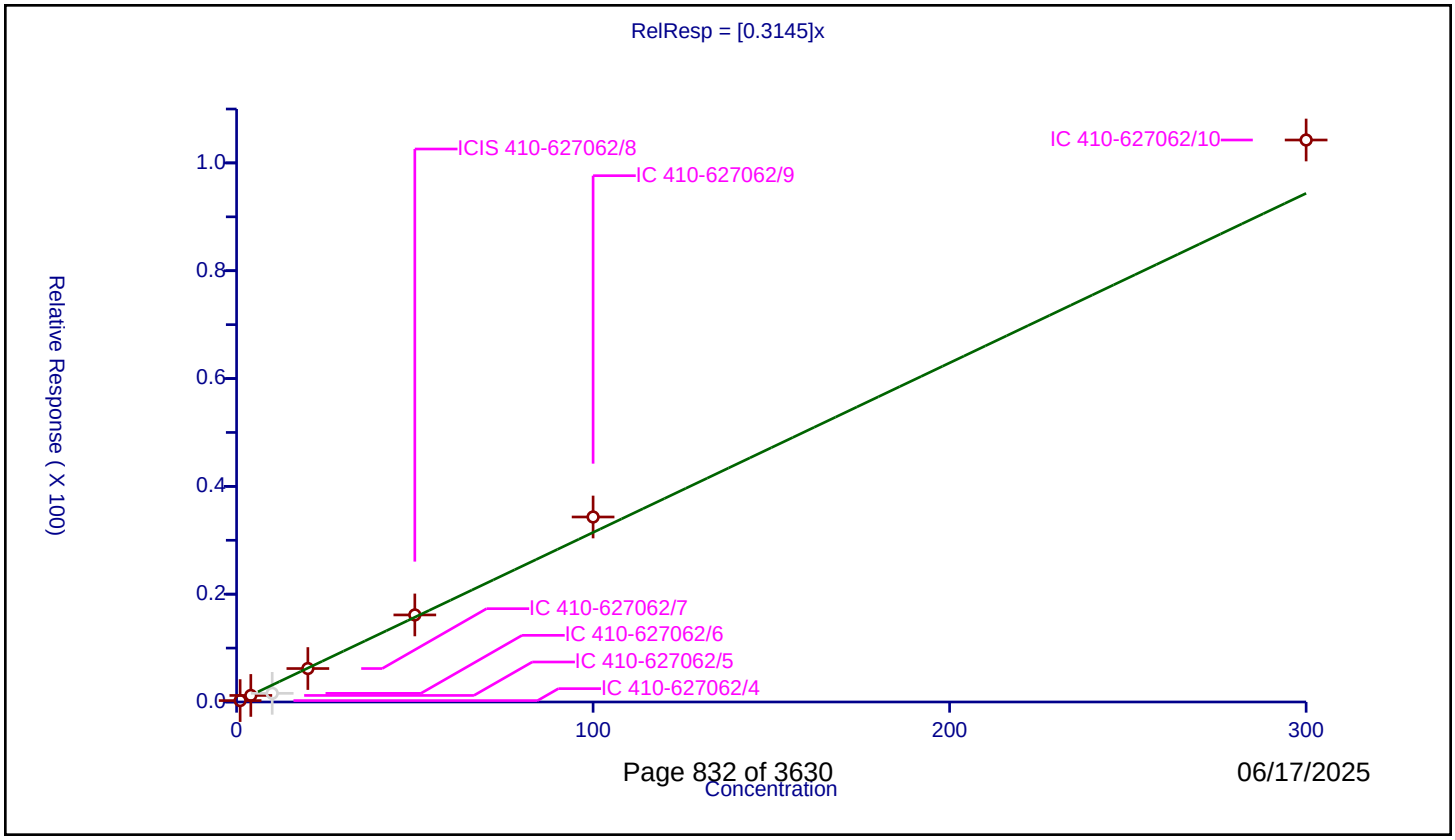
Curve Coefficients

Intercept:	0
Slope:	0.3145

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.260122	50.0	517834.0	0.260122	Y
2	IC 410-627062/5	4.0	1.212211	50.0	518268.0	0.303053	Y
3	IC 410-627062/6	10.0	1.603326	50.0	503547.0	0.160333	N
4	IC 410-627062/7	20.0	6.208077	50.0	515828.0	0.310404	Y
5	ICIS 410-627062/8	50.0	16.147471	50.0	519778.0	0.322949	Y
6	IC 410-627062/9	100.0	34.317093	50.0	524383.0	0.343171	Y
7	IC 410-627062/10	300.0	104.249576	50.0	555373.0	0.347499	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

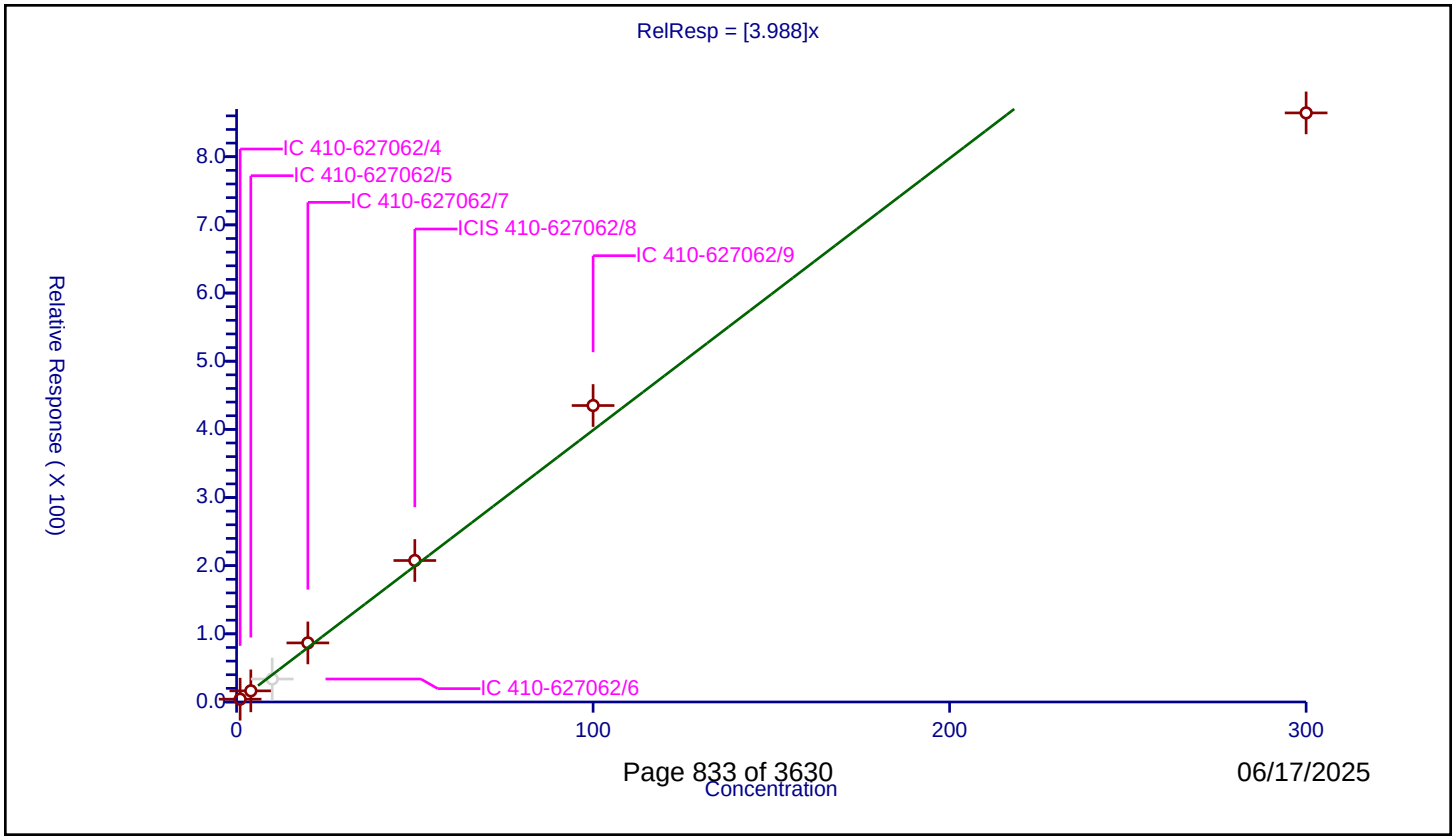
Curve Coefficients

Intercept:	0
Slope:	3.988

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	4.126709	50.0	517834.0	4.126709	Y
2	IC 410-627062/5	4.0	16.344247	50.0	518268.0	4.086062	Y
3	IC 410-627062/6	10.0	33.694174	50.0	503547.0	3.369417	N
4	IC 410-627062/7	20.0	86.693917	50.0	515828.0	4.334696	Y
5	ICIS 410-627062/8	50.0	207.578524	50.0	519778.0	4.15157	Y
6	IC 410-627062/9	100.0	434.968334	50.0	524383.0	4.349683	Y
7	IC 410-627062/10	300.0	864.30237	50.0	555373.0	2.881008	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

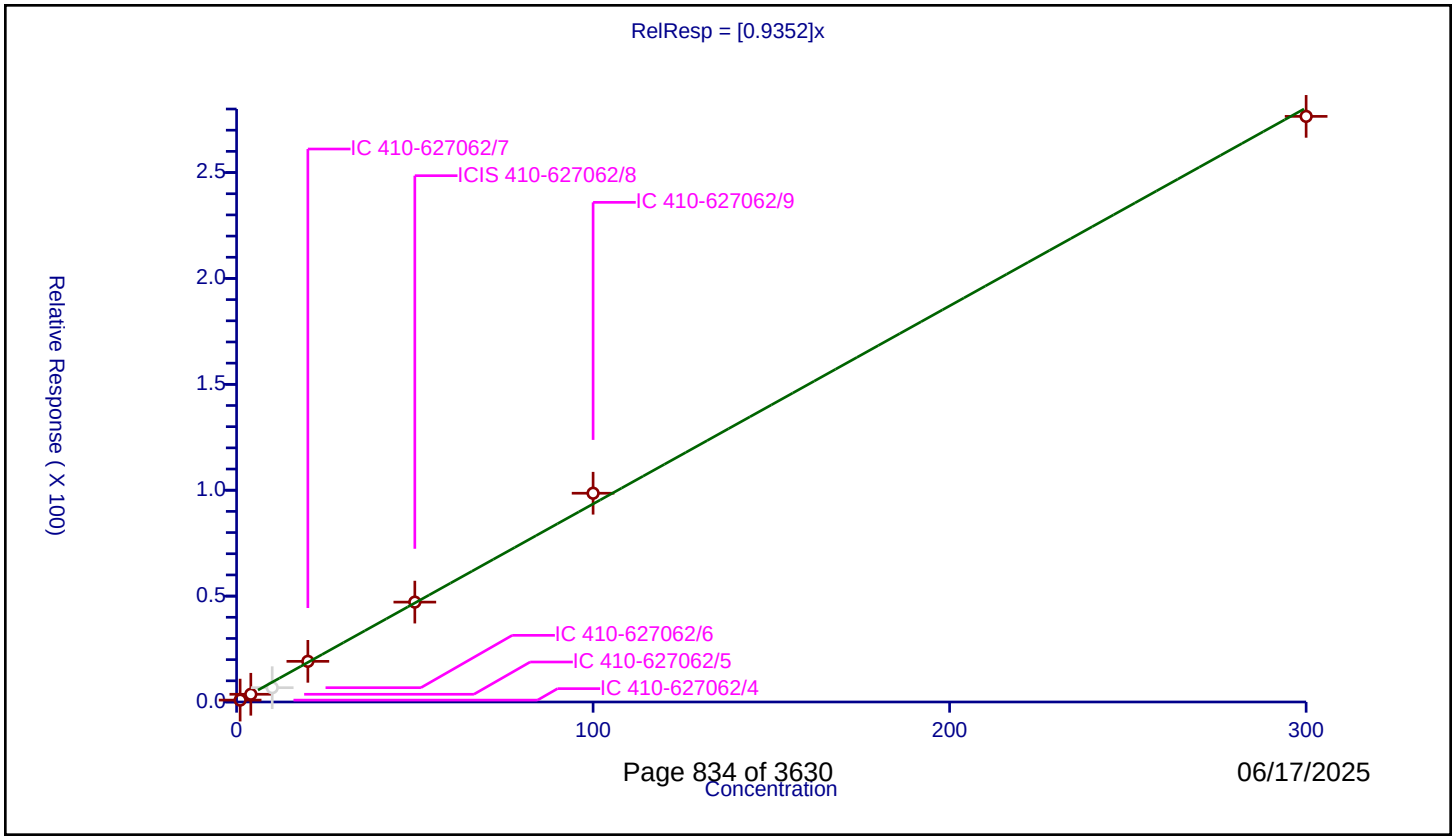
Curve Coefficients

Intercept:	0
Slope:	0.9352

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	0.887736	50.0	517834.0	0.887736	Y
2	IC 410-627062/5	4.0	3.650042	50.0	518268.0	0.912511	Y
3	IC 410-627062/6	10.0	6.749519	50.0	503547.0	0.674952	N
4	IC 410-627062/7	20.0	19.202525	50.0	515828.0	0.960126	Y
5	ICIS 410-627062/8	50.0	47.156863	50.0	519778.0	0.943137	Y
6	IC 410-627062/9	100.0	98.579569	50.0	524383.0	0.985796	Y
7	IC 410-627062/10	300.0	276.529107	50.0	555373.0	0.921764	Y



06/17/2025

Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

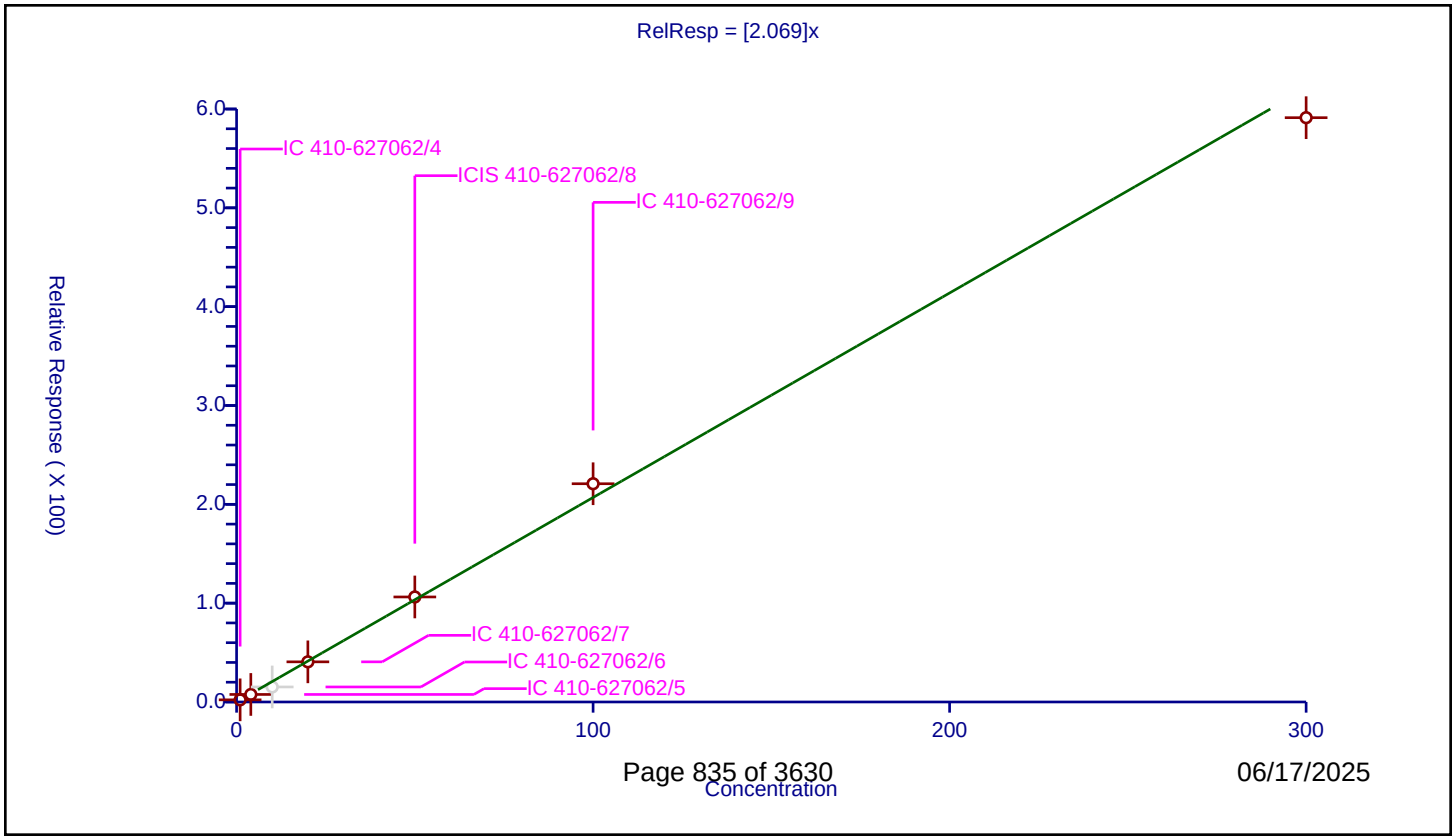
Curve Coefficients

Intercept:	0
Slope:	2.069

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-627062/4	1.0	2.17589	50.0	517834.0	2.17589	Y
2	IC 410-627062/5	4.0	7.617777	50.0	518268.0	1.904444	Y
3	IC 410-627062/6	10.0	15.208511	50.0	503547.0	1.520851	N
4	IC 410-627062/7	20.0	40.610339	50.0	515828.0	2.030517	Y
5	ICIS 410-627062/8	50.0	106.273448	50.0	519778.0	2.125469	Y
6	IC 410-627062/9	100.0	220.844593	50.0	524383.0	2.208446	Y
7	IC 410-627062/10	300.0	591.238321	50.0	555373.0	1.970794	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-633920/12	WA17X02.D
Level 2	IC 410-633920/13	WA17X03.D
Level 3	IC 410-633920/14	WA17X04.D
Level 4	IC 410-633920/15	WA17X05.D
Level 5	ICIS 410-633920/16	WA17X06.D
Level 6	IC 410-633920/17	copy_WA17X07.D
Level 7	IC 410-633920/18	WA17X08.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3829 0.4847	0.5161 0.5136	0.4543	0.4782	0.4104	Ave		0.4629			0.1000	10.9		20.0			
Chloromethane	0.4834 0.4883	0.5202 0.5049	0.4957	0.4632	0.4193	Ave		0.4821			0.1000	6.8		20.0			
Vinyl chloride	0.4435 0.4714	0.5140 0.4945	0.4768	0.4544	0.4154	Ave		0.4671			0.1000	7.0		20.0			
1,3-Butadiene	0.4764 0.4670	0.5420 0.5044	0.4682	0.4621	0.3991	Ave		0.4742				9.2		20.0			
Bromomethane	0.3040 0.3516	0.3570 0.3503	0.3578	0.3192	0.3054	Ave		0.3350			0.1000	7.3		20.0			
Chloroethane	0.2403 0.2466	0.2565 0.2547	0.2480	0.2317	0.2109	Ave		0.2412			0.1000	6.5		20.0			
Dichlorofluoromethane	0.7059 0.7529	0.7697 0.7921	0.7478	0.6986	0.6528	Ave		0.7314			0.1000	6.6		20.0			
Trichlorofluoromethane	0.4599 0.5920	0.6114 0.6401	0.5553	0.5556	0.5040	Ave		0.5597			0.1000	11.1		20.0			
n-Pentane	0.3973 0.4449	0.4752 0.5257	0.3982	0.4453	0.3958	Ave		0.4403				11.0		20.0			
Ethanol	0.0964 0.0773	0.0845 0.0826	0.0827	0.0845	0.0784	Ave		0.0838				7.5		20.0			
Freon 123a	0.2801 0.3370	0.3632 0.3599	0.3312	0.3157	0.2894	Ave		0.3252				9.9		20.0			
Acrolein	1.0307 1.1794	0.9492 1.2662	1.0895	1.0156	1.0650	Ave		1.0851				9.8		20.0			
1,1-Dichloroethene	0.1924 0.2507	0.2564 0.2942	0.2406	0.2494	0.2323	Ave		0.2452			0.1000	12.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Freon 113	0.2478 0.3261	0.3224 0.3709	0.2950	0.3287	0.2998	Ave		0.3130			0.1000	12.1		20.0			
Acetone	0.6567 0.6318	0.6604 0.6780	0.6470	0.5877	0.6098	Ave		0.6388			0.1000	4.9		20.0			
Methyl iodide	0.4410 0.5156	0.5014 0.5701	0.5081	0.4912	0.4741	Ave		0.5002				7.9		20.0			
2-Propanol	0.9955 0.6972	0.9223 0.7422	0.8187	0.9945	0.6631	Ave		0.8334				16.7		20.0			
Carbon disulfide	0.8663 0.9683	0.9655 1.1264	0.9292	0.9492	0.8797	Ave		0.9550			0.1000	9.0		20.0			
Methyl acetate	0.4248 0.2744	0.3243 0.3152	0.2819	0.2918	0.2641	Ave		0.3109			0.1000	17.6		20.0			
Allyl chloride	0.3328 0.3409	0.3349 0.3779	0.3314	0.3343	0.3093	Ave		0.3374				6.1		20.0			
Methylene Chloride	0.2478 0.2712	0.2758 0.3077	0.2701	0.2655	0.2533	Ave		0.2702			0.1000	7.2		20.0			
t-Butyl alcohol	0.8934 1.0785	0.9954 1.1274	1.0333	1.2955	0.9883	Ave		1.0588				12.1		20.0			
Acrylonitrile	0.1441 0.1578	0.1510 0.1776	0.1560	0.1628	0.1529	Ave		0.1575				6.8		20.0			
Methyl tertiary butyl ether	0.7918 0.8518	0.7958 0.9349	0.8208	0.8460	0.7945	Ave		0.8337			0.1000	6.1		20.0			
trans-1,2-Dichloroethene	0.2159 0.2358	0.2460 0.2585	0.2373	0.2393	0.2187	Ave		0.2359			0.1000	6.3		20.0			
n-Hexane	0.2364 0.3209	0.2968 0.3452	0.2794	0.3275	0.2851	Ave		0.2988				12.2		20.0			
1,1-Dichloroethane	0.3633 0.4086	0.4122 0.4437	0.4033	0.4166	0.3710	Ave		0.4027			0.2000	6.8		20.0			
Isopropyl ether	0.6992 0.7698	0.7221 0.8538	0.7242	0.7642	0.7002	Ave		0.7476				7.3		20.0			
2-Chloro-1,3-butadiene	0.2736 0.3615	0.3508 0.3986	0.3394	0.3625	0.3279	Ave		0.3449				11.2		20.0			
Ethyl t-butyl ether	0.6933 0.8099	0.7430 0.9094	0.7546	0.8011	0.7511	Ave		0.7803				8.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanone	0.2084 0.2121	0.1972 0.2470	0.2117	0.1890	0.2103	Ave		0.2108			0.1000	8.6		20.0			
cis-1,2-Dichloroethene	0.2500 0.2708	0.2693 0.2884	0.2652	0.2762	0.2504	Ave		0.2672			0.1000	5.1		20.0			
2,2-Dichloropropane	0.3460 0.4321	0.4133 0.4885	0.4000	0.4269	0.3935	Ave		0.4143				10.5		20.0			
Propionitrile	0.8553 0.9414	0.8640 1.0094	0.9042	0.9866	0.8893	Ave		0.9215				6.5		20.0			
Methyl acrylate	0.3420 0.3763	0.3597 0.4408	0.3556	0.3567	0.3731	Ave		0.3720				8.7		20.0			
Methacrylonitrile	0.1318 0.1556	0.1356 0.1677	0.1440	0.1572	0.1439	Ave		0.1480				8.6		20.0			
Bromochloromethane	0.1308 0.1328	0.1333 0.1347	0.1383	0.1402	0.1282	Ave		0.1340				3.1		20.0			
Tetrahydrofuran	0.7479 0.8346	0.7172 0.8342	0.7924	0.8409	0.7584	Ave		0.7894				6.2		20.0			
Chloroform	0.3567 0.4086	0.4133 0.4168	0.3963	0.4140	0.3778	Ave		0.3976			0.2000	5.7		20.0			
1,1,1-Trichloroethane	0.3509 0.4397	0.4292 0.4688	0.4200	0.4402	0.4038	Ave		0.4218			0.1000	8.8		20.0			
Cyclohexane	0.3816 0.5076	0.4785 0.5679	0.4447	0.5119	0.4571	Ave		0.4785			0.1000	12.4		20.0			
1,1-Dichloropropene	0.3132 0.3562	0.3540 0.3748	0.3368	0.3599	0.3218	Ave		0.3452				6.4		20.0			
Carbon tetrachloride	0.2998 0.3755	0.3570 0.4006	0.3556	0.3719	0.3433	Ave		0.3577			0.1000	8.8		20.0			
Isobutyl alcohol	0.3259 0.2955	0.2986 0.3053	0.2823	0.3763	0.2652	Ave		0.3070				11.7		20.0			
Benzene	0.9499 1.0402	1.0134 1.0781	1.0082	1.0486	0.9502	Ave		1.0127			0.5000	4.8		20.0			
1,2-Dichloroethane	0.3050 0.3119	0.2912 0.3231	0.2978	0.3130	0.2854	Ave		0.3039			0.1000	4.4		20.0			
t-Amyl methyl ether	0.6649 0.8132	0.6965 0.8923	0.7000	0.7698	0.7183	Ave		0.7507				10.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Heptane	0.2276 0.2741	0.2570 0.2867	0.2311	0.2715	0.2472	Ave		0.2565				8.7		20.0			
n-Butanol	0.2043 0.2421	0.1995 0.2658	0.2071	0.2932	0.2115	Ave		0.2319				15.6		20.0			
Trichloroethene	0.2265 0.2592	0.2562 0.2818	0.2540	0.2603	0.2365	Ave		0.2535			0.2000	7.0		20.0			
Ethyl acrylate	0.3238 0.3847	0.3470 0.4574	0.3413	0.3461	0.3674	Ave		0.3668				12.1		20.0			
Methylcyclohexane	0.3482 0.4774	0.4388 0.5189	0.3913	0.4777	0.4182	Ave		0.4387			0.1000	13.3		20.0			
1,2-Dichloropropane	0.2288 0.2565	0.2420 0.2797	0.2393	0.2508	0.2309	Ave		0.2469			0.1000	7.1		20.0			
t-Amyl ethyl ether	0.2968 0.3730	0.3204 0.4311	0.3164	0.3661	0.3301	Ave		0.3477				13.2		20.0			
Methyl methacrylate	0.1609 0.2273	0.1924 0.2618	0.1998	0.2259	0.2092	Ave		0.2110				15.1		20.0			
1,4-Dioxane	+++++ 0.0809	0.0836 0.0772	0.0784	0.0969	0.0744	Ave		0.0819			0.0050	9.8		20.0			
Dibromomethane	0.1411 0.1621	0.1566 0.1808	0.1506	0.1718	0.1491	Ave		0.1589				8.7		20.0			
Bromodichloromethane	0.2687 0.2987	0.2705 0.3384	0.2654	0.2988	0.2703	Ave		0.2873			0.2000	9.3		20.0			
2-Nitropropane	1.0394 1.2580	1.0467 1.3437	1.0420	1.2125	1.0890	Ave		1.1473				10.8		20.0			
2-Chloroethyl vinyl ether	0.1375 0.1828	0.1511 0.2105	0.1478	0.1573	0.1622	Ave		0.1642				15.1		20.0			
cis-1,3-Dichloropropene	0.3053 0.3733	0.3158 0.4334	0.3215	0.3585	0.3277	Ave		0.3479			0.2000	12.9		20.0			
4-Methyl-2-pentanone	0.3508 0.4415	0.3563 0.4820	0.4186	0.4078	0.4279	Ave		0.4122			0.1000	11.3		20.0			
Toluene	0.7655 0.8441	0.8509 0.8951	0.8009	0.8765	0.8041	Ave		0.8339			0.4000	5.5		20.0			
trans-1,3-Dichloropropene	0.3926 0.4524	0.3828 0.5036	0.3898	0.4310	0.4078	Ave		0.4229			0.1000	10.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl methacrylate	0.4527 0.5386	0.4441 0.5720	0.4583	0.5205	0.4936	Ave		0.4971				9.8		20.0			
1,1,2-Trichloroethane	0.2901 0.3078	0.3014 0.3201	0.2791	0.3215	0.2853	Ave		0.3008			0.1000	5.6		20.0			
Tetrachloroethene	0.3147 0.3636	0.3781 0.3725	0.3448	0.3686	0.3304	Ave		0.3532			0.2000	6.8		20.0			
1,3-Dichloropropane	0.4623 0.5014	0.4816 0.5372	0.4705	0.5049	0.4619	Ave		0.4885				5.7		20.0			
2-Hexanone	0.3404 0.3953	0.3324 0.4204	0.3869	0.3614	0.4009	Ave		0.3768			0.1000	8.7		20.0			
Dibromochloromethane	0.2848 0.3400	0.3067 0.3640	0.3023	0.3362	0.3050	Ave		0.3198				8.6		20.0			
1,2-Dibromoethane	0.2584 0.3342	0.3076 0.3512	0.3015	0.3338	0.3046	Ave		0.3130			0.1000	9.7		20.0			
1-Chlorohexane	0.4054 0.4476	0.4422 0.4604	0.4077	0.4485	0.4116	Ave		0.4319				5.3		20.0			
Chlorobenzene	0.8292 0.9389	0.9075 0.9662	0.8796	0.9435	0.8602	Ave		0.9036			0.5000	5.5		20.0			
1,1,1,2-Tetrachloroethane	0.3092 0.3797	0.3553 0.3841	0.3410	0.3758	0.3508	Ave		0.3566				7.4		20.0			
Ethylbenzene	1.5050 1.7626	1.7133 1.7411	1.6845	1.7703	1.6730	Ave		1.6928			0.1000	5.4		20.0			
m&p-Xylene	0.5598 0.6837	0.6579 0.6767	0.6456	0.6922	0.6462	Ave		0.6517			0.1000	6.8		20.0			
n-Butyl acrylate	0.5947 0.7277	0.6398 0.7914	0.6483	0.6327	0.7332	Ave		0.6811				10.3		20.0			
o-Xylene	0.5659 0.7245	0.6790 0.7171	0.6822	0.7322	0.6985	Ave		0.6856			0.3000	8.3		20.0			
Styrene	0.8410 1.0772	0.9392 1.1003	0.9740	1.0693	1.0378	Ave		1.0055			0.3000	9.2		20.0			
Bromoform	0.2262 0.2622	0.2158 0.2784	0.2271	0.2663	0.2478	Ave		0.2463			0.1000	9.6		20.0			
Isopropylbenzene	1.3477 1.7103	1.5036 1.6587	1.5680	1.7181	1.6329	Ave		1.5913			0.1000	8.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexanone	0.2364 0.2877	0.2672 0.2957	0.2802	0.2839	0.2733	Ave		0.2749				7.0		20.0			
1,1,2,2-Tetrachloroethane	0.9450 1.1050	0.9916 1.1658	1.0293	1.2022	1.0118	Ave		1.0644			0.3000	9.0		20.0			
Bromobenzene	0.6132 0.7325	0.6390 0.7807	0.6909	0.7428	0.6743	Ave		0.6962				8.6		20.0			
trans-1,4-Dichloro-2-butene	0.2525 0.2853	0.2391 0.3148	0.2543	0.2976	0.2603	Ave		0.2720				10.1		20.0			
1,2,3-Trichloropropane	0.2897 0.3405	0.3154 0.3519	0.3235	0.3703	0.3207	Ave		0.3303				8.0		20.0			
N-Propylbenzene	2.9682 3.7284	3.3183 3.6923	3.4193	3.6755	3.3801	Ave		3.4546				7.9		20.0			
2-Chlorotoluene	0.6144 0.7762	0.6668 0.8196	0.7066	0.7513	0.7006	Ave		0.7194				9.6		20.0			
1,3,5-Trimethylbenzene	1.9628 2.8141	2.2826 2.9053	2.4147	2.6569	2.5102	Ave		2.5066				12.9		20.0			
4-Chlorotoluene	0.6106 0.7312	0.6384 0.7871	0.6963	0.7256	0.6681	Ave		0.6939				8.7		20.0			
tert-Butylbenzene	0.3385 0.5367	0.4152 0.5747	0.4445	0.4916	0.4695	Ave		0.4672				16.8		20.0			
1,2,4-Trimethylbenzene	2.1365 2.8705	2.3776 2.9404	2.5013	2.7667	2.5912	Ave		2.5977				11.0		20.0			
sec-Butylbenzene	2.1758 3.4691	2.8121 3.4868	2.9461	3.2949	3.1201	Ave		3.0436				15.1		20.0			
1,3-Dichlorobenzene	1.1657 1.3985	1.2604 1.4337	1.3106	1.4394	1.2933	Ave		1.3288			0.6000	7.6		20.0			
p-Isopropyltoluene	1.8756 2.9982	2.4537 3.0172	2.5593	2.8523	2.6963	Ave		2.6361				15.0		20.0			
1,4-Dichlorobenzene	1.2551 1.4166	1.3290 1.4540	1.3724	1.4742	1.3064	Ave		1.3725			0.5000	5.9		20.0			
1,2,3-Trimethylbenzene	2.2277 3.0515	2.5728 3.1191	2.6837	2.9540	2.7265	Ave		2.7622				11.2		20.0			
Benzyl chloride	1.4531 2.1264	1.6203 2.3024	1.7479	2.1636	1.9200	Ave		1.9048				16.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3-Diethylbenzene	1.1639 1.7103	1.3679 1.7613	1.5011	1.6549	1.5450	Ave		1.5292				13.7		20.0			
1,4-Diethylbenzene	1.1495 1.7773	1.5560 1.8166	1.5867	1.7374	1.6271	Ave		1.6072				14.0		20.0			
n-Butylbenzene	0.9676 1.4109	1.2260 1.4647	1.2557	1.3787	1.2874	Ave		1.2844				12.8		20.0			
1,2-Dichlorobenzene	1.2947 1.4960	1.4331 1.5399	1.4428	1.5716	1.3953	Ave		1.4533			0.4000	6.4		20.0			
1,2-Diethylbenzene	1.0176 1.4784	1.2186 1.5462	1.2663	1.4020	1.3131	Ave		1.3203				13.4		20.0			
1,2-Dibromo-3-Chloropropane	0.2682 0.3300	0.2829 0.3648	0.3074	0.3621	0.3056	Ave		0.3173			0.0500	11.7		20.0			
1,3,5-Trichlorobenzene	0.8227 1.0582	0.9871 1.0950	0.9762	1.0790	0.9781	Ave		0.9995				9.3		20.0			
1,2,4-Trichlorobenzene	0.9028 1.0634	0.9335 1.1007	0.9807	1.1115	0.9825	Ave		1.0107			0.2000	8.1		20.0			
2-Ethylhexyl acrylate	+++++ 0.9887	0.6480 1.2373	0.6834	0.7490	0.8902	Qua	-2.088	0.8832	0.0012045						1.0000		0.9900
Hexachlorobutadiene	0.2543 0.3782	0.3187 0.4013	0.3265	0.3676	0.3404	Ave		0.3410				14.1		20.0			
Naphthalene	3.6565 4.5760	3.8583 4.3776	4.1962	4.9878	4.3096	Ave		4.2803				10.3		20.0			
1,2,3-Trichlorobenzene	0.9044 1.0965	0.9630 1.1236	1.0211	1.1532	0.9976	Ave		1.0371				8.8		20.0			
2-Methylnaphthalene	1.5600 2.2599	1.5296 2.3099	1.6818	2.1523	1.9911	Ave		1.9264				17.3		20.0			
Dibromofluoromethane (Surr)	0.2323 0.2339	0.2388 0.2251	0.2380	0.2359	0.2344	Ave		0.2341				1.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0591 0.0580	0.0606 0.0582	0.0597	0.0599	0.0598	Ave		0.0593				1.6		20.0			
Toluene-d8 (Surr)	1.3059 1.2698	1.3253 1.2970	1.2493	1.3041	1.3049	Ave		1.2938				2.0		20.0			
4-Bromofluorobenzene (Surr)	0.5079 0.4815	0.4920 0.4860	0.4970	0.4910	0.5113	Ave		0.4952				2.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-225004-1 | Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 | Calibration End Date: 04/22/2025 19:36 | Calibration ID: 71959

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-633920/12	WA17X02.D
Level 2	IC 410-633920/13	WA17X03.D
Level 3	IC 410-633920/14	WA17X04.D
Level 4	IC 410-633920/15	WA17X05.D
Level 5	ICIS 410-633920/16	WA17X06.D
Level 6	IC 410-633920/17	copy_WA17X07.D
Level 7	IC 410-633920/18	WA17X08.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	9128 1197405	48007 3388554	102876	222543	496210	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	11524 1206322	48393 3331263	112244	215538	506991	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	10573 1164573	47820 3262682	107971	211456	502186	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	11357 1153595	50420 3328174	106020	215016	482483	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	7248 868643	33208 2311468	81019	148551	369179	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	5728 609102	23859 1680301	56154	107842	255020	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	16828 1860085	71601 5226253	169337	325111	789260	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	10964 1462571	56874 4223240	125746	258539	609364	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	9471 1099149	44205 3468517	90177	207219	478493	1.00 100	4.00 300	10.0	20.0	50.0
Ethanol	TBAd10	Ave	11201 363753	37728 1126141	72295	150105	187057	62.5 2500	250 7500	500	1000	1250
Freon 123a	FB	Ave	6678 832646	33785 2374983	74998	146914	349859	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd10	Ave	18699 2165734	66168 6740164	185904	352221	992260	9.76 976	39.0 2927	97.6	195	488
1,1-Dichloroethene	FB	Ave	4587 619428	23854 1941212	54489	116051	280866	1.00 100	4.00 300	10.0	20.0	50.0
Freon 113	FB	Ave	5907 805612	29996 2447532	66814	152982	362461	1.00 100	4.00 300	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Acetone	TBAd10	Ave	2442 237784	9435 739724	22626	41775	116452	2.00 200	8.00 600	20.0	40.0	100
Methyl iodide	FB	Ave	10512 1273692	46647 3761493	115052	228587	573148	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	9254 655959	32945 2024412	71578	176725	316591	5.00 500	20.0 1500	50.0	100	250
Carbon disulfide	FB	Ave	20653 2392188	89816 7432500	210429	441699	1063512	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	10128 678004	30173 2079632	63832	135766	319311	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	7933 842240	31155 2493638	75048	155555	373978	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	5908 669968	25656 2030204	61170	123561	306246	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	8305 1014754	35555 3074952	90343	230223	471804	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	8590 974624	35110 2929998	88338	189400	462115	2.50 250	10.0 750	25.0	50.0	125
Methyl tertiary butyl ether	FB	Ave	18876 2104351	74031 6168563	185873	393693	960579	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	5147 582551	22884 1705479	53735	111377	264471	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	5636 792828	27606 2277557	63275	152409	344645	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	8660 1009330	38350 2927680	91337	193880	448537	1.00 100	4.00 300	10.0	20.0	50.0
Isopropyl ether	FB	Ave	16668 1901766	67172 5633473	163989	355636	846587	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	6522 893038	32632 2630223	76855	168689	396378	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	16527 2000853	69122 6000088	170881	372771	908047	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone	FB	Ave	9937 1048139	36688 3260088	95878	175908	508471	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	5960 669058	25048 1903153	60062	128529	302774	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	8249 1067582	38451 3223383	90582	198651	475724	1.00 100	4.00 300	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	7951 885747	30860 2753110	79057	175325	424564	5.00 500	20.0 1500	50.0	100	250
Methyl acrylate	FB	Ave	8154 929728	33465 2908842	80552	166028	451223	1.00 100	4.00 300	10.0	20.0	50.0
Methacrylonitrile	FB	Ave	7854 961266	31546 2766599	81515	182867	434984	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	3119 328150	12399 888922	31308	65224	154988	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	6952 785234	25619 2275140	69284	149431	362046	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	8504 1009475	38445 2750150	89742	192635	456762	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	8365 1086322	39928 3093422	95108	204858	488166	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	9096 1254084	44518 3747443	100706	238196	552688	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	7467 880065	32929 2472961	76274	167487	389017	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	7146 927633	33215 2643339	80529	173065	414997	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	7573 695100	26665 2081531	61700	167194	316499	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	22644 2569717	94277 7113641	228313	487966	1148856	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	7270 770520	27086 2131883	67436	145633	345087	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	15851 2008901	64792 5887278	158512	358223	868452	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Ave	5425 677267	23911 1891890	52337	126344	298909	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd10	Ave	4749 569518	17813 1812514	45271	130278	252397	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	5399 640325	23836 1859641	57513	121144	285953	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl acrylate	FB	Ave	7721 950720	32295 3018829	77310	161137	444374	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	8302	40820	88619	222311	505576	1.00	4.00	10.0	20.0	50.0

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1179346	3423845				100	300			
1,2-Dichloropropane	FB	Ave	5454 633766	22510 1845666	54202	116687	279131	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	7075 921366	29807 2844401	71655	170362	399072	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	3835 561571	17895 1727553	45235	105136	252875	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd10	Ave	+++++ 190302	7463 526202	17141	43067	88754	+++++ 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	3363 400573	14570 1193205	34113	79959	180266	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	6406 738020	25165 2233063	60097	139044	326742	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd10	Ave	9662 1183568	37388 3664988	91105	215469	519911	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	3279 451534	14057 1389168	33479	73177	196134	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	7277 922147	29376 2859552	72799	166841	396253	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone	FB	Ave	16726 2181431	66299 6361261	189575	379578	1034793	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd5	Ave	13182 1583436	56935 4617505	134466	302566	698780	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	6761 848637	25615 2597827	65452	148763	354363	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	7795 1010382	29714 2950592	76943	179660	428932	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	4995 577452	20167 1651073	46868	110963	247949	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd5	Ave	5419 681997	25300 1921443	57886	127243	287097	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	7961 940521	32223 2771332	78990	174270	401452	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd5	Ave	11722 1483057	44485 4337386	129912	249472	696751	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd5	Ave	4904 637721	20520 1877528	50764	116036	265023	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane	CBZd5	Ave	4449 626826	20581 1811531	50622	115219	264755	1.00 100	4.00 300	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1-Chlorohexane	CBZd5	Ave	6980 839524	29591 2374992	68462	154829	357668	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd5	Ave	14278 1761115	60723 4983966	147687	325665	747570	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	5324 712238	23772 1981296	57251	129734	304860	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd5	Ave	25915 3306308	114639 8981501	282826	611081	1453937	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd5	Ave	19280 2565033	88041 6981439	216806	477885	1123235	2.00 200	8.00 600	20.0	40.0	100
n-Butyl acrylate	CBZd5	Ave	10237 1364526	42794 4080675	108798	218303	636944	1.000 100.0	4.00 300	10.00	20.0	50.0
o-Xylene	CBZd5	Ave	9745 1359028	45435 3698839	114542	252759	607060	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	14482 2020503	62845 5675700	163533	369104	901886	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Ave	3895 491833	14440 1436036	38137	91913	215351	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	23207 3208202	100609 8556416	263267	593048	1419070	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd10	Ave	21970 676611	95448 2016319	122481	252190	326152	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd4	Ave	9647 1145735	39565 3179469	101158	241869	520297	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd4	Ave	6260 759523	25497 2129278	67903	149444	346758	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	6443 739460	23850 2146133	62489	149662	334590	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd4	Ave	2957 353030	12586 959631	31797	74494	164917	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd4	Ave	30300 3865904	132397 10069876	336036	739470	1738228	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	6272 804872	26604 2235251	69440	151152	360259	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	20036 2917861	91072 7923423	237312	534532	1290885	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	6233 758187	25471 2146540	68431	145972	343574	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	3455	16566	43680	98894	241445	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-225004-1 | Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 | Calibration End Date: 04/22/2025 19:36 | Calibration ID: 71959

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			556486	1567383				100	300			
1,2,4-Trimethylbenzene	DCBd4	Ave	21810 2976318	94864 8019158	245817	556636	1332522	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	22211 3597027	112198 9509473	289534	662890	1604483	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	11900 1450029	50287 3910068	128801	289596	665057	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	19146 3108775	97900 8228786	251518	573846	1386570	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	12812 1468883	53027 3965361	134876	296584	671832	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	22741 3164078	102653 8506692	263739	594305	1402073	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Ave	14833 2204843	64649 6279187	171774	435296	987369	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	11881 1773323	54579 4803612	147521	332947	794535	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	11734 1842818	62081 4954436	155932	349548	836742	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	9877 1462915	48916 3994562	123402	277370	662021	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	13216 1551158	57180 4199799	141794	316190	717512	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	10388 1532903	48620 4216824	124447	282073	675260	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	2738 342213	11286 994779	30207	72856	157143	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	8398 1097205	39384 2986401	95941	217075	502988	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	9216 1102589	37244 3001862	96383	223628	505234	1.00 100	4.00 300	10.0	20.0	50.0
2-Ethylhexyl acrylate	DCBd4	Qua	+++++ 1024602	25840 3372590	67124	150605	457555	+++++ 99.9	4.00 300	9.99	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	2596 392106	12717 1094471	32086	73964	175030	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd4	Ave	37326 4744742	153941 11938739	412387	1003481	2216180	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	9232 1136969	38421 3064463	100350	232019	513011	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	15925	61031	165278	433010	1023912	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			2343239	6299738				100	300			
Dibromofluoromethane (Surr)	FB	Ave	276892 288955	277713 247588	269441	274420	283386	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	70452 71641	70421 64024	67653	69695	72353	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	1124369 1190959	1108449 1115066	1048802	1125431	1134008	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	437258 451589	411482 417848	417269	423729	444340	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-633920/12	WA17X02.D
Level 2	IC 410-633920/13	WA17X03.D
Level 3	IC 410-633920/14	WA17X04.D
Level 4	IC 410-633920/15	WA17X05.D
Level 5	ICIS 410-633920/16	WA17X06.D
Level 6	IC 410-633920/17	copy_WA17X07.D
Level 7	IC 410-633920/18	WA17X08.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-17.3 10.9	11.5	-1.9	3.3	-11.3	4.7	50 30	30	30	30	30	30
Chloromethane	0.3 4.7	7.9	2.8	-3.9	-13.0	1.3	50 30	30	30	30	30	30
Vinyl chloride	-5.1 5.9	10.0	2.1	-2.7	-11.1	0.9	50 30	30	30	30	30	30
1,3-Butadiene	0.5 6.4	14.3	-1.3	-2.6	-15.8	-1.5	50 30	30	30	30	30	30
Bromomethane	-9.3 4.6	6.5	6.8	-4.7	-8.9	4.9	50 30	30	30	30	30	30
Chloroethane	-0.4 5.6	6.3	2.8	-3.9	-12.6	2.2	50 30	30	30	30	30	30
Dichlorofluoromethane	-3.5 8.3	5.2	2.2	-4.5	-10.7	2.9	50 30	30	30	30	30	30
Trichlorofluoromethane	-17.8 14.3	9.2	-0.8	-0.7	-10.0	5.8	50 30	30	30	30	30	30
n-Pentane	-9.8 19.4	7.9	-9.6	1.1	-10.1	1.0	50 30	30	30	30	30	30
Ethanol	15.1 -1.4	0.9	-1.3	0.8	-6.4	-7.7	50 30	30	30	30	30	30
Freon 123a	-13.9 10.7	11.7	1.8	-2.9	-11.0	3.6	50 30	30	30	30	30	30
Acrolein	-5.0 16.7	-12.5	0.4	-6.4	-1.9	8.7	50 30	30	30	30	30	30
1,1-Dichloroethene	-21.5 20.0	4.6	-1.9	1.7	-5.2	2.3	50 30	30	30	30	30	30
Freon 113	-20.8 18.5	3.0	-5.7	5.0	-4.2	4.2	50 30	30	30	30	30	30
Acetone	2.8 6.1	3.4	1.3	-8.0	-4.5	-1.1	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl iodide	-11.8 14.0	0.2	1.6	-1.8	-5.2	3.1	50 30	30	30	30	30	30
2-Propanol	19.5 -10.9	10.7	-1.8	19.3	-20.4	-16.3	50 30	30	30	30	30	30
Carbon disulfide	-9.3 18.0	1.1	-2.7	-0.6	-7.9	1.4	50 30	30	30	30	30	30
Methyl acetate	36.6 1.4	4.3	-9.3	-6.2	-15.1	-11.7	50 30	30	30	30	30	30
Allyl chloride	-1.4 12.0	-0.7	-1.8	-0.9	-8.3	1.1	50 30	30	30	30	30	30
Methylene Chloride	-8.3 13.9	2.1	0.0	-1.7	-6.3	0.4	50 30	30	30	30	30	30
t-Butyl alcohol	-15.6 6.5	-6.0	-2.4	22.4	-6.7	1.9	50 30	30	30	30	30	30
Acrylonitrile	-8.5 12.8	-4.1	-0.9	3.4	-2.9	0.2	50 30	30	30	30	30	30
Methyl tertiary butyl ether	-5.0 12.1	-4.5	-1.5	1.5	-4.7	2.2	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-8.5 9.6	4.3	0.6	1.4	-7.3	-0.1	50 30	30	30	30	30	30
n-Hexane	-20.9 15.5	-0.7	-6.5	9.6	-4.6	7.4	50 30	30	30	30	30	30
1,1-Dichloroethane	-9.8 10.2	2.4	0.2	3.5	-7.9	1.5	50 30	30	30	30	30	30
Isopropyl ether	-6.5 14.2	-3.4	-3.1	2.2	-6.3	3.0	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-20.7 15.6	1.7	-1.6	5.1	-4.9	4.8	50 30	30	30	30	30	30
Ethyl t-butyl ether	-11.2 16.5	-4.8	-3.3	2.7	-3.7	3.8	50 30	30	30	30	30	30
2-Butanone	-1.1 17.2	-6.5	0.4	-10.3	-0.3	0.6	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-6.4 7.9	0.8	-0.7	3.4	-6.3	1.4	50 30	30	30	30	30	30
2,2-Dichloropropane	-16.5 17.9	-0.2	-3.5	3.0	-5.0	4.3	50 30	30	30	30	30	30
Propionitrile	-7.2 9.5	-6.2	-1.9	7.1	-3.5	2.2	50 30	30	30	30	30	30
Methyl acrylate	-8.1 18.5	-3.3	-4.4	-4.1	0.3	1.1	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methacrylonitrile	-10.9 13.3	-8.3	-2.7	6.2	-2.7	5.2	50 30	30	30	30	30	30
Bromochloromethane	-2.4 0.5	-0.6	3.1	4.6	-4.4	-0.9	50 30	30	30	30	30	30
Tetrahydrofuran	-5.3 5.7	-9.1	0.4	6.5	-3.9	5.7	50 30	30	30	30	30	30
Chloroform	-10.3 4.8	3.9	-0.3	4.1	-5.0	2.8	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-16.8 11.1	1.8	-0.4	4.4	-4.3	4.2	50 30	30	30	30	30	30
Cyclohexane	-20.3 18.7	0.0	-7.1	7.0	-4.5	6.1	50 30	30	30	30	30	30
1,1-Dichloropropene	-9.3 8.6	2.5	-2.4	4.2	-6.8	3.2	50 30	30	30	30	30	30
Carbon tetrachloride	-16.2 12.0	-0.2	-0.6	4.0	-4.0	5.0	50 30	30	30	30	30	30
Isobutyl alcohol	6.1 -0.6	-2.7	-8.1	22.6	-13.6	-3.7	50 30	30	30	30	30	30
Benzene	-6.2 6.5	0.1	-0.4	3.5	-6.2	2.7	50 30	30	30	30	30	30
1,2-Dichloroethane	0.3 6.3	-4.2	-2.0	3.0	-6.1	2.6	50 30	30	30	30	30	30
t-Amyl methyl ether	-11.4 18.9	-7.2	-6.8	2.5	-4.3	8.3	50 30	30	30	30	30	30
n-Heptane	-11.3 11.8	0.2	-9.9	5.9	-3.6	6.9	50 30	30	30	30	30	30
n-Butanol	-11.9 14.6	-14.0	-10.7	26.4	-8.8	4.4	50 30	30	30	30	30	30
Trichloroethene	-10.7 11.2	1.1	0.2	2.7	-6.7	2.2	50 30	30	30	30	30	30
Ethyl acrylate	-11.7 24.7	-5.4	-7.0	-5.6	0.2	4.9	50 30	30	30	30	30	30
Methylcyclohexane	-20.6 18.3	0.0	-10.8	8.9	-4.7	8.8	50 30	30	30	30	30	30
1,2-Dichloropropane	-7.3 13.3	-2.0	-3.0	1.6	-6.5	3.9	50 30	30	30	30	30	30
t-Amyl ethyl ether	-14.6 24.0	-7.8	-9.0	5.3	-5.1	7.3	50 30	30	30	30	30	30
Methyl methacrylate	-23.8 24.1	-8.8	-5.3	7.1	-0.9	7.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dioxane	+++++ -5.8	2.1	-4.2	18.4	-9.2	-1.2	30	50	30	30	30	30
Dibromomethane	-11.2 13.8	-1.4	-5.2	8.1	-6.2	2.0	50 30	30	30	30	30	30
Bromodichloromethane	-6.5 17.8	-5.8	-7.6	4.0	-5.9	4.0	50 30	30	30	30	30	30
2-Nitropropane	-9.4 17.1	-8.8	-9.2	5.7	-5.1	9.6	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-16.2 28.2	-8.0	-10.0	-4.2	-1.2	11.3	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-12.3 24.6	-9.2	-7.6	3.0	-5.8	7.3	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-14.9 17.0	-13.5	1.6	-1.0	3.8	7.1	50 30	30	30	30	30	30
Toluene	-8.2 7.3	2.0	-4.0	5.1	-3.6	1.2	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-7.1 19.1	-9.5	-7.8	1.9	-3.6	7.0	50 30	30	30	30	30	30
Ethyl methacrylate	-8.9 15.1	-10.7	-7.8	4.7	-0.7	8.4	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-3.6 6.4	0.2	-7.2	6.9	-5.1	2.4	50 30	30	30	30	30	30
Tetrachloroethene	-10.9 5.5	7.0	-2.4	4.4	-6.5	2.9	50 30	30	30	30	30	30
1,3-Dichloropropane	-5.4 10.0	-1.4	-3.7	3.3	-5.4	2.6	50 30	30	30	30	30	30
2-Hexanone	-9.7 11.6	-11.8	2.7	-4.1	6.4	4.9	50 30	30	30	30	30	30
Dibromochloromethane	-11.0 13.8	-4.1	-5.5	5.1	-4.7	6.3	50 30	30	30	30	30	30
1,2-Dibromoethane	-17.5 12.2	-1.7	-3.7	6.6	-2.7	6.8	50 30	30	30	30	30	30
1-Chlorohexane	-6.2 6.6	2.4	-5.6	3.8	-4.7	3.6	50 30	30	30	30	30	30
Chlorobenzene	-8.2 6.9	0.4	-2.7	4.4	-4.8	3.9	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-13.3 7.7	-0.4	-4.4	5.4	-1.6	6.5	50 30	30	30	30	30	30
Ethylbenzene	-11.1 2.9	1.2	-0.5	4.6	-1.2	4.1	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
m&p-Xylene	-14.1 3.8	0.9	-0.9	6.2	-0.8	4.9	50 30	30	30	30	30	30
n-Butyl acrylate	-12.7 16.2	-6.1	-4.8	-7.1	7.6	6.8	50 30	30	30	30	30	30
o-Xylene	-17.5 4.6	-1.0	-0.5	6.8	1.9	5.7	50 30	30	30	30	30	30
Styrene	-16.4 9.4	-6.6	-3.1	6.3	3.2	7.1	50 30	30	30	30	30	30
Bromoform	-8.1 13.0	-12.4	-7.8	8.1	0.6	6.5	50 30	30	30	30	30	30
Isopropylbenzene	-15.3 4.2	-5.5	-1.5	8.0	2.6	7.5	50 30	30	30	30	30	30
Cyclohexanone	-14.0 7.6	-2.8	1.9	3.3	-0.6	4.6	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-11.2 9.5	-6.8	-3.3	12.9	-4.9	3.8	50 30	30	30	30	30	30
Bromobenzene	-11.9 12.1	-8.2	-0.8	6.7	-3.1	5.2	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-7.2 15.7	-12.1	-6.5	9.4	-4.3	4.9	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-12.3 6.5	-4.5	-2.0	12.1	-2.9	3.1	50 30	30	30	30	30	30
N-Propylbenzene	-14.1 6.9	-3.9	-1.0	6.4	-2.2	7.9	50 30	30	30	30	30	30
2-Chlorotoluene	-14.6 13.9	-7.3	-1.8	4.4	-2.6	7.9	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-21.7 15.9	-8.9	-3.7	6.0	0.1	12.3	50 30	30	30	30	30	30
4-Chlorotoluene	-12.0 13.4	-8.0	0.3	4.6	-3.7	5.4	50 30	30	30	30	30	30
tert-Butylbenzene	-27.6 23.0	-11.1	-4.9	5.2	0.5	14.9	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-17.8 13.2	-8.5	-3.7	6.5	-0.3	10.5	50 30	30	30	30	30	30
sec-Butylbenzene	-28.5 14.6	-7.6	-3.2	8.3	2.5	14.0	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-12.3 7.9	-5.1	-1.4	8.3	-2.7	5.2	50 30	30	30	30	30	30
p-Isopropyltoluene	-28.9 14.5	-6.9	-2.9	8.2	2.3	13.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 633920

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/22/2025 17:25 Calibration End Date: 04/22/2025 19:36 Calibration ID: 71959

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	-8.6 5.9	-3.2	0.0	7.4	-4.8	3.2	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-19.3 12.9	-6.9	-2.8	6.9	-1.3	10.5	50 30	30	30	30	30	30
Benzyl chloride	-23.7 20.9	-14.9	-8.2	13.6	0.8	11.6	50 30	30	30	30	30	30
1,3-Diethylbenzene	-23.9 15.2	-10.5	-1.8	8.2	1.0	11.8	50 30	30	30	30	30	30
1,4-Diethylbenzene	-28.5 13.0	-3.2	-1.3	8.1	1.2	10.6	50 30	30	30	30	30	30
n-Butylbenzene	-24.7 14.0	-4.5	-2.2	7.3	0.2	9.8	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-10.9 6.0	-1.4	-0.7	8.1	-4.0	2.9	50 30	30	30	30	30	30
1,2-Diethylbenzene	-22.9 17.1	-7.7	-4.1	6.2	-0.5	12.0	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-15.5 15.0	-10.8	-3.1	14.1	-3.7	4.0	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-17.7 9.6	-1.2	-2.3	8.0	-2.1	5.9	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-10.7 8.9	-7.6	-3.0	10.0	-2.8	5.2	50 30	30	30	30	30	30
2-Ethylhexyl acrylate	+++++ 0.0	31.5	-0.3	-5.8	-1.1	0.5	 30	50	30	30	30	30
Hexachlorobutadiene	-25.4 17.7	-6.5	-4.3	7.8	-0.2	10.9	50 30	30	30	30	30	30
Naphthalene	-14.6 2.3	-9.9	-2.0	16.5	0.7	6.9	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-12.8 8.3	-7.1	-1.5	11.2	-3.8	5.7	50 30	30	30	30	30	30
2-Methylnaphthalene	-19.0 19.9	-20.6	-12.7	11.7	3.4	17.3	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.8 -3.8	2.0	1.7	0.8	0.1	-0.1	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.4 -1.9	2.1	0.7	1.0	0.8	-2.3	50 30	30	30	30	30	30
Toluene-d8 (Surr)	0.9 0.2	2.4	-3.4	0.8	0.9	-1.8	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	2.5 -1.9	-0.7	0.4	-0.9	3.2	-2.8	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X02.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Apr-2025 17:25:30 ALS Bottle#: 2 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141045-013
Misc. Info.: IC V4
Operator ID: knk41612 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 25-Apr-2025 08:41:38 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: DVW2 Date: 23-Apr-2025 08:38:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	1.979	1.989	-0.010	92	9128	1.00	0.8272	
7 Chloromethane	50	2.191	2.191	0.000	96	11524	1.00	1.00	
9 Vinyl chloride	62	2.309	2.309	0.000	98	10573	1.00	0.9494	
8 Butadiene	39	2.332	2.316	0.016	74	11357	1.00	1.00	
12 Bromomethane	94	2.662	2.669	-0.007	91	7248	1.00	0.9075	
13 Chloroethane	64	2.723	2.733	-0.010	32	5728	1.00	1.00	M
14 Dichlorofluoromethane	67	3.006	3.012	-0.006	57	16828	1.00	0.9651	
15 Trichlorofluoromethane	101	3.064	3.064	0.000	38	10964	1.00	0.8216	
28 Pentane	43	3.096	3.089	0.007	73	9471	1.00	0.9022	
17 Ethanol	45	3.356	3.291	0.065	22	11201	62.5	71.9	M
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.372	3.394	-0.022	4	6678	1.00	0.8613	
19 Acrolein	56	3.497	3.484	0.013	94	18699	9.76	9.27	M
20 1,1-Dichloroethene	96	3.631	3.632	-0.001	55	4587	1.00	0.7849	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.644	3.654	-0.010	22	5907	1.00	0.7917	
21 Acetone	58	3.660	3.657	0.003	46	2442	2.00	2.06	M
24 Isopropyl alcohol	45	3.834	3.821	0.013	8	9254	5.00	5.97	M
23 Iodomethane	142	3.818	3.837	-0.019	68	10512	1.00	0.8816	
25 Carbon disulfide	76	3.930	3.956	-0.026	74	20653	1.00	0.9072	
27 Methyl acetate	43	4.110	4.081	0.029	61	10128	1.00	1.37	
30 3-Chloro-1-propene	41	4.103	4.116	-0.013	50	7933	1.00	0.9864	
33 Methylene Chloride	84	4.309	4.315	-0.006	14	5908	1.00	0.9172	
* 34 t-Butyl alcohol-d10 (IS)	65	4.398	4.357	0.041	24	464794	250.0	250.0	
35 2-Methyl-2-propanol	59	4.514	4.463	0.051	1	8305	5.00	4.22	
36 Acrylonitrile	53	4.678	4.665	0.013	68	8590	2.50	2.29	
37 Methyl tert-butyl ether	73	4.713	4.716	-0.003	62	18876	1.00	0.9498	
38 trans-1,2-Dichloroethene	96	4.713	4.726	-0.013	45	5147	1.00	0.9151	
39 Hexane	57	5.146	5.159	-0.013	52	5636	1.00	0.7913	
41 1,1-Dichloroethane	63	5.409	5.400	0.009	30	8660	1.00	0.9021	M
42 Isopropyl ether	45	5.457	5.454	0.003	87	16668	1.00	0.9352	
43 2-Chloro-1,3-butadiene	53	5.505	5.506	-0.001	27	6522	1.00	0.7932	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Tert-butyl ethyl ether	59	6.006	5.993	0.013	78	16527	1.00	0.8884	
S 45 1,2-Dichloroethene, Total	100				0			1.85	
46 2-Butanone (MEK)	43	6.218	6.199	0.019	69	9937	2.00	1.98	
47 cis-1,2-Dichloroethene	96	6.240	6.234	0.006	7	5960	1.00	0.9357	
49 2,2-Dichloropropane	77	6.269	6.256	0.013	53	8249	1.00	0.8351	
50 Propionitrile	54	6.308	6.314	-0.006	54	7951	5.00	4.64	
51 Methyl acrylate	55	6.321	6.324	-0.003	45	8154	1.00	0.9194	
53 Methacrylonitrile	67	6.507	6.510	-0.003	62	7854	2.50	2.23	
54 Chlorobromomethane	128	6.564	6.568	-0.004	88	3119	1.00	0.9761	
55 Tetrahydrofuran	71	6.574	6.577	-0.003	90	6952	5.00	4.74	
56 Chloroform	83	6.722	6.722	0.000	27	8504	1.00	0.8971	
$ 57 Dibromofluoromethane (Surr)	113	6.937	6.937	0.000	93	276892	50.0	49.6	
58 1,1,1-Trichloroethane	97	6.953	6.946	0.007	36	8365	1.00	0.8319	
59 Cyclohexane	56	7.049	7.043	0.006	80	9096	1.00	0.7974	
61 Carbon tetrachloride	117	7.165	7.158	0.006	93	7146	1.00	0.8381	
62 1,1-Dichloropropene	75	7.155	7.158	-0.003	83	7467	1.00	0.9072	
64 Isobutyl alcohol	41	7.338	7.341	-0.003	30	7573	12.5	13.3	
$ 65 1,2-Dichloroethane-d4 (Surr)	102	7.389	7.389	0.000	72	70452	50.0	49.8	
66 Benzene	78	7.421	7.424	-0.003	90	22644	1.00	0.9380	
69 1,2-Dichloroethane	62	7.505	7.498	0.007	92	7270	1.00	1.00	
70 Tert-amyl methyl ether	73	7.620	7.620	0.000	96	15851	1.00	0.8857	
* 73 Fluorobenzene (IS)	96	7.829	7.829	0.000	99	1191967	50.0	50.0	
74 n-Heptane	43	7.838	7.835	0.003	37	5425	1.00	0.8873	
75 n-Butanol	56	8.249	8.204	0.045	25	4749	12.5	11.0	M
76 Trichloroethene	95	8.300	8.310	-0.010	76	5399	1.00	0.8934	
77 Ethyl acrylate	55	8.429	8.426	0.003	97	7721	1.00	0.8829	
78 Methylcyclohexane	83	8.615	8.618	-0.003	51	8302	1.00	0.7939	M
80 1,2-Dichloropropane	63	8.650	8.647	0.003	71	5454	1.00	0.9268	
79 2-ethoxy-2-methyl butane	87	8.657	8.647	0.010	94	7075	1.00	0.8536	
81 Methyl methacrylate	69	8.727	8.724	0.003	38	3835	1.00	0.7623	
82 1,4-Dioxane	88	8.730	8.734	-0.004	1	940	12.5	6.17	M
83 Dibromomethane	93	8.743	8.756	-0.013	58	3363	1.00	0.8878	
85 Dichlorobromomethane	83	9.000	8.987	0.013	95	6406	1.00	0.9354	
86 2-Nitropropane	41	9.266	9.266	0.000	95	9662	5.00	4.53	
88 2-Chloroethyl vinyl ether	63	9.356	9.350	0.006	87	3279	1.00	0.8378	
91 cis-1,3-Dichloropropene	75	9.536	9.530	0.006	94	7277	1.00	0.8774	
92 4-Methyl-2-pentanone (MIBK)	43	9.703	9.706	-0.003	96	16726	2.00	1.70	
$ 94 Toluene-d8 (Surr)	98	9.838	9.837	0.001	94	1124369	50.0	50.5	
99 Toluene	92	9.911	9.911	0.000	98	13182	1.00	0.9180	
S 120 1,3-Dichloropropene, Total	100				0			1.81	
124 trans-1,3-Dichloropropene	75	10.165	10.168	-0.003	88	6761	1.00	0.9285	
126 Ethyl methacrylate	69	10.223	10.223	0.000	82	7795	1.00	0.9106	
128 1,1,2-Trichloroethane	97	10.373	10.367	0.006	87	4995	1.00	0.9645	
129 Tetrachloroethene	166	10.454	10.450	0.004	94	5419	1.00	0.8909	
131 1,3-Dichloropropane	76	10.531	10.534	-0.003	89	7961	1.00	0.9463	
133 2-Hexanone	43	10.582	10.582	0.000	96	11722	2.00	1.81	
135 Chlorodibromomethane	129	10.739	10.742	-0.003	91	4904	1.00	0.8904	
136 Ethylene Dibromide	107	10.848	10.852	-0.004	83	4449	1.00	0.8254	
S 137 Xylenes, Total	106				0			2.54	
* 138 Chlorobenzene-d5 (IS)	117	11.282	11.281	0.001	84	860979	50.0	50.0	
139 1-Chlorohexane	91	11.288	11.288	0.000	32	6980	1.00	0.9385	M
140 Chlorobenzene	112	11.307	11.307	0.000	91	14278	1.00	0.9177	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
141 1,1,1,2-Tetrachloroethane	131	11.387	11.387	0.000	45	5324	1.00	0.8671	
142 Ethylbenzene	91	11.391	11.394	-0.003	97	25915	1.00	0.8890	
143 m-Xylene & p-Xylene	106	11.503	11.509	-0.006	100	19280	2.00	1.72	
144 n-Butyl acrylate	55	11.782	11.782	0.000	98	10237	1.00	0.8728	
145 o-Xylene	106	11.840	11.837	0.003	96	9745	1.00	0.8254	
146 Styrene	104	11.846	11.853	-0.007	82	14482	1.00	0.8364	
147 Bromoform	173	12.010	12.007	0.003	93	3895	1.00	0.9185	
148 Isopropylbenzene	105	12.132	12.135	-0.003	93	23207	1.00	0.8469	
150 Cyclohexanone	55	12.219	12.219	0.000	90	21970	50.0	43.0	
$ 151 4-Bromofluorobenzene (Surr)	95	12.280	12.279	0.001	90	437258	50.0	51.3	
152 1,1,2,2-Tetrachloroethane	83	12.379	12.379	0.000	95	9647	1.00	0.8879	
153 Bromobenzene	156	12.405	12.395	0.010	95	6260	1.00	0.8808	
154 trans-1,4-Dichloro-2-butene	53	12.408	12.408	0.000	79	6443	2.50	2.32	
155 1,2,3-Trichloropropane	110	12.434	12.427	0.007	59	2957	1.00	0.8770	
156 N-Propylbenzene	91	12.462	12.462	0.000	99	30300	1.00	0.8592	
157 2-Chlorotoluene	126	12.543	12.539	0.004	95	6272	1.00	0.8541	
158 1,3,5-Trimethylbenzene	105	12.600	12.597	0.003	95	20036	1.00	0.7830	
159 4-Chlorotoluene	126	12.636	12.633	0.003	96	6233	1.00	0.8800	
160 tert-Butylbenzene	134	12.844	12.838	0.006	91	3455	1.00	0.7244	
162 1,2,4-Trimethylbenzene	105	12.880	12.883	-0.003	95	21810	1.00	0.8225	
163 sec-Butylbenzene	105	13.005	13.005	0.000	93	22211	1.00	0.7149	
164 1,3-Dichlorobenzene	146	13.104	13.104	0.000	96	11900	1.00	0.8773	
165 4-Isopropyltoluene	119	13.111	13.111	0.000	96	19146	1.00	0.7115	
* 166 1,4-Dichlorobenzene-d4	152	13.159	13.159	0.000	95	510405	50.0	50.0	
168 1,4-Dichlorobenzene	146	13.178	13.178	0.000	93	12812	1.00	0.9144	
169 1,2,3-Trimethylbenzene	105	13.188	13.188	0.000	93	22741	1.00	0.8065	
170 Benzyl chloride	91	13.258	13.255	0.003	97	14833	1.00	0.7628	
171 1,3-Diethylbenzene	119	13.310	13.310	0.000	96	11881	1.00	0.7611	
172 p-Diethylbenzene	119	13.380	13.380	0.000	91	11734	1.00	0.7152	
173 n-Butylbenzene	92	13.403	13.403	0.000	97	9877	1.00	0.7533	
174 1,2-Dichlorobenzene	146	13.438	13.438	0.000	98	13216	1.00	0.8908	
175 o-diethylbenzene	119	13.457	13.454	0.003	94	10388	1.00	0.7707	
177 1,2-Dibromo-3-Chloropropane	75	13.980	13.980	0.000	86	2738	1.00	0.8454	
178 1,3,5-Trichlorobenzene	180	14.102	14.105	-0.003	95	8398	1.00	0.8231	
179 1,2,4-Trichlorobenzene	180	14.529	14.529	0.000	91	9216	1.00	0.8932	
180 2-Ethylhexyl acrylate	55	14.584	14.584	0.000	83	6112	1.00	3.03	
181 Hexachlorobutadiene	225	14.606	14.612	-0.006	90	2596	1.00	0.7458	
182 Naphthalene	128	14.715	14.712	0.003	96	37326	1.00	0.8543	
183 1,2,3-Trichlorobenzene	180	14.859	14.856	0.003	97	9232	1.00	0.8721	
184 2-Methylnaphthalene	142	15.501	15.495	0.006	96	15925	1.00	0.8098	
S 210 Total Diethylbenzene	1				0			2.25	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_4ppbEtOH_00755	Amount Added: 12.50	Units: mL	
MSV_Cent_ISSS_00036	Amount Added: 5.00	Units: uL	Run Reagent

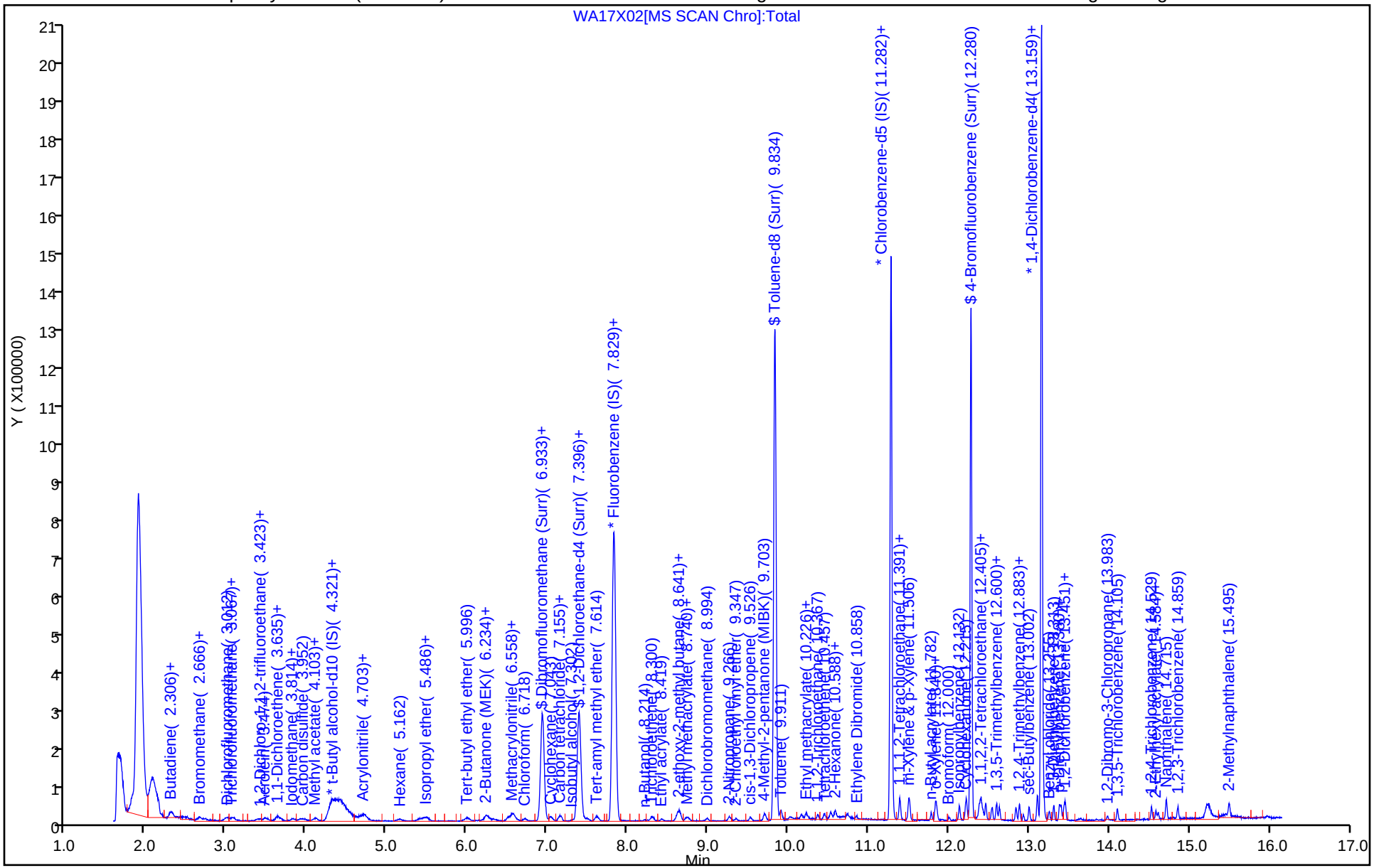
Report Date: 25-Apr-2025 08:41:38 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X02.D

Injection Date:	22-Apr-2025 17:25:30	Instrument ID:	9137	Operator ID:	knk41612
Lims ID:	IC v1			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

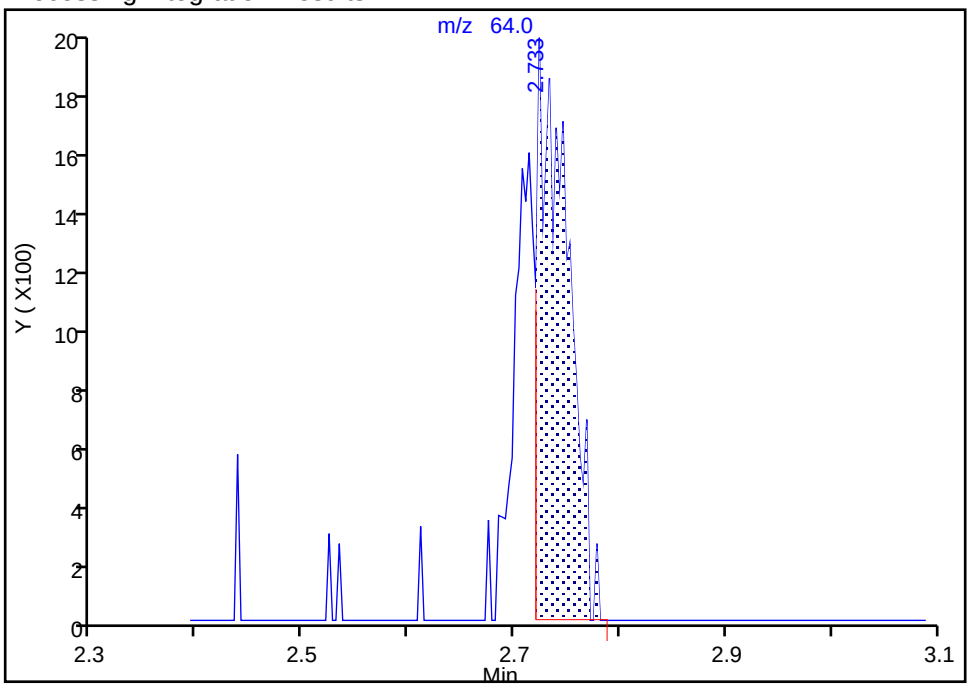
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X02.D				
Injection Date:	22-Apr-2025 17:25:30	Instrument ID:	9137		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

13 Chloroethane, CAS: 75-00-3

Signal: 1

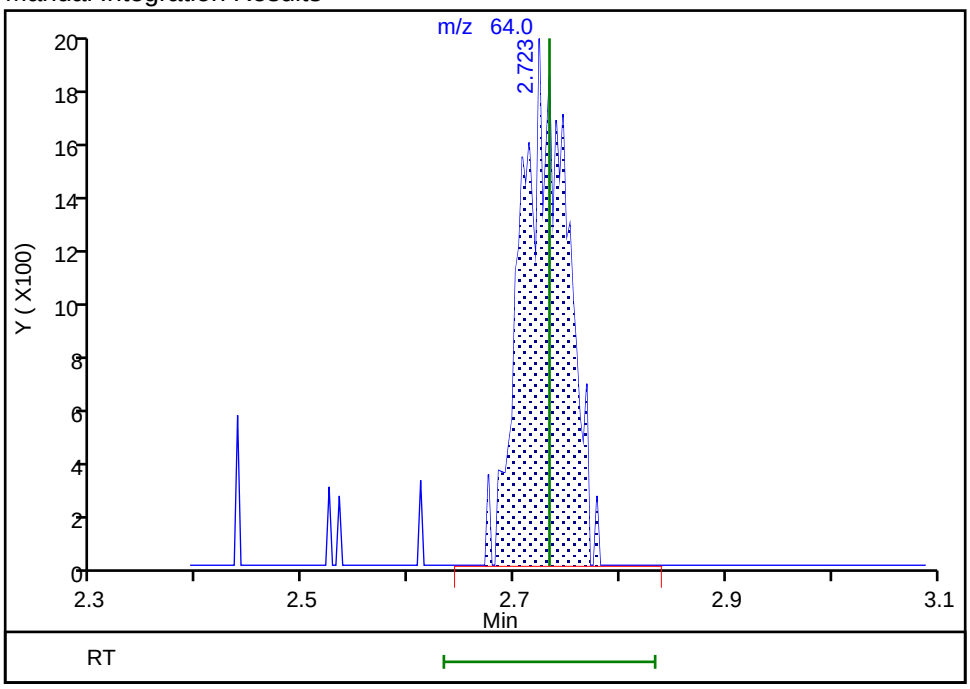
Processing Integration Results

RT: 2.73
Area: 3749
Amount: 0.685619
Amount Units: ug/l



Manual Integration Results

RT: 2.72
Area: 5728
Amount: 0.996041
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 17:19:51 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

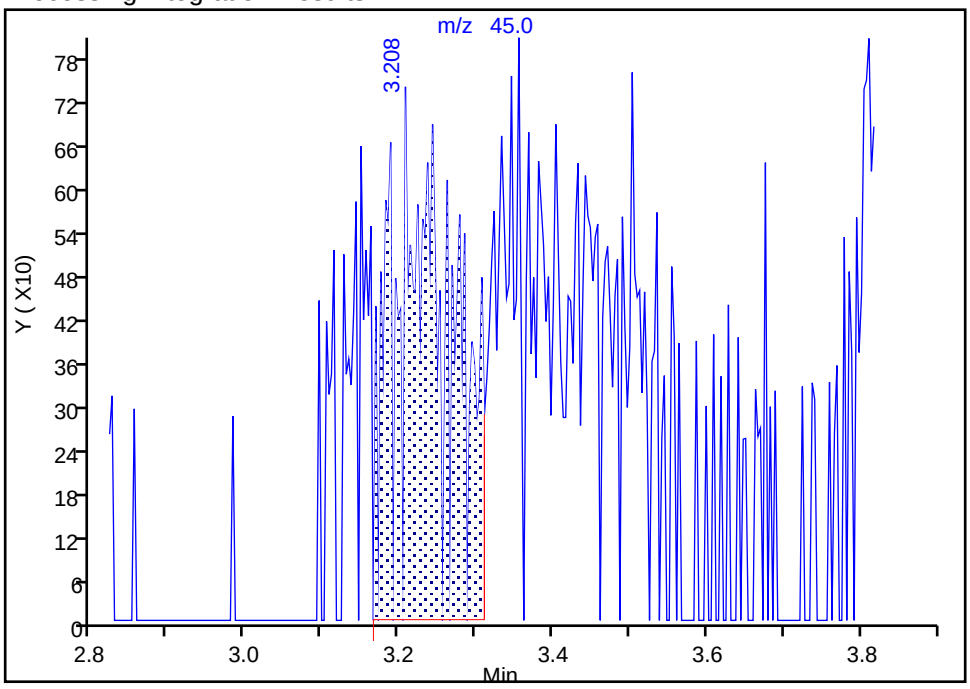
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X02.D				
Injection Date:	22-Apr-2025 17:25:30	Instrument ID:	9137		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

17 Ethanol, CAS: 64-17-5

Signal: 1

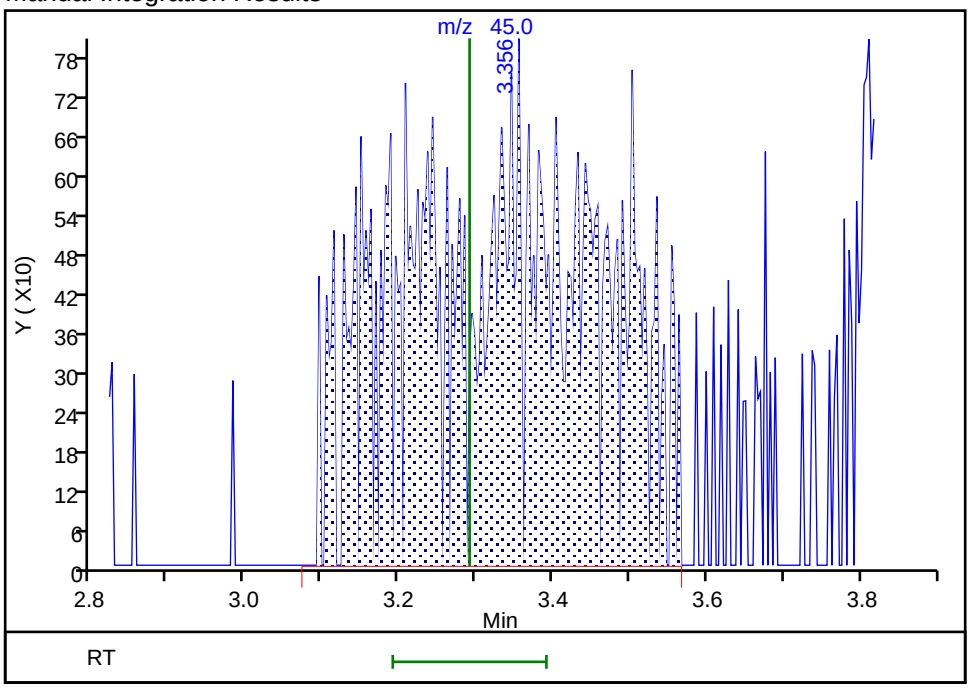
Processing Integration Results

RT: 3.21
Area: 3471
Amount: 55.073721
Amount Units: ug/l



Manual Integration Results

RT: 3.36
Area: 11201
Amount: 71.928890
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 08:41:17 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

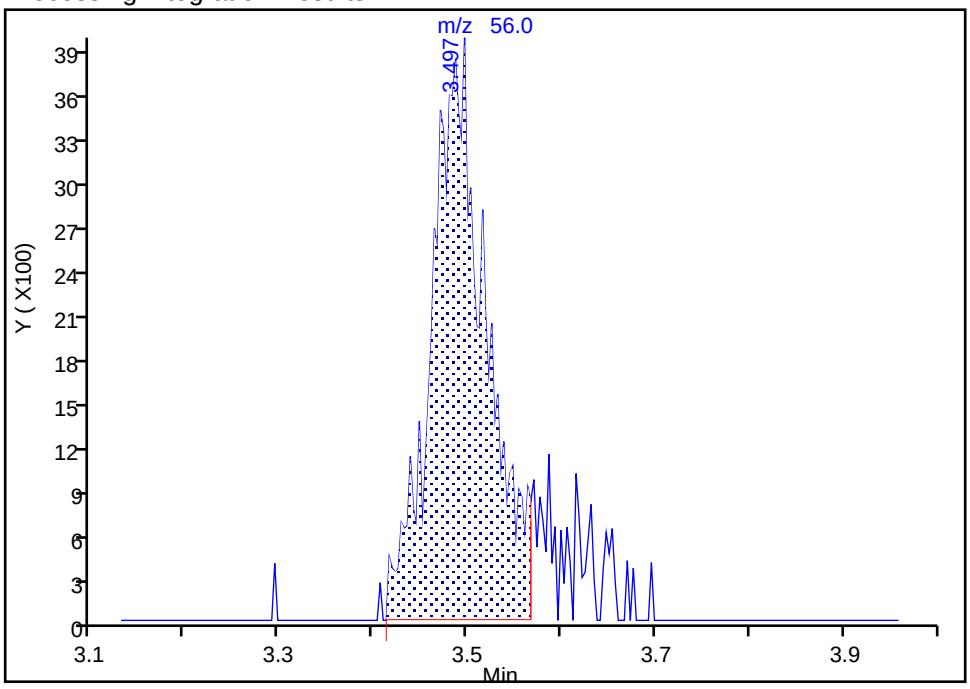
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X02.D				
Injection Date:	22-Apr-2025 17:25:30	Instrument ID:	9137		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Acrolein, CAS: 107-02-8

Signal: 1

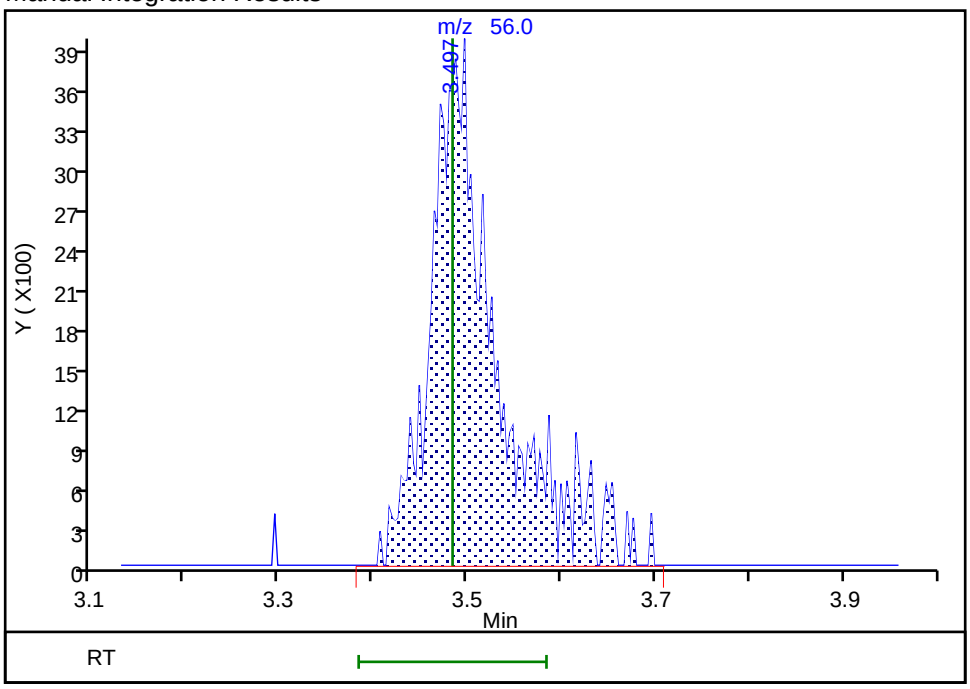
Processing Integration Results

RT: 3.50
Area: 15777
Amount: 7.990010
Amount Units: ug/l



Manual Integration Results

RT: 3.50
Area: 18699
Amount: 9.269007
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 17:19:58 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

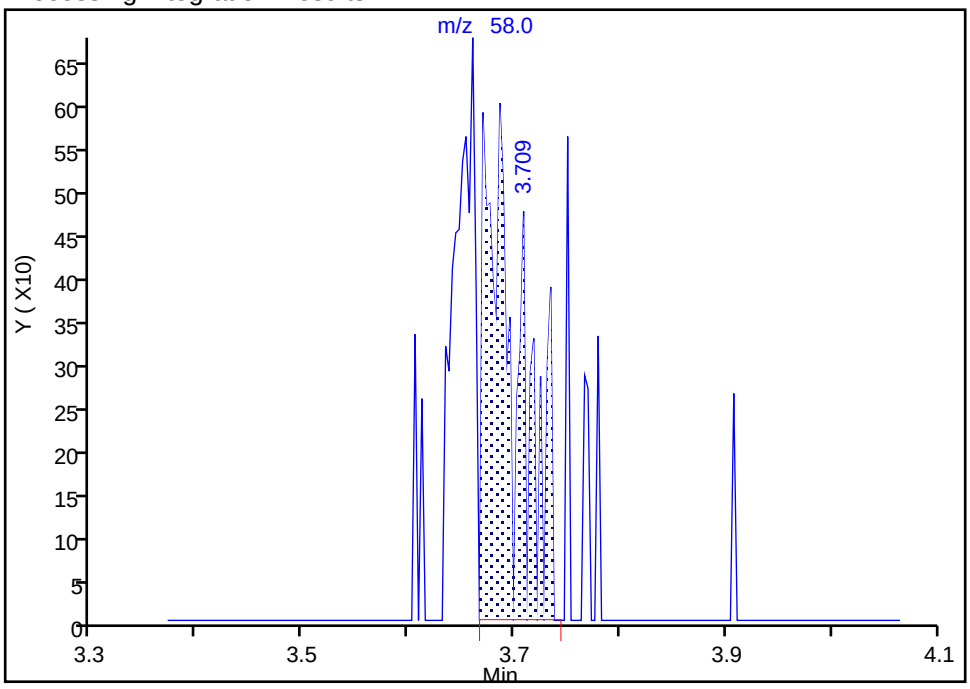
Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X02.D
Injection Date: 22-Apr-2025 17:25:30 Instrument ID: 9137
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

21 Acetone, CAS: 67-64-1

Signal: 1

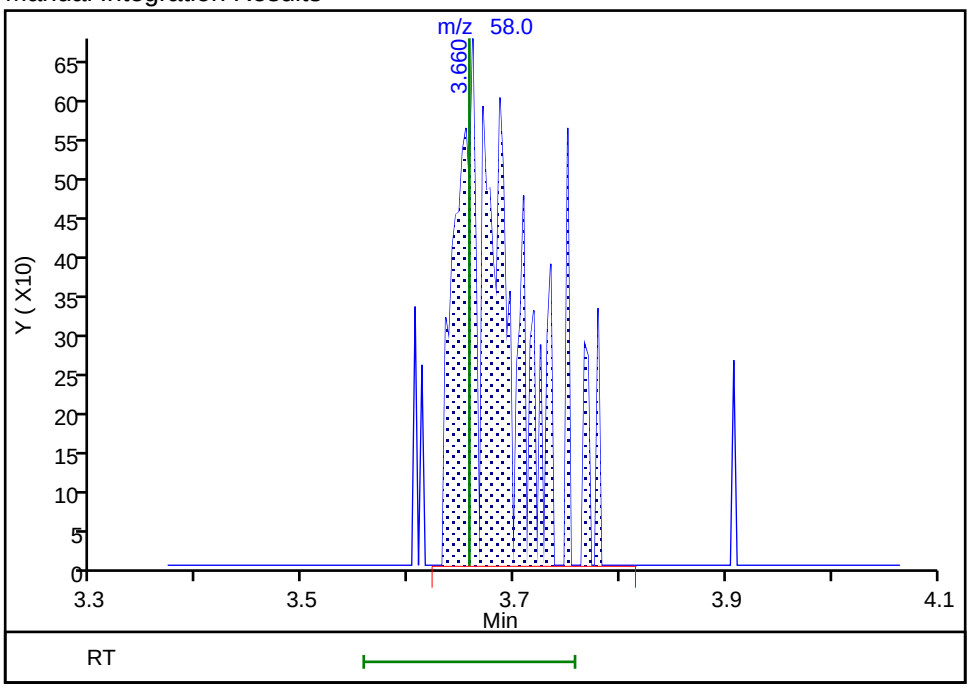
Processing Integration Results

RT: 3.71
Area: 1286
Amount: 1.163773
Amount Units: ug/l



Manual Integration Results

RT: 3.66
Area: 2442
Amount: 2.056251
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 17:20:04 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

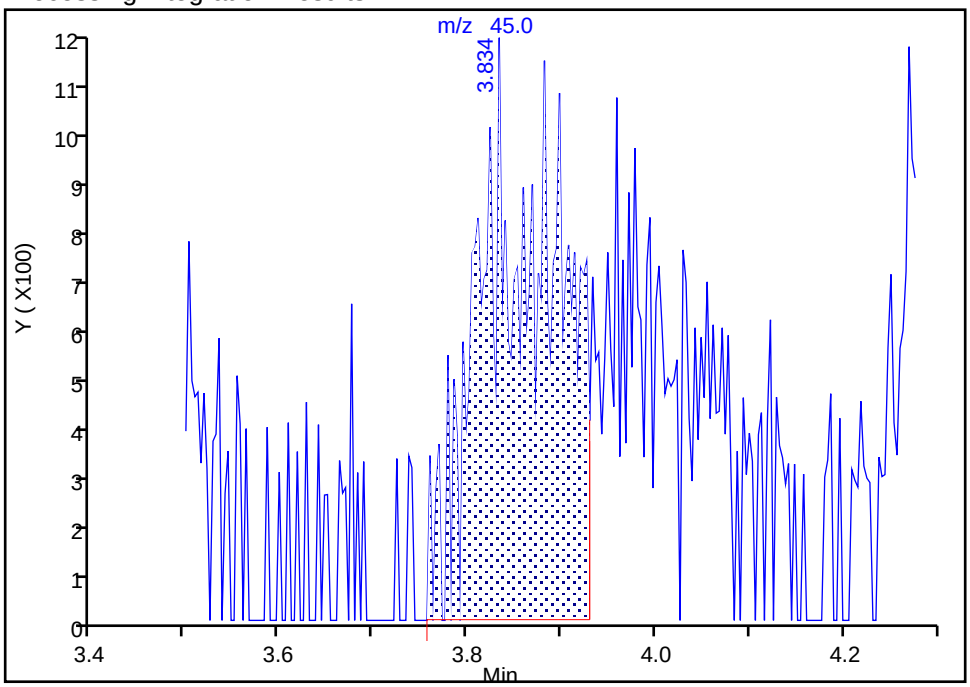
Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X02.D
Injection Date: 22-Apr-2025 17:25:30 Instrument ID: 9137
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

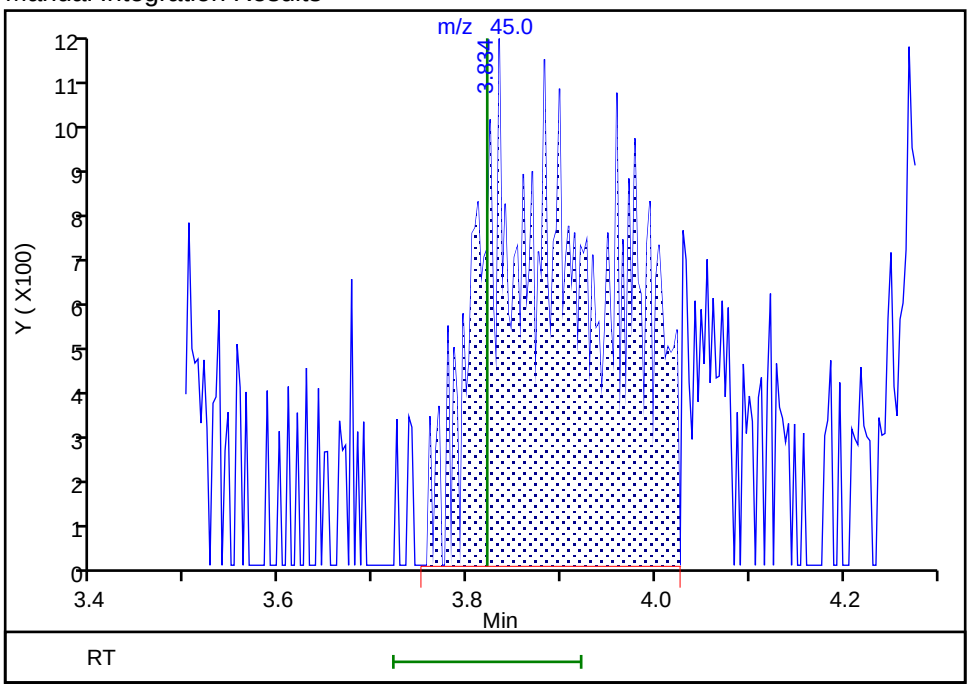
Processing Integration Results

RT: 3.83
Area: 6019
Amount: 5.072853
Amount Units: ug/l



Manual Integration Results

RT: 3.83
Area: 9254
Amount: 5.972743
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 08:38:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

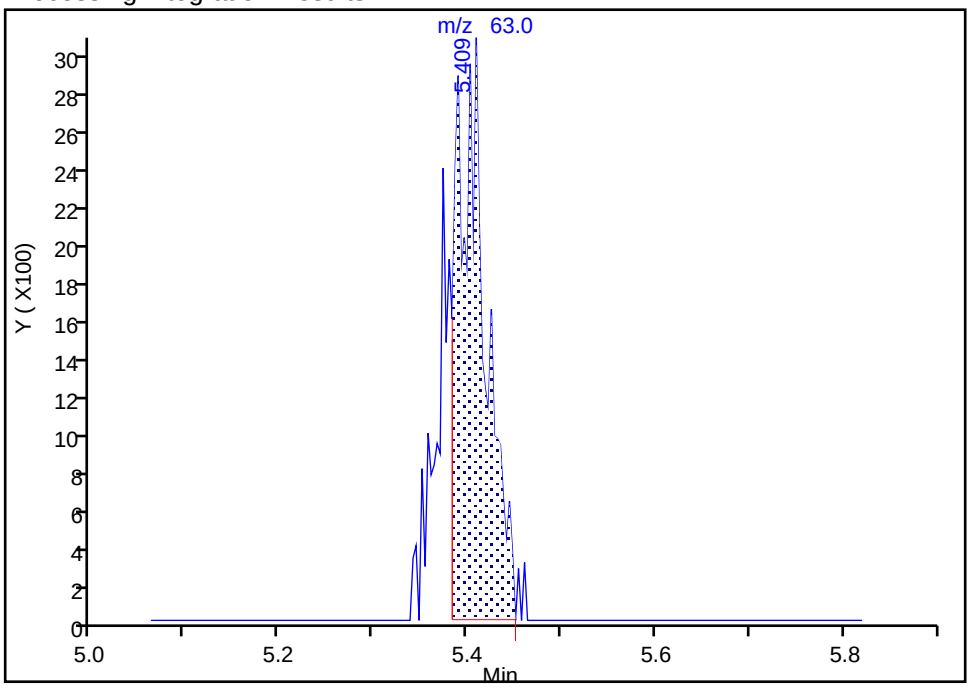
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X02.D				
Injection Date:	22-Apr-2025 17:25:30	Instrument ID:	9137		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

41 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

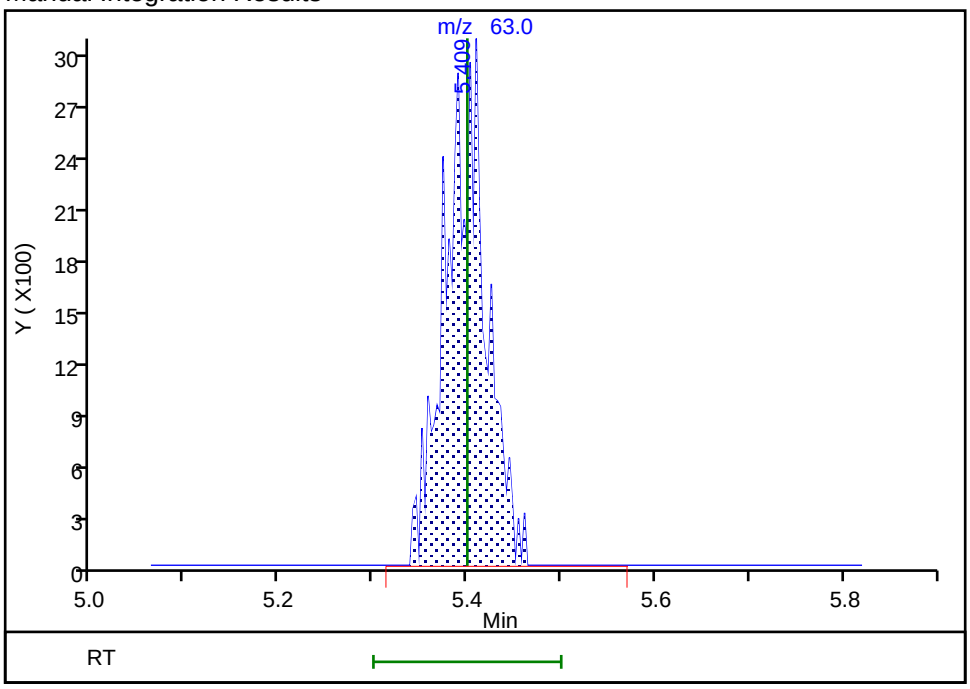
Processing Integration Results

RT: 5.41
Area: 6260
Amount: 0.676266
Amount Units: ug/l



Manual Integration Results

RT: 5.41
Area: 8660
Amount: 0.902124
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 17:20:12 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

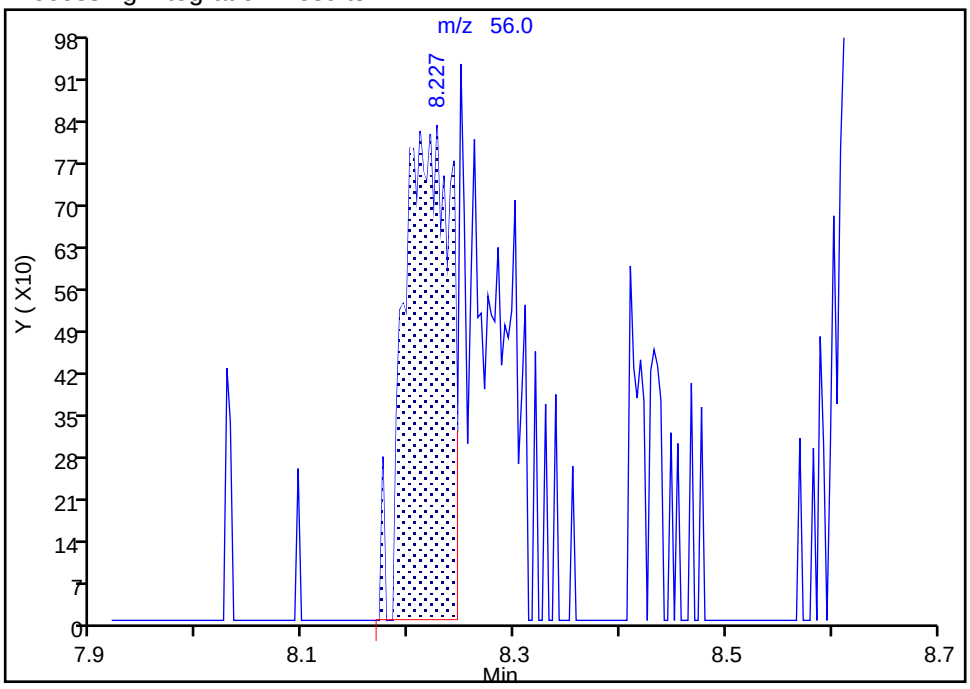
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X02.D				
Injection Date:	22-Apr-2025 17:25:30	Instrument ID:	9137		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

75 n-Butanol, CAS: 71-36-3

Signal: 1

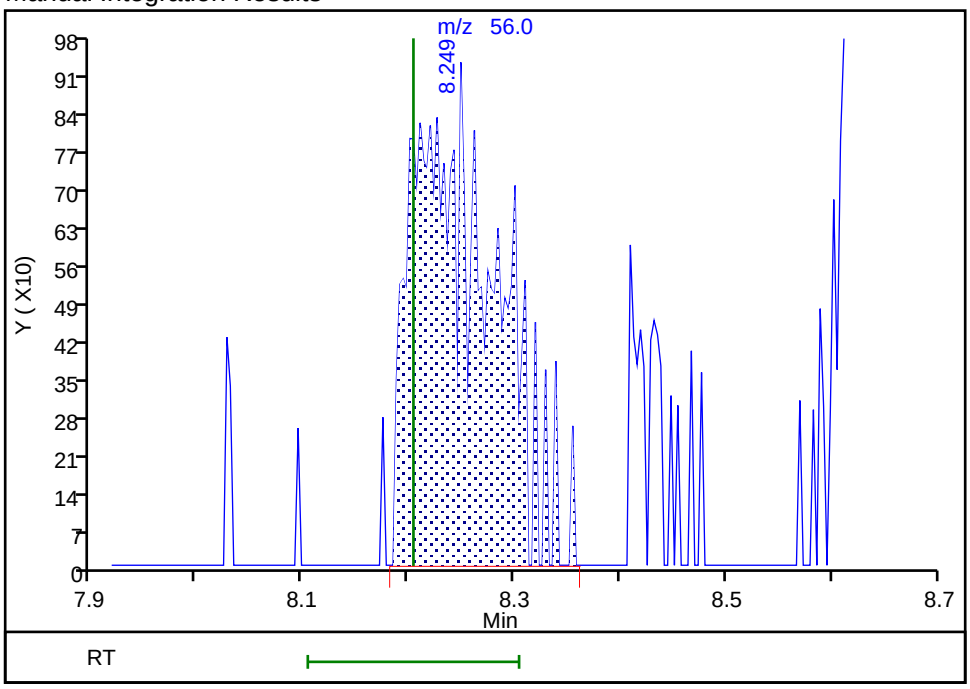
Processing Integration Results

RT: 8.23
Area: 2471
Amount: 14.474232
Amount Units: ug/l



Manual Integration Results

RT: 8.25
Area: 4749
Amount: 11.012870
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 17:20:24 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

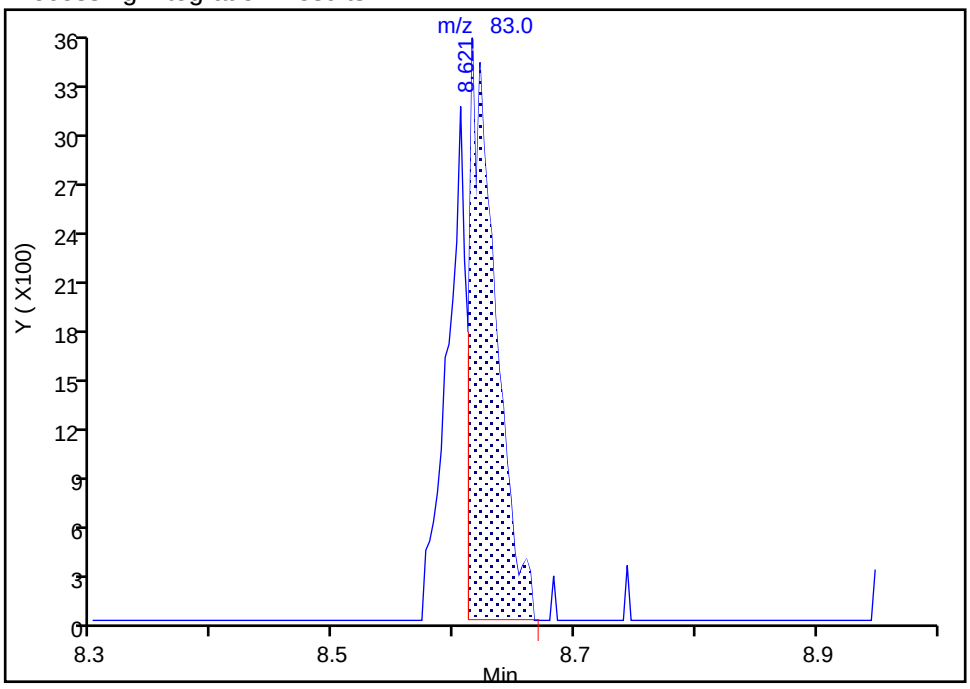
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X02.D				
Injection Date:	22-Apr-2025 17:25:30	Instrument ID:	9137		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

78 Methylcyclohexane, CAS: 108-87-2

Signal: 1

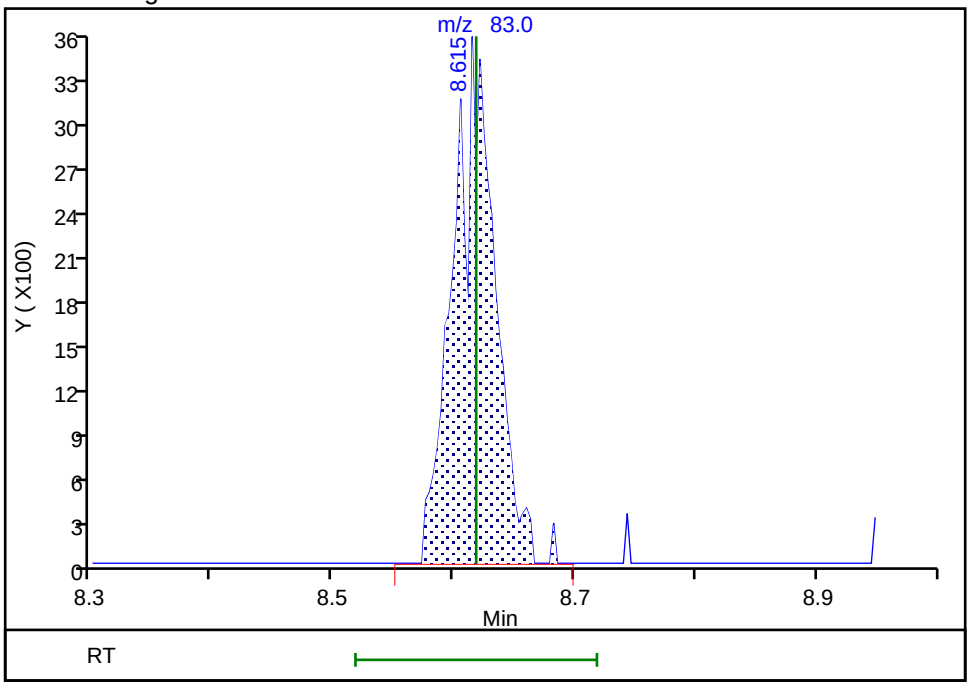
Processing Integration Results

RT: 8.62
Area: 5169
Amount: 0.995119
Amount Units: ug/l



Manual Integration Results

RT: 8.61
Area: 8302
Amount: 0.793904
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 17:20:29 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

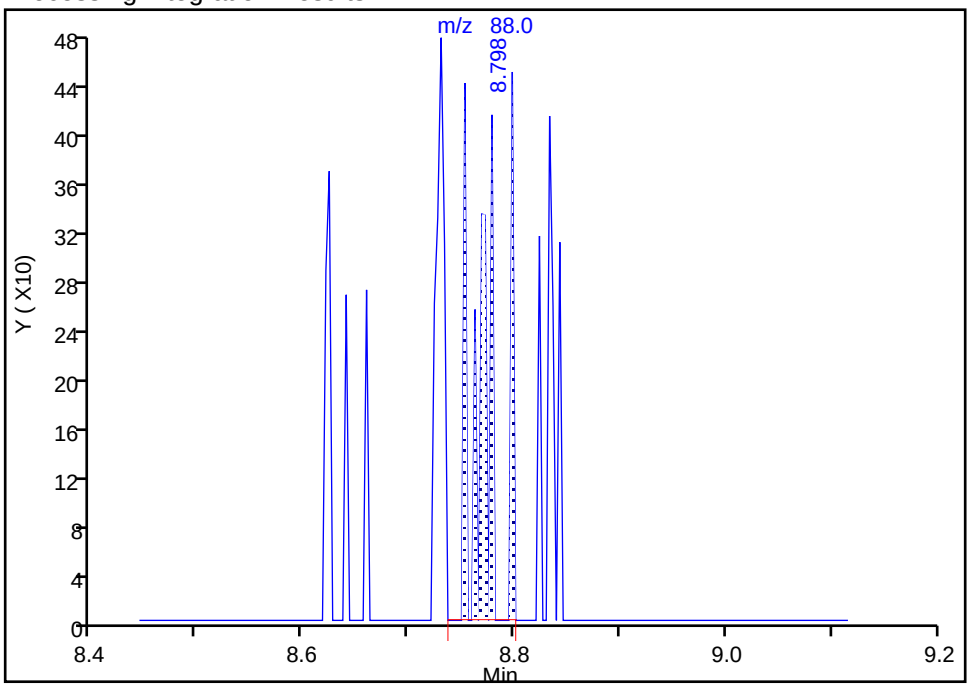
Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X02.D
Injection Date: 22-Apr-2025 17:25:30 Instrument ID: 9137
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

82 1,4-Dioxane, CAS: 123-91-1

Signal: 1

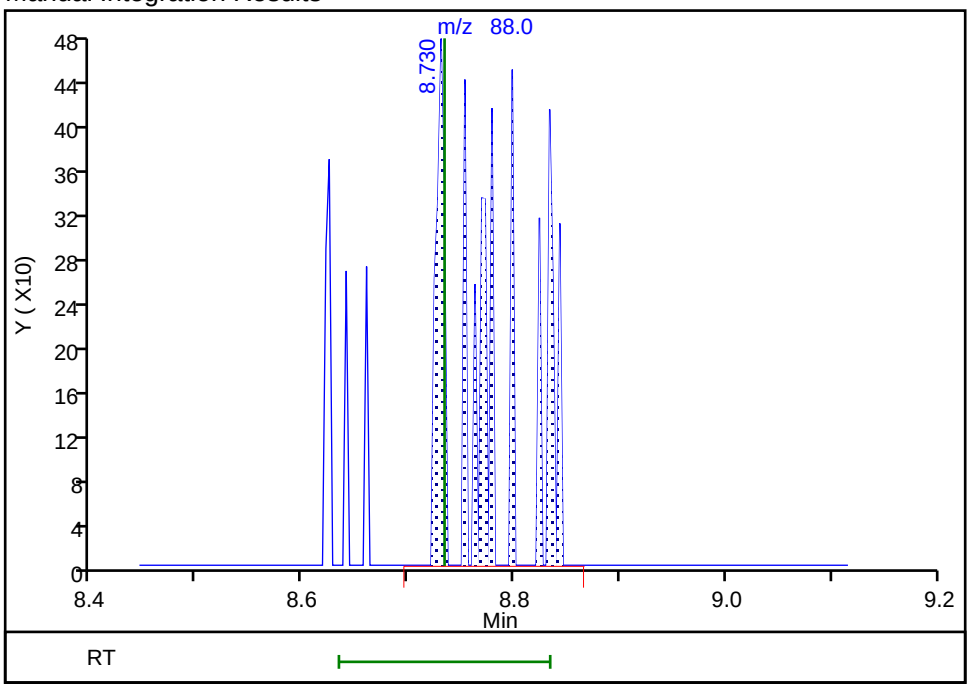
Processing Integration Results

RT: 8.80
Area: 427
Amount: 7.579289
Amount Units: ug/l



Manual Integration Results

RT: 8.73
Area: 940
Amount: 6.173715
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 08:43:12 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

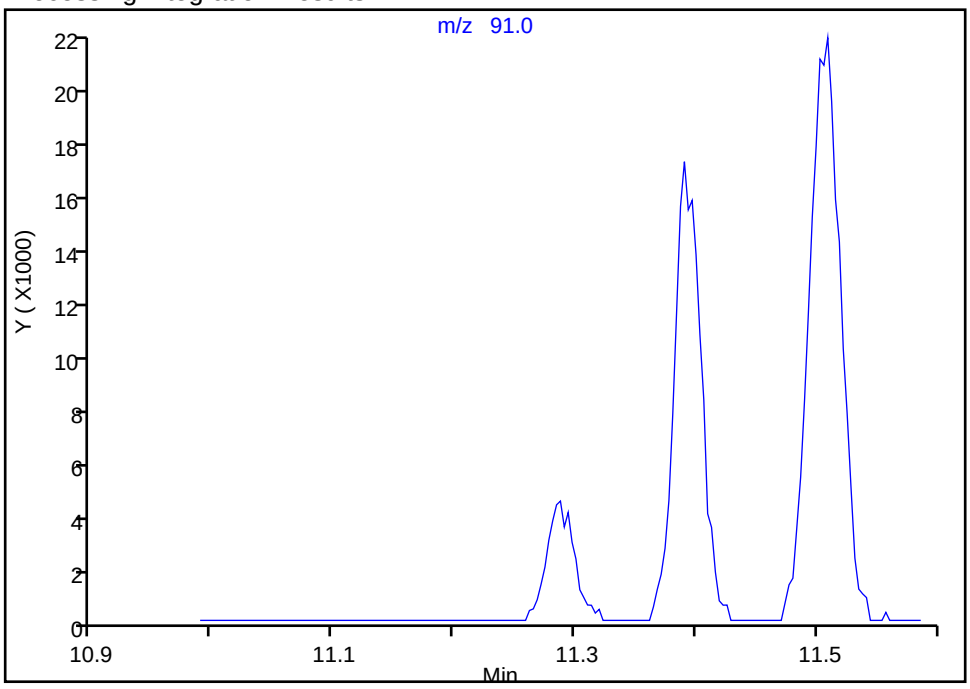
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X02.D				
Injection Date:	22-Apr-2025 17:25:30	Instrument ID:	9137		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

139 1-Chlorohexane, CAS: 544-10-5

Signal: 1

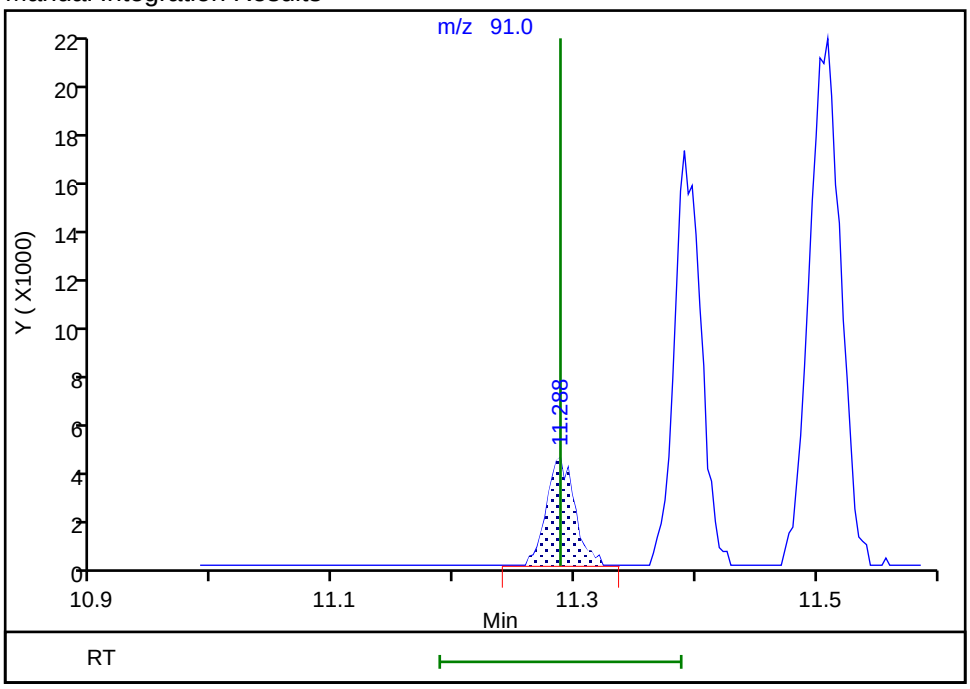
Not Detected
Expected RT: 11.29

Processing Integration Results



Manual Integration Results

RT: 11.29
Area: 6980
Amount: 0.938497
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 17:20:42 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X03.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Apr-2025 17:46:30 ALS Bottle#: 3 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141045-013
Misc. Info.: IC V4
Operator ID: knk41612 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 25-Apr-2025 08:41:44 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: DVW2 Date: 23-Apr-2025 08:38:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	1.982	1.989	-0.007	96	48007	4.00	4.46	
7 Chloromethane	50	2.187	2.191	-0.004	99	48393	4.00	4.32	
9 Vinyl chloride	62	2.306	2.309	-0.003	98	47820	4.00	4.40	
8 Butadiene	39	2.309	2.316	-0.007	56	50420	4.00	4.57	M
12 Bromomethane	94	2.672	2.669	0.003	90	33208	4.00	4.26	
13 Chloroethane	64	2.726	2.733	-0.007	89	23859	4.00	4.25	
14 Dichlorofluoromethane	67	3.012	3.012	0.000	97	71601	4.00	4.21	
15 Trichlorofluoromethane	101	3.060	3.064	-0.004	97	56874	4.00	4.37	
28 Pentane	43	3.079	3.089	-0.010	97	44205	4.00	4.32	
17 Ethanol	45	3.317	3.291	0.026	24	37728	250.0	252.2	M
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.400	3.394	0.006	91	33785	4.00	4.47	
19 Acrolein	56	3.484	3.484	0.000	100	66168	39.0	34.1	
20 1,1-Dichloroethene	96	3.622	3.632	-0.010	93	23854	4.00	4.18	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.670	3.654	0.016	90	29996	4.00	4.12	
21 Acetone	58	3.651	3.657	-0.006	77	9435	8.00	8.27	
24 Isopropyl alcohol	45	3.840	3.821	0.019	25	32945	20.0	22.1	M
23 Iodomethane	142	3.830	3.837	-0.007	97	46647	4.00	4.01	
25 Carbon disulfide	76	3.949	3.956	-0.007	98	89816	4.00	4.04	
27 Methyl acetate	43	4.100	4.081	0.019	73	30173	4.00	4.17	
30 3-Chloro-1-propene	41	4.110	4.116	-0.006	86	31155	4.00	3.97	
33 Methylene Chloride	84	4.312	4.315	-0.003	91	25656	4.00	4.08	
* 34 t-Butyl alcohol-d10 (IS)	65	4.382	4.357	0.025	85	446482	250.0	250.0	
35 2-Methyl-2-propanol	59	4.491	4.463	0.028	40	35555	20.0	18.8	M
36 Acrylonitrile	53	4.665	4.665	0.000	92	35110	10.0	9.59	
37 Methyl tert-butyl ether	73	4.719	4.716	0.003	88	74031	4.00	3.82	
38 trans-1,2-Dichloroethene	96	4.726	4.726	0.000	97	22884	4.00	4.17	
39 Hexane	57	5.168	5.159	0.009	90	27606	4.00	3.97	
41 1,1-Dichloroethane	63	5.387	5.400	-0.013	96	38350	4.00	4.10	
42 Isopropyl ether	45	5.448	5.454	-0.006	96	67172	4.00	3.86	
43 2-Chloro-1,3-butadiene	53	5.512	5.506	0.006	87	32632	4.00	4.07	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Tert-butyl ethyl ether	59	6.003	5.993	0.010	98	69122	4.00	3.81	
S 45 1,2-Dichloroethene, Total	100				0			8.20	
46 2-Butanone (MEK)	43	6.199	6.199	-0.001	95	36688	8.00	7.48	
47 cis-1,2-Dichloroethene	96	6.237	6.234	0.003	81	25048	4.00	4.03	
49 2,2-Dichloropropane	77	6.263	6.256	0.007	91	38451	4.00	3.99	
50 Propionitrile	54	6.317	6.314	0.003	64	30860	20.0	18.8	
51 Methyl acrylate	55	6.324	6.324	0.000	97	33465	4.00	3.87	
53 Methacrylonitrile	67	6.510	6.510	0.000	85	31546	10.0	9.17	
54 Chlorobromomethane	128	6.568	6.568	0.000	91	12399	4.00	3.98	
55 Tetrahydrofuran	71	6.574	6.577	-0.003	87	25619	20.0	18.2	
56 Chloroform	83	6.718	6.722	-0.004	93	38445	4.00	4.16	
$ 57 Dibromofluoromethane (Surr)	113	6.933	6.937	-0.004	93	277713	50.0	51.0	
58 1,1,1-Trichloroethane	97	6.946	6.946	0.000	94	39928	4.00	4.07	
59 Cyclohexane	56	7.046	7.043	0.003	89	44518	4.00	4.00	
61 Carbon tetrachloride	117	7.164	7.158	0.006	88	33215	4.00	3.99	
62 1,1-Dichloropropene	75	7.168	7.158	0.010	97	32929	4.00	4.10	
64 Isobutyl alcohol	41	7.363	7.341	0.022	38	26665	50.0	48.6	
$ 65 1,2-Dichloroethane-d4 (Surr)	102	7.392	7.389	0.003	74	70421	50.0	51.0	
66 Benzene	78	7.431	7.424	0.007	93	94277	4.00	4.00	
69 1,2-Dichloroethane	62	7.495	7.498	-0.003	96	27086	4.00	3.83	
70 Tert-amyl methyl ether	73	7.626	7.620	0.006	97	64792	4.00	3.71	
* 73 Fluorobenzene (IS)	96	7.829	7.829	0.000	99	1162836	50.0	50.0	
74 n-Heptane	43	7.845	7.835	0.010	83	23911	4.00	4.01	
75 n-Butanol	56	8.227	8.204	0.023	66	17813	50.0	43.0	
76 Trichloroethene	95	8.307	8.310	-0.003	97	23836	4.00	4.04	
77 Ethyl acrylate	55	8.425	8.426	-0.001	98	32295	4.00	3.79	
78 Methylcyclohexane	83	8.618	8.618	0.000	88	40820	4.00	4.00	
80 1,2-Dichloropropane	63	8.647	8.647	0.000	76	22510	4.00	3.92	
79 2-ethoxy-2-methyl butane	87	8.647	8.647	0.000	92	29807	4.00	3.69	
81 Methyl methacrylate	69	8.724	8.724	0.000	84	17895	4.00	3.65	
82 1,4-Dioxane	88	8.766	8.734	0.032	36	7463	50.0	51.0	M
83 Dibromomethane	93	8.753	8.756	-0.003	95	14570	4.00	3.94	
85 Dichlorobromomethane	83	8.987	8.987	0.000	98	25165	4.00	3.77	
86 2-Nitropropane	41	9.269	9.266	0.003	98	37388	20.0	18.2	
88 2-Chloroethyl vinyl ether	63	9.350	9.350	0.000	90	14057	4.00	3.68	
91 cis-1,3-Dichloropropene	75	9.533	9.530	0.003	95	29376	4.00	3.63	
92 4-Methyl-2-pentanone (MIBK)	43	9.709	9.706	0.003	96	66299	8.00	6.92	
$ 94 Toluene-d8 (Surr)	98	9.834	9.837	-0.003	93	1108449	50.0	51.2	
99 Toluene	92	9.908	9.911	-0.003	98	56935	4.00	4.08	
S 120 1,3-Dichloropropene, Total	100				0			7.25	
124 trans-1,3-Dichloropropene	75	10.168	10.168	0.000	91	25615	4.00	3.62	
126 Ethyl methacrylate	69	10.226	10.223	0.003	89	29714	4.00	3.57	
128 1,1,2-Trichloroethane	97	10.370	10.367	0.003	89	20167	4.00	4.01	
129 Tetrachloroethene	166	10.450	10.450	0.000	97	25300	4.00	4.28	
131 1,3-Dichloropropane	76	10.531	10.534	-0.003	89	32223	4.00	3.94	
133 2-Hexanone	43	10.585	10.582	0.003	97	44485	8.00	7.06	
135 Chlorodibromomethane	129	10.742	10.742	0.000	89	20520	4.00	3.84	
136 Ethylene Dibromide	107	10.851	10.852	-0.001	99	20581	4.00	3.93	
S 137 Xylenes, Total	106				0			12.0	
* 138 Chlorobenzene-d5 (IS)	117	11.281	11.281	0.000	85	836379	50.0	50.0	
139 1-Chlorohexane	91	11.288	11.288	0.000	93	29591	4.00	4.10	
140 Chlorobenzene	112	11.310	11.307	0.003	95	60723	4.00	4.02	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
141 1,1,1,2-Tetrachloroethane	131	11.387	11.387	0.000	45	23772	4.00	3.99	
142 Ethylbenzene	91	11.394	11.394	0.000	98	114639	4.00	4.05	
143 m-Xylene & p-Xylene	106	11.509	11.509	0.000	100	88041	8.00	8.08	
144 n-Butyl acrylate	55	11.785	11.782	0.003	97	42794	4.00	3.76	
145 o-Xylene	106	11.837	11.837	0.000	96	45435	4.00	3.96	
146 Styrene	104	11.849	11.853	-0.004	94	62845	4.00	3.74	
147 Bromoform	173	12.010	12.007	0.003	96	14440	4.00	3.51	
148 Isopropylbenzene	105	12.135	12.135	0.000	96	100609	4.00	3.78	
150 Cyclohexanone	55	12.222	12.219	0.003	91	95448	200.0	194.4	
$ 151 4-Bromofluorobenzene (Surr)	95	12.279	12.279	0.000	89	411482	50.0	49.7	
152 1,1,2,2-Tetrachloroethane	83	12.382	12.379	0.003	95	39565	4.00	3.73	
153 Bromobenzene	156	12.398	12.395	0.003	96	25497	4.00	3.67	
154 trans-1,4-Dichloro-2-butene	53	12.408	12.408	0.000	83	23850	10.0	8.79	
155 1,2,3-Trichloropropane	110	12.427	12.427	0.000	84	12586	4.00	3.82	
156 N-Propylbenzene	91	12.462	12.462	0.000	98	132397	4.00	3.84	
157 2-Chlorotoluene	126	12.539	12.539	0.000	97	26604	4.00	3.71	
158 1,3,5-Trimethylbenzene	105	12.600	12.597	0.003	93	91072	4.00	3.64	
159 4-Chlorotoluene	126	12.636	12.633	0.003	97	25471	4.00	3.68	
160 tert-Butylbenzene	134	12.841	12.838	0.003	93	16566	4.00	3.55	
162 1,2,4-Trimethylbenzene	105	12.883	12.883	0.000	97	94864	4.00	3.66	
163 sec-Butylbenzene	105	13.005	13.005	0.000	93	112198	4.00	3.70	
164 1,3-Dichlorobenzene	146	13.104	13.104	0.000	75	50287	4.00	3.79	
165 4-Isopropyltoluene	119	13.110	13.111	-0.001	97	97900	4.00	3.72	
* 166 1,4-Dichlorobenzene-d4	152	13.159	13.159	0.000	95	498734	50.0	50.0	
168 1,4-Dichlorobenzene	146	13.178	13.178	0.000	91	53027	4.00	3.87	
169 1,2,3-Trimethylbenzene	105	13.184	13.188	-0.004	97	102653	4.00	3.73	
170 Benzyl chloride	91	13.255	13.255	0.000	98	64649	4.00	3.40	
171 1,3-Diethylbenzene	119	13.309	13.310	-0.001	94	54579	4.00	3.58	
172 p-Diethylbenzene	119	13.383	13.380	0.003	93	62081	4.00	3.87	
173 n-Butylbenzene	92	13.403	13.403	-0.001	97	48916	4.00	3.82	
174 1,2-Dichlorobenzene	146	13.438	13.438	0.000	98	57180	4.00	3.94	
175 o-diethylbenzene	119	13.457	13.454	0.003	94	48620	4.00	3.69	
177 1,2-Dibromo-3-Chloropropane	75	13.983	13.980	0.003	84	11286	4.00	3.57	
178 1,3,5-Trichlorobenzene	180	14.105	14.105	0.000	97	39384	4.00	3.95	
179 1,2,4-Trichlorobenzene	180	14.532	14.529	0.003	95	37244	4.00	3.69	
180 2-Ethylhexyl acrylate	55	14.583	14.584	-0.001	82	25840	4.00	5.26	
181 Hexachlorobutadiene	225	14.612	14.612	0.000	95	12717	4.00	3.74	
182 Naphthalene	128	14.712	14.712	0.000	96	153941	4.00	3.61	
183 1,2,3-Trichlorobenzene	180	14.859	14.856	0.003	96	38421	4.00	3.71	
184 2-Methylnaphthalene	142	15.498	15.495	0.003	92	61031	4.00	3.18	
S 210 Total Diethylbenzene	1				0			11.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00232	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added:	32.00	Units: uL	
MSV_CCV_VOC#3_00233	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00224	Amount Added:	4.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	20.00	Units: uL	
MSV_CCV_GASES_01048	Amount Added:	2.00	Units: uL	
MSV_CCV_OH_Sp_00021	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 25-Apr-2025 08:41:44 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X03.D

Injection Date: 22-Apr-2025 17:46:30 Instrument ID: 9137 Operator ID: knk41612

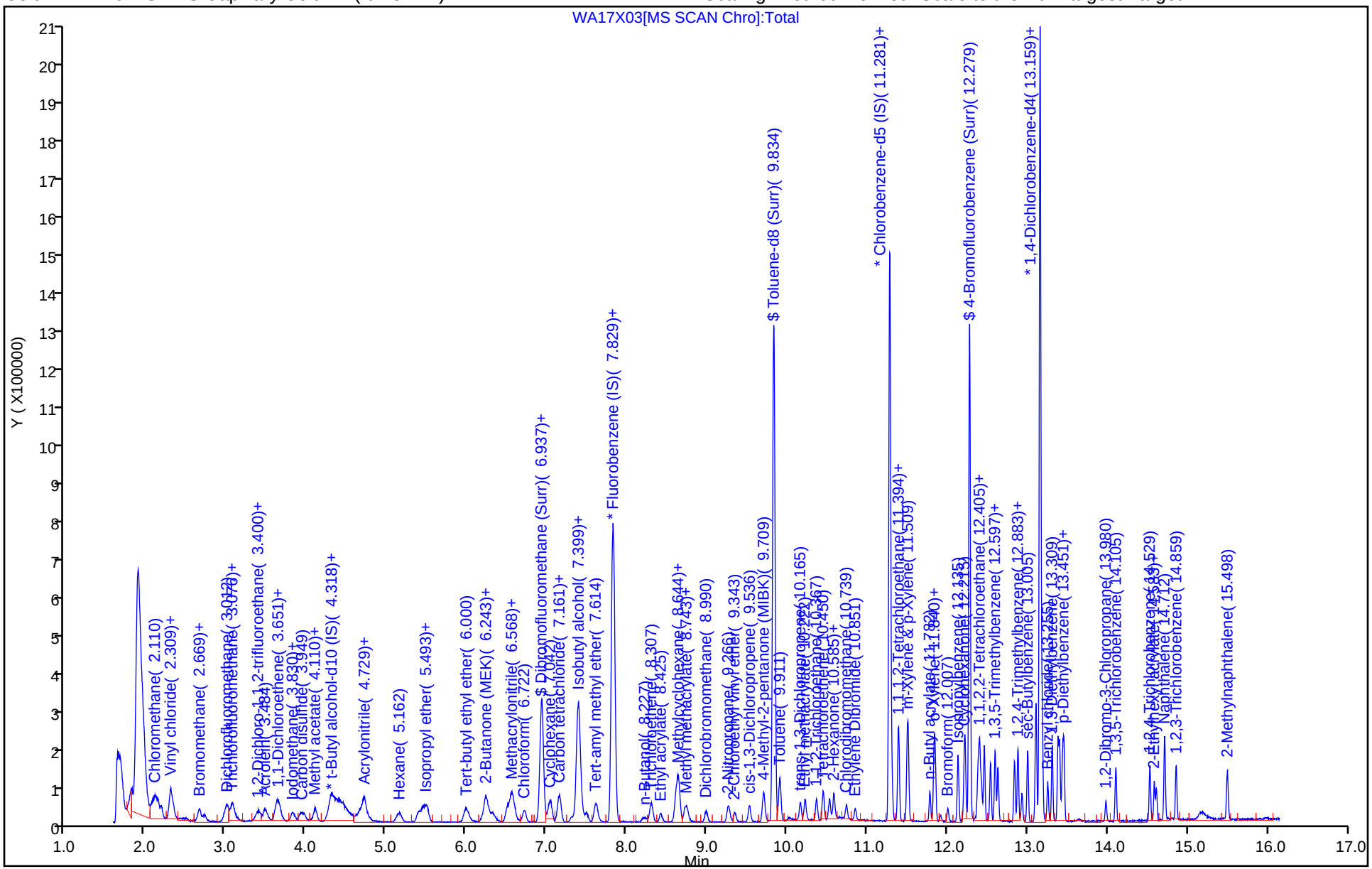
Lims ID: IC v4 Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSVoa_9137 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

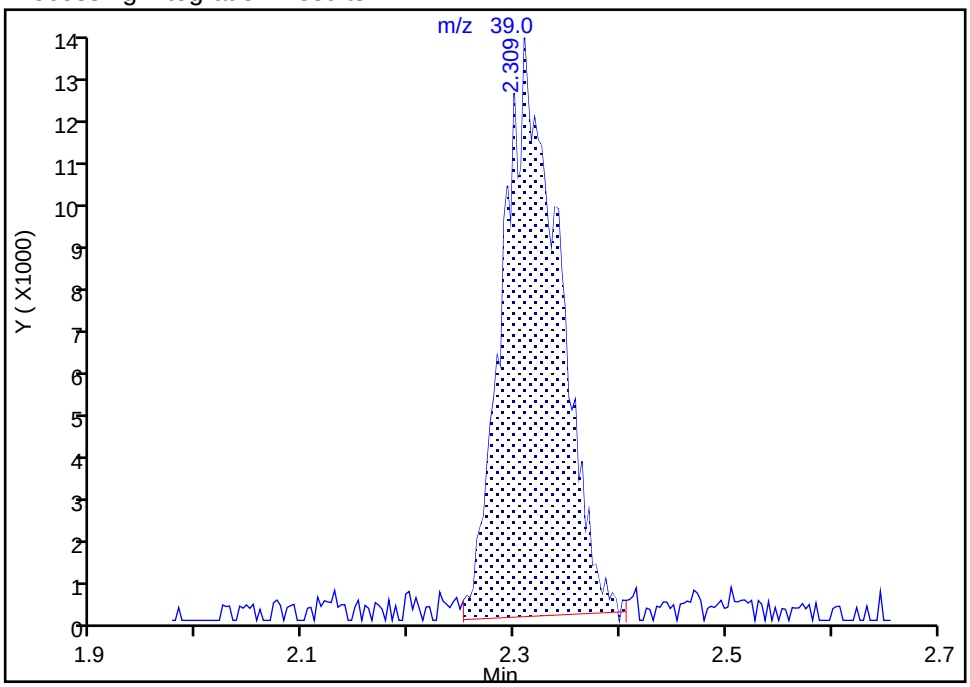
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X03.D				
Injection Date:	22-Apr-2025 17:46:30	Instrument ID:	9137		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

8 Butadiene, CAS: 106-99-0

Signal: 1

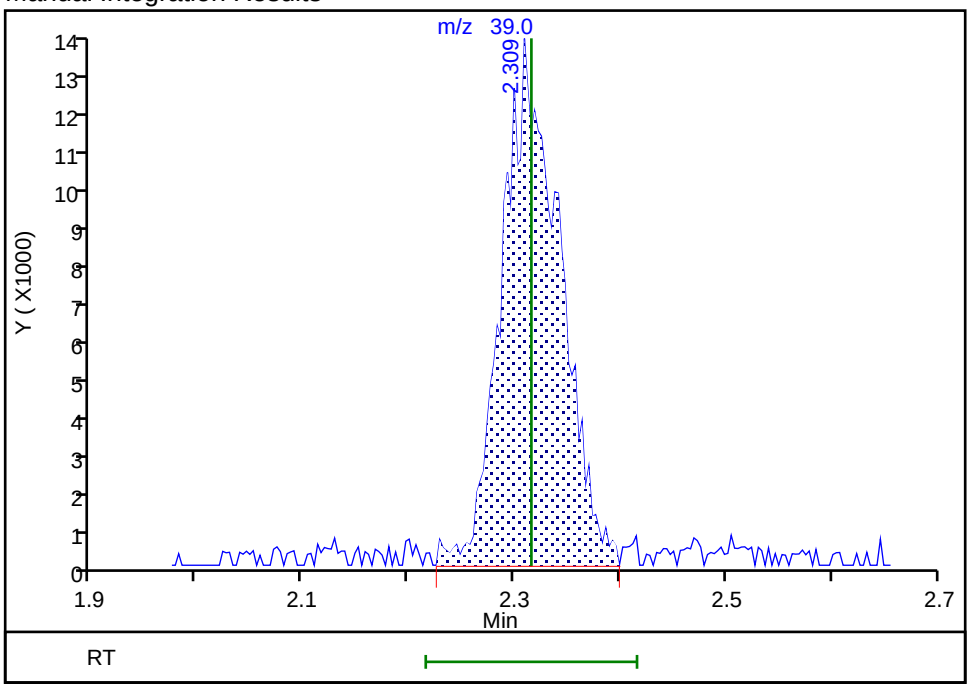
Processing Integration Results

RT: 2.31
Area: 48986
Amount: 4.463023
Amount Units: ug/l



Manual Integration Results

RT: 2.31
Area: 50420
Amount: 4.572337
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 17:18:50 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

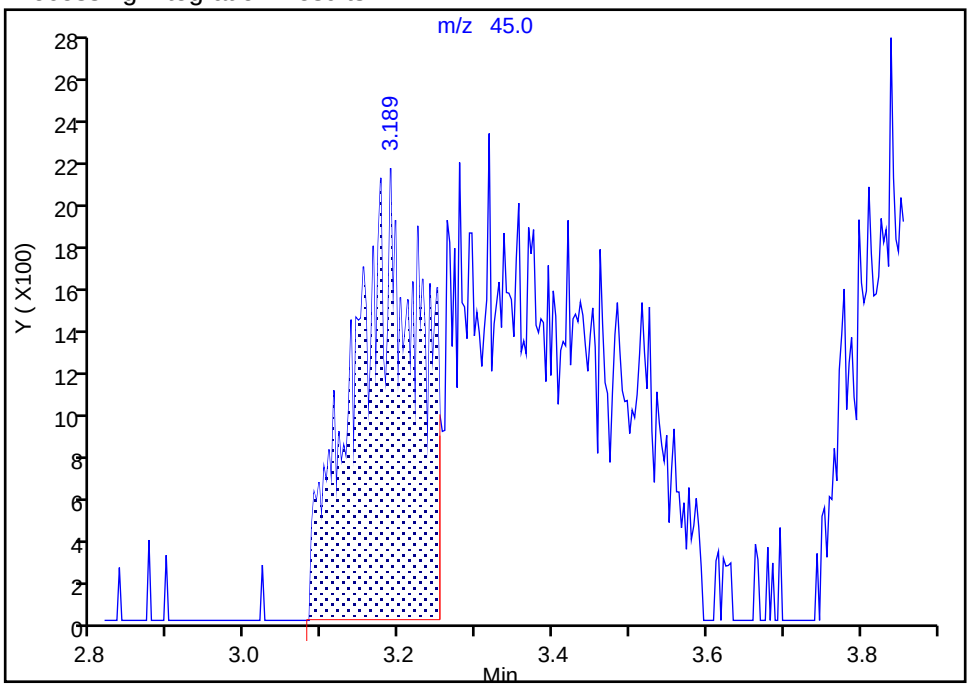
Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X03.D
Injection Date: 22-Apr-2025 17:46:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

17 Ethanol, CAS: 64-17-5

Signal: 1

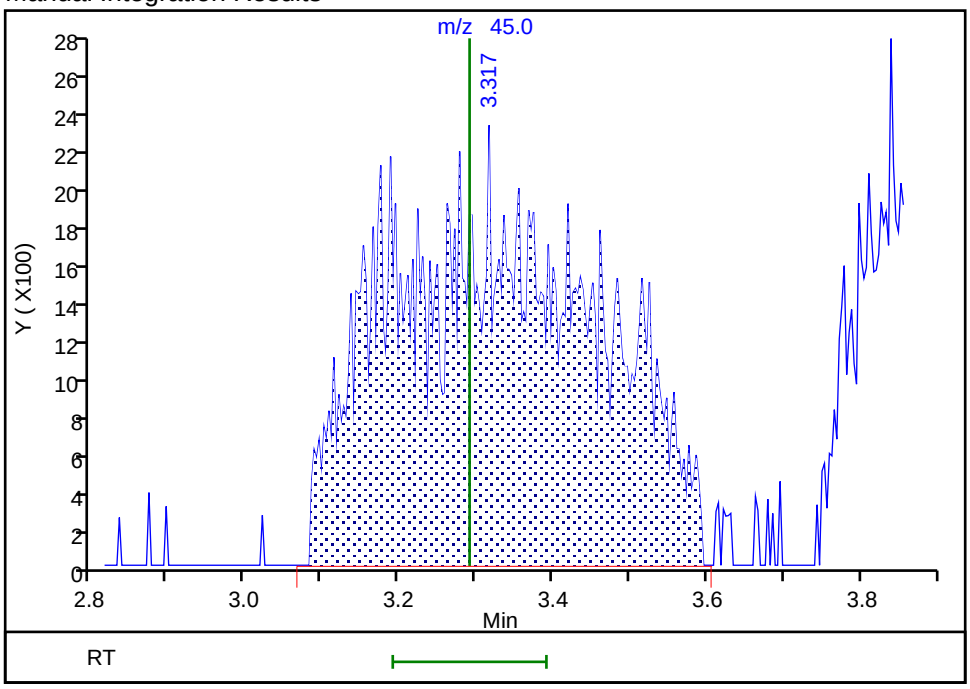
RT: 3.19
Area: 12243
Amount: 103.7079
Amount Units: ug/l

Processing Integration Results



RT: 3.32
Area: 37728
Amount: 252.2127
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 23-Apr-2025 08:41:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

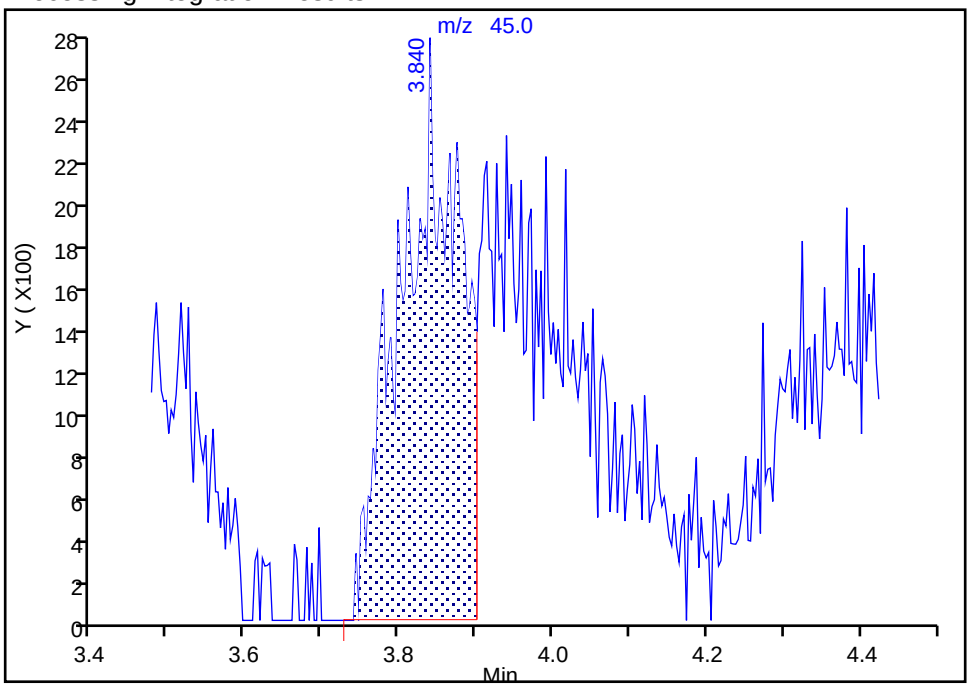
Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X03.D
Injection Date: 22-Apr-2025 17:46:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

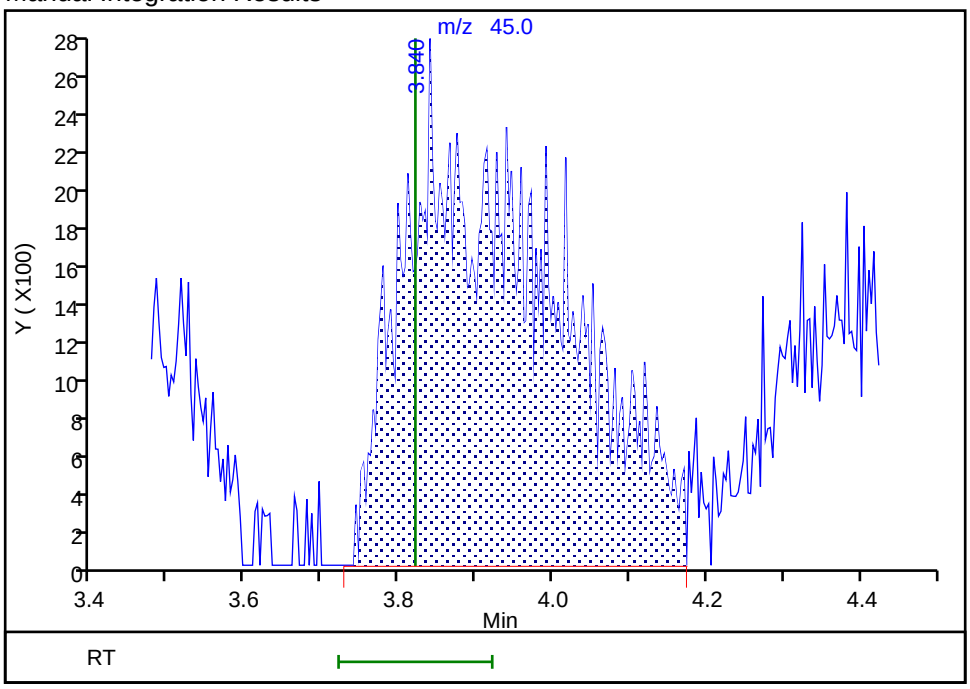
Processing Integration Results

RT: 3.84
Area: 14130
Amount: 11.501340
Amount Units: ug/l



Manual Integration Results

RT: 3.84
Area: 32945
Amount: 22.135556
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 17:19:00 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

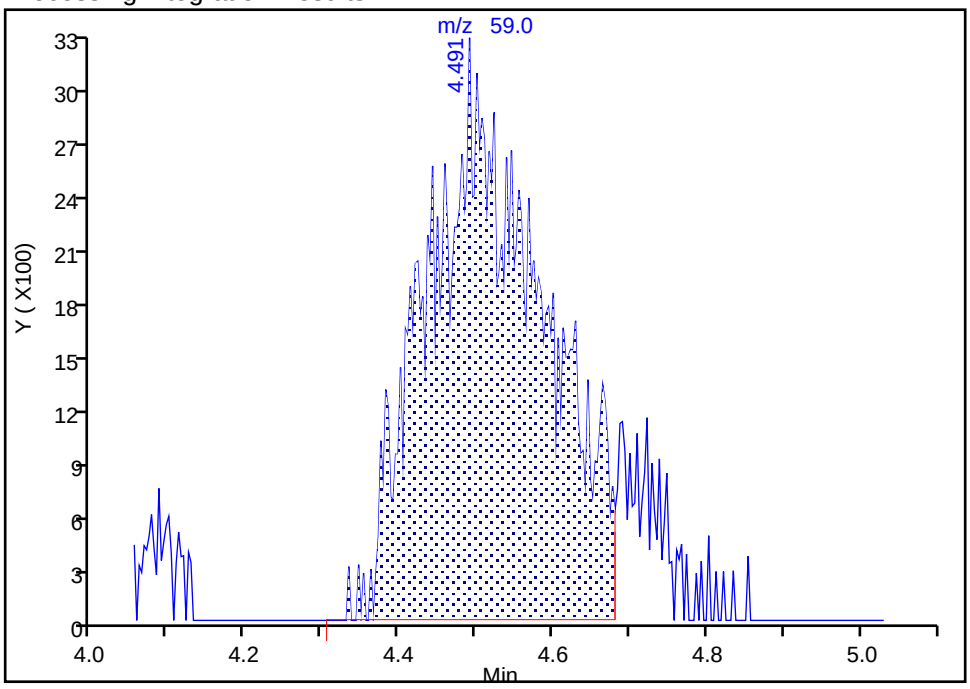
Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X03.D
Injection Date: 22-Apr-2025 17:46:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

35 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

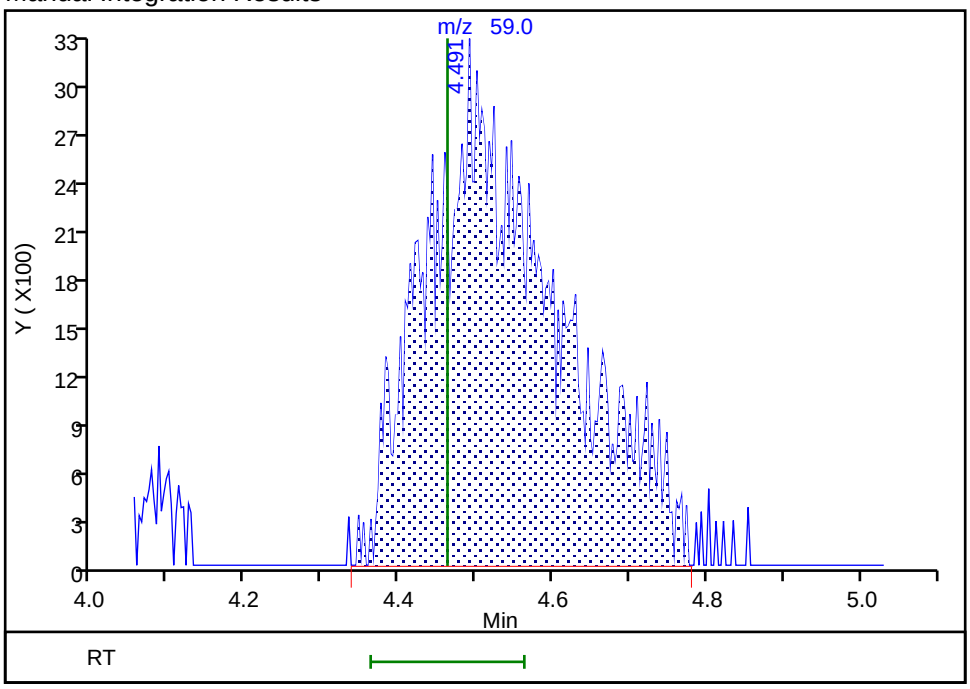
Processing Integration Results

RT: 4.49
Area: 32162
Amount: 18.288588
Amount Units: ug/l



Manual Integration Results

RT: 4.49
Area: 35555
Amount: 18.802211
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 08:41:36 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

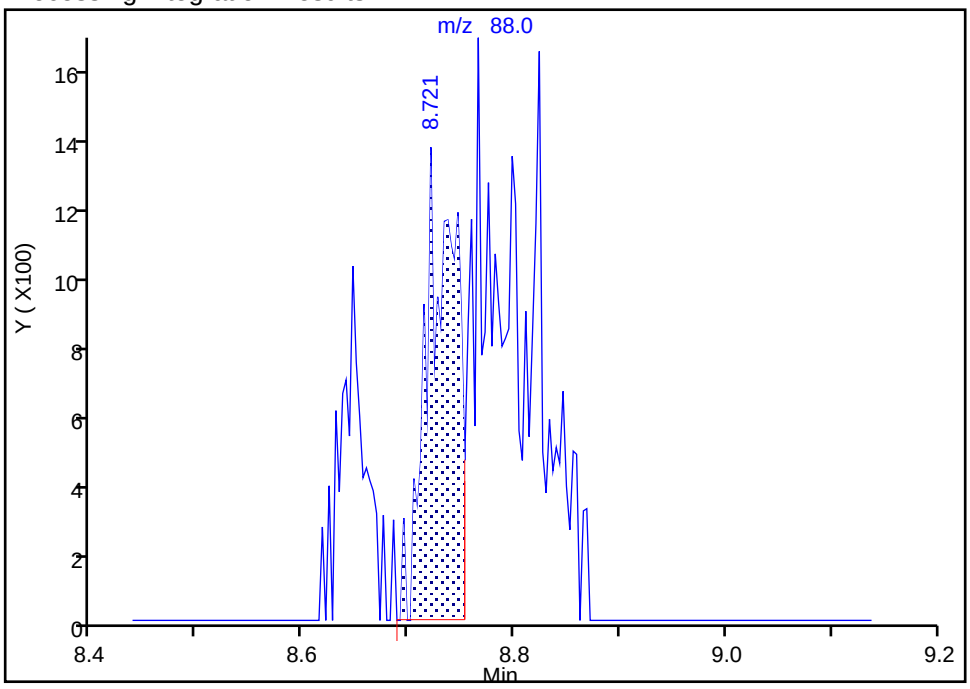
Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X03.D
Injection Date: 22-Apr-2025 17:46:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

82 1,4-Dioxane, CAS: 123-91-1

Signal: 1

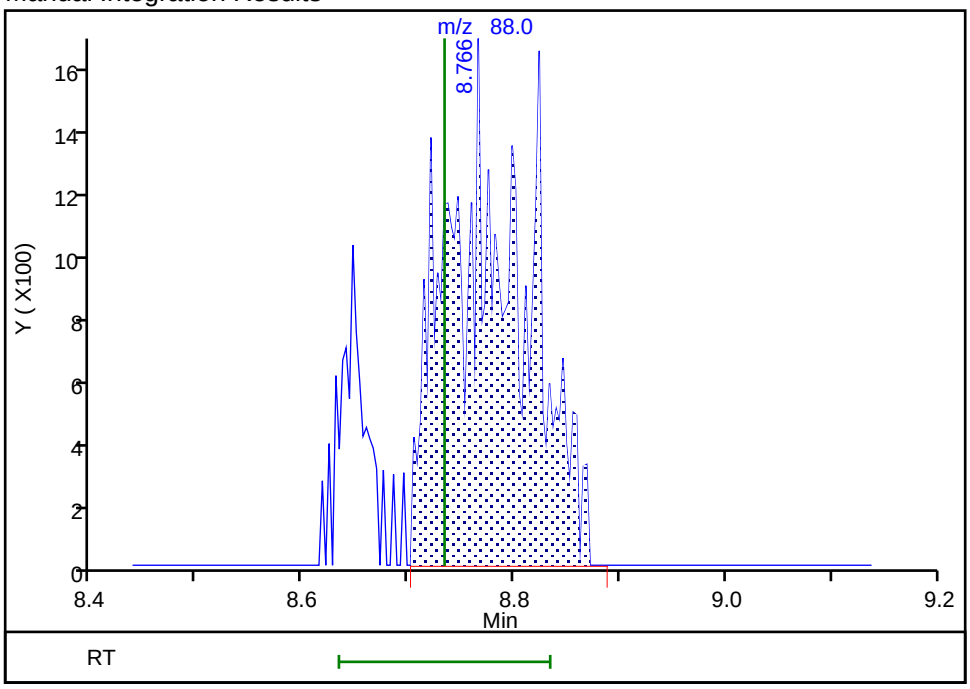
Processing Integration Results

RT: 8.72
Area: 2549
Amount: 21.971638
Amount Units: ug/l



Manual Integration Results

RT: 8.77
Area: 7463
Amount: 51.025673
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 08:43:03 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X04.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Apr-2025 18:08:30 ALS Bottle#: 4 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141045-014
Misc. Info.: IC V10
Operator ID: knk41612 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 25-Apr-2025 08:42:00 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: DVW2 Date: 23-Apr-2025 08:39:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	1.982	1.989	-0.007	99	102876	10.0	9.81	
7 Chloromethane	50	2.184	2.191	-0.007	99	112244	10.0	10.3	
9 Vinyl chloride	62	2.310	2.309	0.001	98	107971	10.0	10.2	
8 Butadiene	39	2.316	2.316	0.000	94	106020	10.0	9.87	
12 Bromomethane	94	2.666	2.669	-0.003	90	81019	10.0	10.7	
13 Chloroethane	64	2.727	2.733	-0.006	98	56154	10.0	10.3	
14 Dichlorofluoromethane	67	3.009	3.012	-0.003	97	169337	10.0	10.2	
15 Trichlorofluoromethane	101	3.057	3.064	-0.007	96	125746	10.0	9.92	
28 Pentane	43	3.089	3.089	0.000	97	90177	10.0	9.04	
17 Ethanol	45	3.378	3.291	0.087	26	72295	500.0	493.6	M
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.394	3.394	0.000	92	74998	10.0	10.2	
19 Acrolein	56	3.484	3.484	0.000	99	185904	97.6	98.0	
20 1,1-Dichloroethene	96	3.619	3.632	-0.013	98	54489	10.0	9.81	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.654	3.654	0.000	91	66814	10.0	9.43	
21 Acetone	58	3.664	3.657	0.007	88	22626	20.0	20.3	
24 Isopropyl alcohol	45	3.827	3.821	0.006	28	71578	50.0	49.1	M
23 Iodomethane	142	3.831	3.837	-0.006	97	115052	10.0	10.2	
25 Carbon disulfide	76	3.943	3.956	-0.013	99	210429	10.0	9.73	
27 Methyl acetate	43	4.087	4.081	0.006	96	63832	10.0	9.07	
30 3-Chloro-1-propene	41	4.107	4.116	-0.010	91	75048	10.0	9.82	
33 Methylene Chloride	84	4.309	4.315	-0.006	93	61170	10.0	10.0	
* 34 t-Butyl alcohol-d10 (IS)	65	4.344	4.357	-0.013	68	437157	250.0	250.0	
35 2-Methyl-2-propanol	59	4.520	4.463	0.057	38	90343	50.0	48.8	M
36 Acrylonitrile	53	4.668	4.665	0.003	98	88338	25.0	24.8	
37 Methyl tert-butyl ether	73	4.723	4.716	0.007	87	185873	10.0	9.85	
38 trans-1,2-Dichloroethene	96	4.719	4.726	-0.007	99	53735	10.0	10.1	
39 Hexane	57	5.156	5.159	-0.003	90	63275	10.0	9.35	
41 1,1-Dichloroethane	63	5.403	5.400	0.003	96	91337	10.0	10.0	
42 Isopropyl ether	45	5.457	5.454	0.003	94	163989	10.0	9.69	
43 2-Chloro-1,3-butadiene	53	5.509	5.506	0.003	91	76855	10.0	9.84	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Tert-butyl ethyl ether	59	5.997	5.993	0.004	98	170881	10.0	9.67	
S 45 1,2-Dichloroethene, Total	100				0			20.0	
46 2-Butanone (MEK)	43	6.192	6.199	-0.007	100	95878	20.0	20.1	
47 cis-1,2-Dichloroethene	96	6.231	6.234	-0.003	82	60062	10.0	9.93	
49 2,2-Dichloropropane	77	6.250	6.256	-0.006	89	90582	10.0	9.65	
50 Propionitrile	54	6.317	6.314	0.003	87	79057	50.0	49.1	
51 Methyl acrylate	55	6.333	6.324	0.009	98	80552	10.0	9.56	
53 Methacrylonitrile	67	6.520	6.510	0.010	89	81515	25.0	24.3	
54 Chlorobromomethane	128	6.568	6.568	0.000	94	31308	10.0	10.3	
55 Tetrahydrofuran	71	6.587	6.577	0.010	88	69284	50.0	50.2	
56 Chloroform	83	6.715	6.722	-0.007	94	89742	10.0	9.97	
$ 57 Dibromofluoromethane (Surr)	113	6.940	6.937	0.003	93	269441	50.0	50.8	
58 1,1,1-Trichloroethane	97	6.950	6.946	0.004	94	95108	10.0	9.96	
59 Cyclohexane	56	7.036	7.043	-0.007	88	100706	10.0	9.29	
61 Carbon tetrachloride	117	7.161	7.158	0.003	96	80529	10.0	9.94	
62 1,1-Dichloropropene	75	7.158	7.158	0.000	94	76274	10.0	9.76	
64 Isobutyl alcohol	41	7.335	7.341	-0.006	81	61700	125.0	114.9	
$ 65 1,2-Dichloroethane-d4 (Surr)	102	7.392	7.389	0.003	77	67653	50.0	50.3	
66 Benzene	78	7.425	7.424	0.000	95	228313	10.0	9.96	
69 1,2-Dichloroethane	62	7.492	7.498	-0.006	96	67436	10.0	9.80	
70 Tert-amyl methyl ether	73	7.614	7.620	-0.006	98	158512	10.0	9.32	
* 73 Fluorobenzene (IS)	96	7.832	7.829	0.003	99	1132285	50.0	50.0	
74 n-Heptane	43	7.842	7.835	0.007	82	52337	10.0	9.01	
75 n-Butanol	56	8.217	8.204	0.013	91	45271	125.0	111.6	
76 Trichloroethene	95	8.313	8.310	0.003	100	57513	10.0	10.0	
77 Ethyl acrylate	55	8.419	8.426	-0.007	98	77310	10.0	9.31	
78 Methylcyclohexane	83	8.615	8.618	-0.003	89	88619	10.0	8.92	
80 1,2-Dichloropropane	63	8.647	8.647	0.000	71	54202	10.0	9.70	
79 2-ethoxy-2-methyl butane	87	8.650	8.647	0.003	92	71655	10.0	9.10	
81 Methyl methacrylate	69	8.724	8.724	0.000	93	45235	10.0	9.47	
82 1,4-Dioxane	88	8.731	8.734	-0.003	41	17141	125.0	119.7	
83 Dibromomethane	93	8.759	8.756	0.003	96	34113	10.0	9.48	
85 Dichlorobromomethane	83	8.994	8.987	0.007	99	60097	10.0	9.24	
86 2-Nitropropane	41	9.266	9.266	0.000	97	91105	50.0	45.4	
88 2-Chloroethyl vinyl ether	63	9.350	9.350	0.000	91	33479	10.0	9.00	
91 cis-1,3-Dichloropropene	75	9.533	9.530	0.003	97	72799	10.0	9.24	
92 4-Methyl-2-pentanone (MIBK)	43	9.709	9.706	0.003	96	189575	20.0	20.3	
$ 94 Toluene-d8 (Surr)	98	9.834	9.837	-0.003	93	1048802	50.0	48.3	
99 Toluene	92	9.908	9.911	-0.003	98	134466	10.0	9.60	
S 120 1,3-Dichloropropene, Total	100				0			18.5	
124 trans-1,3-Dichloropropene	75	10.168	10.168	0.000	91	65452	10.0	9.22	
126 Ethyl methacrylate	69	10.226	10.223	0.003	89	76943	10.0	9.22	
128 1,1,2-Trichloroethane	97	10.367	10.367	0.000	90	46868	10.0	9.28	
129 Tetrachloroethene	166	10.454	10.450	0.004	96	57886	10.0	9.76	
131 1,3-Dichloropropane	76	10.534	10.534	0.000	91	78990	10.0	9.63	
133 2-Hexanone	43	10.585	10.582	0.003	97	129912	20.0	20.5	
135 Chlorodibromomethane	129	10.743	10.742	0.001	90	50764	10.0	9.45	
136 Ethylene Dibromide	107	10.852	10.852	0.000	98	50622	10.0	9.63	
S 137 Xylenes, Total	106				0			29.8	
* 138 Chlorobenzene-d5 (IS)	117	11.282	11.281	0.001	84	839512	50.0	50.0	
139 1-Chlorohexane	91	11.291	11.288	0.003	95	68462	10.0	9.44	
140 Chlorobenzene	112	11.307	11.307	0.000	97	147687	10.0	9.73	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
141 1,1,1,2-Tetrachloroethane	131	11.388	11.387	0.001	96	57251	10.0	9.56	
142 Ethylbenzene	91	11.394	11.394	0.000	98	282826	10.0	9.95	
143 m-Xylene & p-Xylene	106	11.506	11.509	-0.003	99	216806	20.0	19.8	
144 n-Butyl acrylate	55	11.782	11.782	0.000	96	108798	10.0	9.51	
145 o-Xylene	106	11.834	11.837	-0.003	96	114542	10.0	9.95	
146 Styrene	104	11.850	11.853	-0.003	94	163533	10.0	9.69	
147 Bromoform	173	12.010	12.007	0.003	97	38137	10.0	9.22	
148 Isopropylbenzene	105	12.132	12.135	-0.003	95	263267	10.0	9.85	
150 Cyclohexanone	55	12.219	12.219	0.000	92	122481	250.0	254.8	
$ 151 4-Bromofluorobenzene (Surr)	95	12.280	12.279	0.001	96	417269	50.0	50.2	
152 1,1,2,2-Tetrachloroethane	83	12.382	12.379	0.003	96	101158	10.0	9.67	
153 Bromobenzene	156	12.395	12.395	0.000	97	67903	10.0	9.92	
154 trans-1,4-Dichloro-2-butene	53	12.408	12.408	0.000	88	62489	25.0	23.4	
155 1,2,3-Trichloropropane	110	12.427	12.427	0.000	86	31797	10.0	9.80	
156 N-Propylbenzene	91	12.463	12.462	0.000	99	336036	10.0	9.90	
157 2-Chlorotoluene	126	12.540	12.539	0.001	97	69440	10.0	9.82	
158 1,3,5-Trimethylbenzene	105	12.597	12.597	0.000	94	237312	10.0	9.63	
159 4-Chlorotoluene	126	12.636	12.633	0.003	96	68431	10.0	10.0	
160 tert-Butylbenzene	134	12.838	12.838	0.000	93	43680	10.0	9.51	
162 1,2,4-Trimethylbenzene	105	12.883	12.883	0.000	97	245817	10.0	9.63	
163 sec-Butylbenzene	105	13.005	13.005	0.000	94	289534	10.0	9.68	
164 1,3-Dichlorobenzene	146	13.101	13.104	-0.003	97	128801	10.0	9.86	
165 4-Isopropyltoluene	119	13.107	13.111	-0.004	97	251518	10.0	9.71	
* 166 1,4-Dichlorobenzene-d4	152	13.159	13.159	0.000	94	491381	50.0	50.0	
168 1,4-Dichlorobenzene	146	13.175	13.178	-0.003	96	134876	10.0	10.0	
169 1,2,3-Trimethylbenzene	105	13.188	13.188	0.000	98	263739	10.0	9.72	
170 Benzyl chloride	91	13.255	13.255	0.000	98	171774	10.0	9.18	
171 1,3-Diethylbenzene	119	13.310	13.310	0.000	96	147521	10.0	9.82	
172 p-Diethylbenzene	119	13.383	13.380	0.003	93	155932	10.0	9.87	
173 n-Butylbenzene	92	13.403	13.403	0.000	98	123402	10.0	9.78	
174 1,2-Dichlorobenzene	146	13.438	13.438	0.000	98	141794	10.0	9.93	
175 o-diethylbenzene	119	13.454	13.454	0.000	95	124447	10.0	9.59	
177 1,2-Dibromo-3-Chloropropane	75	13.980	13.980	0.000	84	30207	10.0	9.69	
178 1,3,5-Trichlorobenzene	180	14.105	14.105	0.000	98	95941	10.0	9.77	
179 1,2,4-Trichlorobenzene	180	14.529	14.529	0.000	94	96383	10.0	9.70	
180 2-Ethylhexyl acrylate	55	14.587	14.584	0.003	83	67124	10.0	9.96	
181 Hexachlorobutadiene	225	14.609	14.612	-0.003	97	32086	10.0	9.57	
182 Naphthalene	128	14.712	14.712	0.000	96	412387	10.0	9.80	
183 1,2,3-Trichlorobenzene	180	14.860	14.856	0.004	96	100350	10.0	9.85	
184 2-Methylnaphthalene	142	15.495	15.495	0.000	92	165278	10.0	8.73	
S 210 Total Diethylbenzene	1				0			29.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00232	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added:	8.00	Units: uL	
MSV_CCV_VOC#3_00233	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00224	Amount Added:	2.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	8.00	Units: uL	
MSV_CCV_GASES_01048	Amount Added:	1.00	Units: uL	
MSV_CCV_OH_Sp_00021	Amount Added:	2.00	Units: uL	
MSV_Cent_ISSS_00036	Amount Added:	5.00	Units: uL	Run Reagent

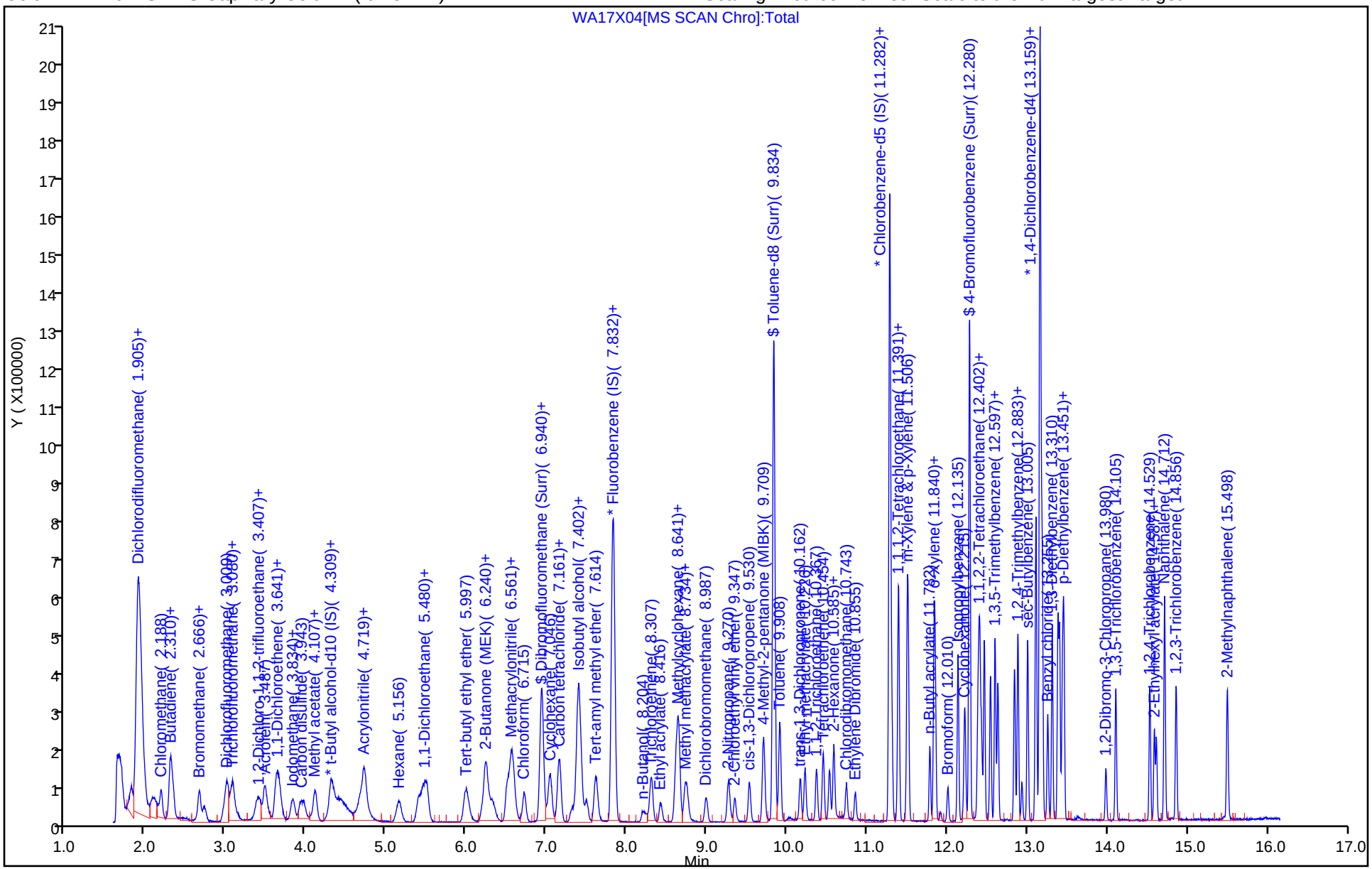
Report Date: 25-Apr-2025 08:42:00 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X04.D

Injection Date:	22-Apr-2025 18:08:30	Instrument ID:	9137	Operator ID:	knk41612
Lims ID:	IC v10			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

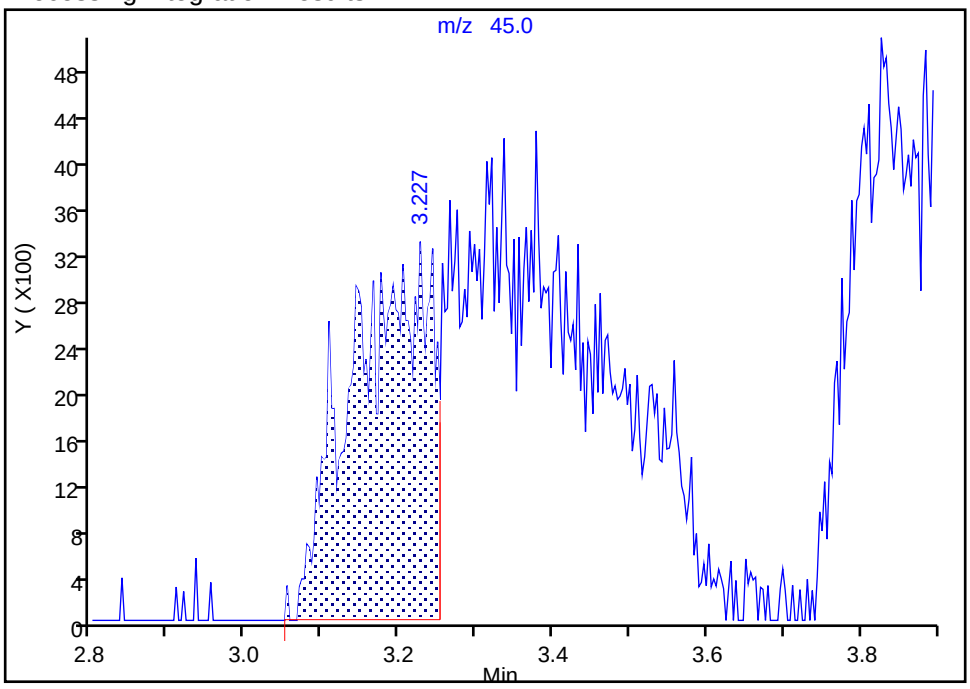
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X04.D				
Injection Date:	22-Apr-2025 18:08:30	Instrument ID:	9137		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

17 Ethanol, CAS: 64-17-5

Signal: 1

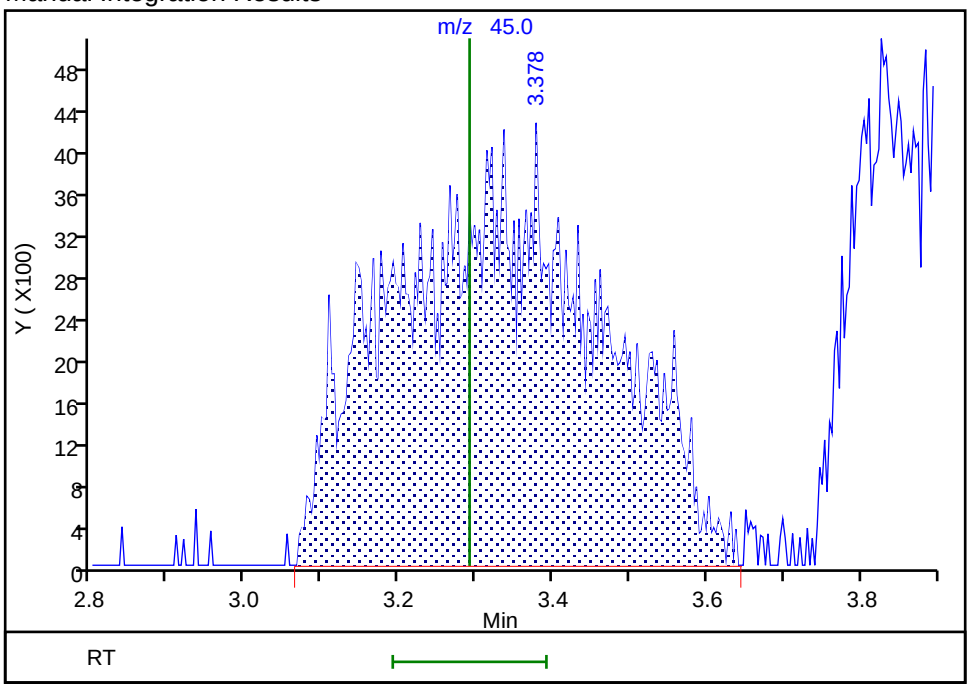
Processing Integration Results

RT: 3.23
Area: 22747
Amount: 224.2618
Amount Units: ug/l



Manual Integration Results

RT: 3.38
Area: 72295
Amount: 493.6031
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 08:40:52 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

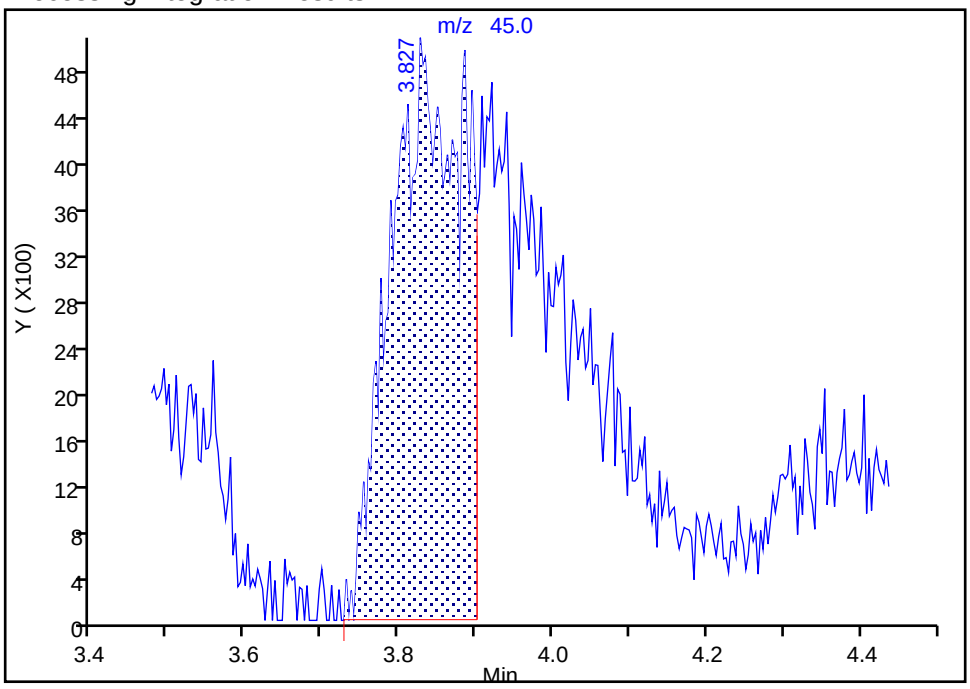
Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X04.D
Injection Date: 22-Apr-2025 18:08:30 Instrument ID: 9137
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

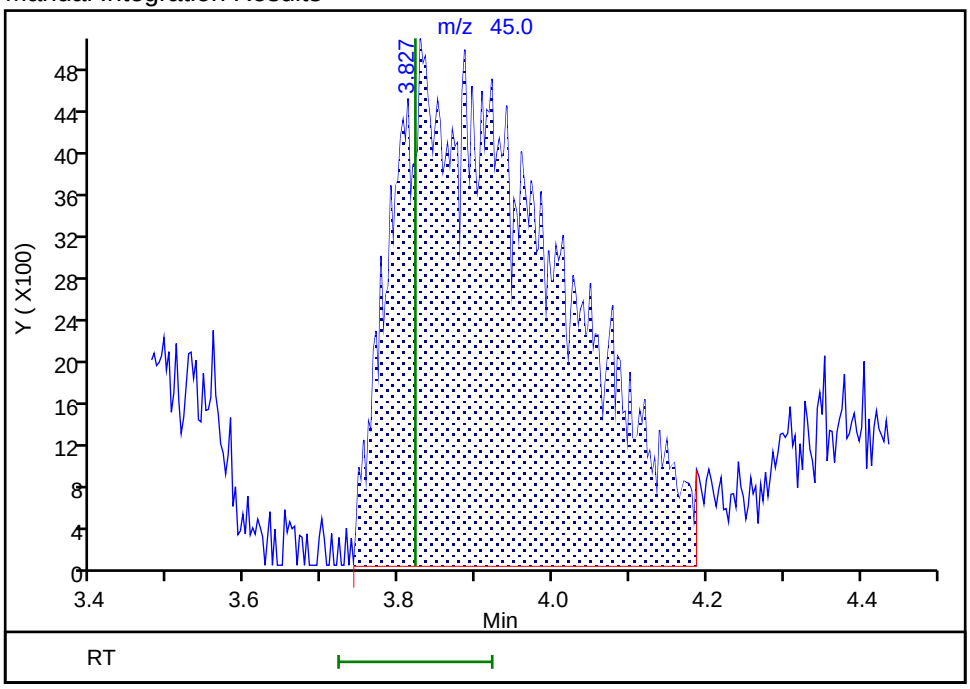
Processing Integration Results

RT: 3.83
Area: 32498
Amount: 24.956692
Amount Units: ug/l



Manual Integration Results

RT: 3.83
Area: 71578
Amount: 49.118715
Amount Units: ug/l



Reviewer: UKEK, 25-Apr-2025 08:12:56 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

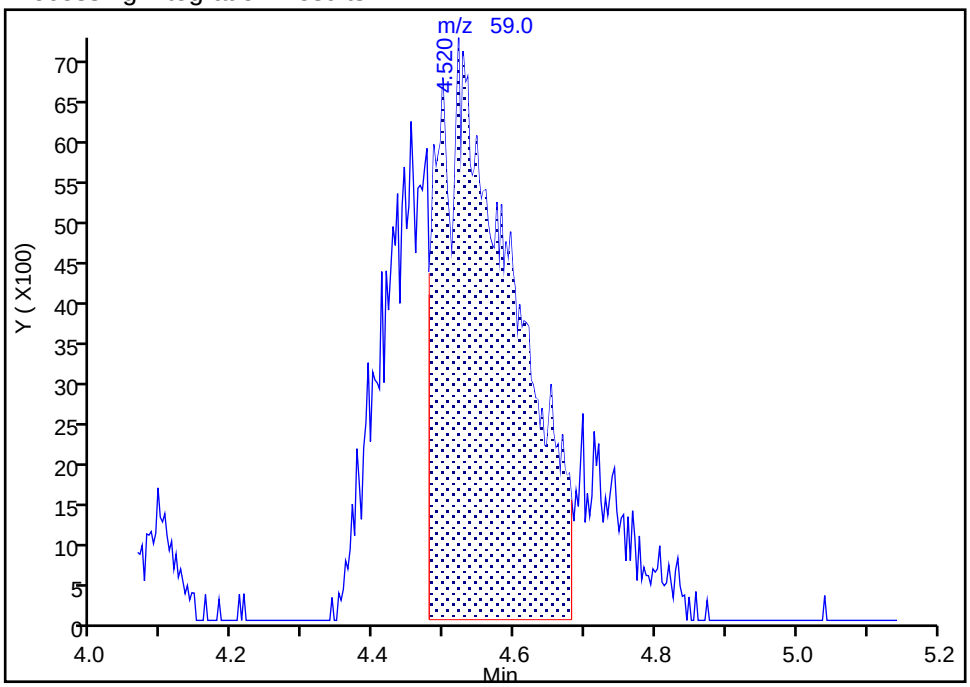
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X04.D				
Injection Date:	22-Apr-2025 18:08:30	Instrument ID:	9137		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

35 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

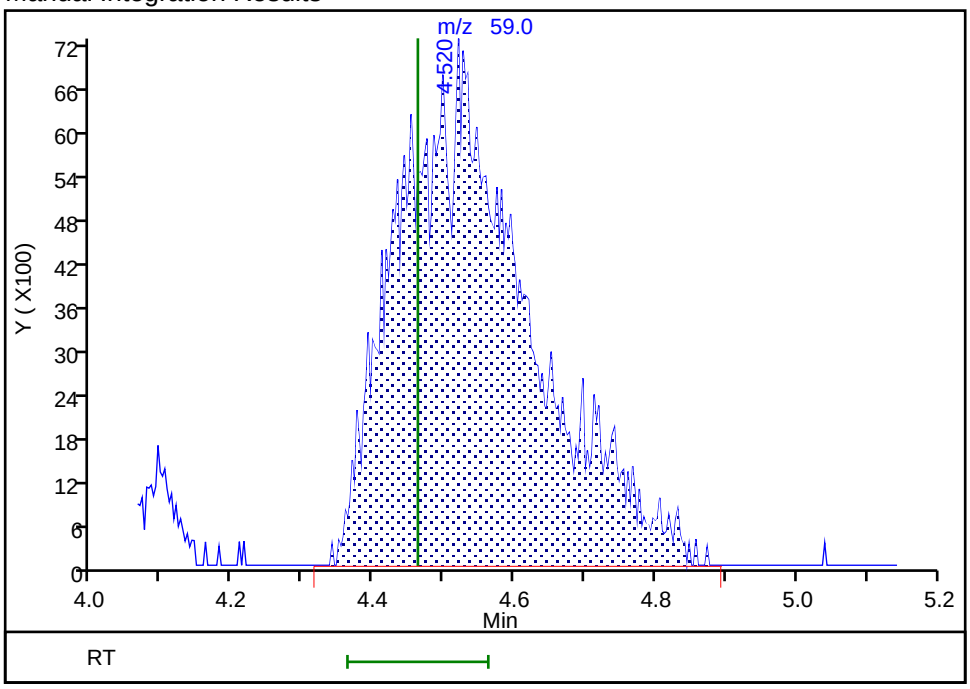
Processing Integration Results

RT: 4.52
Area: 53270
Amount: 30.517014
Amount Units: ug/l



Manual Integration Results

RT: 4.52
Area: 90343
Amount: 48.794320
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 08:42:01 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X05.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-Apr-2025 18:30:30 ALS Bottle#: 5 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141045-015
Misc. Info.: IC V20
Operator ID: knk41612 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 25-Apr-2025 08:42:15 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: DVW2 Date: 23-Apr-2025 08:40:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	1.982	1.989	-0.007	100	222543	20.0	20.7	
7 Chloromethane	50	2.194	2.191	0.003	100	215538	20.0	19.2	
9 Vinyl chloride	62	2.306	2.309	-0.003	98	211456	20.0	19.5	
8 Butadiene	39	2.313	2.316	-0.004	80	215016	20.0	19.5	
12 Bromomethane	94	2.665	2.669	-0.004	90	148551	20.0	19.1	
13 Chloroethane	64	2.736	2.733	0.003	100	107842	20.0	19.2	
14 Dichlorofluoromethane	67	3.012	3.012	0.000	97	325111	20.0	19.1	
15 Trichlorofluoromethane	101	3.063	3.064	-0.001	98	258539	20.0	19.9	
28 Pentane	43	3.083	3.089	-0.006	98	207219	20.0	20.2	
17 Ethanol	45	3.330	3.291	0.039	28	150105	1000.0	1008.5	a
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.404	3.394	0.010	92	146914	20.0	19.4	
19 Acrolein	56	3.484	3.484	0.000	100	352221	195.2	182.7	
20 1,1-Dichloroethene	96	3.625	3.632	-0.007	98	116051	20.0	20.3	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.663	3.654	0.009	94	152982	20.0	21.0	
21 Acetone	58	3.683	3.657	0.026	79	41775	40.0	36.8	
24 Isopropyl alcohol	45	3.827	3.821	0.006	89	176725	100.0	119.3	
23 Iodomethane	142	3.834	3.837	-0.003	98	228587	20.0	19.6	
25 Carbon disulfide	76	3.936	3.956	-0.020	99	441699	20.0	19.9	
27 Methyl acetate	43	4.084	4.081	0.003	97	135766	20.0	18.8	M
30 3-Chloro-1-propene	41	4.113	4.116	-0.003	93	155555	20.0	19.8	
33 Methylene Chloride	84	4.315	4.315	0.000	91	123561	20.0	19.7	
* 34 t-Butyl alcohol-d10 (IS)	65	4.385	4.357	0.028	59	444266	250.0	250.0	
35 2-Methyl-2-propanol	59	4.543	4.463	0.080	96	230223	100.0	122.4	
36 Acrylonitrile	53	4.665	4.665	0.000	99	189400	50.0	51.7	
37 Methyl tert-butyl ether	73	4.726	4.716	0.010	89	393693	20.0	20.3	
38 trans-1,2-Dichloroethene	96	4.726	4.726	0.000	98	111377	20.0	20.3	
39 Hexane	57	5.159	5.159	0.000	89	152409	20.0	21.9	
41 1,1-Dichloroethane	63	5.399	5.400	-0.001	96	193880	20.0	20.7	
42 Isopropyl ether	45	5.460	5.454	0.006	93	355636	20.0	20.4	
43 2-Chloro-1,3-butadiene	53	5.505	5.506	-0.001	90	168689	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Tert-butyl ethyl ether	59	5.996	5.993	0.003	98	372771	20.0	20.5	
S 45 1,2-Dichloroethene, Total	100				0			41.0	
46 2-Butanone (MEK)	43	6.205	6.199	0.006	98	175908	40.0	35.9	
47 cis-1,2-Dichloroethene	96	6.240	6.234	0.006	81	128529	20.0	20.7	
49 2,2-Dichloropropane	77	6.256	6.256	0.000	87	198651	20.0	20.6	
50 Propionitrile	54	6.301	6.314	-0.013	95	175325	100.0	107.1	
51 Methyl acrylate	55	6.333	6.324	0.009	99	166028	20.0	19.2	
53 Methacrylonitrile	67	6.523	6.510	0.013	89	182867	50.0	53.1	
54 Chlorobromomethane	128	6.571	6.568	0.003	85	65224	20.0	20.9	
55 Tetrahydrofuran	71	6.564	6.577	-0.013	79	149431	100.0	106.5	
56 Chloroform	83	6.725	6.722	0.003	94	192635	20.0	20.8	
$ 57 Dibromofluoromethane (Surr)	113	6.933	6.937	-0.004	94	274420	50.0	50.4	
58 1,1,1-Trichloroethane	97	6.946	6.946	0.000	98	204858	20.0	20.9	
59 Cyclohexane	56	7.039	7.043	-0.004	89	238196	20.0	21.4	
61 Carbon tetrachloride	117	7.155	7.158	-0.003	93	173065	20.0	20.8	
62 1,1-Dichloropropene	75	7.158	7.158	0.000	96	167487	20.0	20.8	
64 Isobutyl alcohol	41	7.351	7.341	0.009	88	167194	250.0	306.5	
$ 65 1,2-Dichloroethane-d4 (Surr)	102	7.395	7.389	0.006	90	69695	50.0	50.5	
66 Benzene	78	7.424	7.424	0.000	97	487966	20.0	20.7	
69 1,2-Dichloroethane	62	7.501	7.498	0.003	98	145633	20.0	20.6	
70 Tert-amyl methyl ether	73	7.614	7.620	-0.006	98	358223	20.0	20.5	
* 73 Fluorobenzene (IS)	96	7.825	7.829	-0.004	99	1163370	50.0	50.0	
74 n-Heptane	43	7.838	7.835	0.003	93	126344	20.0	21.2	
75 n-Butanol	56	8.201	8.204	-0.003	87	130278	250.0	316.1	
76 Trichloroethene	95	8.310	8.310	0.000	96	121144	20.0	20.5	
77 Ethyl acrylate	55	8.419	8.426	-0.007	98	161137	20.0	18.9	
78 Methylcyclohexane	83	8.612	8.618	-0.006	89	222311	20.0	21.8	
80 1,2-Dichloropropane	63	8.647	8.647	0.000	74	116687	20.0	20.3	
79 2-ethoxy-2-methyl butane	87	8.657	8.647	0.010	93	170362	20.0	21.1	
81 Methyl methacrylate	69	8.730	8.724	0.006	89	105136	20.0	21.4	
82 1,4-Dioxane	88	8.727	8.734	-0.007	49	43067	250.0	295.9	
83 Dibromomethane	93	8.753	8.756	-0.003	96	79959	20.0	21.6	
85 Dichlorobromomethane	83	8.987	8.987	0.000	100	139044	20.0	20.8	
86 2-Nitropropane	41	9.273	9.266	0.007	99	215469	100.0	105.7	
88 2-Chloroethyl vinyl ether	63	9.346	9.350	-0.004	91	73177	20.0	19.2	
91 cis-1,3-Dichloropropene	75	9.533	9.530	0.003	97	166841	20.0	20.6	
92 4-Methyl-2-pentanone (MIBK)	43	9.709	9.706	0.003	96	379578	40.0	39.6	
$ 94 Toluene-d8 (Surr)	98	9.837	9.837	0.000	93	1125431	50.0	50.4	
99 Toluene	92	9.911	9.911	0.000	98	302566	20.0	21.0	
S 120 1,3-Dichloropropene, Total	100				0			41.0	
124 trans-1,3-Dichloropropene	75	10.165	10.168	-0.003	92	148763	20.0	20.4	
126 Ethyl methacrylate	69	10.222	10.223	-0.001	89	179660	20.0	20.9	
128 1,1,2-Trichloroethane	97	10.370	10.367	0.003	90	110963	20.0	21.4	
129 Tetrachloroethene	166	10.454	10.450	0.004	97	127243	20.0	20.9	
131 1,3-Dichloropropane	76	10.531	10.534	-0.003	89	174270	20.0	20.7	
133 2-Hexanone	43	10.582	10.582	0.000	96	249472	40.0	38.4	
135 Chlorodibromomethane	129	10.746	10.742	0.004	89	116036	20.0	21.0	
136 Ethylene Dibromide	107	10.855	10.852	0.003	100	115219	20.0	21.3	
S 137 Xylenes, Total	106				0			63.8	
* 138 Chlorobenzene-d5 (IS)	117	11.281	11.281	0.000	85	862963	50.0	50.0	
139 1-Chlorohexane	91	11.288	11.288	0.000	97	154829	20.0	20.8	
140 Chlorobenzene	112	11.307	11.307	0.000	96	325665	20.0	20.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
141 1,1,1,2-Tetrachloroethane	131	11.391	11.387	0.004	94	129734	20.0	21.1	
142 Ethylbenzene	91	11.391	11.394	-0.003	98	611081	20.0	20.9	
143 m-Xylene & p-Xylene	106	11.506	11.509	-0.003	99	477885	40.0	42.5	
144 n-Butyl acrylate	55	11.782	11.782	0.000	97	218303	20.0	18.6	
145 o-Xylene	106	11.837	11.837	0.000	96	252759	20.0	21.4	
146 Styrene	104	11.849	11.853	-0.004	94	369104	20.0	21.3	
147 Bromoform	173	12.007	12.007	0.000	97	91913	20.0	21.6	
148 Isopropylbenzene	105	12.135	12.135	0.000	95	593048	20.0	21.6	
150 Cyclohexanone	55	12.218	12.219	-0.001	91	252190	500.0	516.2	
$ 151 4-Bromofluorobenzene (Surr)	95	12.276	12.279	-0.003	89	423729	50.0	49.6	
152 1,1,2,2-Tetrachloroethane	83	12.379	12.379	0.000	95	241869	20.0	22.6	
153 Bromobenzene	156	12.398	12.395	0.003	97	149444	20.0	21.3	
154 trans-1,4-Dichloro-2-butene	53	12.408	12.408	0.000	88	149662	50.0	54.7	
155 1,2,3-Trichloropropane	110	12.427	12.427	0.000	85	74494	20.0	22.4	
156 N-Propylbenzene	91	12.462	12.462	0.000	99	739470	20.0	21.3	
157 2-Chlorotoluene	126	12.539	12.539	0.000	97	151152	20.0	20.9	
158 1,3,5-Trimethylbenzene	105	12.597	12.597	0.000	95	534532	20.0	21.2	
159 4-Chlorotoluene	126	12.632	12.633	-0.001	97	145972	20.0	20.9	
160 tert-Butylbenzene	134	12.841	12.838	0.003	92	98894	20.0	21.0	
162 1,2,4-Trimethylbenzene	105	12.883	12.883	0.000	97	556636	20.0	21.3	
163 sec-Butylbenzene	105	13.005	13.005	0.000	94	662890	20.0	21.7	
164 1,3-Dichlorobenzene	146	13.104	13.104	0.000	98	289596	20.0	21.7	
165 4-Isopropyltoluene	119	13.110	13.111	-0.001	97	573846	20.0	21.6	
* 166 1,4-Dichlorobenzene-d4	152	13.159	13.159	0.000	94	502970	50.0	50.0	
168 1,4-Dichlorobenzene	146	13.175	13.178	-0.003	95	296584	20.0	21.5	
169 1,2,3-Trimethylbenzene	105	13.188	13.188	0.000	98	594305	20.0	21.4	
170 Benzyl chloride	91	13.255	13.255	0.000	98	435296	20.0	22.7	
171 1,3-Diethylbenzene	119	13.309	13.310	-0.001	95	332947	20.0	21.6	
172 p-Diethylbenzene	119	13.380	13.380	0.000	94	349548	20.0	21.6	
173 n-Butylbenzene	92	13.403	13.403	-0.001	97	277370	20.0	21.5	
174 1,2-Dichlorobenzene	146	13.438	13.438	0.000	98	316190	20.0	21.6	
175 o-diethylbenzene	119	13.454	13.454	0.000	95	282073	20.0	21.2	
177 1,2-Dibromo-3-Chloropropane	75	13.980	13.980	0.000	86	72856	20.0	22.8	
178 1,3,5-Trichlorobenzene	180	14.105	14.105	0.000	98	217075	20.0	21.6	
179 1,2,4-Trichlorobenzene	180	14.529	14.529	0.000	94	223628	20.0	22.0	
180 2-Ethylhexyl acrylate	55	14.583	14.584	-0.001	82	150605	20.0	18.8	
181 Hexachlorobutadiene	225	14.612	14.612	0.000	98	73964	20.0	21.6	
182 Naphthalene	128	14.712	14.712	0.000	97	1003481	20.0	23.3	
183 1,2,3-Trichlorobenzene	180	14.856	14.856	0.000	97	232019	20.0	22.2	
184 2-Methylnaphthalene	142	15.495	15.495	0.000	92	433010	20.0	22.3	
S 210 Total Diethylbenzene	1				0			64.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00232	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added:	16.00	Units: uL	
MSV_CCV_VOC#3_00233	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00224	Amount Added:	4.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	16.00	Units: uL	
MSV_CCV_GASES_01048	Amount Added:	2.00	Units: uL	
MSV_CCV_OH_Sp_00021	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 25-Apr-2025 08:42:16 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X05.D

Injection Date: 22-Apr-2025 18:30:30 Instrument ID: 9137 Operator ID: knk41612

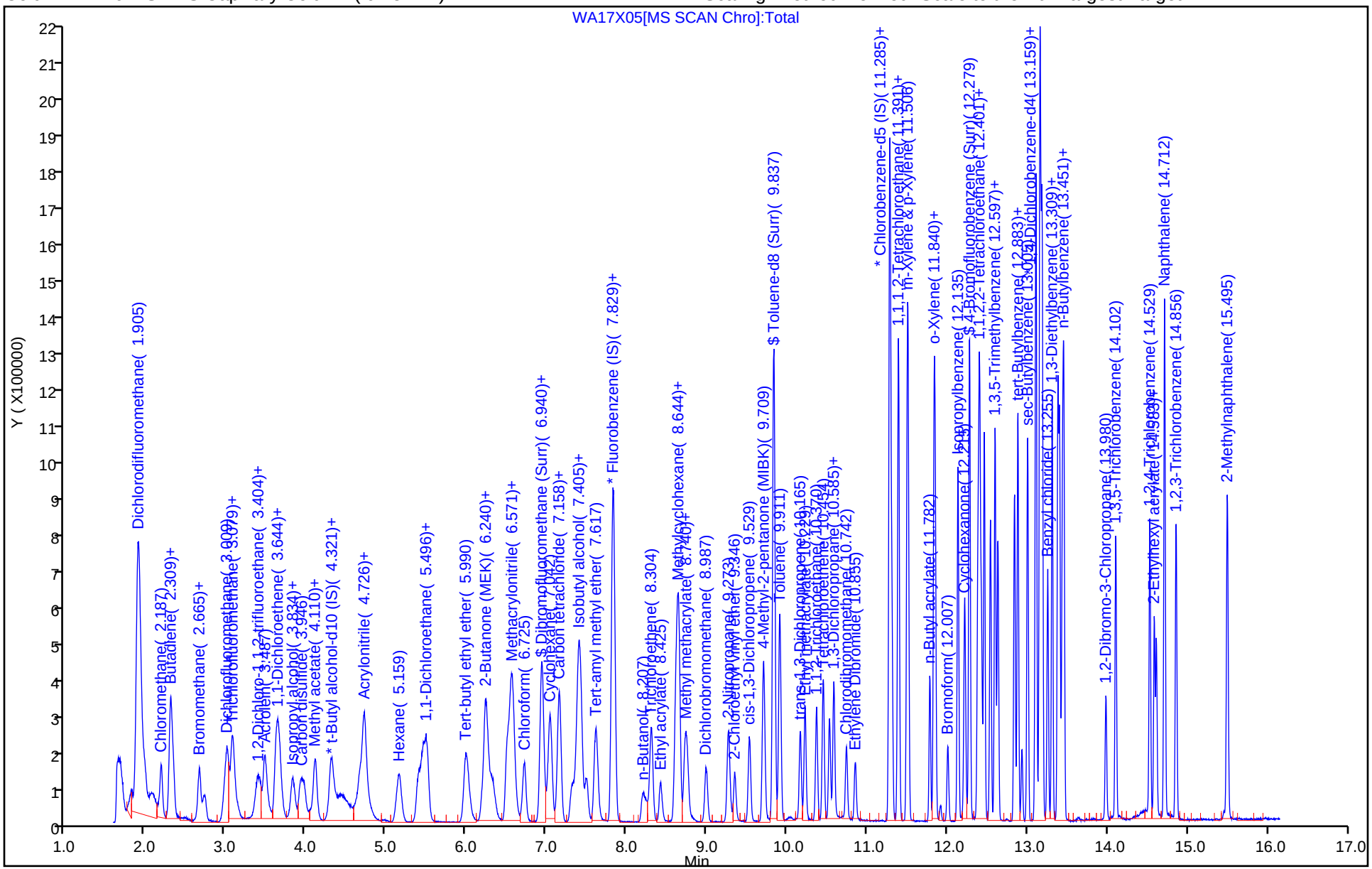
Lims ID: IC v20 Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSVoa_9137 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

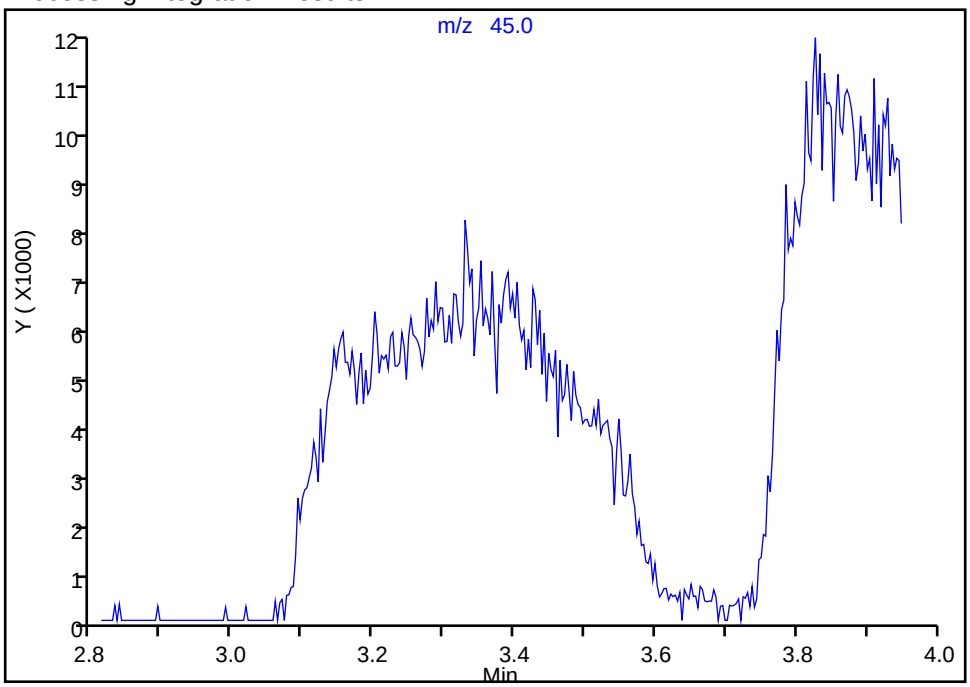
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X05.D				
Injection Date:	22-Apr-2025 18:30:30	Instrument ID:	9137		
Lims ID:	IC v20				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	5	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

17 Ethanol, CAS: 64-17-5

Signal: 1

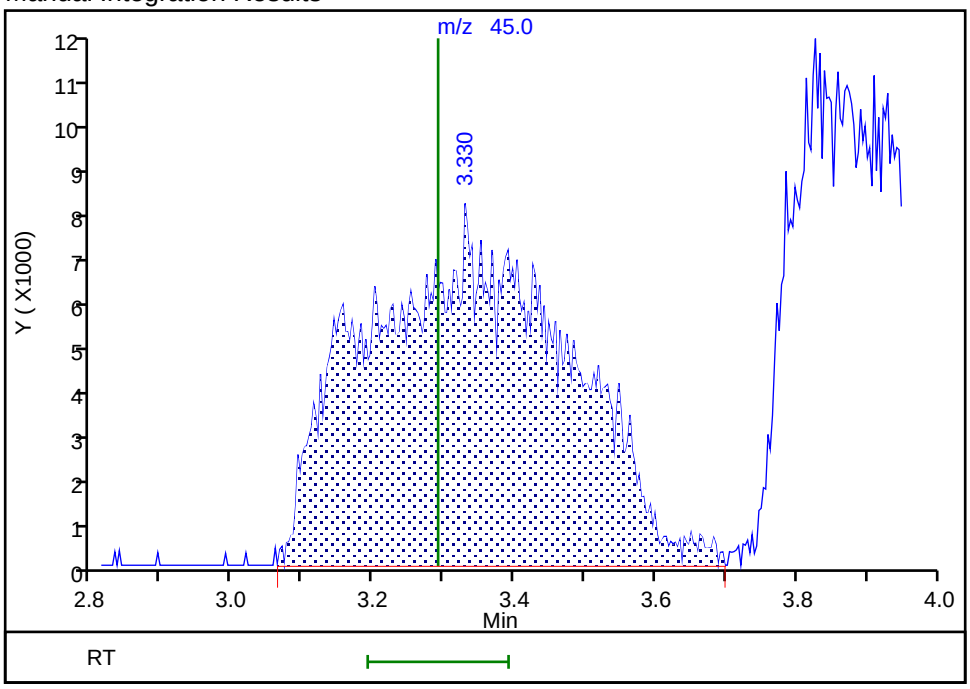
Not Detected
Expected RT: 3.29

Processing Integration Results



Manual Integration Results

RT: 3.33
Area: 150105
Amount: 1008.4611
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 08:40:29 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

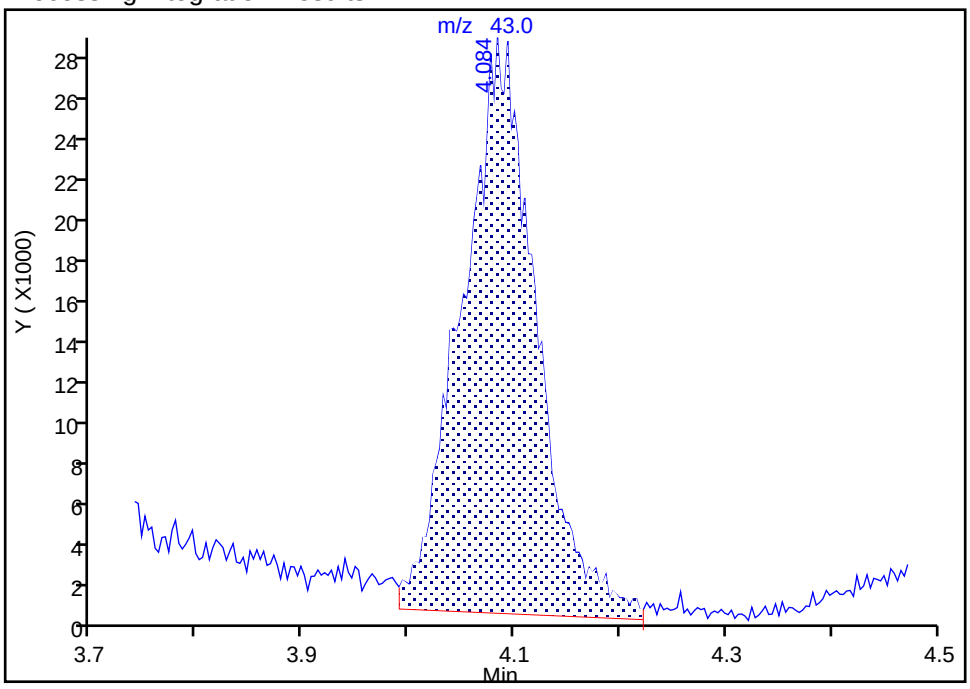
Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X05.D
Injection Date: 22-Apr-2025 18:30:30 Instrument ID: 9137
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

27 Methyl acetate, CAS: 79-20-9

Signal: 1

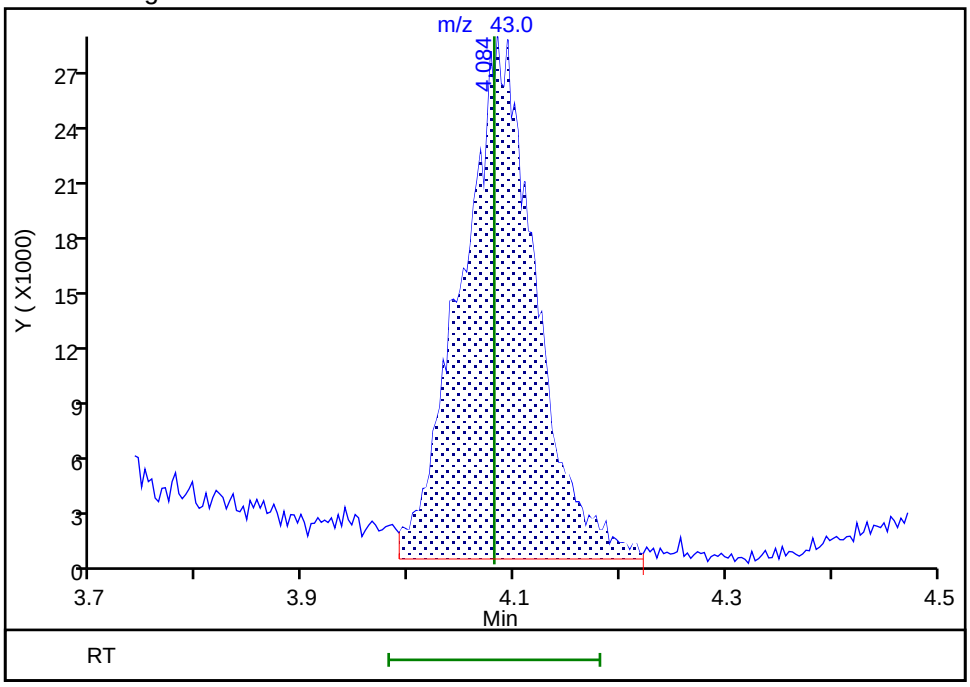
Processing Integration Results

RT: 4.08
Area: 134761
Amount: 18.645596
Amount Units: ug/l



Manual Integration Results

RT: 4.08
Area: 135766
Amount: 18.766009
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 17:17:13 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X06.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 22-Apr-2025 18:52:30 ALS Bottle#: 6 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141045-016
Misc. Info.: ICIS V50
Operator ID: knk41612 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 25-Apr-2025 08:42:31 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: DVW2 Date: 23-Apr-2025 08:36:53

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	5 Dichlorodifluoromethane	85	1.989	1.989	0.000	100	496210	50.0	44.3	
	7 Chloromethane	50	2.191	2.191	0.000	100	506991	50.0	43.5	
	9 Vinyl chloride	62	2.309	2.309	0.000	98	502186	50.0	44.5	
	8 Butadiene	39	2.316	2.316	0.000	87	482483	50.0	42.1	
	12 Bromomethane	94	2.669	2.669	0.000	91	369179	50.0	45.6	
	13 Chloroethane	64	2.733	2.733	0.000	100	255020	50.0	43.7	
	14 Dichlorofluoromethane	67	3.012	3.012	0.000	98	789260	50.0	44.6	
	15 Trichlorofluoromethane	101	3.064	3.064	0.000	98	609364	50.0	45.0	
	28 Pentane	43	3.089	3.089	0.000	97	478493	50.0	44.9	
	17 Ethanol	45	3.291	3.291	0.000	29	187057	1250.0	1169.5	a
	18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.394	3.394	0.000	94	349859	50.0	44.5	
	19 Acrolein	56	3.484	3.484	0.000	98	992260	487.9	478.9	
	20 1,1-Dichloroethene	96	3.632	3.632	0.000	98	280866	50.0	47.4	
	22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.654	3.654	0.000	93	362461	50.0	47.9	
	21 Acetone	58	3.657	3.657	0.000	87	116452	100.0	95.5	
	24 Isopropyl alcohol	45	3.821	3.821	0.000	97	316591	250.0	198.9	M
	23 Iodomethane	142	3.837	3.837	0.000	97	573148	50.0	47.4	
	25 Carbon disulfide	76	3.956	3.956	0.000	99	1063512	50.0	46.1	
	27 Methyl acetate	43	4.081	4.081	0.000	98	319311	50.0	42.5	
	30 3-Chloro-1-propene	41	4.116	4.116	0.000	94	373978	50.0	45.8	
	33 Methylene Chloride	84	4.315	4.315	0.000	89	306246	50.0	46.9	
*	34 t-Butyl alcohol-d10 (IS)	65	4.379	4.379	0.000	72	477409	250.0	250.0	
	35 2-Methyl-2-propanol	59	4.463	4.463	0.000	96	471804	250.0	233.3	
	36 Acrylonitrile	53	4.665	4.665	0.000	99	462115	125.0	121.4	
	37 Methyl tert-butyl ether	73	4.716	4.716	0.000	89	960579	50.0	47.7	
	38 trans-1,2-Dichloroethene	96	4.726	4.726	0.000	98	264471	50.0	46.4	
	39 Hexane	57	5.159	5.159	0.000	91	344645	50.0	47.7	
	41 1,1-Dichloroethane	63	5.400	5.400	0.000	96	448537	50.0	46.1	
	42 Isopropyl ether	45	5.454	5.454	0.000	95	846587	50.0	46.8	
	43 2-Chloro-1,3-butadiene	53	5.506	5.506	0.000	90	396378	50.0	47.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Tert-butyl ethyl ether	59	5.993	5.993	0.000	97	908047	50.0	48.1	
46 2-Butanone (MEK)	43	6.199	6.199	0.000	99	508471	100.0	99.7	
47 cis-1,2-Dichloroethene	96	6.234	6.234	0.000	81	302774	50.0	46.9	
49 2,2-Dichloropropane	77	6.256	6.256	0.000	90	475724	50.0	47.5	
50 Propionitrile	54	6.314	6.314	0.000	96	424564	250.0	241.3	
51 Methyl acrylate	55	6.324	6.324	0.000	99	451223	50.0	50.2	
53 Methacrylonitrile	67	6.510	6.510	0.000	90	434984	125.0	121.6	
54 Chlorobromomethane	128	6.568	6.568	0.000	93	154988	50.0	47.8	
55 Tetrahydrofuran	71	6.577	6.577	0.000	87	362046	250.0	240.2	
56 Chloroform	83	6.722	6.722	0.000	94	456762	50.0	47.5	
$ 57 Dibromofluoromethane (Surr)	113	6.933	6.933	0.000	93	283386	50.0	50.1	
58 1,1,1-Trichloroethane	97	6.946	6.946	0.000	98	488166	50.0	47.9	
59 Cyclohexane	56	7.043	7.043	0.000	88	552688	50.0	47.8	
61 Carbon tetrachloride	117	7.158	7.158	0.000	91	414997	50.0	48.0	
62 1,1-Dichloropropene	75	7.158	7.158	0.000	95	389017	50.0	46.6	
64 Isobutyl alcohol	41	7.341	7.341	0.000	96	316499	625.0	539.8	
$ 65 1,2-Dichloroethane-d4 (Surr)	102	7.389	7.389	0.000	84	72353	50.0	50.4	
66 Benzene	78	7.424	7.424	0.000	96	1148856	50.0	46.9	
69 1,2-Dichloroethane	62	7.498	7.498	0.000	98	345087	50.0	47.0	
70 Tert-amyl methyl ether	73	7.620	7.620	0.000	99	868452	50.0	47.8	
* 73 Fluorobenzene (IS)	96	7.826	7.826	0.000	100	1209014	50.0	50.0	
74 n-Heptane	43	7.835	7.835	0.000	89	298909	50.0	48.2	
75 n-Butanol	56	8.204	8.204	0.000	87	252397	625.0	569.8	
76 Trichloroethene	95	8.310	8.310	0.000	99	285953	50.0	46.6	
77 Ethyl acrylate	55	8.426	8.426	0.000	99	444374	50.0	50.1	
78 Methylcyclohexane	83	8.618	8.618	0.000	91	505576	50.0	47.7	
80 1,2-Dichloropropane	63	8.647	8.647	0.000	78	279131	50.0	46.8	
79 2-ethoxy-2-methyl butane	87	8.647	8.647	0.000	96	399072	50.0	47.5	
81 Methyl methacrylate	69	8.724	8.724	0.000	89	252875	50.0	49.6	
82 1,4-Dioxane	88	8.734	8.734	0.000	35	88754	625.0	567.5	
83 Dibromomethane	93	8.756	8.756	0.000	97	180266	50.0	46.9	
85 Dichlorobromomethane	83	8.987	8.987	0.000	100	326742	50.0	47.0	
86 2-Nitropropane	41	9.266	9.266	0.000	98	519911	250.0	237.3	
88 2-Chloroethyl vinyl ether	63	9.350	9.350	0.000	93	196134	50.0	49.4	
91 cis-1,3-Dichloropropene	75	9.530	9.530	0.000	97	396253	50.0	47.1	
92 4-Methyl-2-pentanone (MIBK)	43	9.706	9.706	0.000	97	1034793	100.0	103.8	
$ 94 Toluene-d8 (Surr)	98	9.834	9.834	0.000	93	1134008	50.0	50.4	
99 Toluene	92	9.911	9.911	0.000	99	698780	50.0	48.2	
124 trans-1,3-Dichloropropene	75	10.168	10.168	0.000	91	354363	50.0	48.2	
126 Ethyl methacrylate	69	10.223	10.223	0.000	89	428932	50.0	49.6	
128 1,1,2-Trichloroethane	97	10.367	10.367	0.000	90	247949	50.0	47.4	
129 Tetrachloroethene	166	10.450	10.450	0.000	97	287097	50.0	46.8	
131 1,3-Dichloropropane	76	10.534	10.534	0.000	90	401452	50.0	47.3	
133 2-Hexanone	43	10.582	10.582	0.000	97	696751	100.0	106.4	
135 Chlorodibromomethane	129	10.742	10.742	0.000	89	265023	50.0	47.7	
136 Ethylene Dibromide	107	10.852	10.852	0.000	98	264755	50.0	48.7	
* 138 Chlorobenzene-d5 (IS)	117	11.282	11.282	0.000	85	869069	50.0	50.0	
139 1-Chlorohexane	91	11.288	11.288	0.000	96	357668	50.0	47.6	
140 Chlorobenzene	112	11.307	11.307	0.000	95	747570	50.0	47.6	
141 1,1,1,2-Tetrachloroethane	131	11.387	11.387	0.000	95	304860	50.0	49.2	
142 Ethylbenzene	91	11.394	11.394	0.000	98	1453937	50.0	49.4	
143 m-Xylene & p-Xylene	106	11.509	11.509	0.000	100	1123235	100.0	99.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
144 n-Butyl acrylate	55	11.782	11.782	0.000	97	636944	50.0	53.8	
145 o-Xylene	106	11.837	11.837	0.000	96	607060	50.0	50.9	
146 Styrene	104	11.853	11.853	0.000	95	901886	50.0	51.6	
147 Bromoform	173	12.007	12.007	0.000	96	215351	50.0	50.3	
148 Isopropylbenzene	105	12.135	12.135	0.000	95	1419070	50.0	51.3	
150 Cyclohexanone	55	12.219	12.219	0.000	91	326152	624.9	621.3	
$ 151 4-Bromofluorobenzene (Surr)	95	12.276	12.276	0.000	89	444340	50.0	51.6	
152 1,1,2,2-Tetrachloroethane	83	12.379	12.379	0.000	95	520297	50.0	47.5	
153 Bromobenzene	156	12.395	12.395	0.000	96	346758	50.0	48.4	
154 trans-1,4-Dichloro-2-butene	53	12.408	12.408	0.000	88	334590	125.0	119.6	
155 1,2,3-Trichloropropane	110	12.427	12.427	0.000	85	164917	50.0	48.5	
156 N-Propylbenzene	91	12.462	12.462	0.000	98	1738228	50.0	48.9	
157 2-Chlorotoluene	126	12.539	12.539	0.000	97	360259	50.0	48.7	
158 1,3,5-Trimethylbenzene	105	12.597	12.597	0.000	93	1290885	50.0	50.1	
159 4-Chlorotoluene	126	12.633	12.633	0.000	97	343574	50.0	48.1	
160 tert-Butylbenzene	134	12.838	12.838	0.000	92	241445	50.0	50.2	
162 1,2,4-Trimethylbenzene	105	12.883	12.883	0.000	97	1332522	50.0	49.9	
163 sec-Butylbenzene	105	13.005	13.005	0.000	94	1604483	50.0	51.3	
164 1,3-Dichlorobenzene	146	13.104	13.104	0.000	98	665057	50.0	48.7	
165 4-Isopropyltoluene	119	13.111	13.111	0.000	97	1386570	50.0	51.1	
* 166 1,4-Dichlorobenzene-d4	152	13.159	13.159	0.000	95	514248	50.0	50.0	
168 1,4-Dichlorobenzene	146	13.178	13.178	0.000	95	671832	50.0	47.6	
169 1,2,3-Trimethylbenzene	105	13.188	13.188	0.000	98	1402073	50.0	49.4	
170 Benzyl chloride	91	13.255	13.255	0.000	98	987369	50.0	50.4	
171 1,3-Diethylbenzene	119	13.310	13.310	0.000	95	794535	50.0	50.5	
172 p-Diethylbenzene	119	13.380	13.380	0.000	95	836742	50.0	50.6	
173 n-Butylbenzene	92	13.403	13.403	0.000	98	662021	50.0	50.1	
174 1,2-Dichlorobenzene	146	13.438	13.438	0.000	99	717512	50.0	48.0	
175 o-diethylbenzene	119	13.454	13.454	0.000	95	675260	50.0	49.7	
177 1,2-Dibromo-3-Chloropropane	75	13.980	13.980	0.000	88	157143	50.0	48.2	
178 1,3,5-Trichlorobenzene	180	14.105	14.105	0.000	98	502988	50.0	48.9	
179 1,2,4-Trichlorobenzene	180	14.529	14.529	0.000	94	505234	50.0	48.6	
180 2-Ethylhexyl acrylate	55	14.584	14.584	0.000	81	457555	50.0	49.4	
181 Hexachlorobutadiene	225	14.612	14.612	0.000	98	175030	50.0	49.9	
182 Naphthalene	128	14.712	14.712	0.000	97	2216180	50.0	50.3	
183 1,2,3-Trichlorobenzene	180	14.856	14.856	0.000	96	513011	50.0	48.1	
184 2-Methylnaphthalene	142	15.495	15.495	0.000	92	1023912	50.0	51.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00232	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00233	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00224	Amount Added:	5.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_01048	Amount Added:	2.50	Units: uL	
MSV_CCV_OH_Sp_00021	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 25-Apr-2025 08:42:31 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X06.D

Injection Date: 22-Apr-2025 18:52:30 Instrument ID: 9137 Operator ID: knk41612

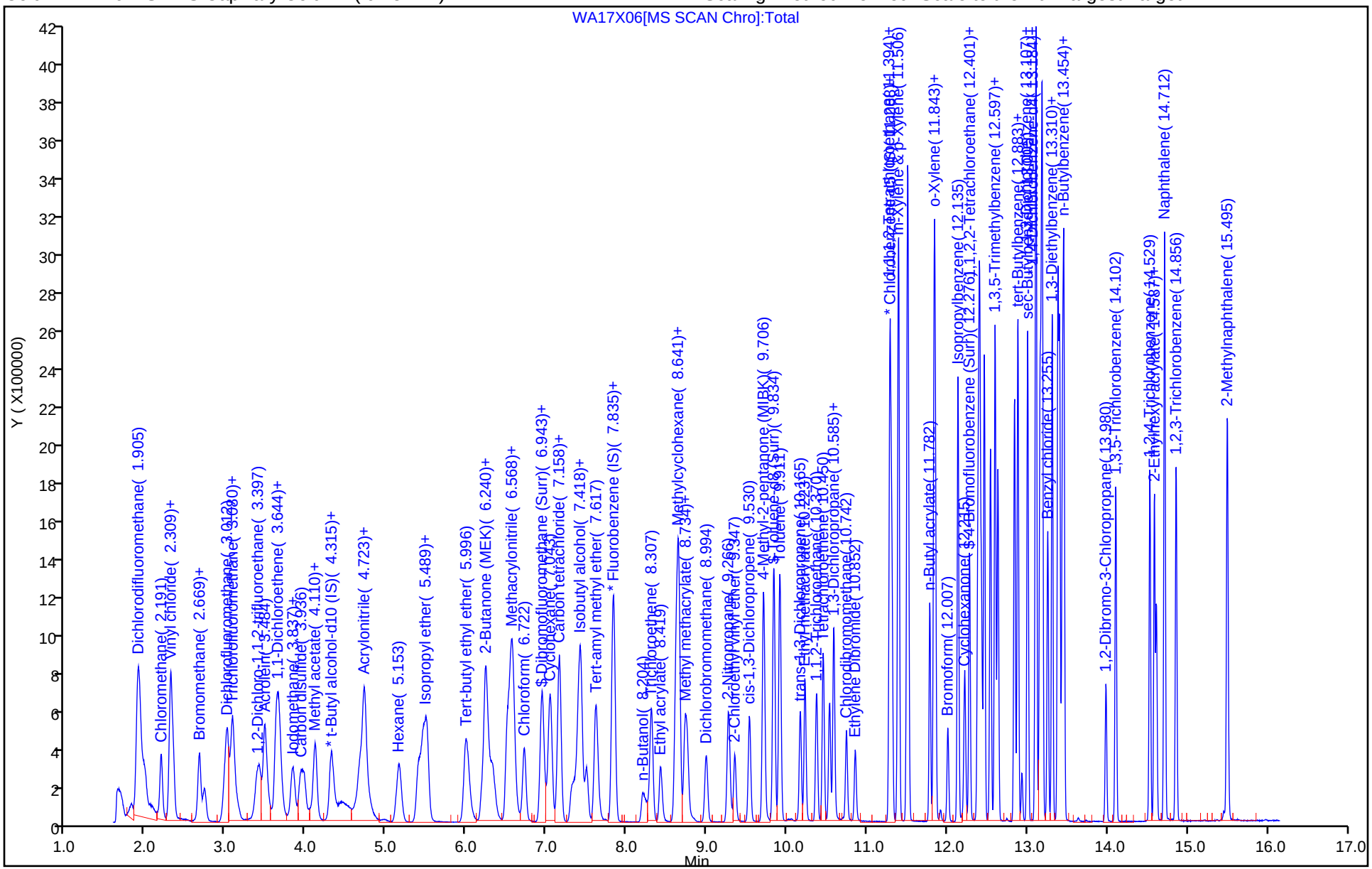
Lims ID: ICIS v50 Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: MSVoa_9137 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

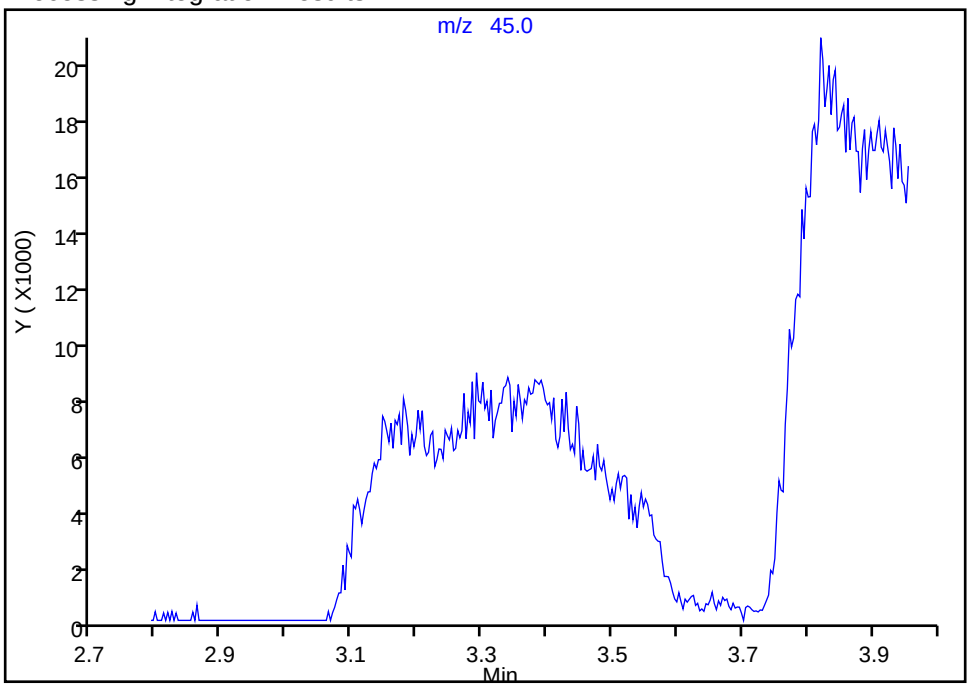
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X06.D				
Injection Date:	22-Apr-2025 18:52:30	Instrument ID:	9137		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	6	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

17 Ethanol, CAS: 64-17-5

Signal: 1

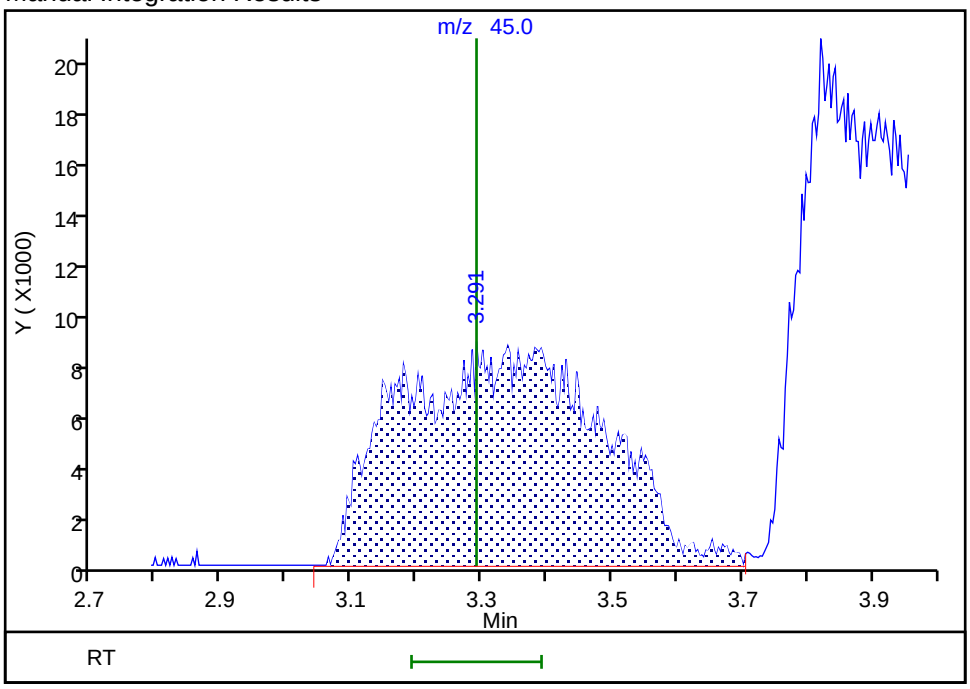
Not Detected
Expected RT: 3.29

Processing Integration Results



Manual Integration Results

RT: 3.29
Area: 187057
Amount: 1169.4736
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 08:36:51 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

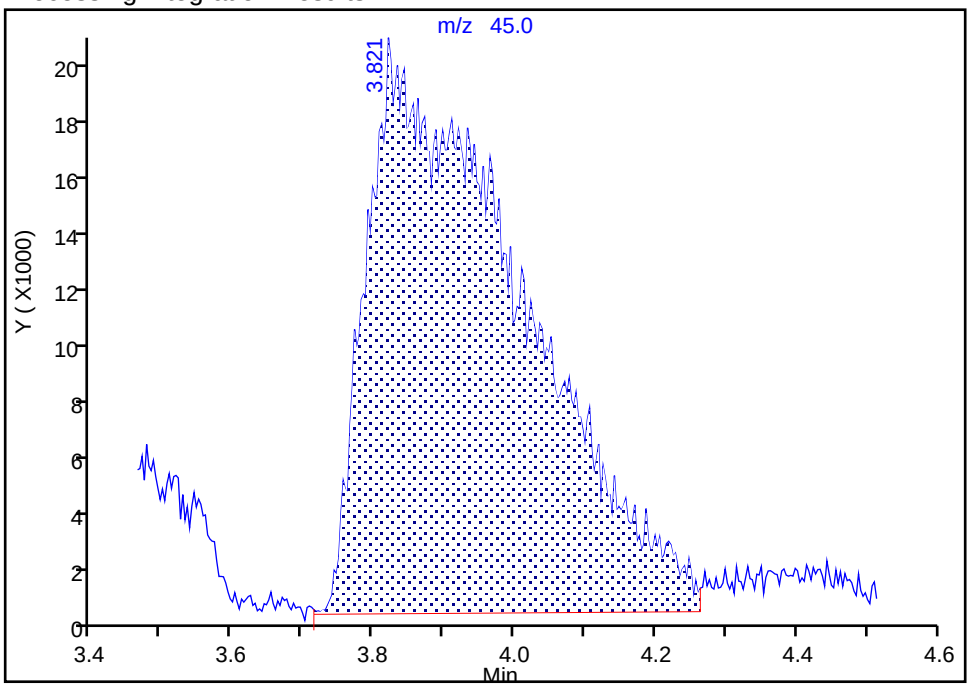
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X06.D				
Injection Date:	22-Apr-2025 18:52:30	Instrument ID:	9137		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	6	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

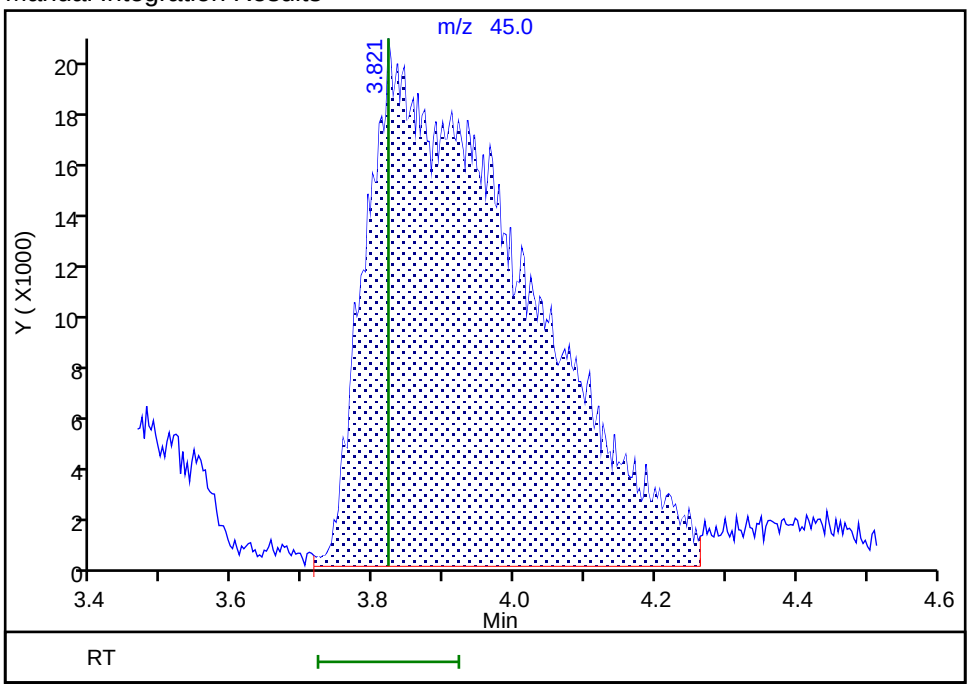
Processing Integration Results

RT: 3.82
Area: 307981
Amount: 194.1627
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Area: 316591
Amount: 198.9357
Amount Units: ug/l



Reviewer: UKEK, 25-Apr-2025 08:11:51 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\copy_WA17X07.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Apr-2025 19:14:30 ALS Bottle#: 7 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141045-017
Misc. Info.: IC V100
Operator ID: knk41612 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 25-Apr-2025 08:42:40 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: DVW2 Date: 23-Apr-2025 08:40:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	1.982	1.989	-0.007	100	1197405	100.0	104.7	
7 Chloromethane	50	2.187	2.191	-0.004	100	1206322	100.0	101.3	
9 Vinyl chloride	62	2.306	2.309	-0.003	99	1164573	100.0	100.9	
8 Butadiene	39	2.313	2.316	-0.003	93	1153595	100.0	98.5	
12 Bromomethane	94	2.666	2.669	-0.003	91	868643	100.0	104.9	
13 Chloroethane	64	2.727	2.733	-0.006	100	609102	100.0	102.2	
14 Dichlorofluoromethane	67	3.006	3.012	-0.006	98	1860085	100.0	102.9	
15 Trichlorofluoromethane	101	3.063	3.064	-0.001	99	1462571	100.0	105.8	
28 Pentane	43	3.083	3.089	-0.006	98	1099149	100.0	101.0	
17 Ethanol	45	3.388	3.291	0.097	28	363753	2500.0	2307.9	a
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.404	3.394	0.010	93	832646	100.0	103.6	
19 Acrolein	56	3.481	3.484	-0.003	99	2165734	975.8	1060.7	
20 1,1-Dichloroethene	96	3.625	3.632	-0.007	98	619428	100.0	102.3	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.654	3.654	0.000	93	805612	100.0	104.2	
21 Acetone	58	3.660	3.657	0.003	75	237784	200.0	197.8	
24 Isopropyl alcohol	45	3.853	3.821	0.032	71	655959	500.0	418.3	M
23 Iodomethane	142	3.830	3.837	-0.007	98	1273692	100.0	103.1	
25 Carbon disulfide	76	3.959	3.956	0.003	99	2392188	100.0	101.4	
27 Methyl acetate	43	4.084	4.081	0.003	97	678004	100.0	88.3	
30 3-Chloro-1-propene	41	4.110	4.116	-0.006	92	842240	100.0	101.1	
33 Methylene Chloride	84	4.315	4.315	0.000	92	669968	100.0	100.4	
* 34 t-Butyl alcohol-d10 (IS)	65	4.328	4.379	-0.051	62	470434	250.0	250.0	
35 2-Methyl-2-propanol	59	4.530	4.463	0.067	98	1014754	500.0	509.3	
36 Acrylonitrile	53	4.665	4.665	0.000	100	974624	250.0	250.5	
37 Methyl tert-butyl ether	73	4.722	4.716	0.006	91	2104351	100.0	102.2	
38 trans-1,2-Dichloroethene	96	4.726	4.726	0.000	99	582551	100.0	99.9	
39 Hexane	57	5.152	5.159	-0.007	91	792828	100.0	107.4	
41 1,1-Dichloroethane	63	5.396	5.400	-0.004	96	1009330	100.0	101.5	
42 Isopropyl ether	45	5.454	5.454	0.000	94	1901766	100.0	103.0	
43 2-Chloro-1,3-butadiene	53	5.505	5.506	-0.001	90	893038	100.0	104.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Tert-butyl ethyl ether	59	5.996	5.993	0.003	97	2000853	100.0	103.8	
S 45 1,2-Dichloroethene, Total	100				0			201.3	
46 2-Butanone (MEK)	43	6.199	6.199	0.000	100	1048139	200.0	201.2	
47 cis-1,2-Dichloroethene	96	6.234	6.234	0.000	82	669058	100.0	101.4	
49 2,2-Dichloropropane	77	6.253	6.256	-0.003	87	1067582	100.0	104.3	
50 Propionitrile	54	6.304	6.314	-0.010	97	885747	500.0	510.8	
51 Methyl acrylate	55	6.337	6.324	0.013	99	929728	100.0	101.2	
53 Methacrylonitrile	67	6.516	6.510	0.006	91	961266	250.0	262.9	
54 Chlorobromomethane	128	6.571	6.568	0.003	94	328150	100.0	99.1	
55 Tetrahydrofuran	71	6.577	6.577	0.000	87	785234	500.0	528.6	
56 Chloroform	83	6.722	6.722	0.000	94	1009475	100.0	102.8	
$ 57 Dibromofluoromethane (Surr)	113	6.937	6.933	0.004	94	288955	50.0	50.0	
58 1,1,1-Trichloroethane	97	6.949	6.946	0.003	98	1086322	100.0	104.2	
59 Cyclohexane	56	7.046	7.043	0.003	89	1254084	100.0	106.1	
61 Carbon tetrachloride	117	7.158	7.158	0.000	96	927633	100.0	105.0	
62 1,1-Dichloropropene	75	7.158	7.158	0.000	96	880065	100.0	103.2	
64 Isobutyl alcohol	41	7.331	7.341	-0.010	96	695100	1250.0	1203.2	
$ 65 1,2-Dichloroethane-d4 (Surr)	102	7.399	7.389	0.010	88	71641	50.0	48.9	
66 Benzene	78	7.428	7.424	0.004	96	2569717	100.0	102.7	
69 1,2-Dichloroethane	62	7.498	7.498	0.000	97	770520	100.0	102.6	
70 Tert-amyl methyl ether	73	7.620	7.620	0.000	99	2008901	100.0	108.3	
* 73 Fluorobenzene (IS)	96	7.832	7.826	0.006	99	1235214	50.0	50.0	
74 n-Heptane	43	7.835	7.835	0.000	91	677267	100.0	106.9	
75 n-Butanol	56	8.201	8.204	-0.003	88	569518	1250.0	1304.9	
76 Trichloroethene	95	8.307	8.310	-0.003	99	640325	100.0	102.2	
77 Ethyl acrylate	55	8.422	8.426	-0.004	99	950720	100.0	104.9	
78 Methylcyclohexane	83	8.618	8.618	0.000	92	1179346	100.0	108.8	
80 1,2-Dichloropropane	63	8.647	8.647	0.000	85	633766	100.0	103.9	
79 2-ethoxy-2-methyl butane	87	8.650	8.647	0.003	92	921366	100.0	107.3	
81 Methyl methacrylate	69	8.724	8.724	0.000	91	561571	100.0	107.7	
82 1,4-Dioxane	88	8.737	8.734	0.003	34	190302	1250.0	1234.9	
83 Dibromomethane	93	8.756	8.756	0.000	97	400573	100.0	102.0	
85 Dichlorobromomethane	83	8.994	8.987	0.007	100	738020	100.0	104.0	
86 2-Nitropropane	41	9.270	9.266	0.004	97	1183568	500.0	548.2	
88 2-Chloroethyl vinyl ether	63	9.350	9.350	0.000	93	451534	100.0	111.3	
91 cis-1,3-Dichloropropene	75	9.533	9.530	0.003	97	922147	100.0	107.3	
92 4-Methyl-2-pentanone (MIBK)	43	9.706	9.706	0.000	96	2181431	200.0	214.2	
$ 94 Toluene-d8 (Surr)	98	9.834	9.834	0.000	93	1190959	50.0	49.1	
99 Toluene	92	9.911	9.911	0.000	98	1583436	100.0	101.2	
S 120 1,3-Dichloropropene, Total	100				0			214.3	
124 trans-1,3-Dichloropropene	75	10.168	10.168	0.000	92	848637	100.0	107.0	
126 Ethyl methacrylate	69	10.226	10.223	0.003	89	1010382	100.0	108.4	
128 1,1,2-Trichloroethane	97	10.370	10.367	0.003	90	577452	100.0	102.4	
129 Tetrachloroethene	166	10.454	10.450	0.004	98	681997	100.0	102.9	
131 1,3-Dichloropropane	76	10.531	10.534	-0.003	90	940521	100.0	102.6	
133 2-Hexanone	43	10.582	10.582	0.000	96	1483057	200.0	209.8	
135 Chlorodibromomethane	129	10.742	10.742	0.000	90	637721	100.0	106.3	
136 Ethylene Dibromide	107	10.851	10.852	-0.001	99	626826	100.0	106.8	
S 137 Xylenes, Total	106				0			315.5	
* 138 Chlorobenzene-d5 (IS)	117	11.281	11.282	-0.001	85	937889	50.0	50.0	
139 1-Chlorohexane	91	11.288	11.288	0.000	96	839524	100.0	103.6	
140 Chlorobenzene	112	11.307	11.307	0.000	95	1761115	100.0	103.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
141 1,1,1,2-Tetrachloroethane	131	11.387	11.387	0.000	97	712238	100.0	106.5	
142 Ethylbenzene	91	11.394	11.394	0.000	98	3306308	100.0	104.1	
143 m-Xylene & p-Xylene	106	11.506	11.509	-0.003	100	2565033	200.0	209.8	
144 n-Butyl acrylate	55	11.782	11.782	0.000	97	1364526	100.0	106.8	
145 o-Xylene	106	11.837	11.837	0.000	96	1359028	100.0	105.7	
146 Styrene	104	11.849	11.853	-0.004	94	2020503	100.0	107.1	
147 Bromoform	173	12.007	12.007	0.000	96	491833	100.0	106.5	
148 Isopropylbenzene	105	12.135	12.135	0.000	95	3208202	100.0	107.5	
150 Cyclohexanone	55	12.218	12.219	-0.001	91	676611	1249.9	1308.0	
$ 151 4-Bromofluorobenzene (Surr)	95	12.279	12.276	0.003	89	451589	50.0	48.6	
152 1,1,2,2-Tetrachloroethane	83	12.382	12.379	0.003	95	1145735	100.0	103.8	
153 Bromobenzene	156	12.395	12.395	0.000	97	759523	100.0	105.2	
154 trans-1,4-Dichloro-2-butene	53	12.408	12.408	0.000	90	739460	250.0	262.2	
155 1,2,3-Trichloropropane	110	12.427	12.427	0.000	85	353030	100.0	103.1	
156 N-Propylbenzene	91	12.462	12.462	0.000	99	3865904	100.0	107.9	
157 2-Chlorotoluene	126	12.539	12.539	0.000	97	804872	100.0	107.9	
158 1,3,5-Trimethylbenzene	105	12.597	12.597	0.000	94	2917861	100.0	112.3	
159 4-Chlorotoluene	126	12.632	12.633	-0.001	97	758187	100.0	105.4	
160 tert-Butylbenzene	134	12.841	12.838	0.003	93	556486	100.0	114.9	
162 1,2,4-Trimethylbenzene	105	12.883	12.883	0.000	97	2976318	100.0	110.5	
163 sec-Butylbenzene	105	13.005	13.005	0.000	94	3597027	100.0	114.0	
164 1,3-Dichlorobenzene	146	13.104	13.104	0.000	98	1450029	100.0	105.2	
165 4-Isopropyltoluene	119	13.111	13.111	0.000	97	3108775	100.0	113.7	
* 166 1,4-Dichlorobenzene-d4	152	13.159	13.159	0.000	94	518439	50.0	50.0	
168 1,4-Dichlorobenzene	146	13.175	13.178	-0.003	95	1468883	100.0	103.2	
169 1,2,3-Trimethylbenzene	105	13.188	13.188	0.000	98	3164078	100.0	110.5	
170 Benzyl chloride	91	13.255	13.255	0.000	98	2204843	100.0	111.6	
171 1,3-Diethylbenzene	119	13.310	13.310	0.000	95	1773323	100.0	111.8	
172 p-Diethylbenzene	119	13.380	13.380	0.000	93	1842818	100.0	110.6	
173 n-Butylbenzene	92	13.403	13.403	0.000	97	1462915	100.0	109.8	
174 1,2-Dichlorobenzene	146	13.438	13.438	0.000	98	1551158	100.0	102.9	
175 o-diethylbenzene	119	13.457	13.454	0.003	95	1532903	100.0	112.0	
177 1,2-Dibromo-3-Chloropropane	75	13.980	13.980	0.000	88	342213	100.0	104.0	
178 1,3,5-Trichlorobenzene	180	14.105	14.105	0.000	98	1097205	100.0	105.9	
179 1,2,4-Trichlorobenzene	180	14.529	14.529	0.000	95	1102589	100.0	105.2	
180 2-Ethylhexyl acrylate	55	14.583	14.584	-0.001	80	1024602	99.9	100.5	
181 Hexachlorobutadiene	225	14.612	14.612	0.000	98	392106	100.0	110.9	
182 Naphthalene	128	14.712	14.712	0.000	97	4744742	100.0	106.9	
183 1,2,3-Trichlorobenzene	180	14.856	14.856	0.000	96	1136969	100.0	105.7	
184 2-Methylnaphthalene	142	15.495	15.495	0.000	92	2343239	100.0	117.3	
S 210 Total Diethylbenzene	1				0			334.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00232	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00233	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00224	Amount Added:	5.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_01048	Amount Added:	2.50	Units: uL	
MSV_CCV_OH_Sp_00021	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00036	Amount Added:	5.00	Units: uL	Run Reagent

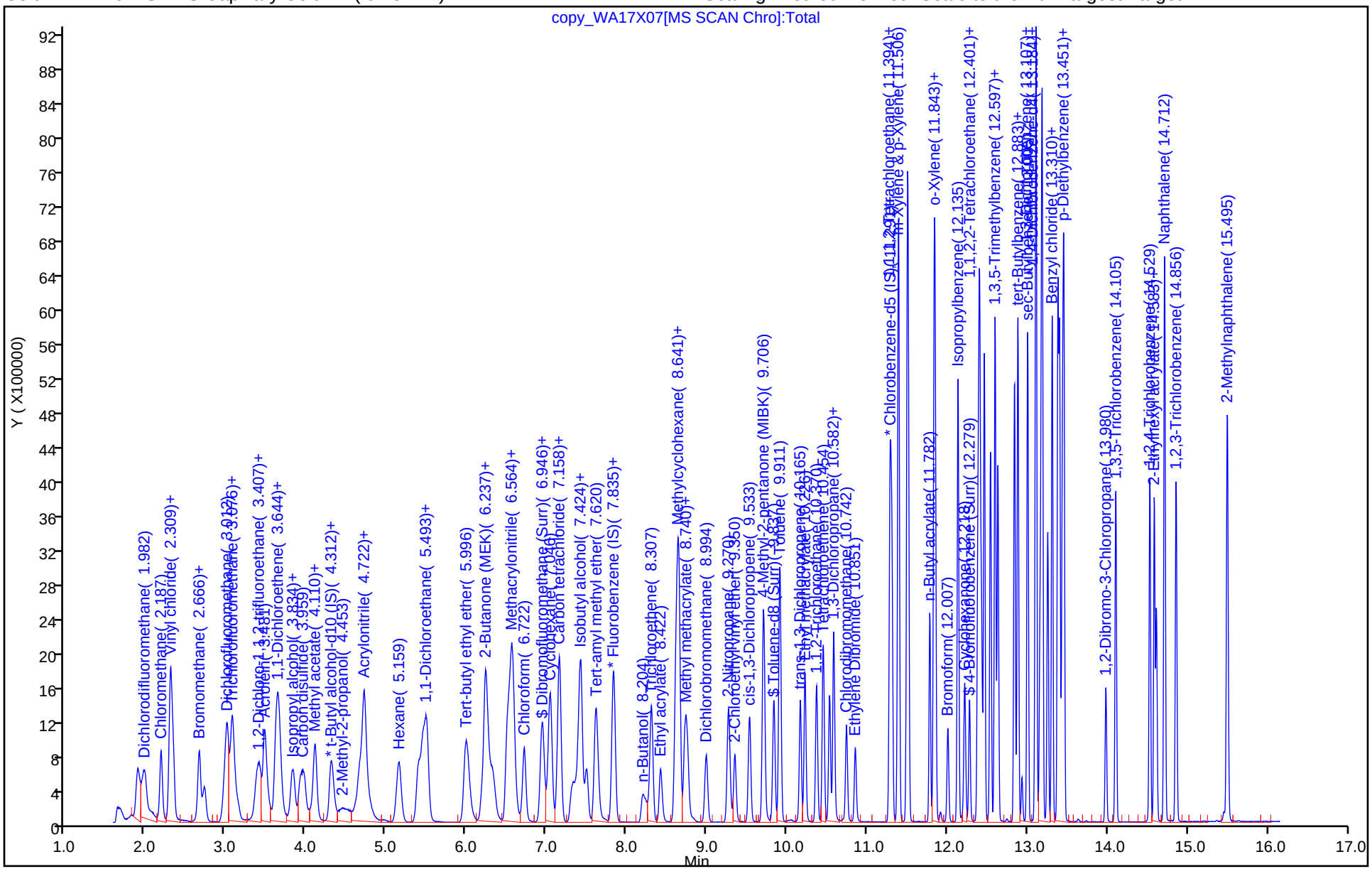
Report Date: 25-Apr-2025 08:42:41 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\copy_WA17X07.D

Injection Date:	22-Apr-2025 19:14:30	Instrument ID:	9137	Operator ID:	knk41612
Lims ID:	IC v100			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

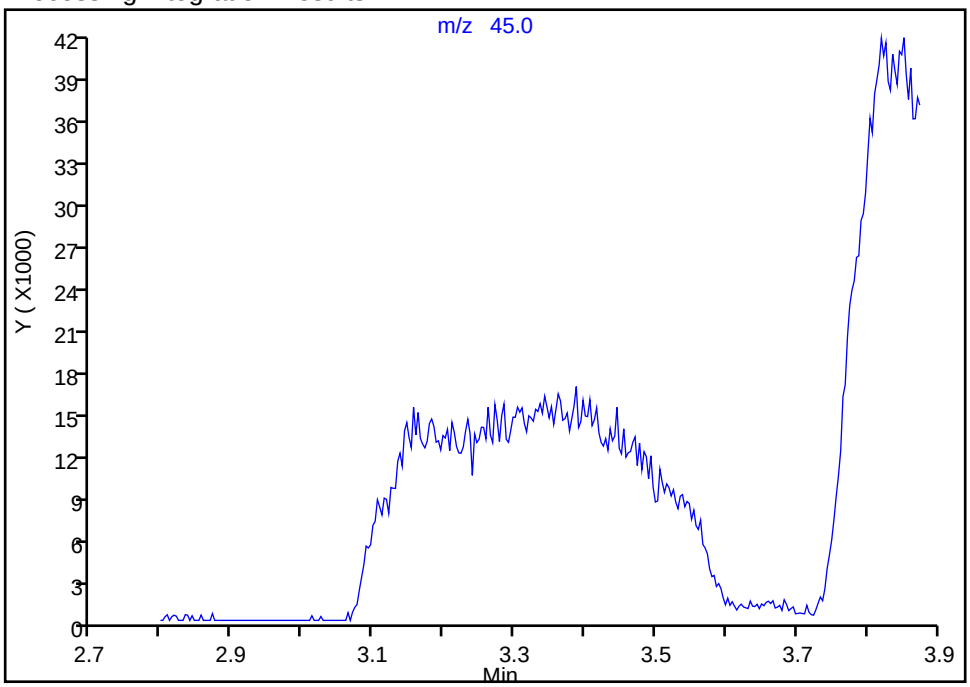
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\copy_WA17X07.D				
Injection Date:	22-Apr-2025 19:14:30	Instrument ID:	9137		
Lims ID:	IC v100				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	7	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

17 Ethanol, CAS: 64-17-5

Signal: 1

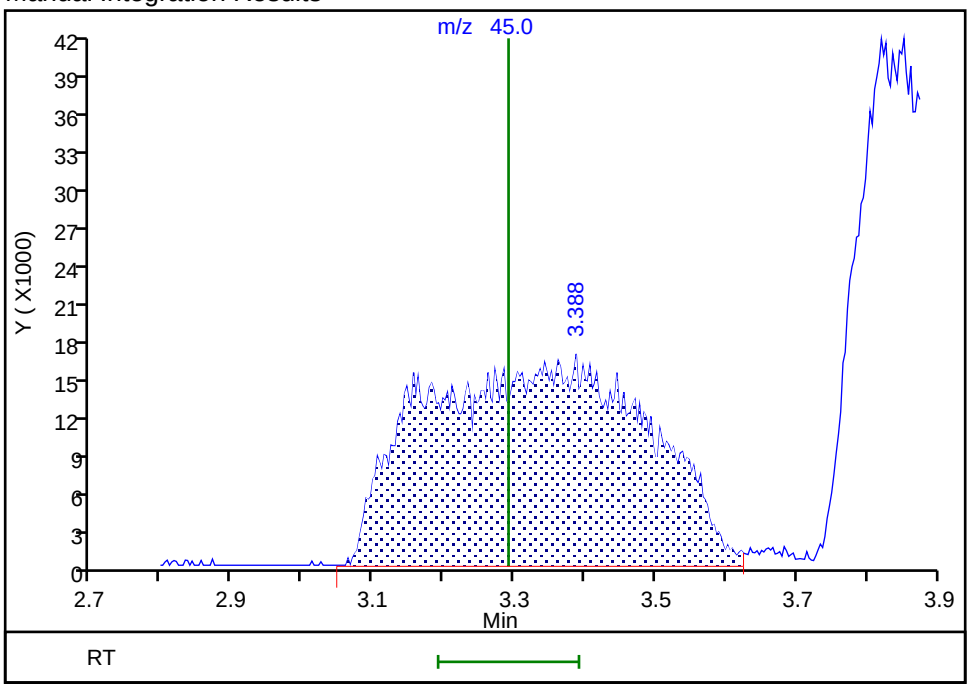
Not Detected
Expected RT: 3.29

Processing Integration Results



Manual Integration Results

RT: 3.39
Area: 363753
Amount: 2307.8892
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 08:40:09 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

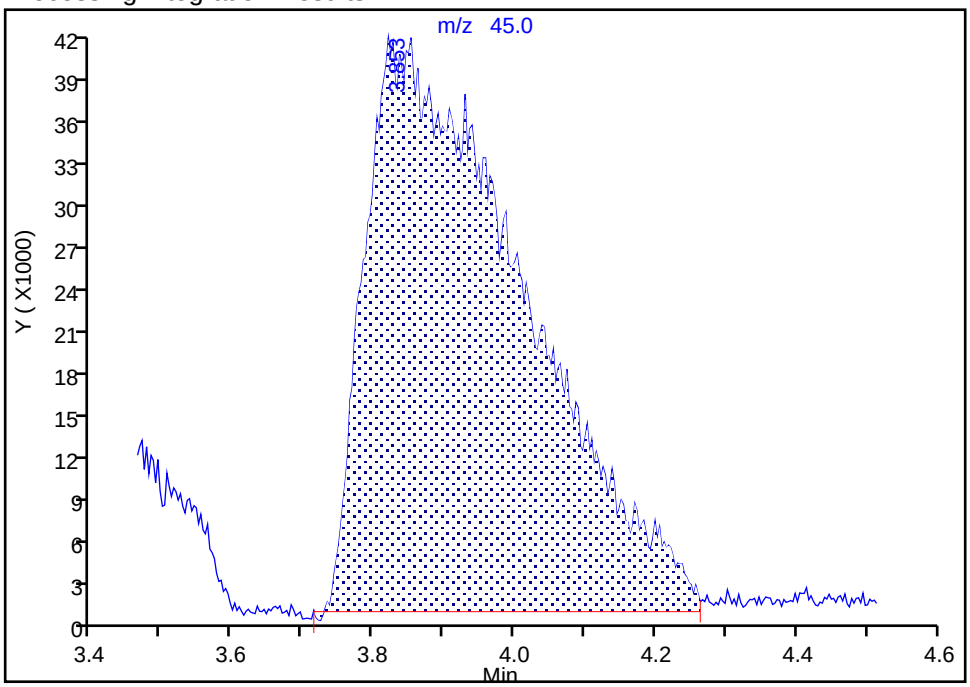
Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\copy_WA17X07.D
Injection Date: 22-Apr-2025 19:14:30 Instrument ID: 9137
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

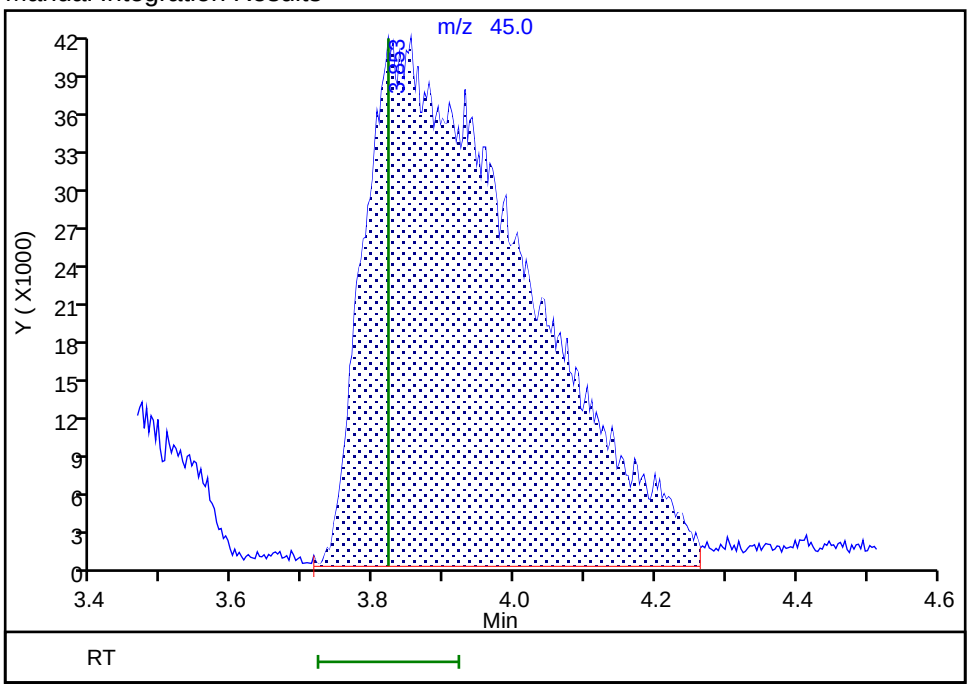
Processing Integration Results

RT: 3.85
Area: 631089
Amount: 405.6049
Amount Units: ug/l



Manual Integration Results

RT: 3.85
Area: 655959
Amount: 418.2952
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 17:30:59 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 22-Apr-2025 19:36:30 ALS Bottle#: 8 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141045-018
Misc. Info.: IC V300
Operator ID: knk41612 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 25-Apr-2025 08:42:46 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: DVW2 Date: 23-Apr-2025 08:40:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	1.982	1.989	-0.007	100	3388554	300.0	332.8	
7 Chloromethane	50	2.187	2.191	-0.004	100	3331263	300.0	314.1	
9 Vinyl chloride	62	2.306	2.309	-0.003	99	3262682	300.0	317.6	
8 Butadiene	39	2.335	2.316	0.019	93	3328174	300.0	319.1	
12 Bromomethane	94	2.662	2.669	-0.007	90	2311468	300.0	313.7	
13 Chloroethane	64	2.726	2.733	-0.007	100	1680301	300.0	316.7	
14 Dichlorofluoromethane	67	3.012	3.012	0.000	98	5226253	300.0	324.9	
15 Trichlorofluoromethane	101	3.060	3.064	-0.004	99	4223240	300.0	343.0	
28 Pentane	43	3.086	3.089	-0.003	97	3468517	300.0	358.1	
17 Ethanol	45	3.371	3.291	0.080	38	1126141	7500.0	7394.2	a
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.404	3.394	0.010	92	2374983	300.0	332.0	
19 Acrolein	56	3.477	3.484	-0.007	99	6740164	2927.4	3416.1	
20 1,1-Dichloroethene	96	3.635	3.632	0.003	98	1941212	300.0	360.0	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.660	3.654	0.006	94	2447532	300.0	355.6	
21 Acetone	58	3.657	3.657	0.000	87	739724	600.0	636.9	
24 Isopropyl alcohol	45	3.834	3.821	0.013	91	2024412	1500.0	1336.0	
23 Iodomethane	142	3.837	3.837	0.000	98	3761493	300.0	341.9	
25 Carbon disulfide	76	3.965	3.956	0.009	99	7432500	300.0	353.9	
27 Methyl acetate	43	4.077	4.081	-0.004	97	2079632	300.0	304.1	
30 3-Chloro-1-propene	41	4.109	4.116	-0.007	92	2493638	300.0	336.1	
33 Methylene Chloride	84	4.315	4.315	0.000	91	2030204	300.0	341.6	
* 34 t-Butyl alcohol-d10 (IS)	65	4.389	4.379	0.010	74	454581	250.0	250.0	
35 2-Methyl-2-propanol	59	4.507	4.463	0.044	97	3074952	1500.0	1597.1	
36 Acrylonitrile	53	4.658	4.665	-0.007	99	2929998	750.0	846.0	
37 Methyl tert-butyl ether	73	4.722	4.716	0.006	95	6168563	300.0	336.4	
38 trans-1,2-Dichloroethene	96	4.722	4.726	-0.004	99	1705479	300.0	328.7	
39 Hexane	57	5.152	5.159	-0.007	92	2277557	300.0	346.6	
41 1,1-Dichloroethane	63	5.393	5.400	-0.007	96	2927680	300.0	330.6	
42 Isopropyl ether	45	5.464	5.454	0.010	96	5633473	300.0	342.6	
43 2-Chloro-1,3-butadiene	53	5.502	5.506	-0.004	90	2630223	300.0	346.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Tert-butyl ethyl ether	59	5.996	5.993	0.003	97	6000088	300.0	349.6	
S 45 1,2-Dichloroethene, Total	100				0			652.5	
46 2-Butanone (MEK)	43	6.215	6.199	0.016	99	3260088	600.0	703.1	
47 cis-1,2-Dichloroethene	96	6.237	6.234	0.003	82	1903153	300.0	323.8	
49 2,2-Dichloropropane	77	6.259	6.256	0.003	90	3223383	300.0	353.7	
50 Propionitrile	54	6.311	6.314	-0.003	95	2753110	1500.0	1643.1	
51 Methyl acrylate	55	6.336	6.324	0.012	100	2908842	300.1	355.5	
53 Methacrylonitrile	67	6.526	6.510	0.016	91	2766599	750.0	850.0	
54 Chlorobromomethane	128	6.564	6.568	-0.004	95	888922	300.0	301.5	
55 Tetrahydrofuran	71	6.577	6.577	0.000	91	2275140	1500.0	1585.1	
56 Chloroform	83	6.718	6.722	-0.004	94	2750150	300.0	314.5	
$ 57 Dibromofluoromethane (Surr)	113	6.930	6.933	-0.003	93	247588	50.0	48.1	
58 1,1,1-Trichloroethane	97	6.949	6.946	0.003	98	3093422	300.0	333.4	
59 Cyclohexane	56	7.046	7.043	0.003	90	3747443	300.0	356.1	
61 Carbon tetrachloride	117	7.158	7.158	0.000	96	2643339	300.0	336.0	
62 1,1-Dichloropropene	75	7.161	7.158	0.003	98	2472961	300.0	325.7	
64 Isobutyl alcohol	41	7.338	7.341	-0.003	96	2081531	3750.0	3728.7	
$ 65 1,2-Dichloroethane-d4 (Surr)	102	7.399	7.389	0.010	81	64024	50.0	49.1	
66 Benzene	78	7.424	7.424	0.000	96	7113641	300.0	319.4	
69 1,2-Dichloroethane	62	7.498	7.498	0.000	98	2131883	300.0	319.0	
70 Tert-amyl methyl ether	73	7.617	7.620	-0.003	99	5887278	300.0	356.6	
* 73 Fluorobenzene (IS)	96	7.832	7.826	0.006	96	1099701	50.0	50.0	
74 n-Heptane	43	7.838	7.835	0.003	93	1891890	300.0	335.4	
75 n-Butanol	56	8.204	8.204	0.000	87	1812514	3750.0	4297.6	
76 Trichloroethene	95	8.310	8.310	0.000	100	1859641	300.0	333.5	
77 Ethyl acrylate	55	8.422	8.426	-0.004	99	3018829	300.1	374.2	
78 Methylcyclohexane	83	8.615	8.618	-0.003	96	3423845	300.0	354.9	
80 1,2-Dichloropropane	63	8.647	8.647	0.000	84	1845666	300.0	339.9	
79 2-ethoxy-2-methyl butane	87	8.653	8.647	0.006	93	2844401	300.0	372.0	
81 Methyl methacrylate	69	8.727	8.724	0.003	90	1727553	300.0	372.2	
82 1,4-Dioxane	88	8.734	8.734	0.000	33	526202	3750.0	3533.6	
83 Dibromomethane	93	8.756	8.756	0.000	97	1193205	300.0	341.4	
85 Dichlorobromomethane	83	8.993	8.987	0.006	100	2233063	300.0	353.4	
86 2-Nitropropane	41	9.273	9.266	0.007	97	3664988	1500.0	1756.8	
88 2-Chloroethyl vinyl ether	63	9.353	9.350	0.003	92	1389168	300.0	384.7	
91 cis-1,3-Dichloropropene	75	9.533	9.530	0.003	97	2859552	300.0	373.7	
92 4-Methyl-2-pentanone (MIBK)	43	9.709	9.706	0.003	96	6361261	600.0	701.7	
$ 94 Toluene-d8 (Surr)	98	9.841	9.834	0.007	93	1115066	50.0	50.1	
99 Toluene	92	9.911	9.911	0.000	98	4617505	300.0	322.0	
S 120 1,3-Dichloropropene, Total	100				0			731.0	
124 trans-1,3-Dichloropropene	75	10.168	10.168	0.000	92	2597827	300.0	357.3	
126 Ethyl methacrylate	69	10.226	10.223	0.003	89	2950592	300.0	345.2	
128 1,1,2-Trichloroethane	97	10.370	10.367	0.003	91	1651073	300.0	319.3	
129 Tetrachloroethene	166	10.454	10.450	0.004	97	1921443	300.0	316.4	
131 1,3-Dichloropropane	76	10.534	10.534	0.000	89	2771332	300.0	329.9	
133 2-Hexanone	43	10.585	10.582	0.003	96	4337386	600.0	669.5	
135 Chlorodibromomethane	129	10.746	10.742	0.004	90	1877528	300.0	341.4	
136 Ethylene Dibromide	107	10.855	10.852	0.003	99	1811531	300.0	336.6	
S 137 Xylenes, Total	106				0			936.7	
* 138 Chlorobenzene-d5 (IS)	117	11.281	11.282	-0.001	83	859729	50.0	50.0	
139 1-Chlorohexane	91	11.291	11.288	0.003	97	2374992	300.0	319.8	
140 Chlorobenzene	112	11.310	11.307	0.003	95	4983966	300.0	320.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
141 1,1,1,2-Tetrachloroethane	131	11.391	11.387	0.003	96	1981296	300.0	323.2	
142 Ethylbenzene	91	11.394	11.394	0.000	98	8981501	300.0	308.6	
143 m-Xylene & p-Xylene	106	11.509	11.509	0.000	98	6981439	600.0	623.0	
144 n-Butyl acrylate	55	11.782	11.782	0.000	97	4080675	299.9	348.4	
145 o-Xylene	106	11.837	11.837	0.000	96	3698839	300.0	313.7	
146 Styrene	104	11.853	11.853	0.000	94	5675700	300.0	328.3	
147 Bromoform	173	12.010	12.007	0.003	96	1436036	300.0	339.1	
148 Isopropylbenzene	105	12.135	12.135	0.000	96	8556416	300.0	312.7	
150 Cyclohexanone	55	12.218	12.219	-0.001	92	2016319	3749.7	4033.7	
$ 151 4-Bromofluorobenzene (Surr)	95	12.279	12.276	0.003	88	417848	50.0	49.1	
152 1,1,2,2-Tetrachloroethane	83	12.382	12.379	0.003	95	3179469	300.0	328.6	
153 Bromobenzene	156	12.398	12.395	0.003	97	2129278	300.0	336.4	
154 trans-1,4-Dichloro-2-butene	53	12.408	12.408	0.000	90	2146133	750.0	868.0	
155 1,2,3-Trichloropropane	110	12.427	12.427	0.000	85	959631	300.0	319.6	
156 N-Propylbenzene	91	12.465	12.462	0.003	98	10069876	300.0	320.6	
157 2-Chlorotoluene	126	12.543	12.539	0.003	97	2235251	300.0	341.8	
158 1,3,5-Trimethylbenzene	105	12.597	12.597	0.000	95	7923423	300.0	347.7	
159 4-Chlorotoluene	126	12.632	12.633	-0.001	97	2146540	300.0	340.3	
160 tert-Butylbenzene	134	12.841	12.838	0.003	93	1567383	300.0	369.0	
162 1,2,4-Trimethylbenzene	105	12.883	12.883	0.000	98	8019158	300.0	339.6	
163 sec-Butylbenzene	105	13.005	13.005	0.000	95	9509473	300.0	343.7	
164 1,3-Dichlorobenzene	146	13.104	13.104	0.000	97	3910068	300.0	323.7	
165 4-Isopropyltoluene	119	13.110	13.111	-0.001	96	8228786	300.0	343.4	
* 166 1,4-Dichlorobenzene-d4	152	13.159	13.159	0.000	92	454544	50.0	50.0	
168 1,4-Dichlorobenzene	146	13.178	13.178	0.000	93	3965361	300.0	317.8	
169 1,2,3-Trimethylbenzene	105	13.188	13.188	0.000	98	8506692	300.0	338.8	
170 Benzyl chloride	91	13.255	13.255	0.000	98	6279187	300.0	362.6	
171 1,3-Diethylbenzene	119	13.313	13.310	0.003	94	4803612	300.0	345.5	
172 p-Diethylbenzene	119	13.383	13.380	0.003	95	4954436	300.0	339.1	
173 n-Butylbenzene	92	13.402	13.403	-0.001	98	3994562	300.0	342.1	
174 1,2-Dichlorobenzene	146	13.438	13.438	0.000	97	4199799	300.0	317.9	
175 o-diethylbenzene	119	13.457	13.454	0.003	96	4216824	300.0	351.3	
177 1,2-Dibromo-3-Chloropropane	75	13.980	13.980	0.000	87	994779	300.0	344.9	
178 1,3,5-Trichlorobenzene	180	14.105	14.105	0.000	98	2986401	300.0	328.7	
179 1,2,4-Trichlorobenzene	180	14.529	14.529	0.000	95	3001862	300.0	326.7	
180 2-Ethylhexyl acrylate	55	14.583	14.584	-0.001	80	3372590	299.8	299.8	
181 Hexachlorobutadiene	225	14.609	14.612	-0.003	98	1094471	300.0	353.1	
182 Naphthalene	128	14.712	14.712	0.000	98	11938739	300.0	306.8	
183 1,2,3-Trichlorobenzene	180	14.856	14.856	0.000	96	3064463	300.0	325.0	
184 2-Methylnaphthalene	142	15.495	15.495	0.000	91	6299738	300.0	359.7	
S 210 Total Diethylbenzene	1				0			1035.9	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00232	Amount Added:	15.00	Units: uL	
MSV_CCV_2CEVE_00224	Amount Added:	15.00	Units: uL	
MSV_CCV_VOC#3_00233	Amount Added:	12.00	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	30.00	Units: uL	
MSV_CCV_CYC_00011	Amount Added:	30.00	Units: uL	
MSV_CCV_GASES_01048	Amount Added:	7.50	Units: uL	
MSV_CCV_OH_Sp_00021	Amount Added:	15.00	Units: uL	
MSV_Cent_ISSS_00036	Amount Added:	5.00	Units: uL	Run Reagent

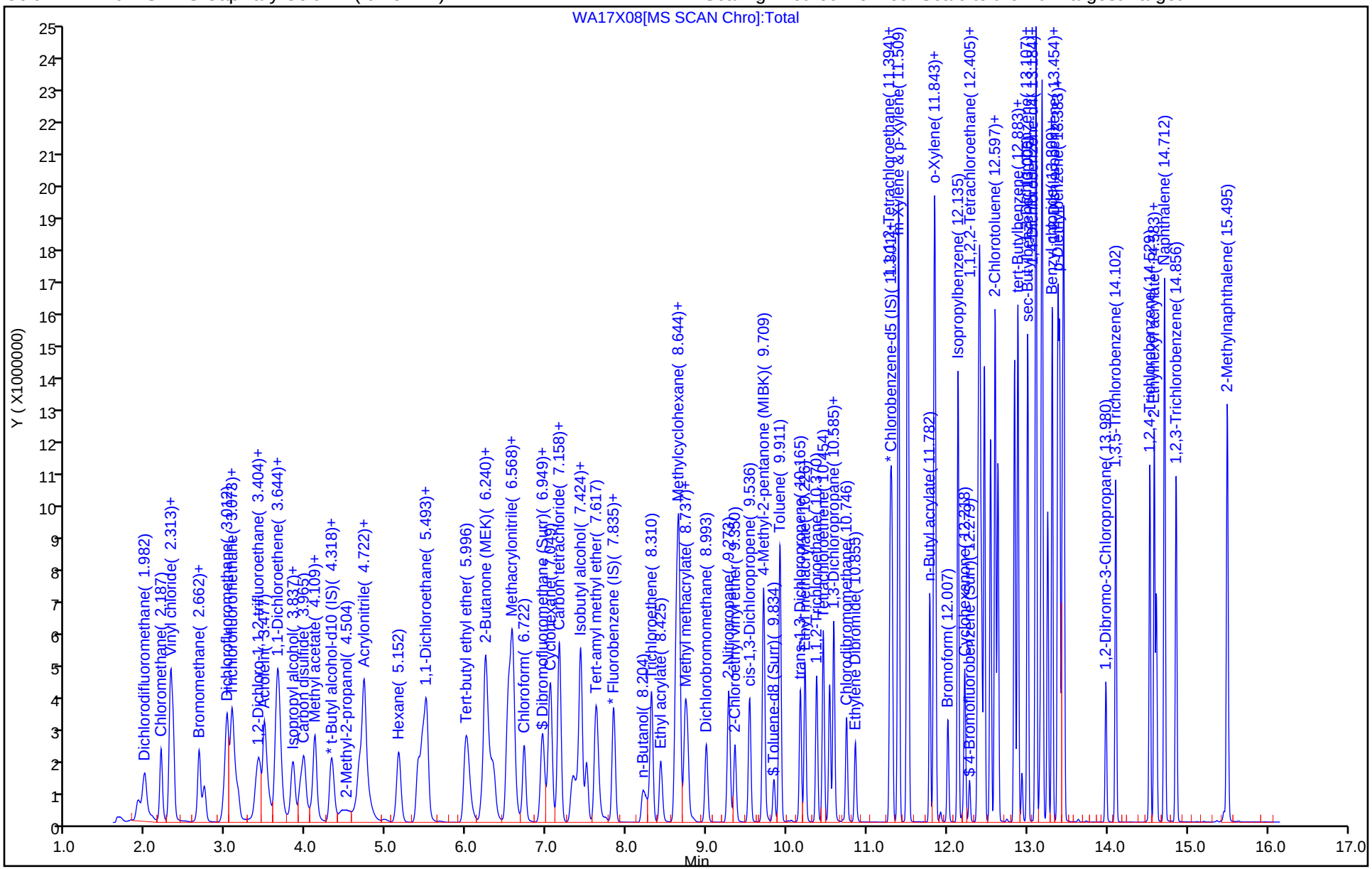
Report Date: 25-Apr-2025 08:42:47 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Injection Date:	22-Apr-2025 19:36:30	Instrument ID:	9137	Operator ID:	knk41612
Lims ID:	IC v300			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

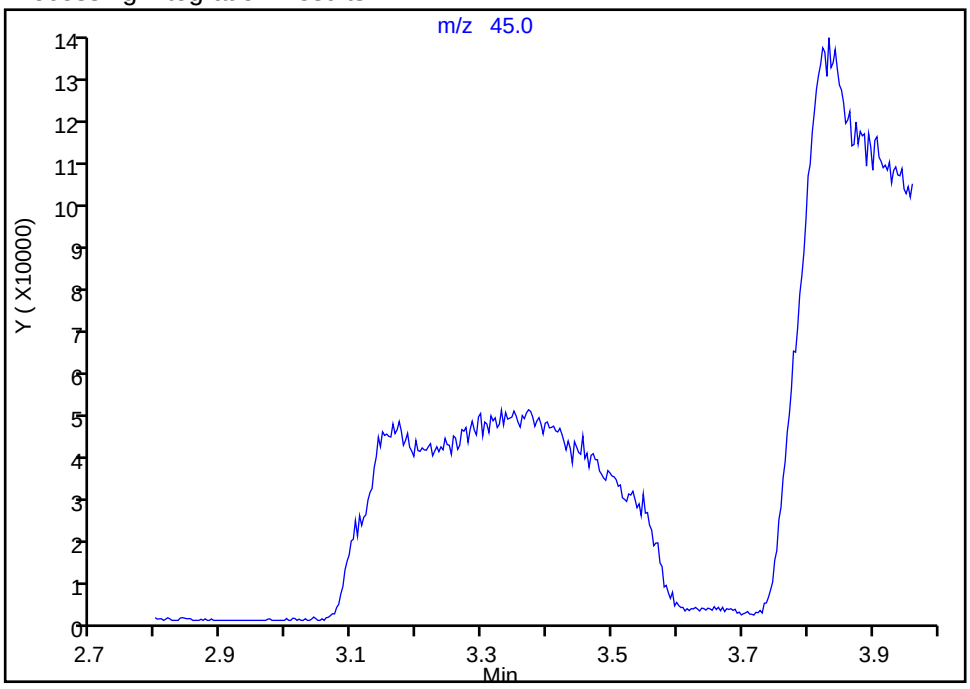
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D				
Injection Date:	22-Apr-2025 19:36:30	Instrument ID:	9137		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	8	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

17 Ethanol, CAS: 64-17-5

Signal: 1

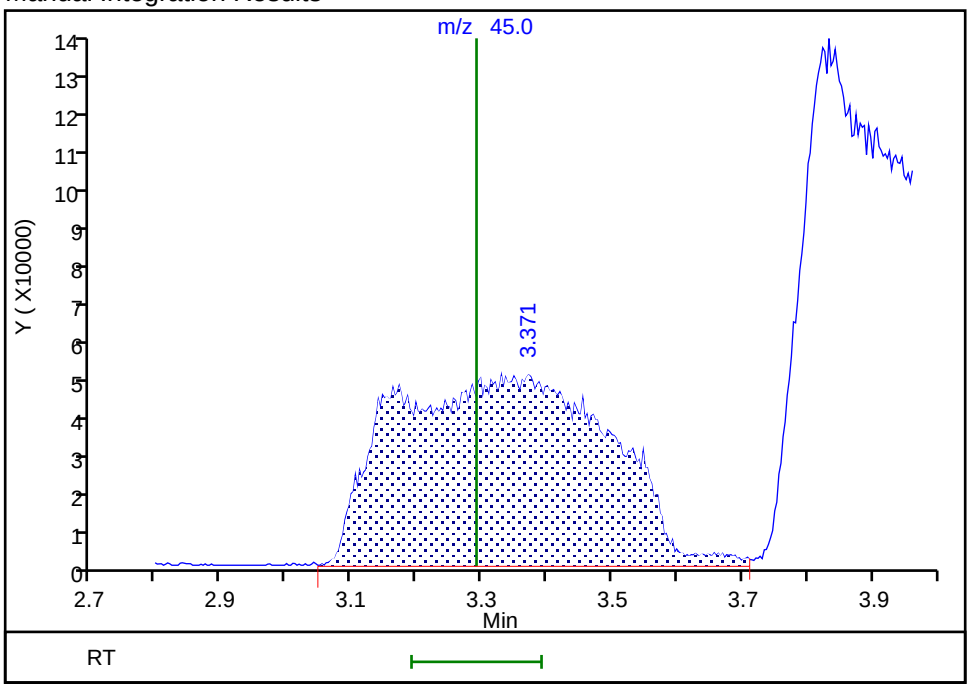
Not Detected
Expected RT: 3.29

Processing Integration Results



Manual Integration Results

RT: 3.37
Area: 1126141
Amount: 7394.1552
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 08:39:59 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

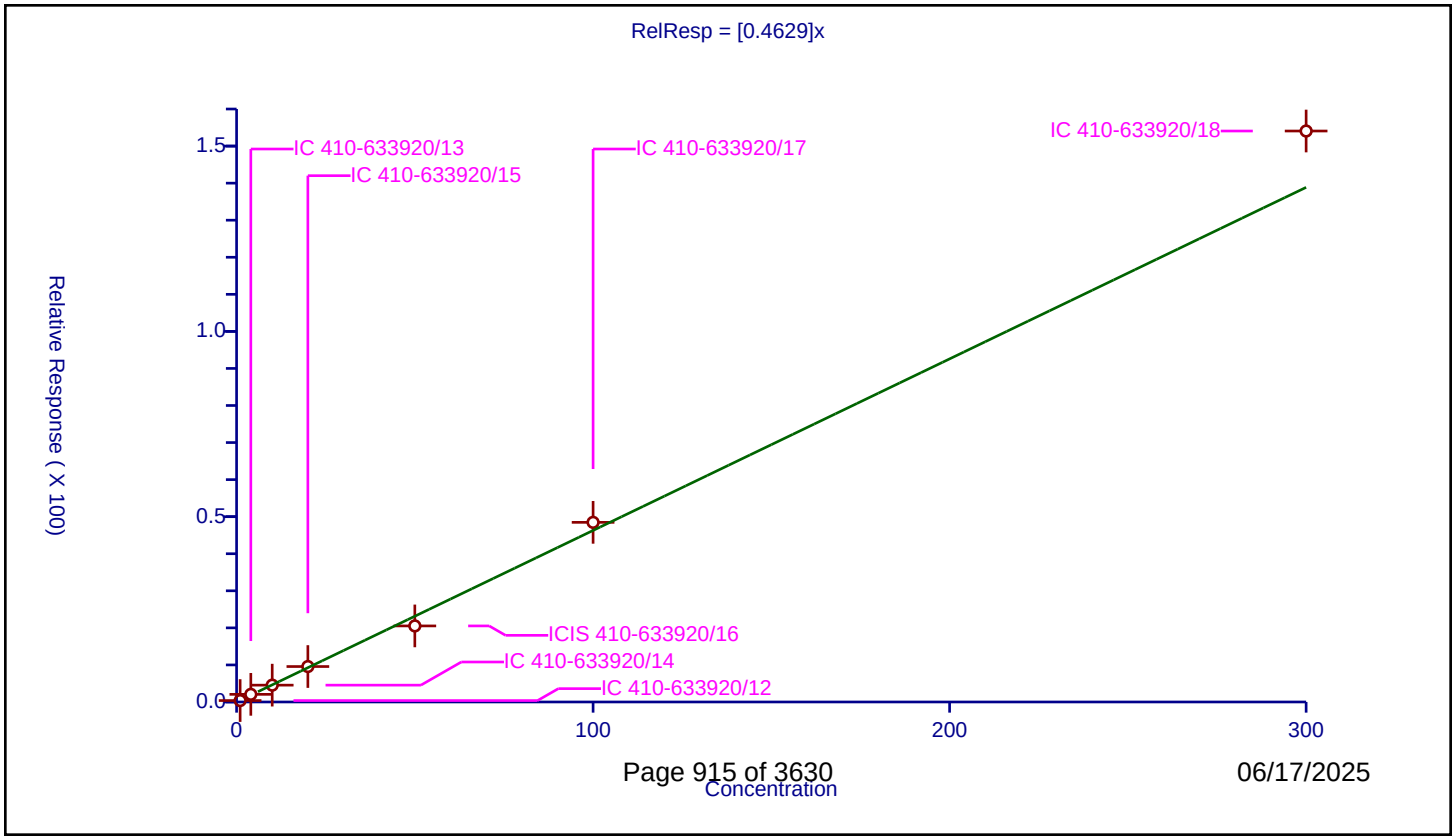
Curve Coefficients

Intercept:	0
Slope:	0.4629

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.382897	50.0	1191967.0	0.382897	Y
2	IC 410-633920/13	4.0	2.064221	50.0	1162836.0	0.516055	Y
3	IC 410-633920/14	10.0	4.542849	50.0	1132285.0	0.454285	Y
4	IC 410-633920/15	20.0	9.564584	50.0	1163370.0	0.478229	Y
5	ICIS 410-633920/16	50.0	20.521268	50.0	1209014.0	0.410425	Y
6	IC 410-633920/17	100.0	48.469536	50.0	1235214.0	0.484695	Y
7	IC 410-633920/18	300.0	154.06706	50.0	1099701.0	0.513557	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

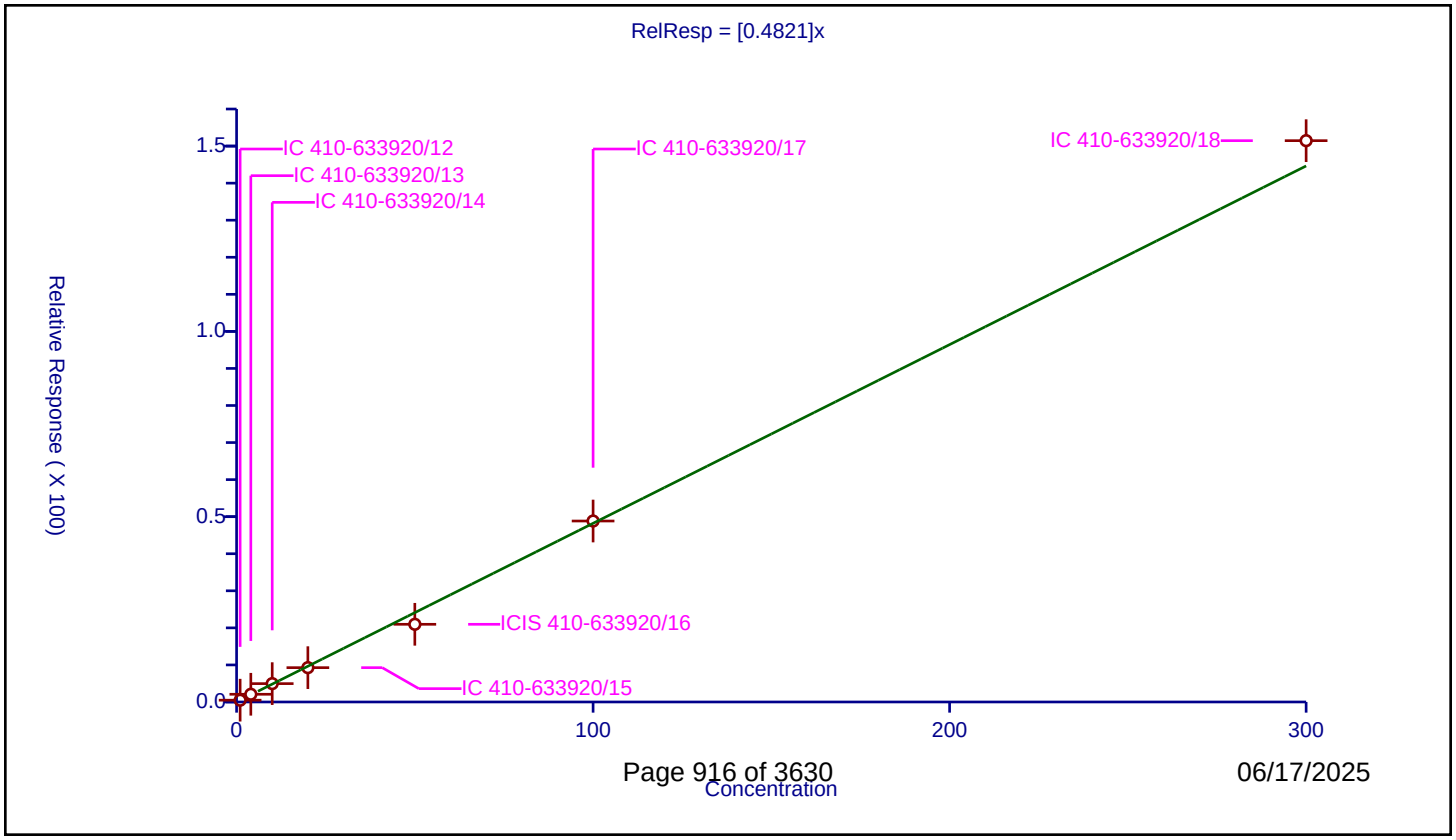
Curve Coefficients

Intercept:	0
Slope:	0.4821

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.483403	50.0	1191967.0	0.483403	Y
2	IC 410-633920/13	4.0	2.080818	50.0	1162836.0	0.520204	Y
3	IC 410-633920/14	10.0	4.956526	50.0	1132285.0	0.495653	Y
4	IC 410-633920/15	20.0	9.263519	50.0	1163370.0	0.463176	Y
5	ICIS 410-633920/16	50.0	20.967127	50.0	1209014.0	0.419343	Y
6	IC 410-633920/17	100.0	48.830486	50.0	1235214.0	0.488305	Y
7	IC 410-633920/18	300.0	151.462216	50.0	1099701.0	0.504874	Y



06/17/2025

Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

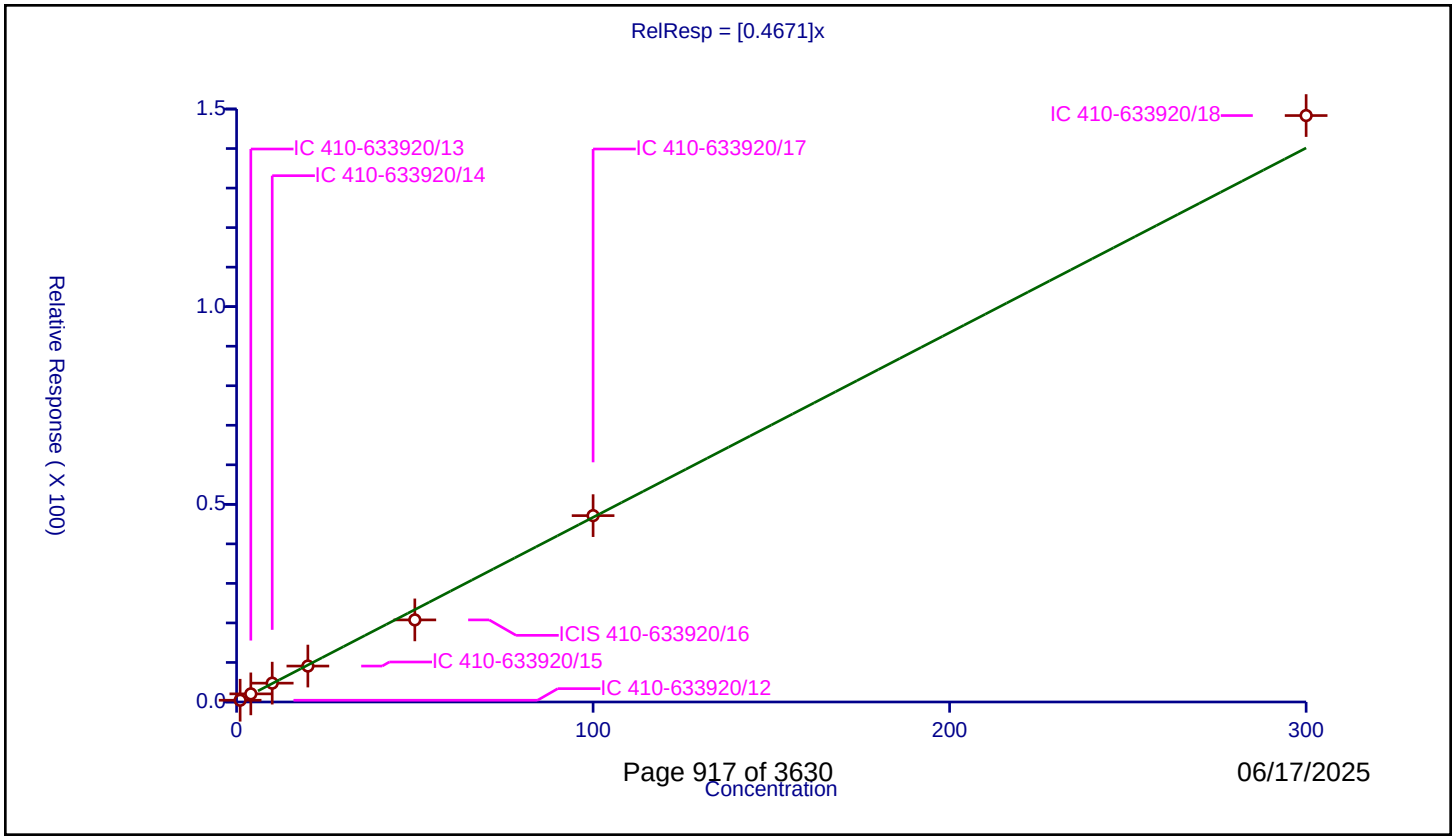
Curve Coefficients

Intercept:	0
Slope:	0.4671

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.443511	50.0	1191967.0	0.443511	Y
2	IC 410-633920/13	4.0	2.05618	50.0	1162836.0	0.514045	Y
3	IC 410-633920/14	10.0	4.767837	50.0	1132285.0	0.476784	Y
4	IC 410-633920/15	20.0	9.08808	50.0	1163370.0	0.454404	Y
5	ICIS 410-633920/16	50.0	20.768411	50.0	1209014.0	0.415368	Y
6	IC 410-633920/17	100.0	47.140536	50.0	1235214.0	0.471405	Y
7	IC 410-633920/18	300.0	148.34405	50.0	1099701.0	0.49448	Y



06/17/2025

Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

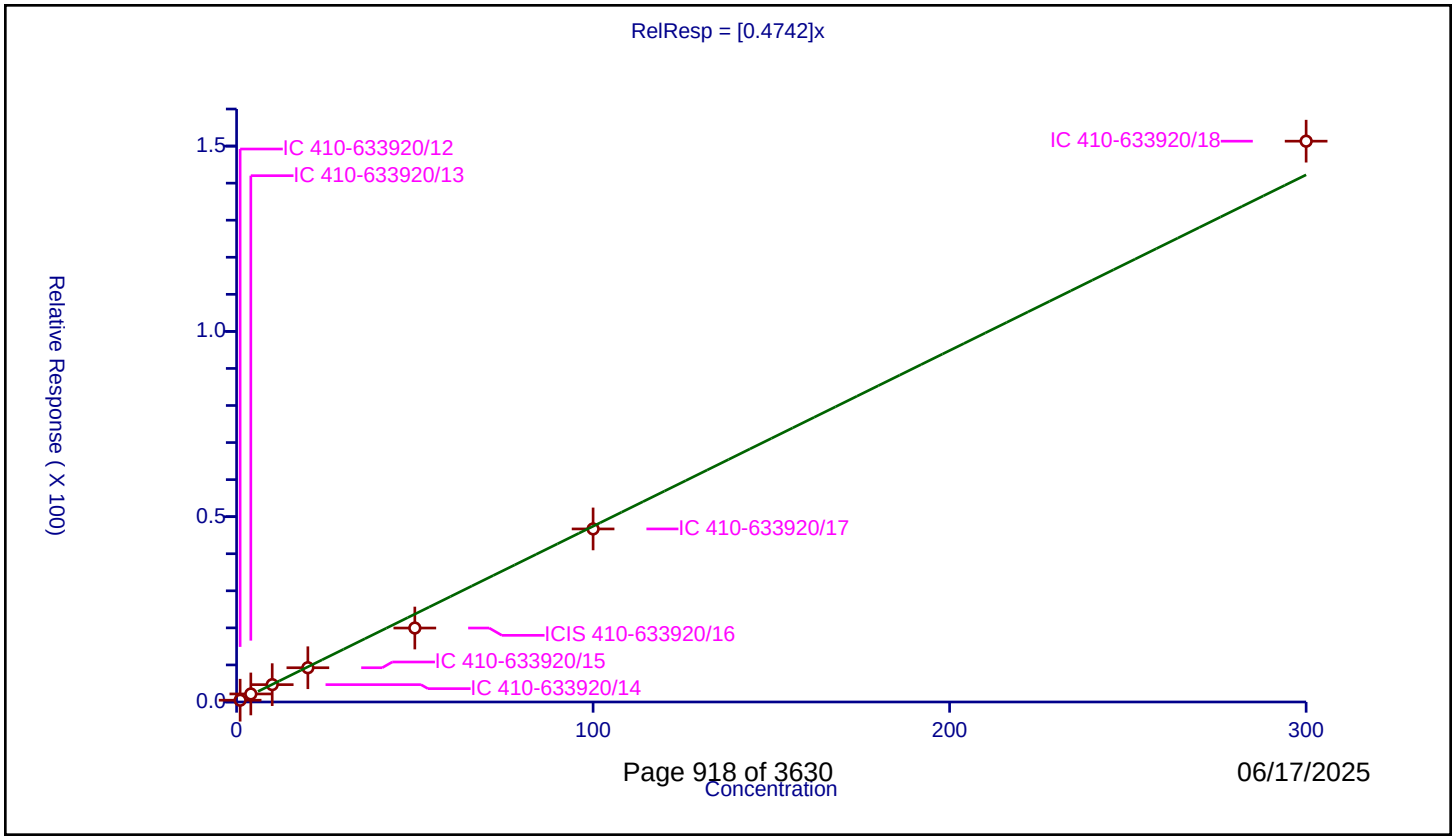
Curve Coefficients

Intercept:	0
Slope:	0.4742

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.476397	50.0	1191967.0	0.476397	Y
2	IC 410-633920/13	4.0	2.167976	50.0	1162836.0	0.541994	Y
3	IC 410-633920/14	10.0	4.681683	50.0	1132285.0	0.468168	Y
4	IC 410-633920/15	20.0	9.241084	50.0	1163370.0	0.462054	Y
5	ICIS 410-633920/16	50.0	19.953574	50.0	1209014.0	0.399071	Y
6	IC 410-633920/17	100.0	46.69616	50.0	1235214.0	0.466962	Y
7	IC 410-633920/18	300.0	151.321768	50.0	1099701.0	0.504406	Y



06/17/2025

Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

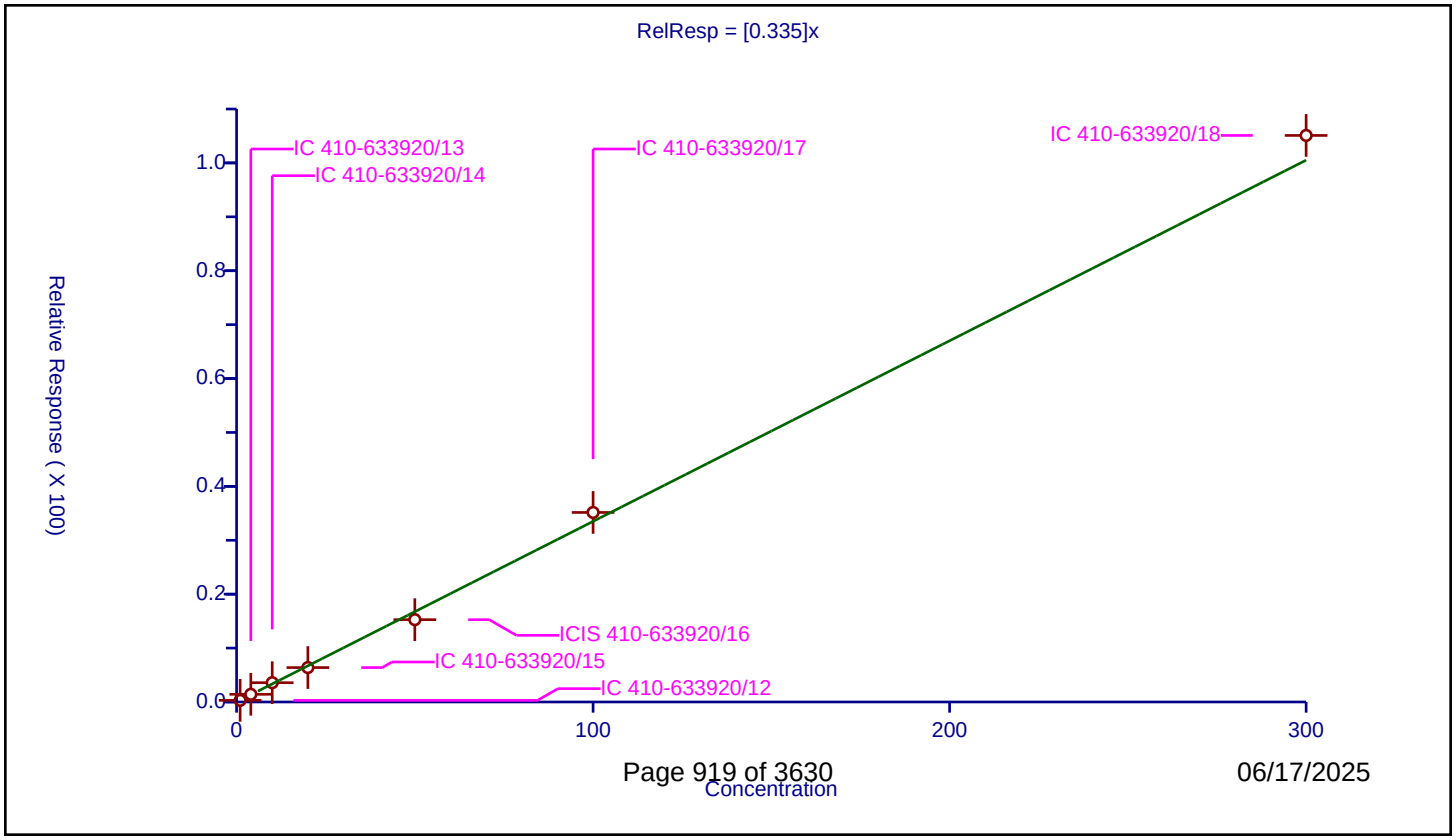
Curve Coefficients

Intercept:	0
Slope:	0.335

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.304035	50.0	1191967.0	0.304035	Y
2	IC 410-633920/13	4.0	1.427888	50.0	1162836.0	0.356972	Y
3	IC 410-633920/14	10.0	3.577677	50.0	1132285.0	0.357768	Y
4	IC 410-633920/15	20.0	6.384512	50.0	1163370.0	0.319226	Y
5	ICIS 410-633920/16	50.0	15.267772	50.0	1209014.0	0.305355	Y
6	IC 410-633920/17	100.0	35.16164	50.0	1235214.0	0.351616	Y
7	IC 410-633920/18	300.0	105.095294	50.0	1099701.0	0.350318	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

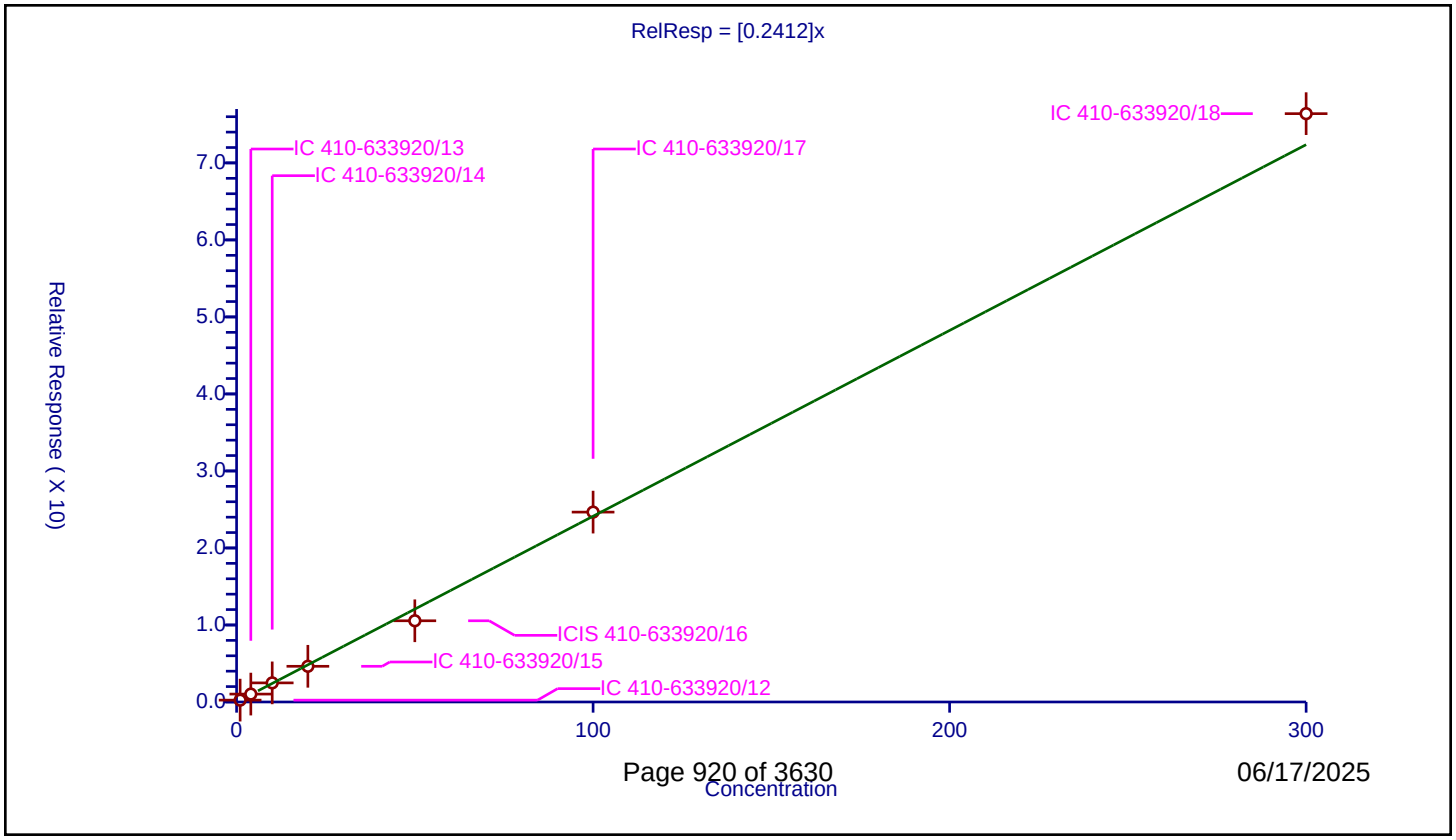
Curve Coefficients

Intercept:	0
Slope:	0.2412

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.240275	50.0	1191967.0	0.240275	Y
2	IC 410-633920/13	4.0	1.025897	50.0	1162836.0	0.256474	Y
3	IC 410-633920/14	10.0	2.479676	50.0	1132285.0	0.247968	Y
4	IC 410-633920/15	20.0	4.634897	50.0	1163370.0	0.231745	Y
5	ICIS 410-633920/16	50.0	10.546611	50.0	1209014.0	0.210932	Y
6	IC 410-633920/17	100.0	24.655728	50.0	1235214.0	0.246557	Y
7	IC 410-633920/18	300.0	76.398085	50.0	1099701.0	0.25466	Y



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Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

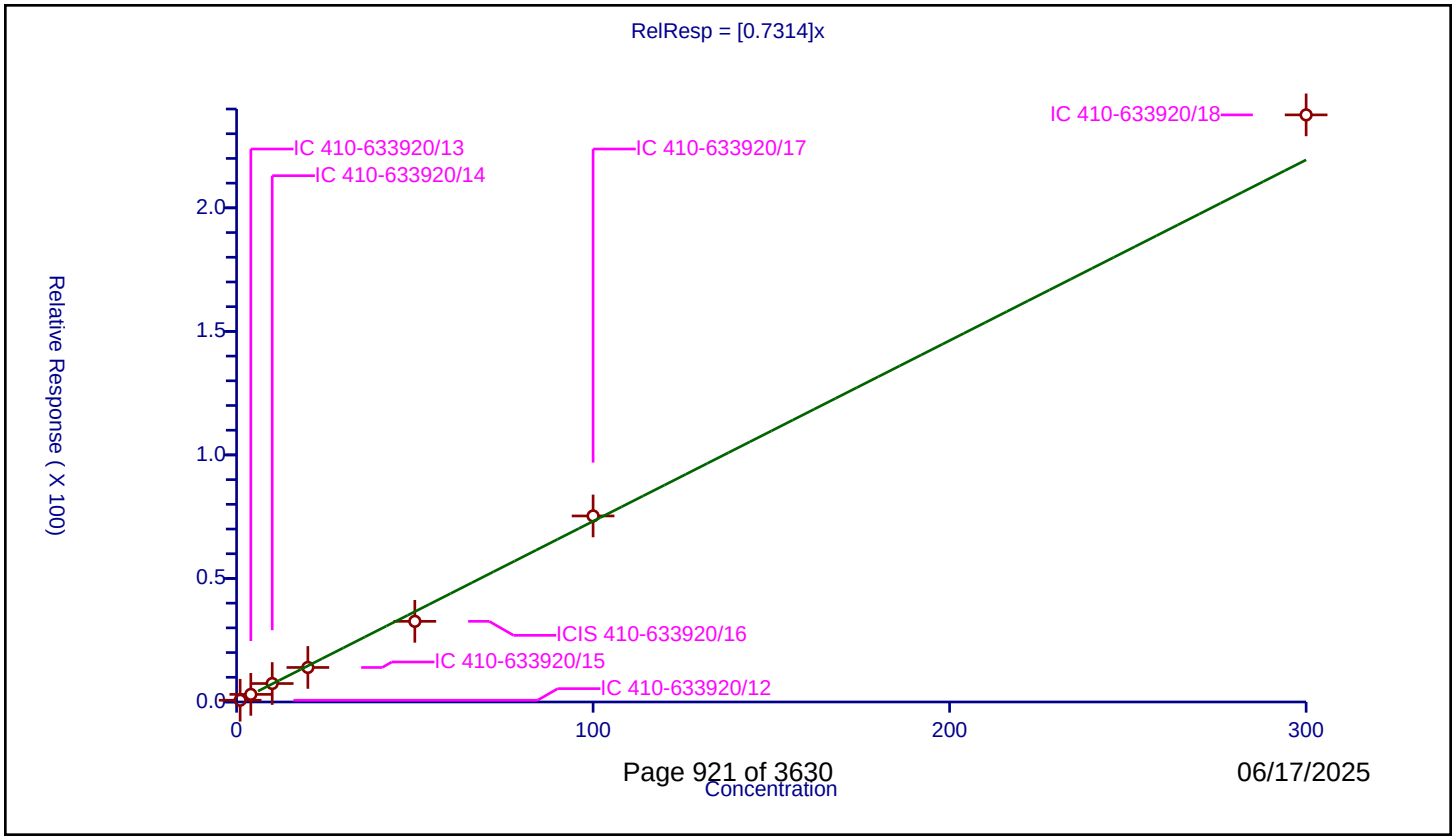
Curve Coefficients

Intercept:	0
Slope:	0.7314

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.705892	50.0	1191967.0	0.705892	Y
2	IC 410-633920/13	4.0	3.078723	50.0	1162836.0	0.769681	Y
3	IC 410-633920/14	10.0	7.477667	50.0	1132285.0	0.747767	Y
4	IC 410-633920/15	20.0	13.972812	50.0	1163370.0	0.698641	Y
5	ICIS 410-633920/16	50.0	32.640648	50.0	1209014.0	0.652813	Y
6	IC 410-633920/17	100.0	75.294038	50.0	1235214.0	0.75294	Y
7	IC 410-633920/18	300.0	237.621544	50.0	1099701.0	0.792072	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

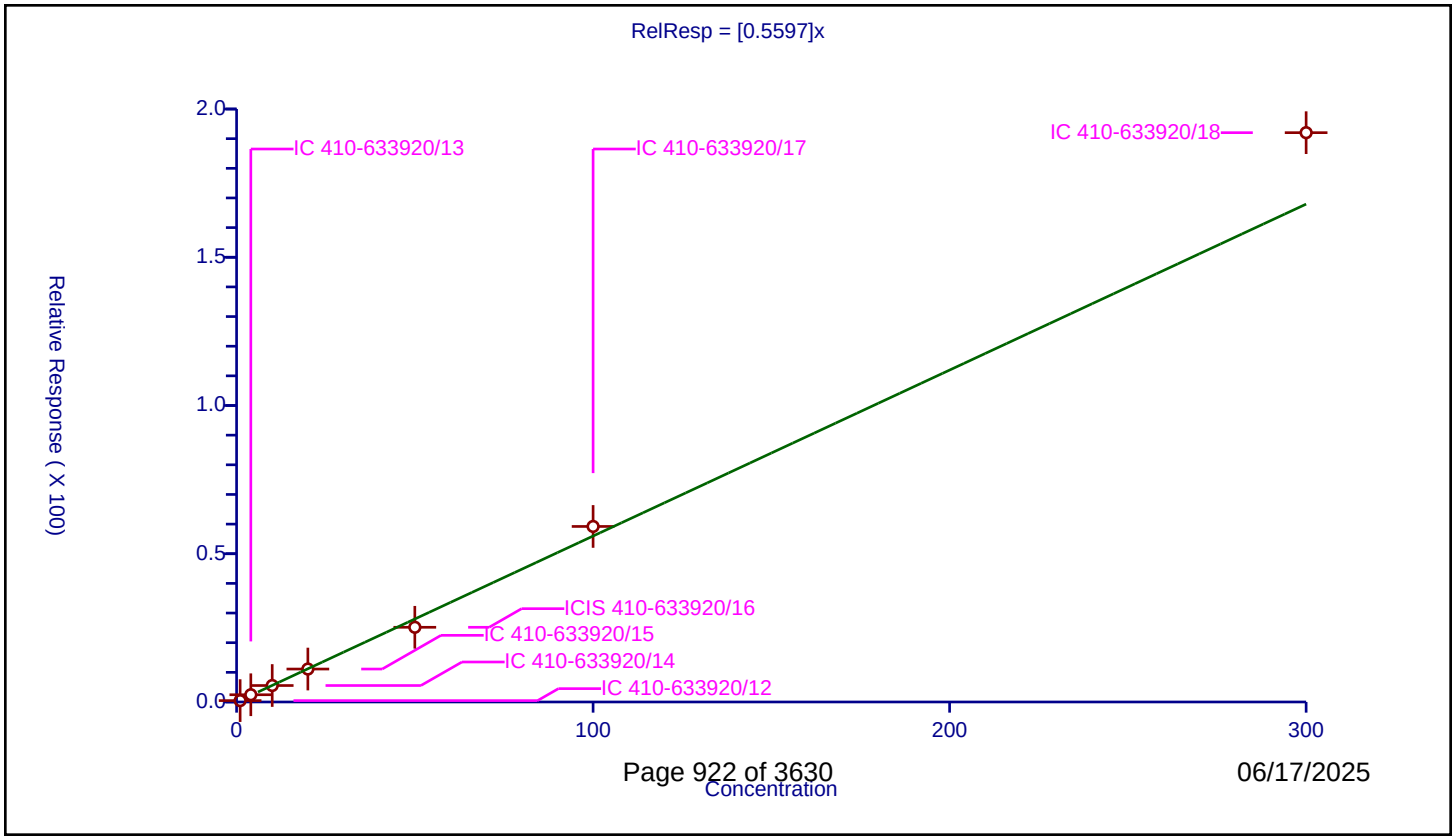
Curve Coefficients

Intercept:	0
Slope:	0.5597

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.459912	50.0	1191967.0	0.459912	Y
2	IC 410-633920/13	4.0	2.445487	50.0	1162836.0	0.611372	Y
3	IC 410-633920/14	10.0	5.552754	50.0	1132285.0	0.555275	Y
4	IC 410-633920/15	20.0	11.111641	50.0	1163370.0	0.555582	Y
5	ICIS 410-633920/16	50.0	25.200866	50.0	1209014.0	0.504017	Y
6	IC 410-633920/17	100.0	59.203142	50.0	1235214.0	0.592031	Y
7	IC 410-633920/18	300.0	192.017648	50.0	1099701.0	0.640059	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

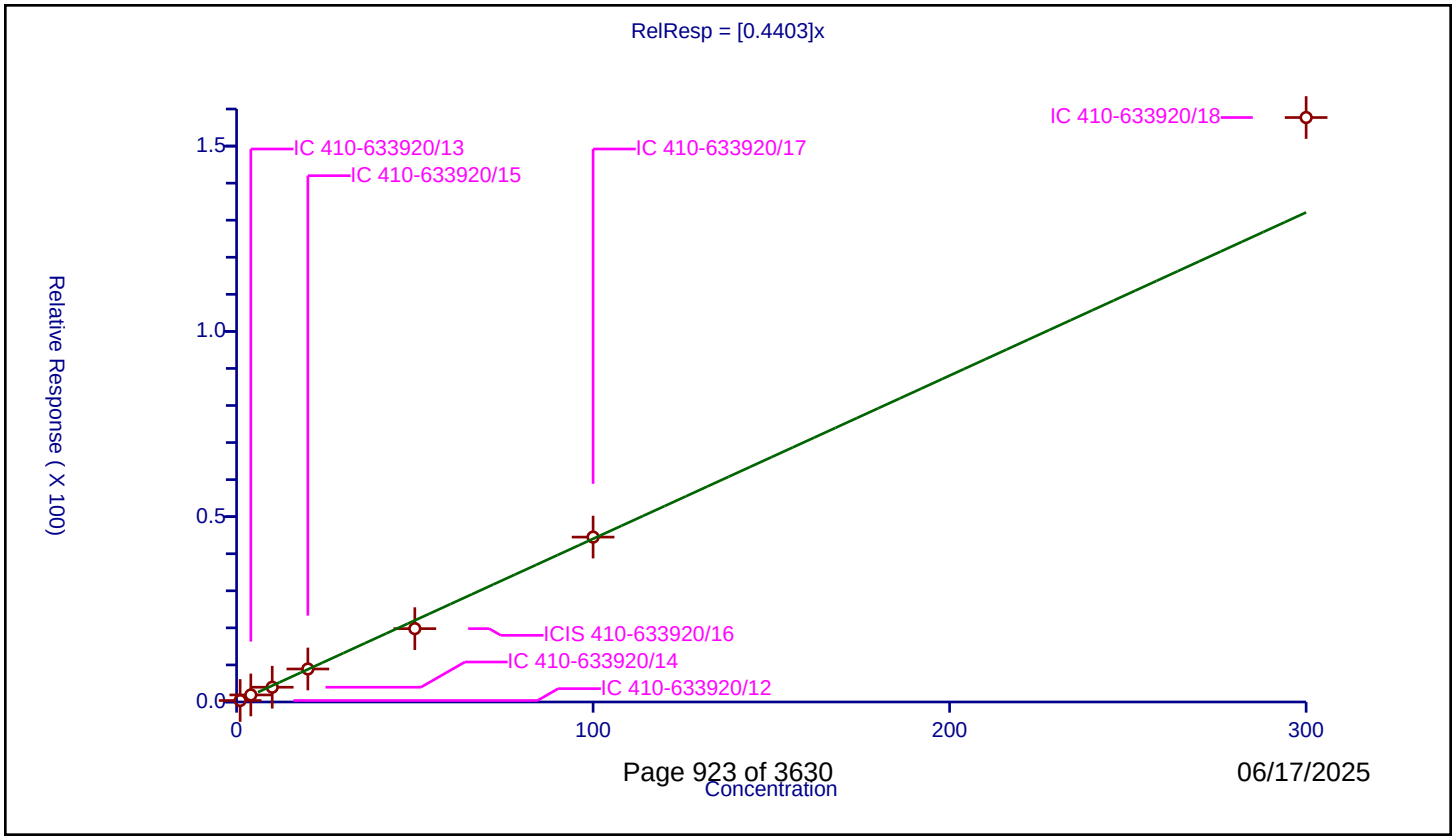
Curve Coefficients

Intercept:	0
Slope:	0.4403

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.397284	50.0	1191967.0	0.397284	Y
2	IC 410-633920/13	4.0	1.900741	50.0	1162836.0	0.475185	Y
3	IC 410-633920/14	10.0	3.98208	50.0	1132285.0	0.398208	Y
4	IC 410-633920/15	20.0	8.90598	50.0	1163370.0	0.445299	Y
5	ICIS 410-633920/16	50.0	19.788563	50.0	1209014.0	0.395771	Y
6	IC 410-633920/17	100.0	44.49225	50.0	1235214.0	0.444922	Y
7	IC 410-633920/18	300.0	157.70273	50.0	1099701.0	0.525676	Y



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Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

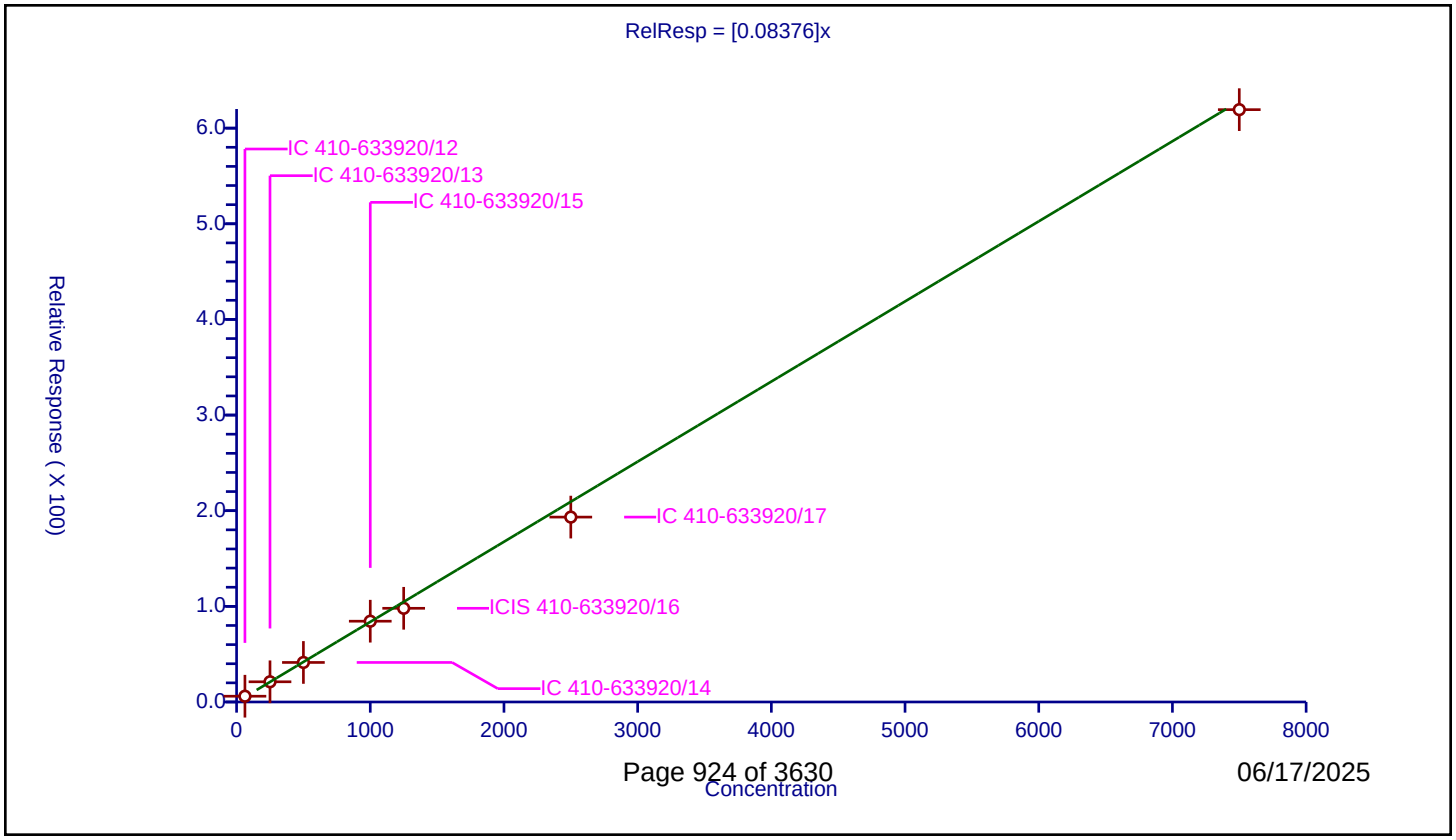
Curve Coefficients

Intercept:	0
Slope:	0.08376

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	62.50002	6.024712	250.0	464794.0	0.096395	Y
2	IC 410-633920/13	250.00008	21.125152	250.0	446482.0	0.084501	Y
3	IC 410-633920/14	500.00016	41.343842	250.0	437157.0	0.082688	Y
4	IC 410-633920/15	1000.00032	84.467976	250.0	444266.0	0.084468	Y
5	ICIS 410-633920/16	1250.0004	97.95427	250.0	477409.0	0.078363	Y
6	IC 410-633920/17	2500.0008	193.307138	250.0	470434.0	0.077323	Y
7	IC 410-633920/18	7500.0024	619.329118	250.0	454581.0	0.082577	Y



Calibration / 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

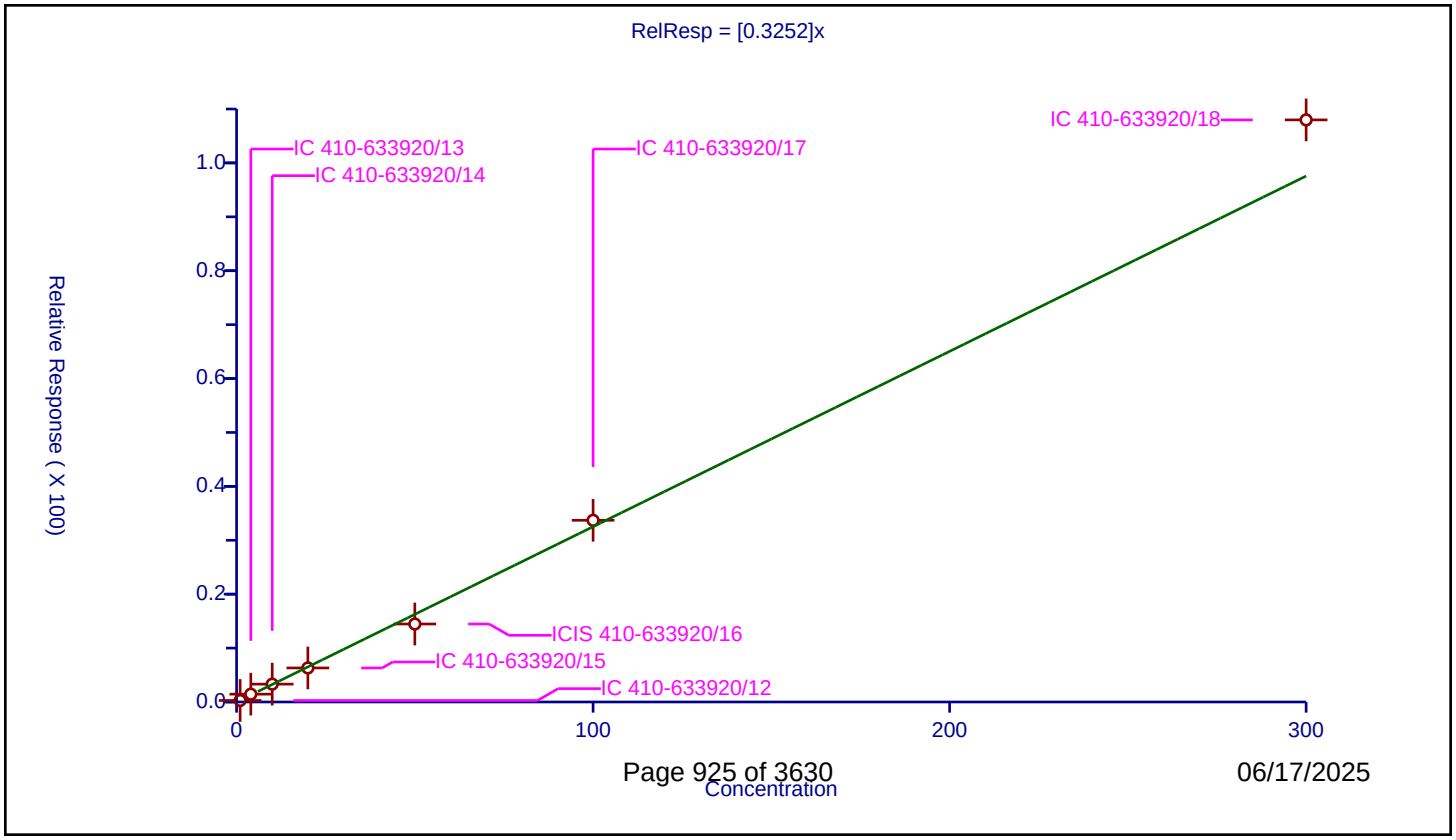
Curve Coefficients

Intercept:	0
Slope:	0.3252

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.280125	50.0	1191967.0	0.280125	Y
2	IC 410-633920/13	4.0	1.452698	50.0	1162836.0	0.363175	Y
3	IC 410-633920/14	10.0	3.311799	50.0	1132285.0	0.33118	Y
4	IC 410-633920/15	20.0	6.314156	50.0	1163370.0	0.315708	Y
5	ICIS 410-633920/16	50.0	14.468774	50.0	1209014.0	0.289375	Y
6	IC 410-633920/17	100.0	33.704524	50.0	1235214.0	0.337045	Y
7	IC 410-633920/18	300.0	107.983125	50.0	1099701.0	0.359944	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

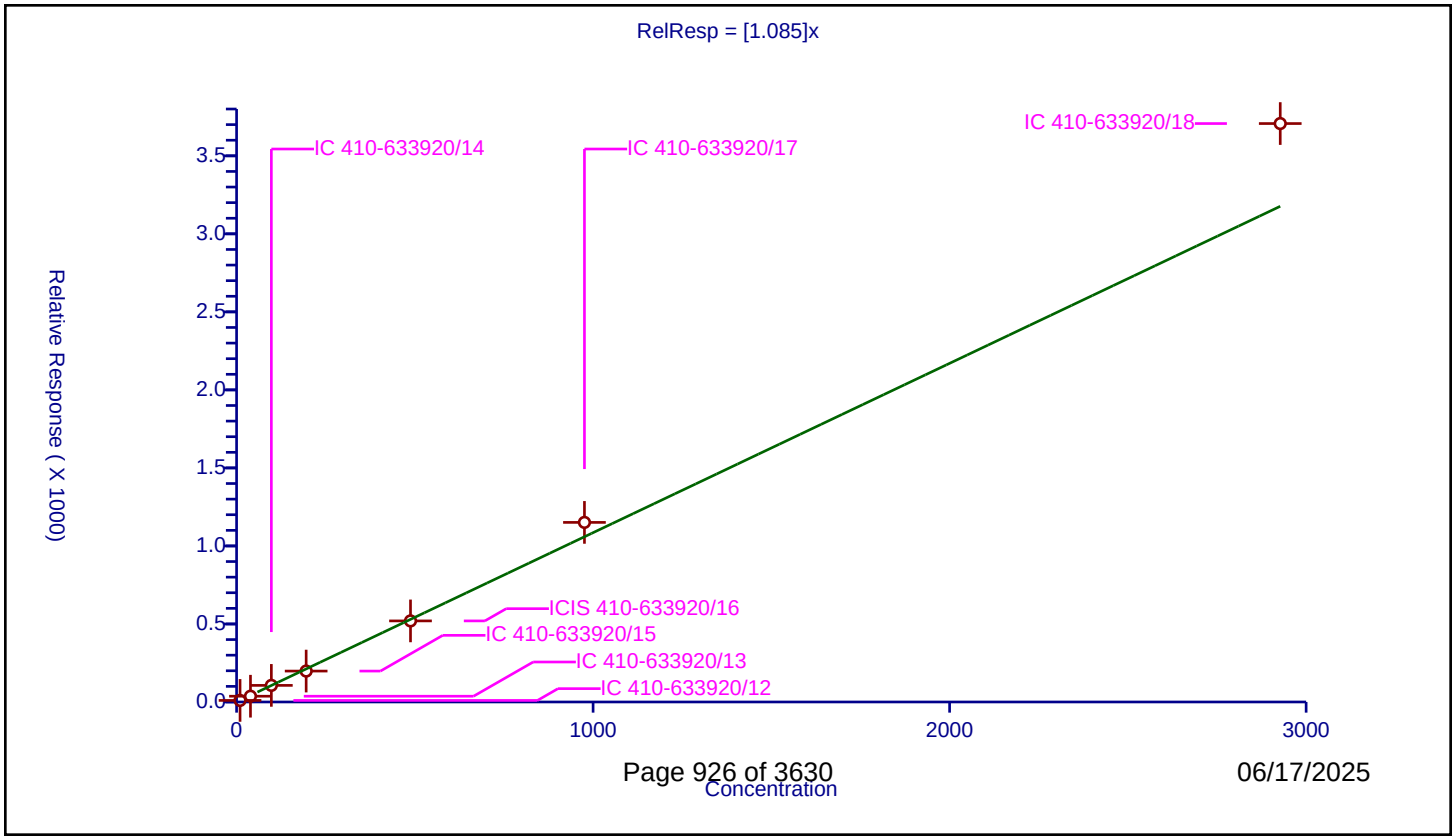
Curve Coefficients

Intercept:	0
Slope:	1.085

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	9.758146	10.057681	250.0	464794.0	1.030696	Y
2	IC 410-633920/13	39.032585	37.049646	250.0	446482.0	0.949198	Y
3	IC 410-633920/14	97.581461	106.314207	250.0	437157.0	1.089492	Y
4	IC 410-633920/15	195.162923	198.203891	250.0	444266.0	1.015582	Y
5	ICIS 410-633920/16	487.907307	519.606878	250.0	477409.0	1.06497	Y
6	IC 410-633920/17	975.814614	1150.923403	250.0	470434.0	1.179449	Y
7	IC 410-633920/18	2927.443842	3706.800328	250.0	454581.0	1.266224	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

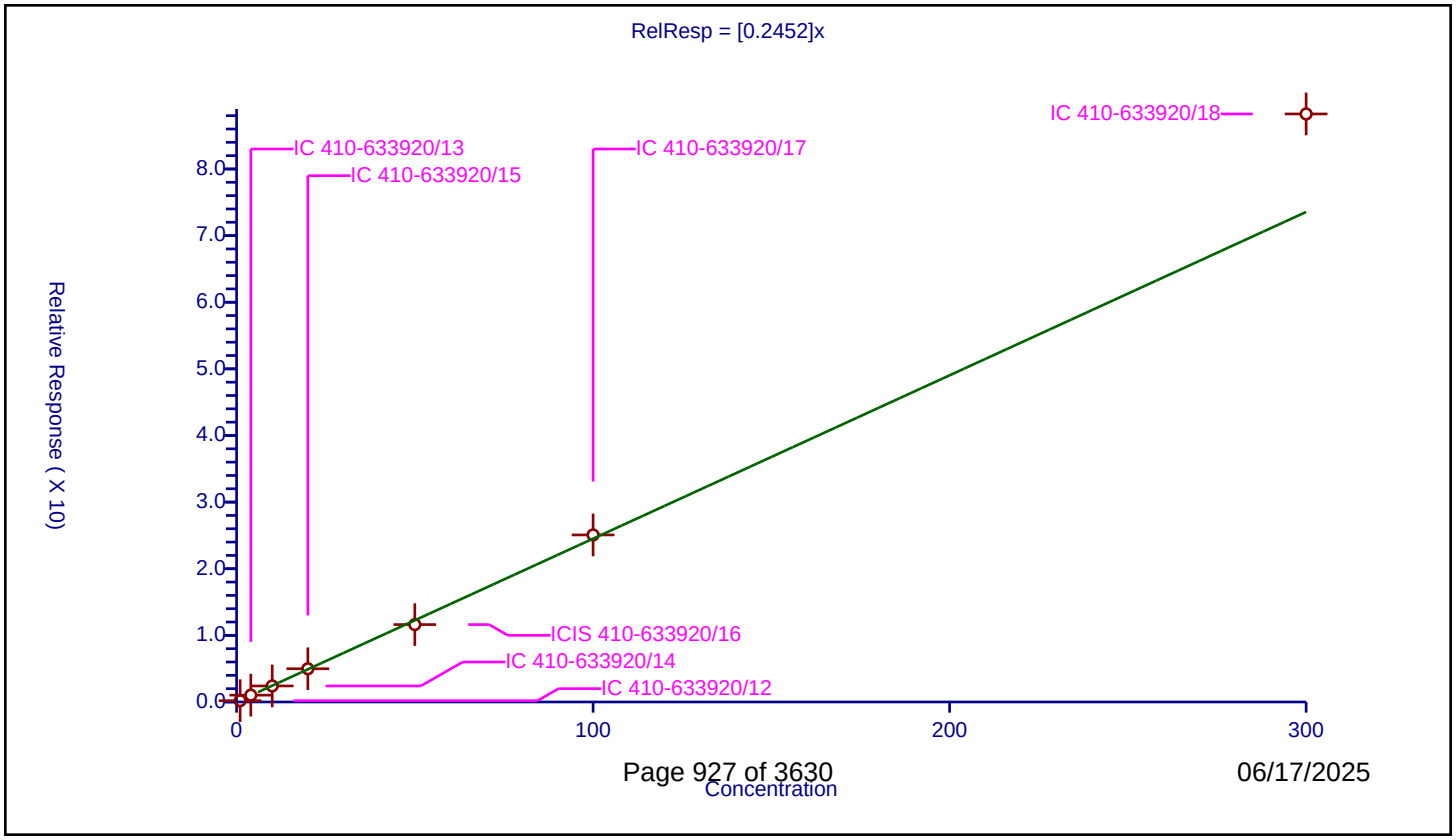
Curve Coefficients

Intercept:	0
Slope:	0.2452

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.192413	50.0	1191967.0	0.192413	Y
2	IC 410-633920/13	4.0	1.025682	50.0	1162836.0	0.256421	Y
3	IC 410-633920/14	10.0	2.406152	50.0	1132285.0	0.240615	Y
4	IC 410-633920/15	20.0	4.987708	50.0	1163370.0	0.249385	Y
5	ICIS 410-633920/16	50.0	11.615498	50.0	1209014.0	0.23231	Y
6	IC 410-633920/17	100.0	25.073712	50.0	1235214.0	0.250737	Y
7	IC 410-633920/18	300.0	88.2609	50.0	1099701.0	0.294203	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

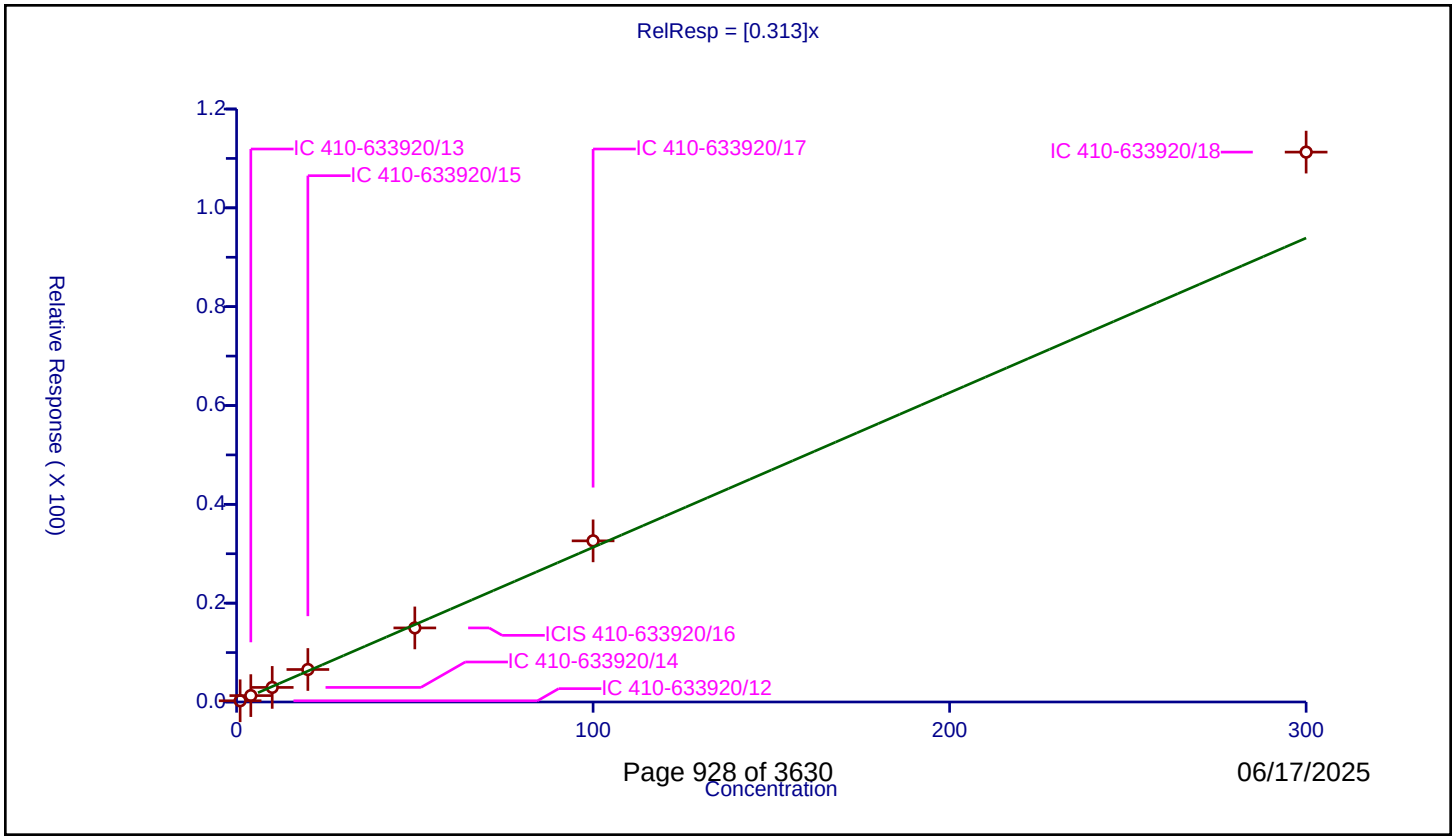
Curve Coefficients

Intercept:	0
Slope:	0.313

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.247784	50.0	1191967.0	0.247784	Y
2	IC 410-633920/13	4.0	1.289778	50.0	1162836.0	0.322444	Y
3	IC 410-633920/14	10.0	2.950406	50.0	1132285.0	0.295041	Y
4	IC 410-633920/15	20.0	6.57495	50.0	1163370.0	0.328748	Y
5	ICIS 410-633920/16	50.0	14.989942	50.0	1209014.0	0.299799	Y
6	IC 410-633920/17	100.0	32.61022	50.0	1235214.0	0.326102	Y
7	IC 410-633920/18	300.0	111.281703	50.0	1099701.0	0.370939	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

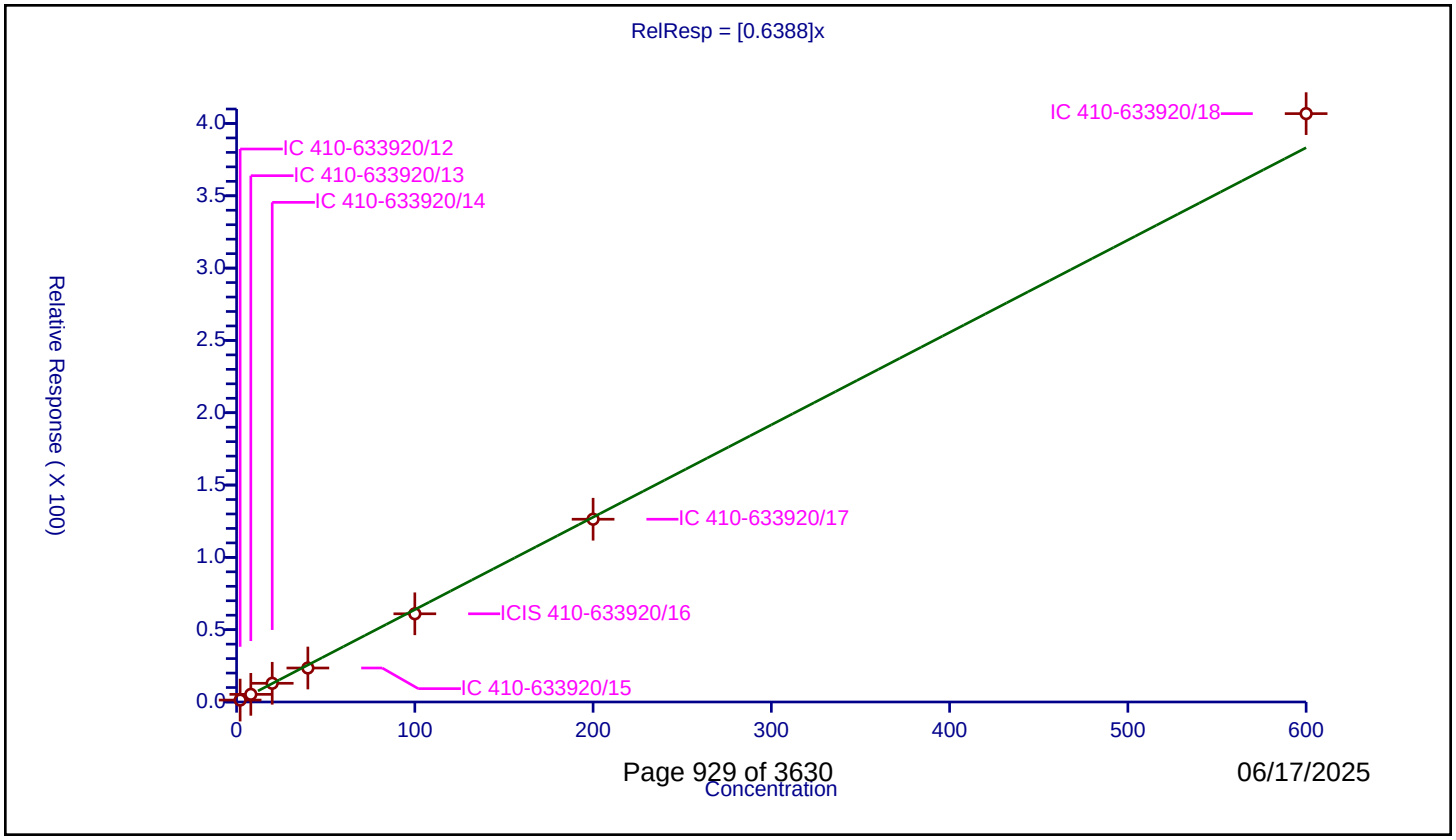
Curve Coefficients

Intercept:	0
Slope:	0.6388

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	2.0	1.313485	250.0	464794.0	0.656743	Y
2	IC 410-633920/13	8.0	5.282968	250.0	446482.0	0.660371	Y
3	IC 410-633920/14	20.0	12.939287	250.0	437157.0	0.646964	Y
4	IC 410-633920/15	40.0	23.507876	250.0	444266.0	0.587697	Y
5	ICIS 410-633920/16	100.0	60.981255	250.0	477409.0	0.609813	Y
6	IC 410-633920/17	200.0	126.364166	250.0	470434.0	0.631821	Y
7	IC 410-633920/18	600.0	406.816387	250.0	454581.0	0.678027	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

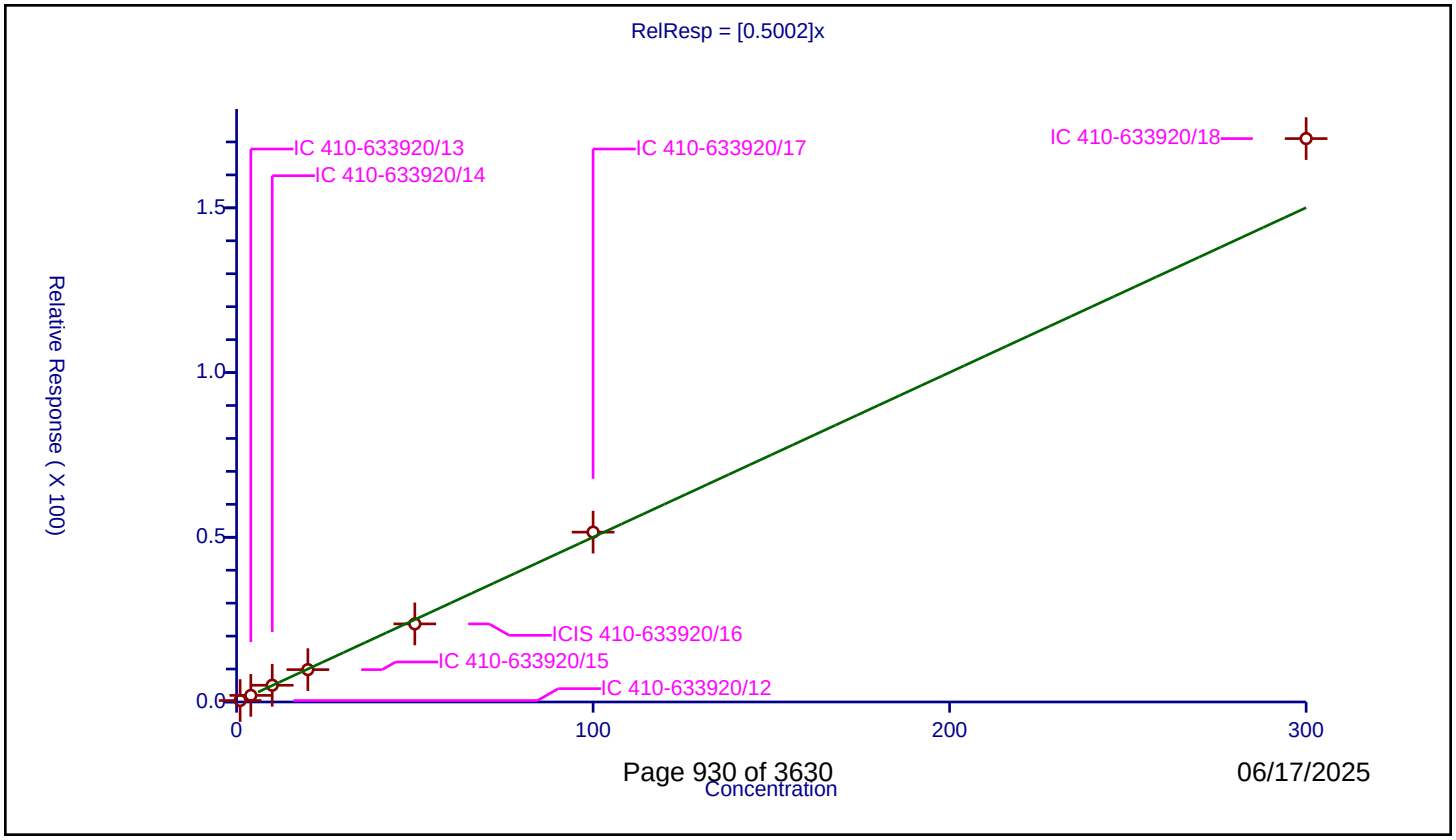
Curve Coefficients

Intercept:	0
Slope:	0.5002

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.440952	50.0	1191967.0	0.440952	Y
2	IC 410-633920/13	4.0	2.005743	50.0	1162836.0	0.501436	Y
3	IC 410-633920/14	10.0	5.080523	50.0	1132285.0	0.508052	Y
4	IC 410-633920/15	20.0	9.824347	50.0	1163370.0	0.491217	Y
5	ICIS 410-633920/16	50.0	23.703117	50.0	1209014.0	0.474062	Y
6	IC 410-633920/17	100.0	51.557544	50.0	1235214.0	0.515575	Y
7	IC 410-633920/18	300.0	171.023442	50.0	1099701.0	0.570078	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

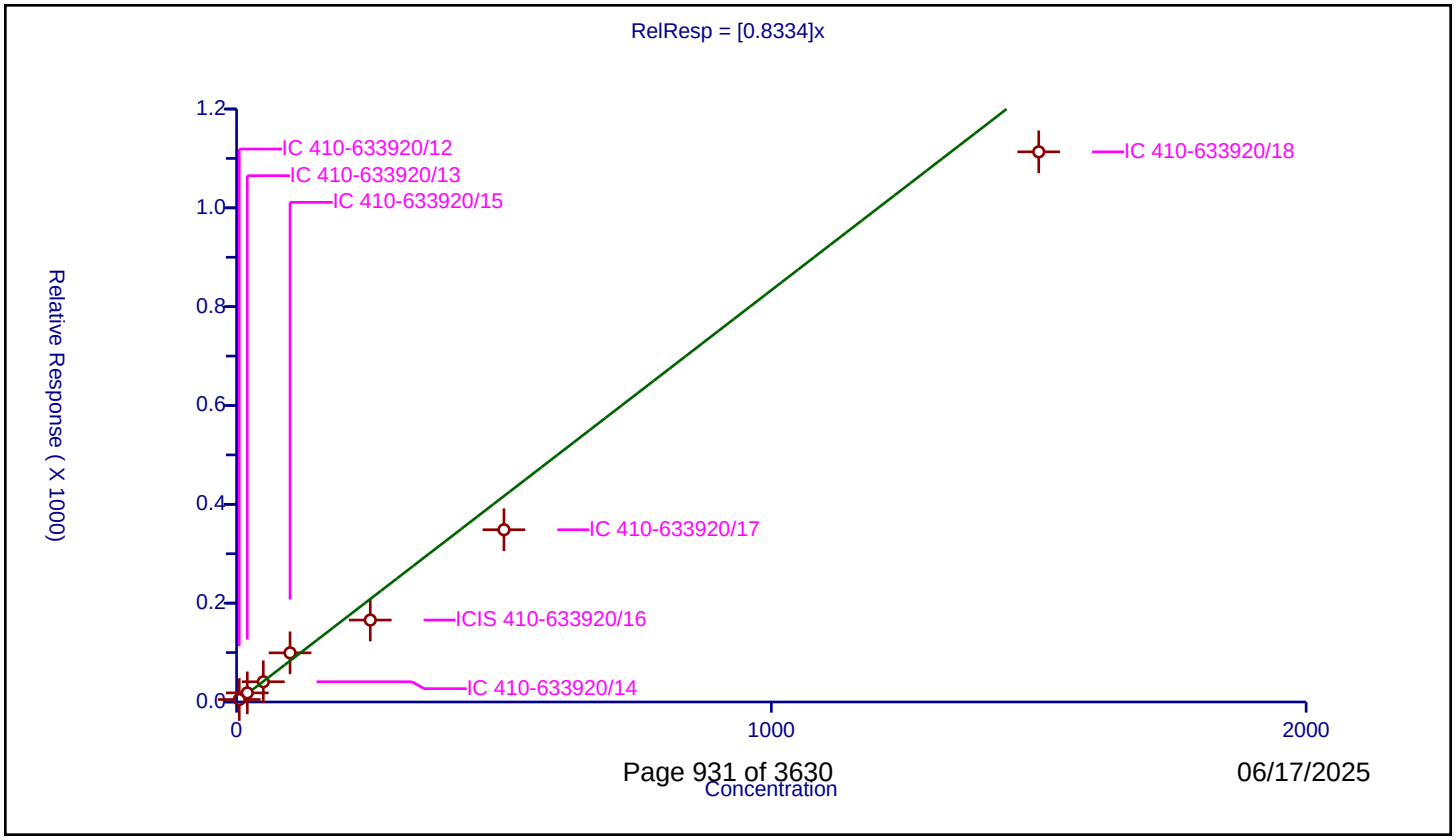
Curve Coefficients

Intercept:	0
Slope:	0.8334

Error Coefficients

Relative Standard Deviation:	16.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	5.0	4.977474	250.0	464794.0	0.995495	Y
2	IC 410-633920/13	20.0	18.446992	250.0	446482.0	0.92235	Y
3	IC 410-633920/14	50.0	40.933806	250.0	437157.0	0.818676	Y
4	IC 410-633920/15	100.0	99.447741	250.0	444266.0	0.994477	Y
5	ICIS 410-633920/16	250.0	165.786045	250.0	477409.0	0.663144	Y
6	IC 410-633920/17	500.0	348.59247	250.0	470434.0	0.697185	Y
7	IC 410-633920/18	1500.0	1113.339537	250.0	454581.0	0.742226	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

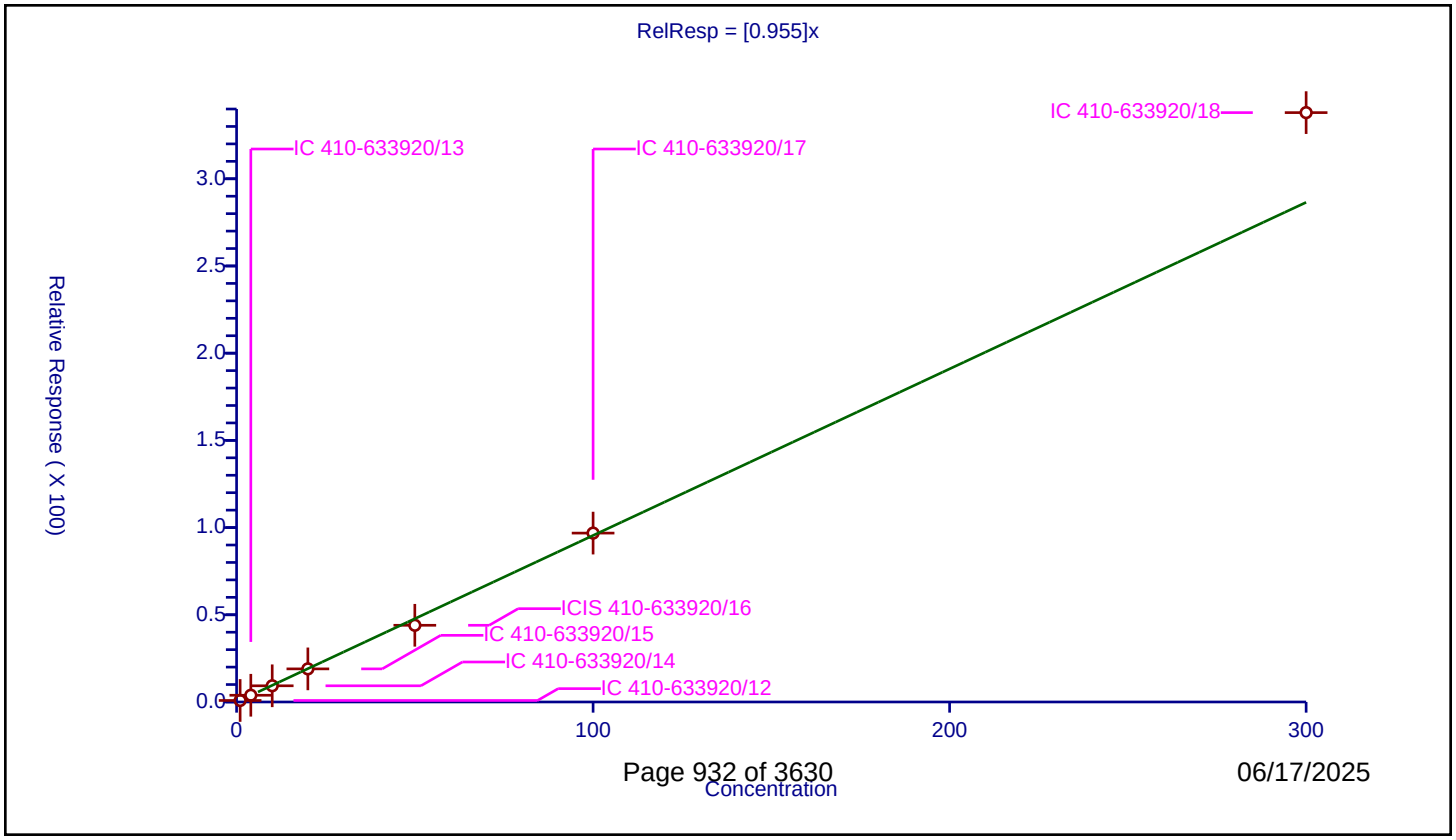
Curve Coefficients

Intercept:	0
Slope:	0.955

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.866341	50.0	1191967.0	0.866341	Y
2	IC 410-633920/13	4.0	3.861938	50.0	1162836.0	0.965484	Y
3	IC 410-633920/14	10.0	9.292228	50.0	1132285.0	0.929223	Y
4	IC 410-633920/15	20.0	18.983599	50.0	1163370.0	0.94918	Y
5	ICIS 410-633920/16	50.0	43.982617	50.0	1209014.0	0.879652	Y
6	IC 410-633920/17	100.0	96.832937	50.0	1235214.0	0.968329	Y
7	IC 410-633920/18	300.0	337.932765	50.0	1099701.0	1.126443	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

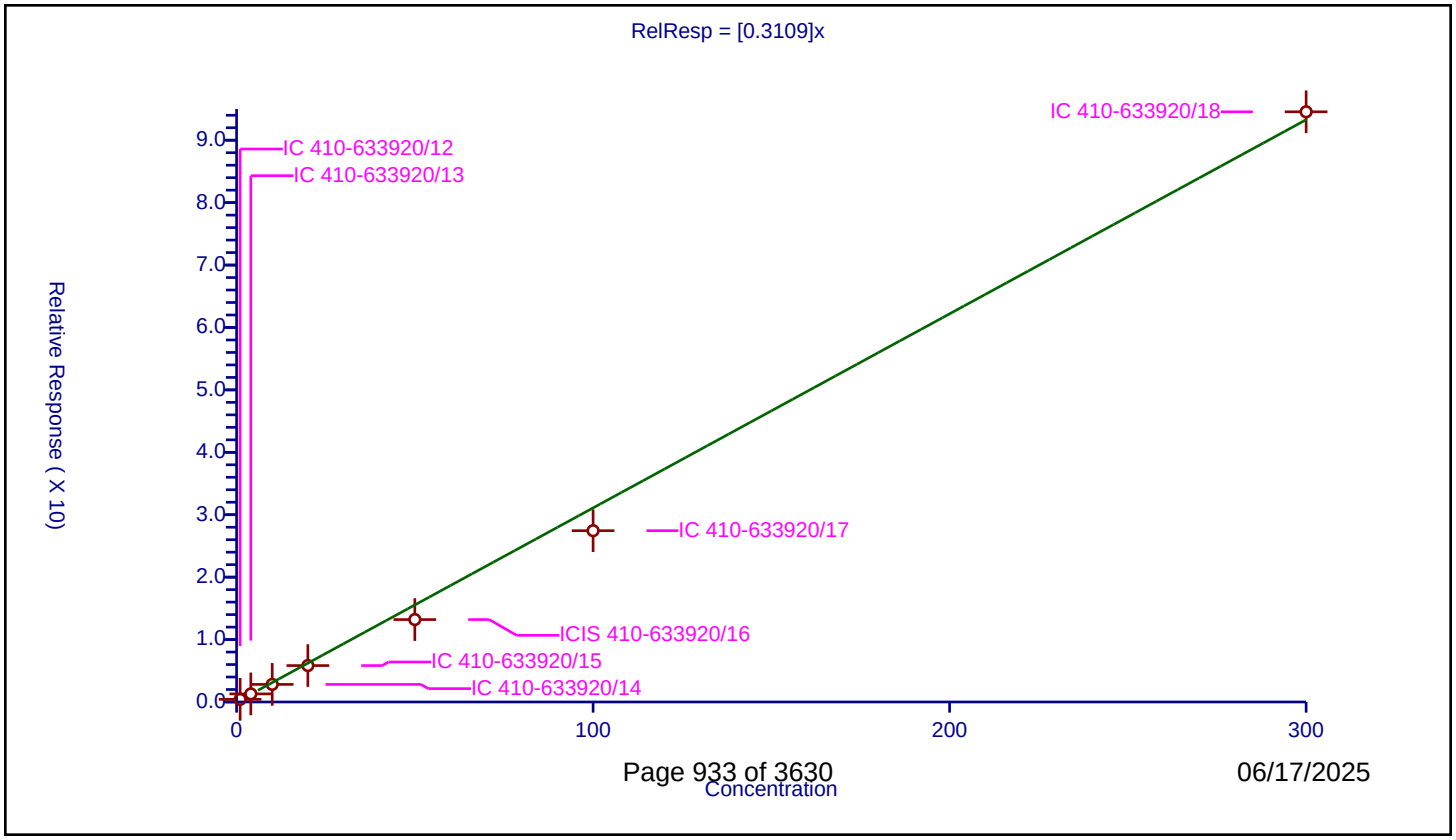
Curve Coefficients

Intercept:	0
Slope:	0.3109

Error Coefficients

Relative Standard Deviation:	17.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.424844	50.0	1191967.0	0.424844	Y
2	IC 410-633920/13	4.0	1.297388	50.0	1162836.0	0.324347	Y
3	IC 410-633920/14	10.0	2.818725	50.0	1132285.0	0.281872	Y
4	IC 410-633920/15	20.0	5.835031	50.0	1163370.0	0.291752	Y
5	ICIS 410-633920/16	50.0	13.20543	50.0	1209014.0	0.264109	Y
6	IC 410-633920/17	100.0	27.444799	50.0	1235214.0	0.274448	Y
7	IC 410-633920/18	300.0	94.554429	50.0	1099701.0	0.315181	Y



06/17/2025

Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

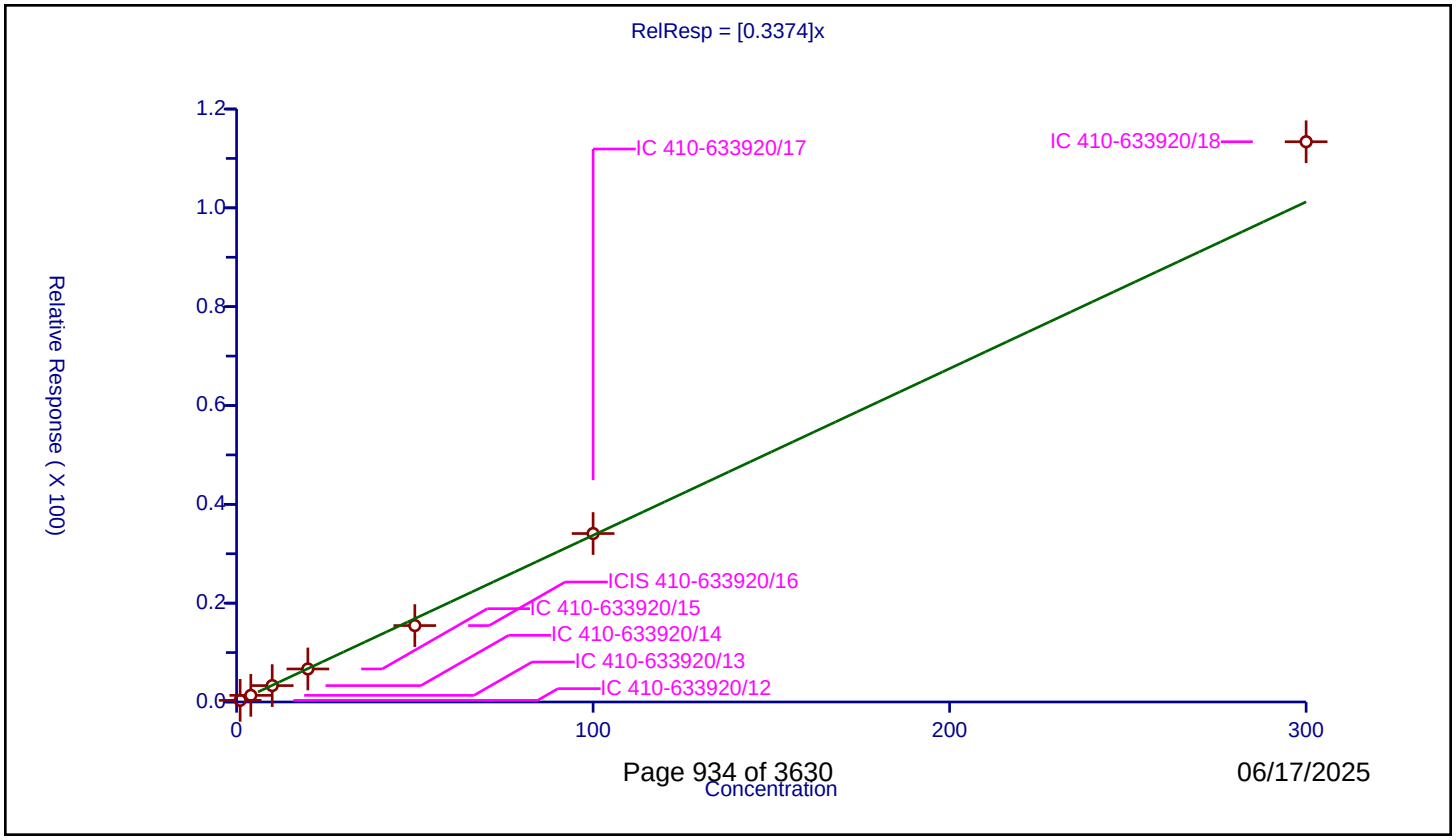
Curve Coefficients

Intercept:	0
Slope:	0.3374

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.332769	50.0	1191967.0	0.332769	Y
2	IC 410-633920/13	4.0	1.339613	50.0	1162836.0	0.334903	Y
3	IC 410-633920/14	10.0	3.314007	50.0	1132285.0	0.331401	Y
4	IC 410-633920/15	20.0	6.685534	50.0	1163370.0	0.334277	Y
5	ICIS 410-633920/16	50.0	15.466239	50.0	1209014.0	0.309325	Y
6	IC 410-633920/17	100.0	34.092878	50.0	1235214.0	0.340929	Y
7	IC 410-633920/18	300.0	113.378	50.0	1099701.0	0.377927	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

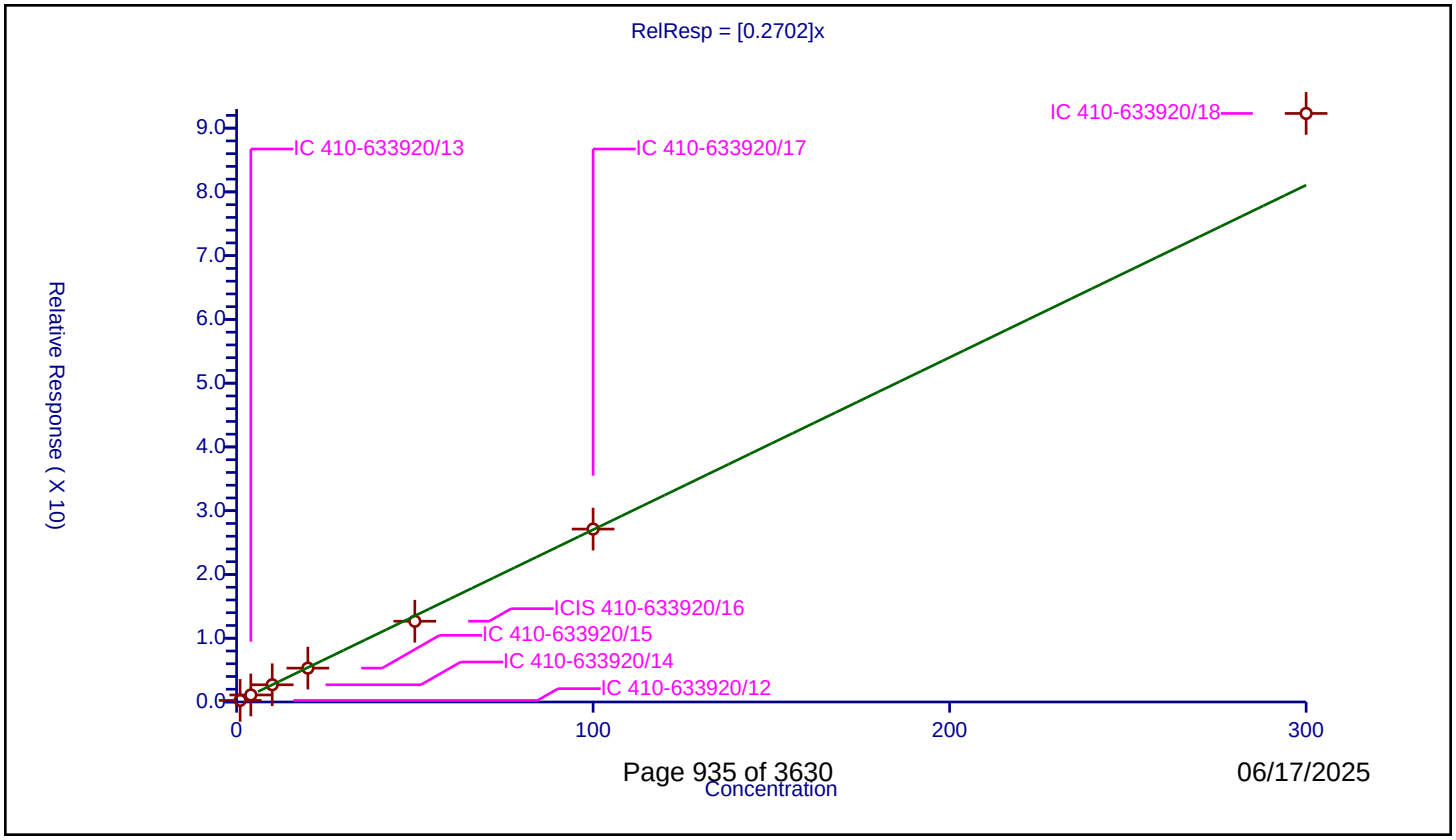
Curve Coefficients

Intercept:	0
Slope:	0.2702

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.247826	50.0	1191967.0	0.247826	Y
2	IC 410-633920/13	4.0	1.103165	50.0	1162836.0	0.275791	Y
3	IC 410-633920/14	10.0	2.701175	50.0	1132285.0	0.270118	Y
4	IC 410-633920/15	20.0	5.310477	50.0	1163370.0	0.265524	Y
5	ICIS 410-633920/16	50.0	12.665114	50.0	1209014.0	0.253302	Y
6	IC 410-633920/17	100.0	27.119511	50.0	1235214.0	0.271195	Y
7	IC 410-633920/18	300.0	92.307091	50.0	1099701.0	0.30769	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

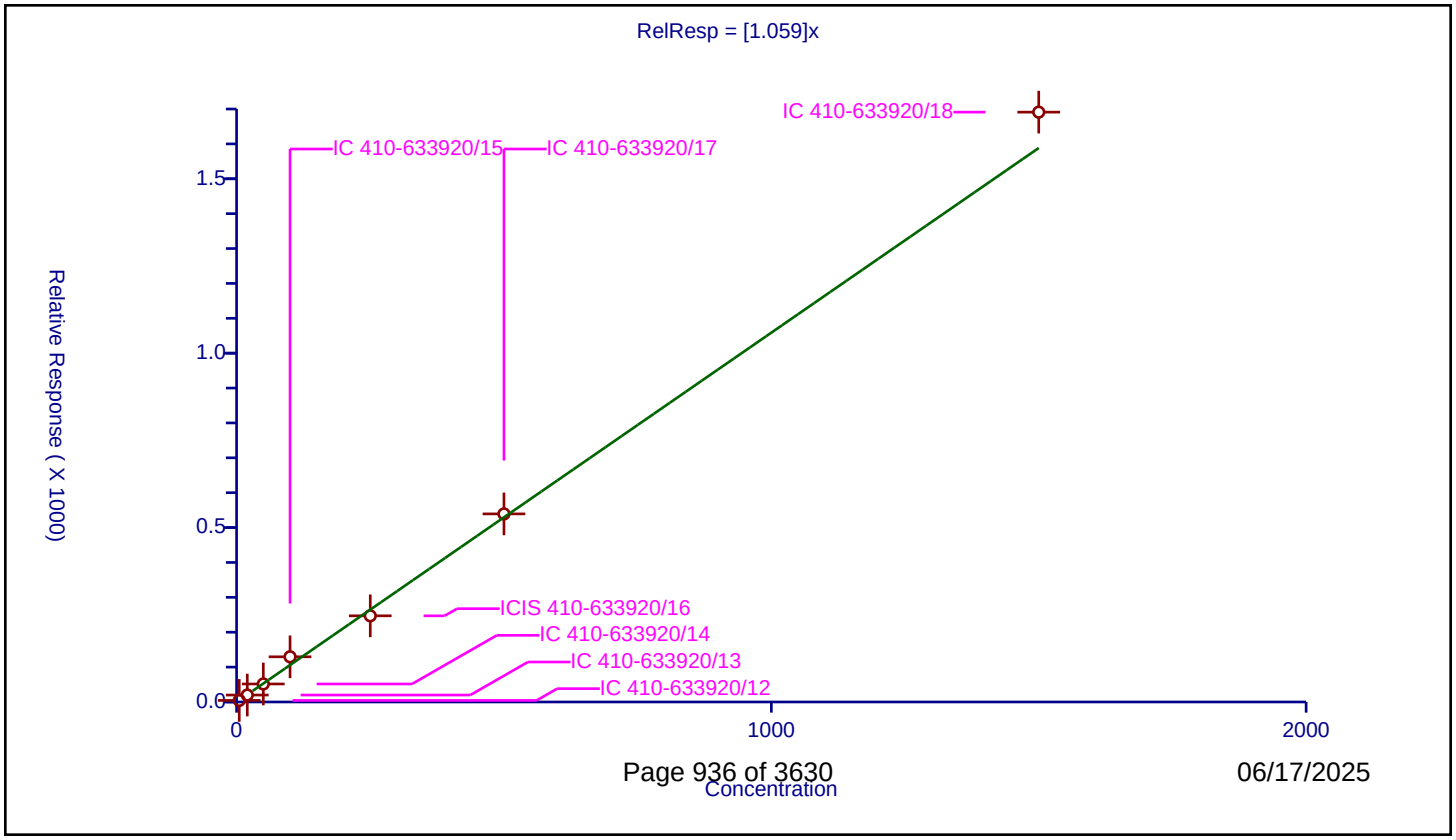
Curve Coefficients

Intercept:	0
Slope:	1.059

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	5.0	4.467033	250.0	464794.0	0.893407	Y
2	IC 410-633920/13	20.0	19.908417	250.0	446482.0	0.995421	Y
3	IC 410-633920/14	50.0	51.665077	250.0	437157.0	1.033302	Y
4	IC 410-633920/15	100.0	129.552453	250.0	444266.0	1.295525	Y
5	ICIS 410-633920/16	250.0	247.064886	250.0	477409.0	0.98826	Y
6	IC 410-633920/17	500.0	539.264807	250.0	470434.0	1.07853	Y
7	IC 410-633920/18	1500.0	1691.091357	250.0	454581.0	1.127394	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

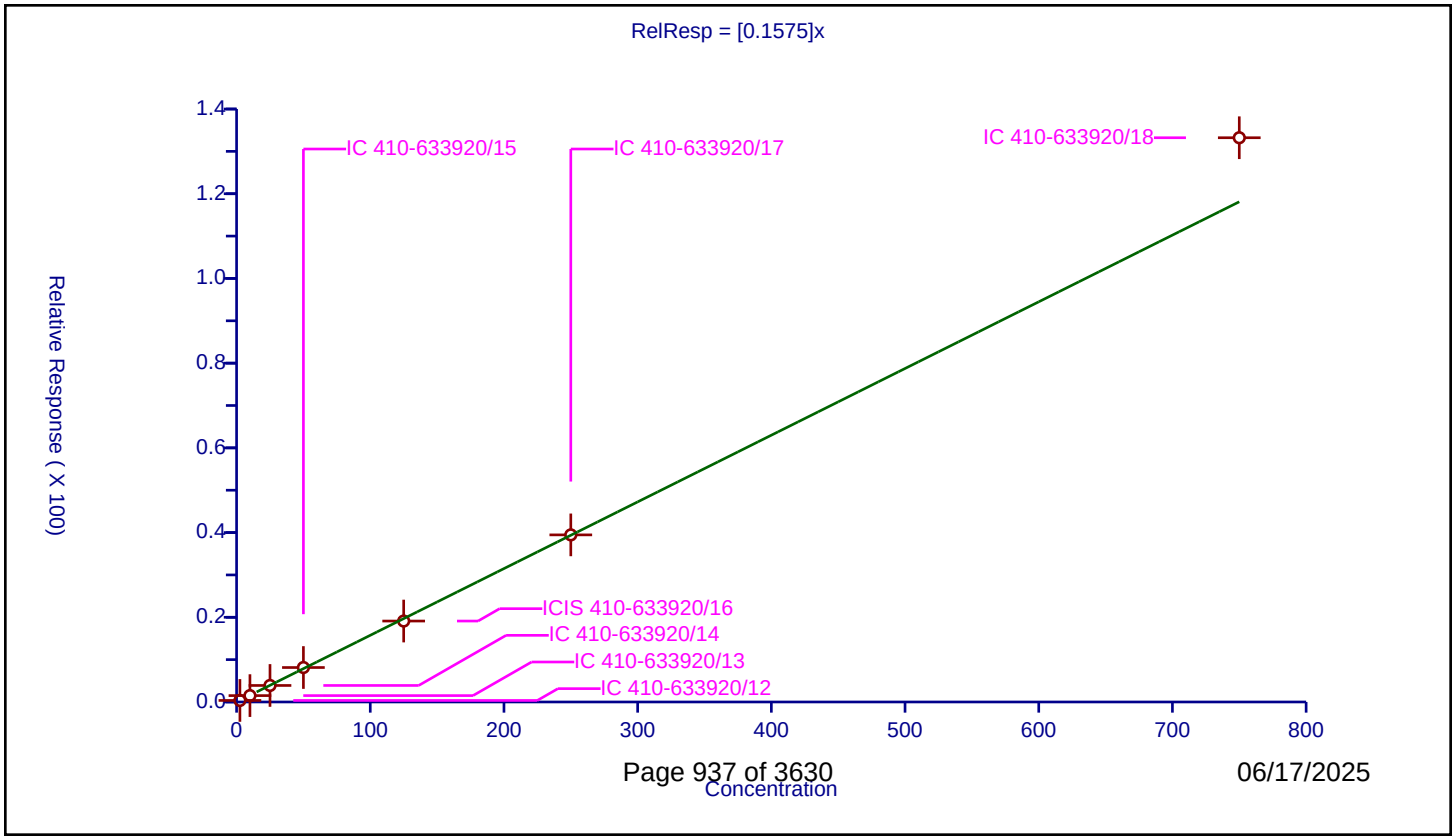
Curve Coefficients

Intercept:	0
Slope:	0.1575

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	2.5	0.360329	50.0	1191967.0	0.144132	Y
2	IC 410-633920/13	10.0	1.509671	50.0	1162836.0	0.150967	Y
3	IC 410-633920/14	25.0	3.900873	50.0	1132285.0	0.156035	Y
4	IC 410-633920/15	50.0	8.140145	50.0	1163370.0	0.162803	Y
5	ICIS 410-633920/16	125.0	19.111234	50.0	1209014.0	0.15289	Y
6	IC 410-633920/17	250.0	39.451625	50.0	1235214.0	0.157807	Y
7	IC 410-633920/18	750.0	133.217938	50.0	1099701.0	0.177624	Y



06/17/2025

Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

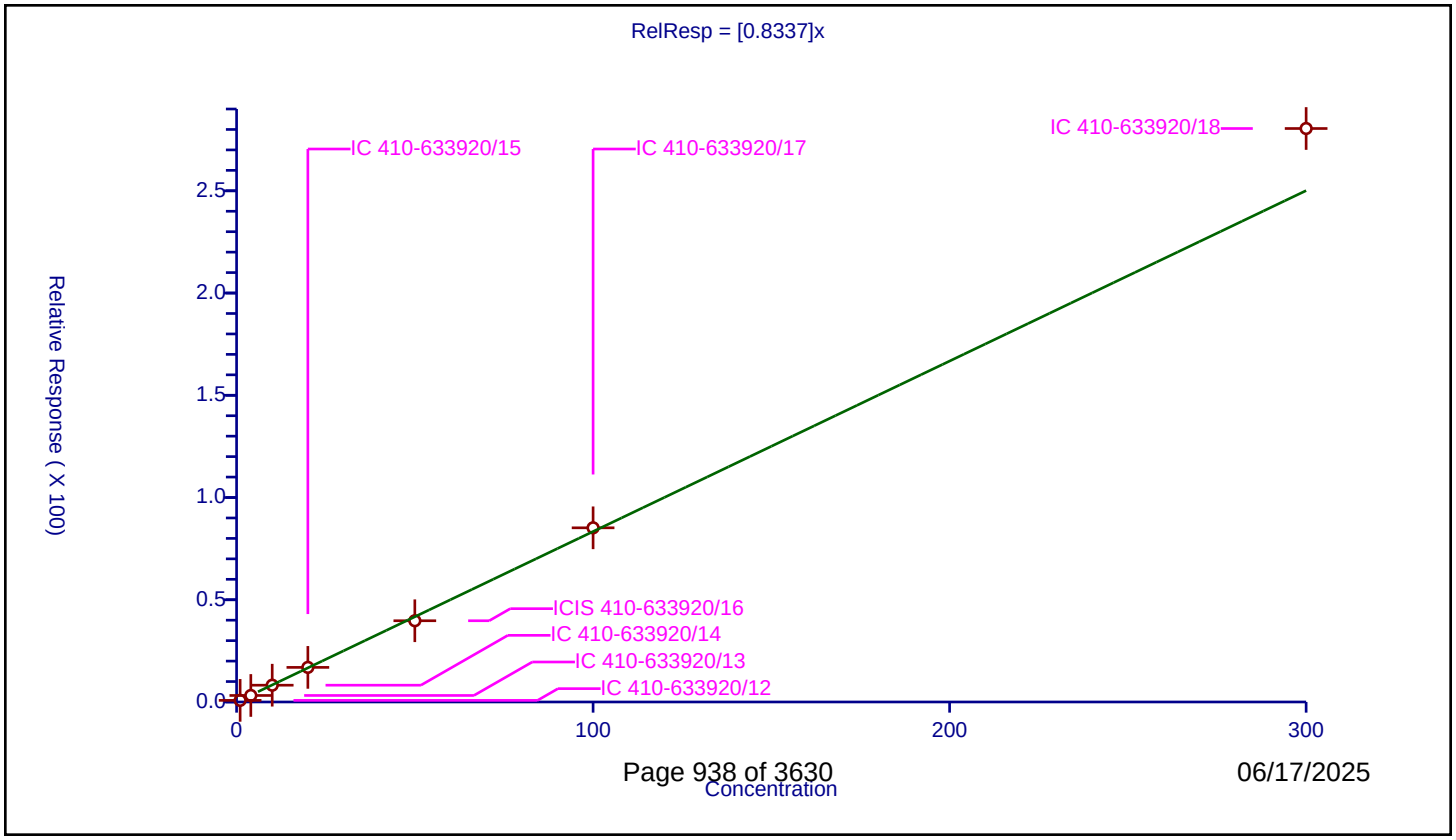
Curve Coefficients

Intercept:	0
Slope:	0.8337

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.7918	50.0	1191967.0	0.7918	Y
2	IC 410-633920/13	4.0	3.183209	50.0	1162836.0	0.795802	Y
3	IC 410-633920/14	10.0	8.207872	50.0	1132285.0	0.820787	Y
4	IC 410-633920/15	20.0	16.920369	50.0	1163370.0	0.846018	Y
5	ICIS 410-633920/16	50.0	39.725719	50.0	1209014.0	0.794514	Y
6	IC 410-633920/17	100.0	85.181637	50.0	1235214.0	0.851816	Y
7	IC 410-633920/18	300.0	280.465463	50.0	1099701.0	0.934885	Y



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Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

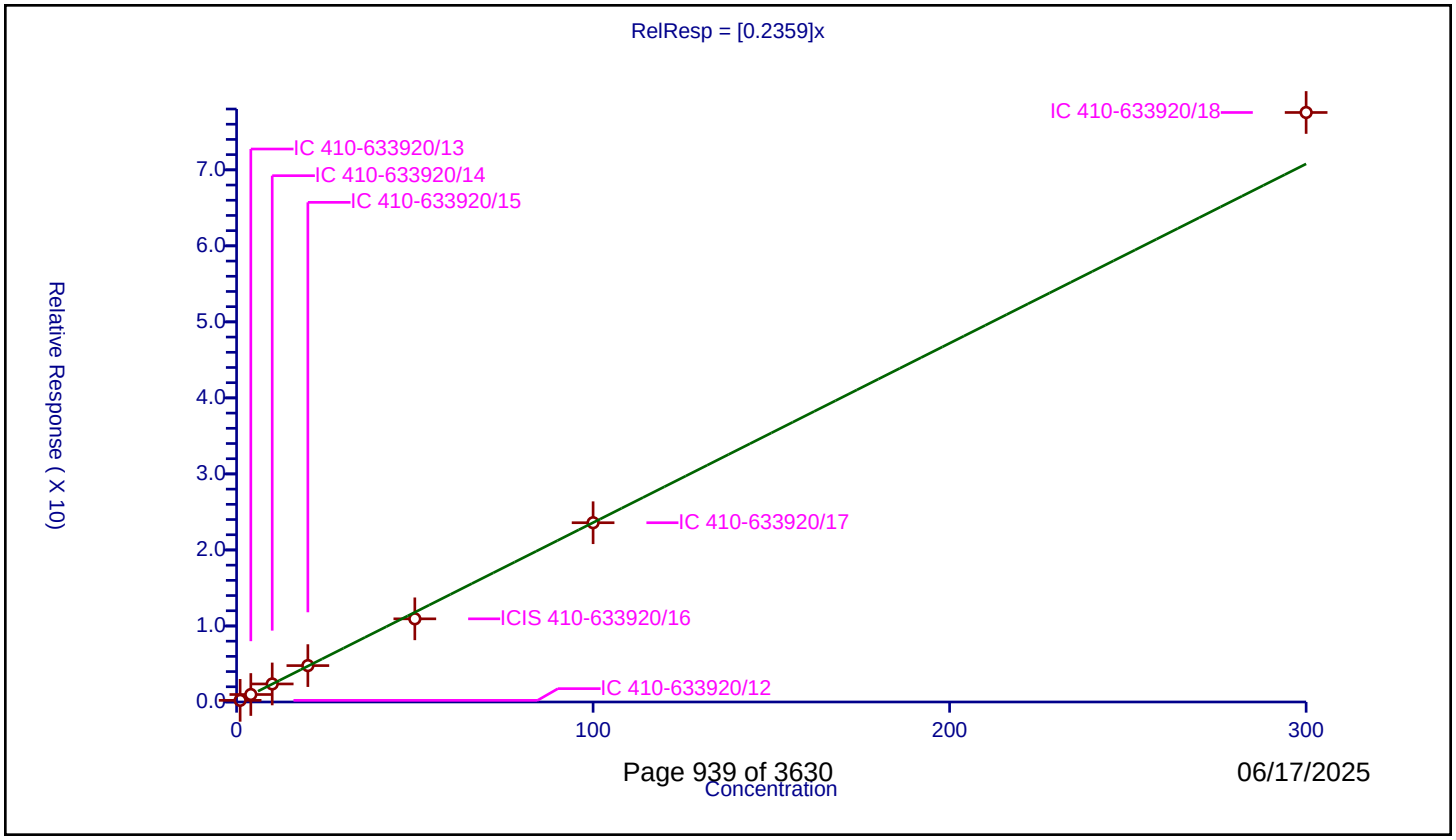
Curve Coefficients

Intercept:	0
Slope:	0.2359

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.215904	50.0	1191967.0	0.215904	Y
2	IC 410-633920/13	4.0	0.983974	50.0	1162836.0	0.245993	Y
3	IC 410-633920/14	10.0	2.372857	50.0	1132285.0	0.237286	Y
4	IC 410-633920/15	20.0	4.786826	50.0	1163370.0	0.239341	Y
5	ICIS 410-633920/16	50.0	10.937466	50.0	1209014.0	0.218749	Y
6	IC 410-633920/17	100.0	23.580975	50.0	1235214.0	0.23581	Y
7	IC 410-633920/18	300.0	77.54285	50.0	1099701.0	0.258476	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

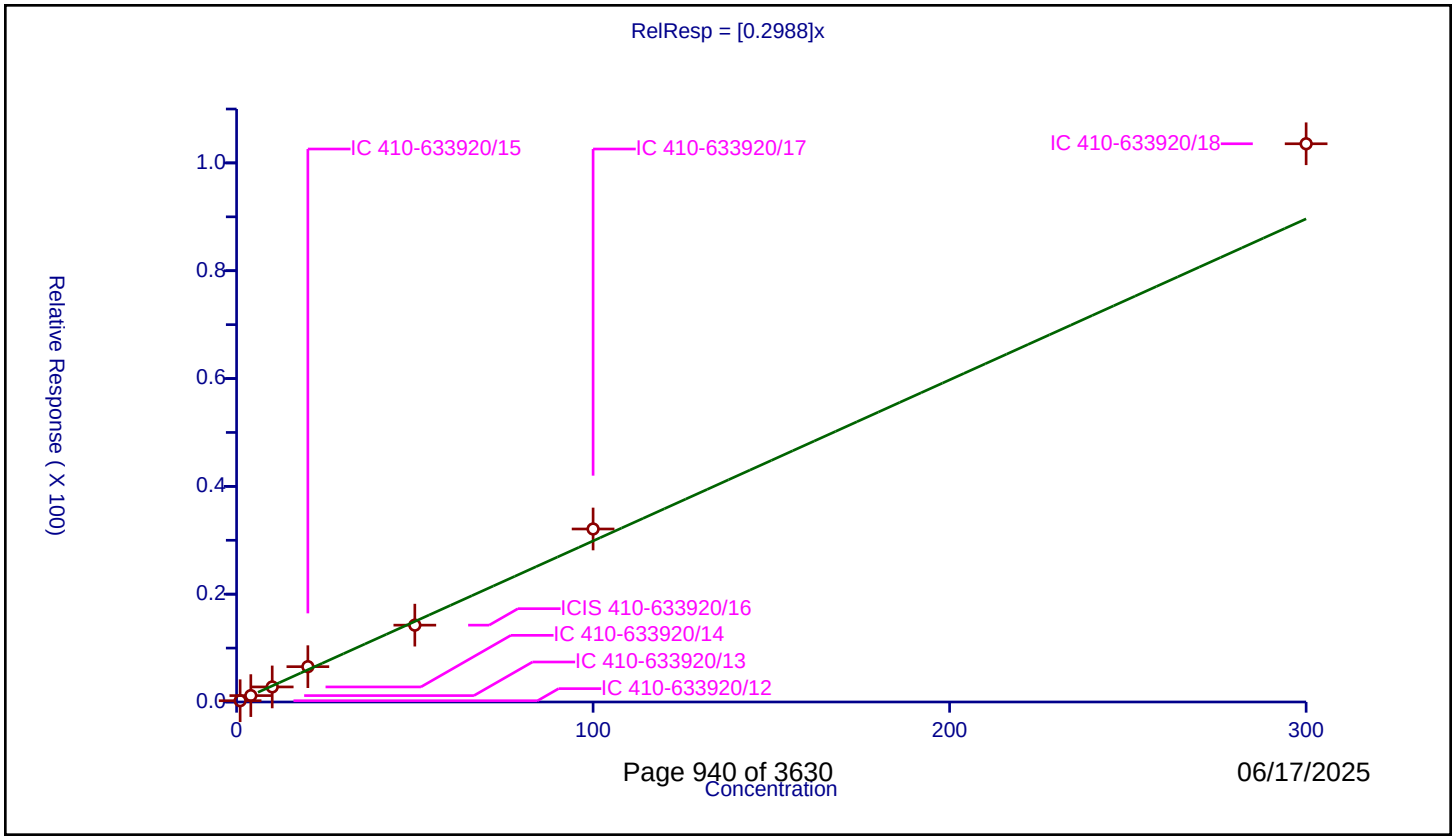
Curve Coefficients

Intercept:	0
Slope:	0.2988

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.236416	50.0	1191967.0	0.236416	Y
2	IC 410-633920/13	4.0	1.187012	50.0	1162836.0	0.296753	Y
3	IC 410-633920/14	10.0	2.794129	50.0	1132285.0	0.279413	Y
4	IC 410-633920/15	20.0	6.550324	50.0	1163370.0	0.327516	Y
5	ICIS 410-633920/16	50.0	14.253143	50.0	1209014.0	0.285063	Y
6	IC 410-633920/17	100.0	32.092739	50.0	1235214.0	0.320927	Y
7	IC 410-633920/18	300.0	103.553466	50.0	1099701.0	0.345178	Y



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Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

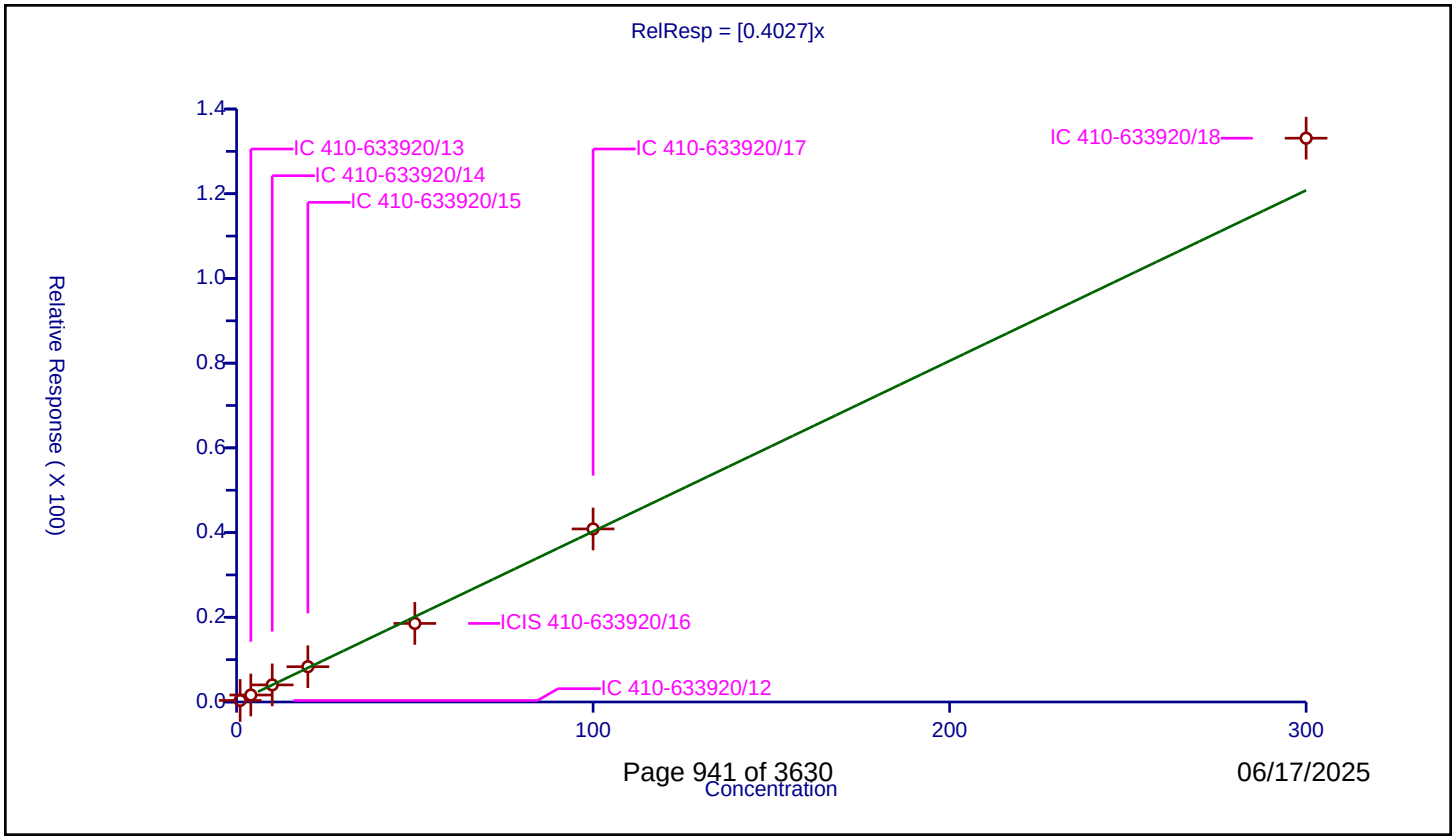
Curve Coefficients

Intercept:	0
Slope:	0.4027

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.363265	50.0	1191967.0	0.363265	Y
2	IC 410-633920/13	4.0	1.648986	50.0	1162836.0	0.412246	Y
3	IC 410-633920/14	10.0	4.033304	50.0	1132285.0	0.40333	Y
4	IC 410-633920/15	20.0	8.332689	50.0	1163370.0	0.416634	Y
5	ICIS 410-633920/16	50.0	18.549702	50.0	1209014.0	0.370994	Y
6	IC 410-633920/17	100.0	40.856483	50.0	1235214.0	0.408565	Y
7	IC 410-633920/18	300.0	133.112546	50.0	1099701.0	0.443708	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

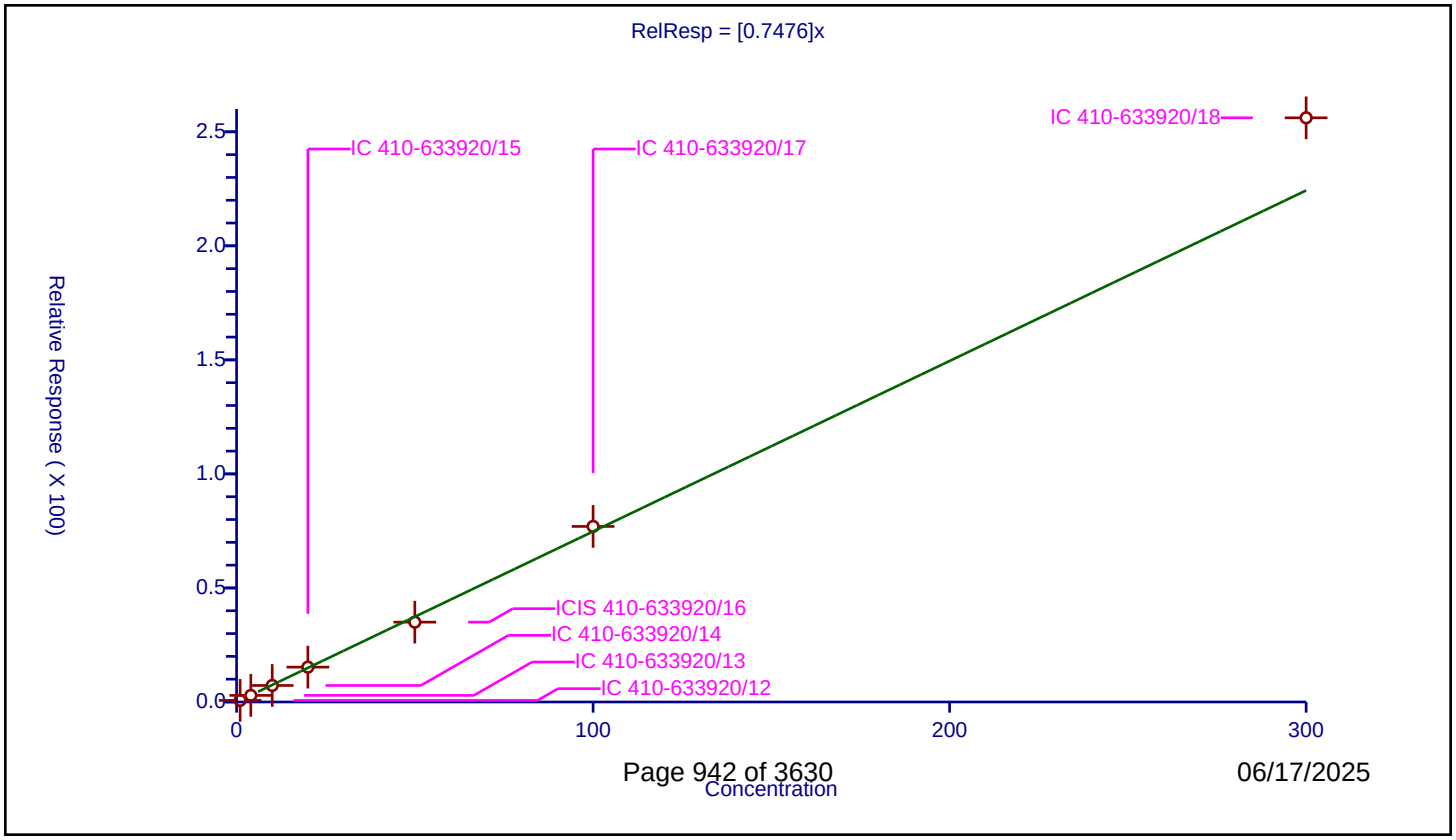
Curve Coefficients

Intercept:	0
Slope:	0.7476

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.69918	50.0	1191967.0	0.69918	Y
2	IC 410-633920/13	4.0	2.888283	50.0	1162836.0	0.722071	Y
3	IC 410-633920/14	10.0	7.241507	50.0	1132285.0	0.724151	Y
4	IC 410-633920/15	20.0	15.284733	50.0	1163370.0	0.764237	Y
5	ICIS 410-633920/16	50.0	35.011464	50.0	1209014.0	0.700229	Y
6	IC 410-633920/17	100.0	76.981236	50.0	1235214.0	0.769812	Y
7	IC 410-633920/18	300.0	256.136577	50.0	1099701.0	0.853789	Y



06/17/2025

Calibration / 2-Chloro-1,3-butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

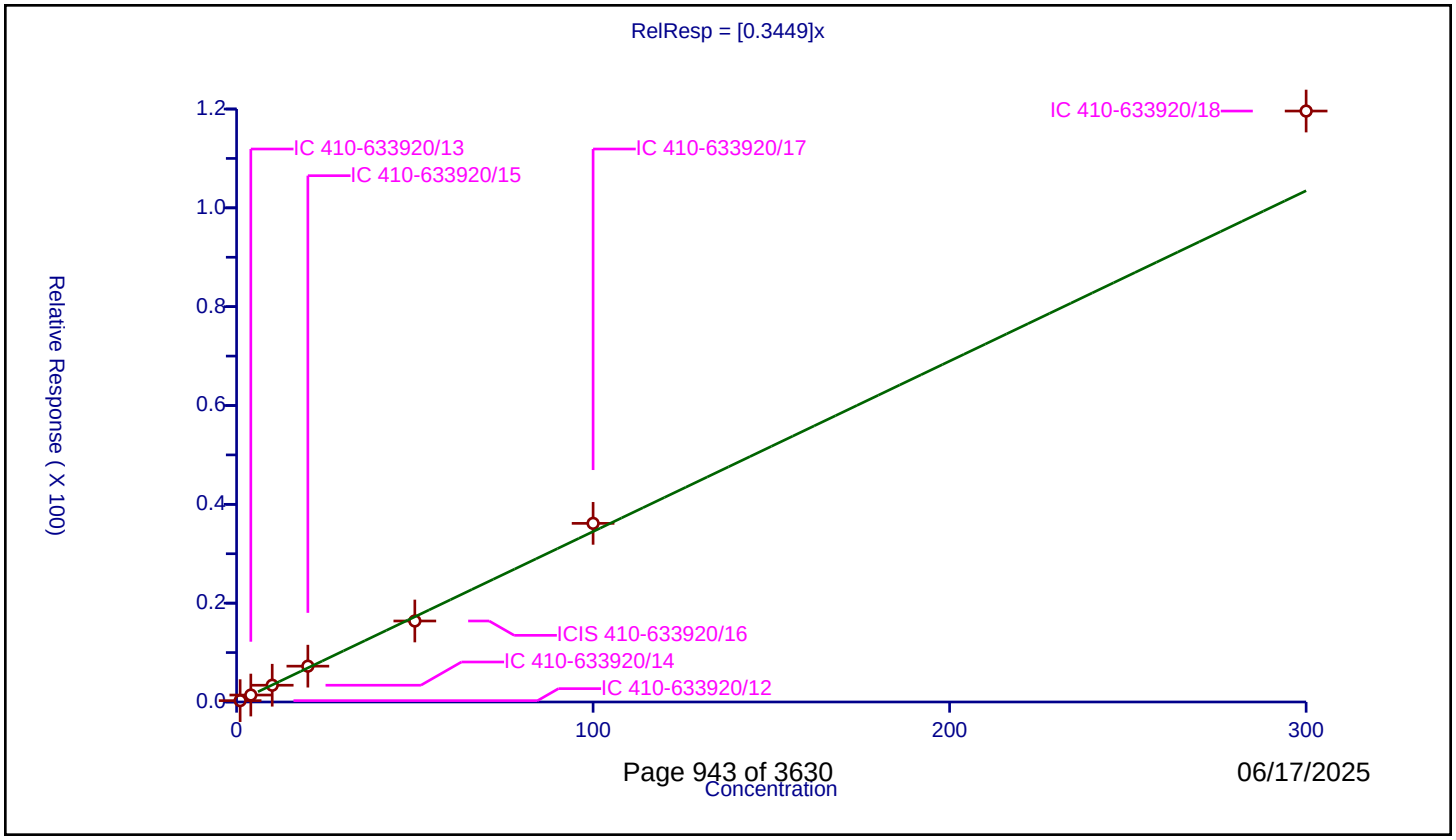
Curve Coefficients

Intercept:	0
Slope:	0.3449

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.273581	50.0	1191967.0	0.273581	Y
2	IC 410-633920/13	4.0	1.403121	50.0	1162836.0	0.35078	Y
3	IC 410-633920/14	10.0	3.393801	50.0	1132285.0	0.33938	Y
4	IC 410-633920/15	20.0	7.250015	50.0	1163370.0	0.362501	Y
5	ICIS 410-633920/16	50.0	16.392614	50.0	1209014.0	0.327852	Y
6	IC 410-633920/17	100.0	36.149121	50.0	1235214.0	0.361491	Y
7	IC 410-633920/18	300.0	119.588097	50.0	1099701.0	0.398627	Y



06/17/2025

Calibration / Tert-butyl ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

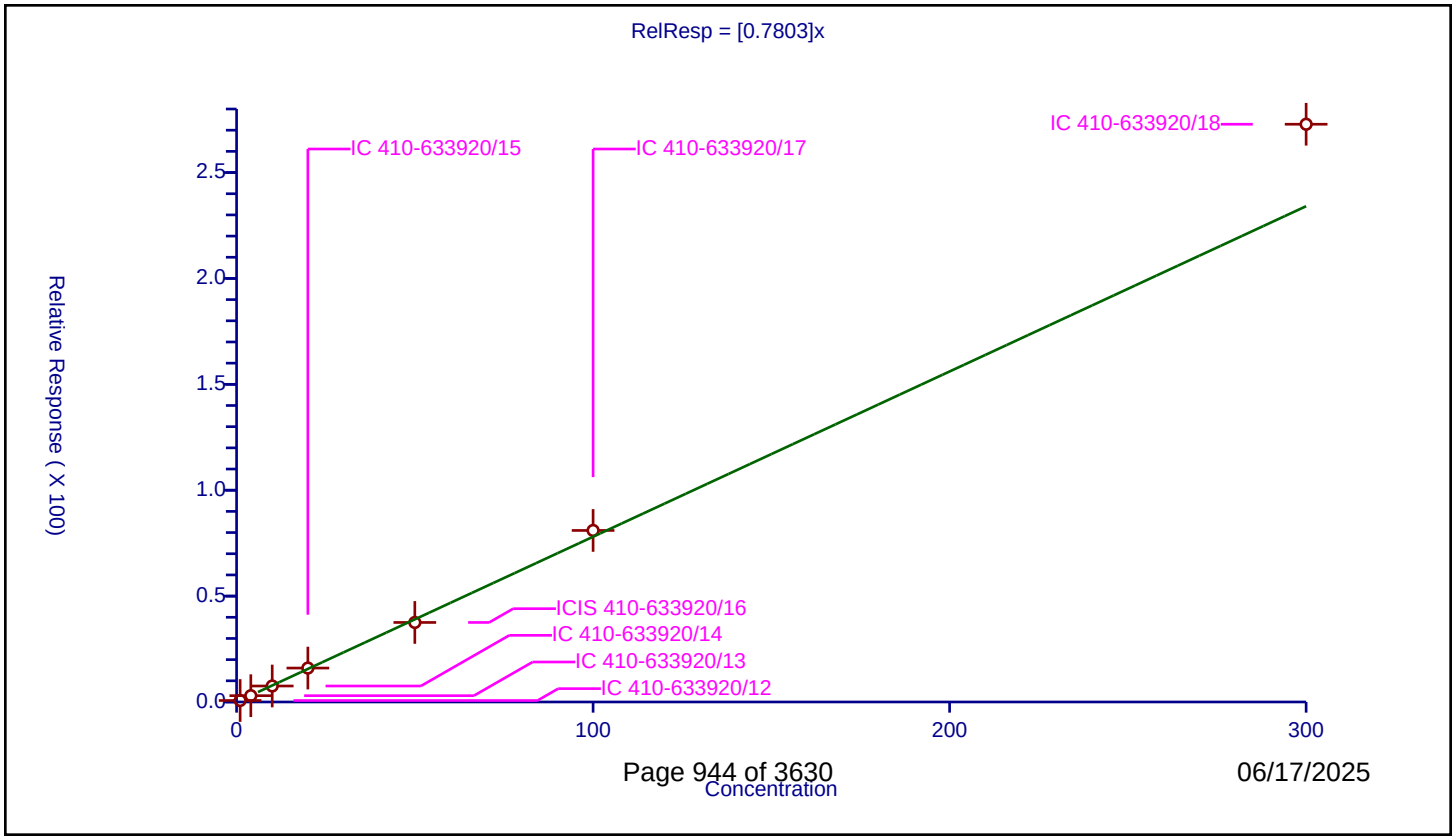
Curve Coefficients

Intercept:	0
Slope:	0.7803

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.693266	50.0	1191967.0	0.693266	Y
2	IC 410-633920/13	4.0	2.97213	50.0	1162836.0	0.743033	Y
3	IC 410-633920/14	10.0	7.545848	50.0	1132285.0	0.754585	Y
4	IC 410-633920/15	20.0	16.021171	50.0	1163370.0	0.801059	Y
5	ICIS 410-633920/16	50.0	37.553205	50.0	1209014.0	0.751064	Y
6	IC 410-633920/17	100.0	80.99216	50.0	1235214.0	0.809922	Y
7	IC 410-633920/18	300.0	272.805426	50.0	1099701.0	0.909351	Y



06/17/2025

Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

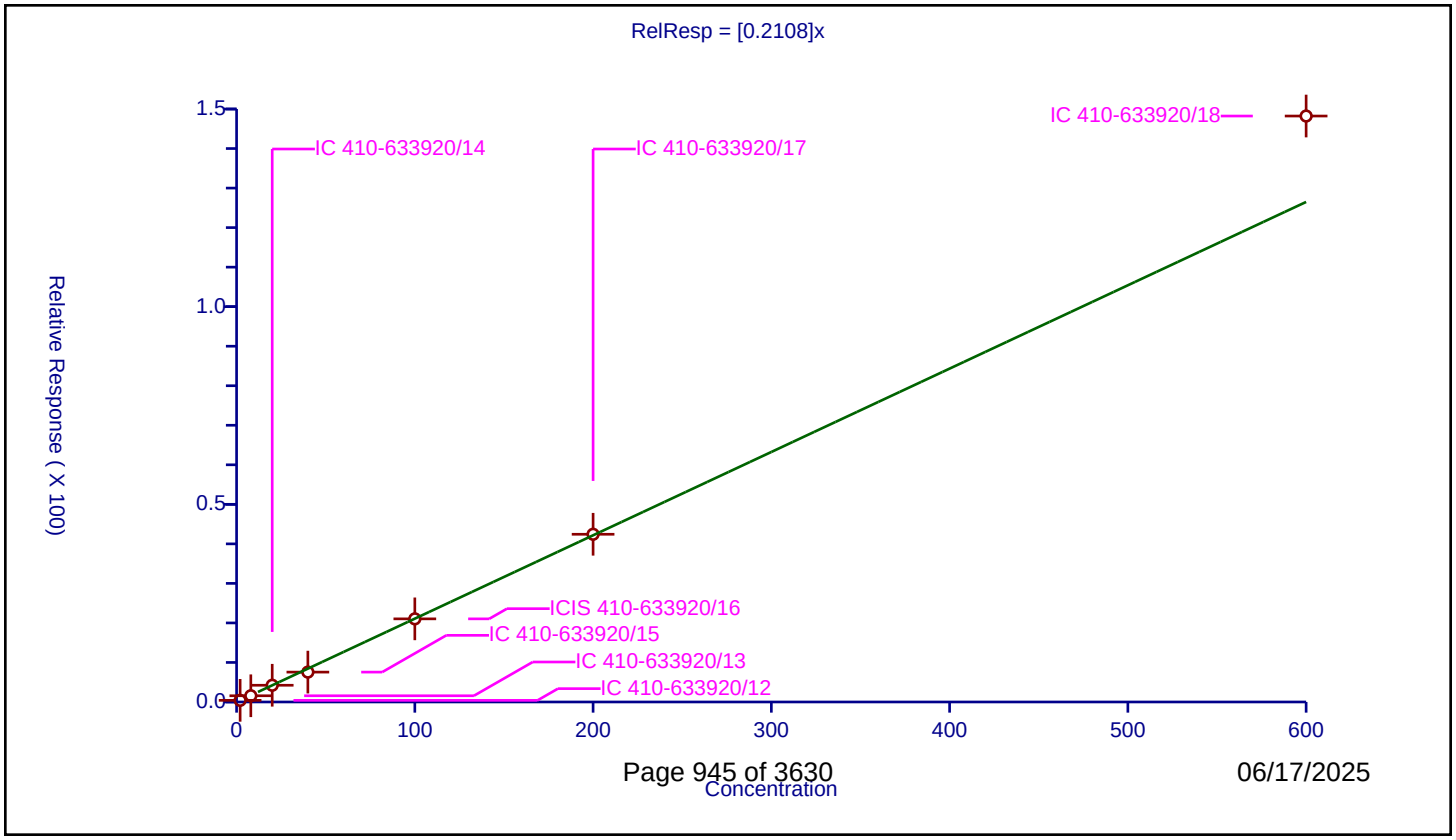
Curve Coefficients

Intercept:	0
Slope:	0.2108

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	2.0	0.416832	50.0	1191967.0	0.208416	Y
2	IC 410-633920/13	8.0	1.577523	50.0	1162836.0	0.19719	Y
3	IC 410-633920/14	20.0	4.233828	50.0	1132285.0	0.211691	Y
4	IC 410-633920/15	40.0	7.560277	50.0	1163370.0	0.189007	Y
5	ICIS 410-633920/16	100.0	21.028334	50.0	1209014.0	0.210283	Y
6	IC 410-633920/17	200.0	42.427426	50.0	1235214.0	0.212137	Y
7	IC 410-633920/18	600.0	148.226109	50.0	1099701.0	0.247044	Y



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Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

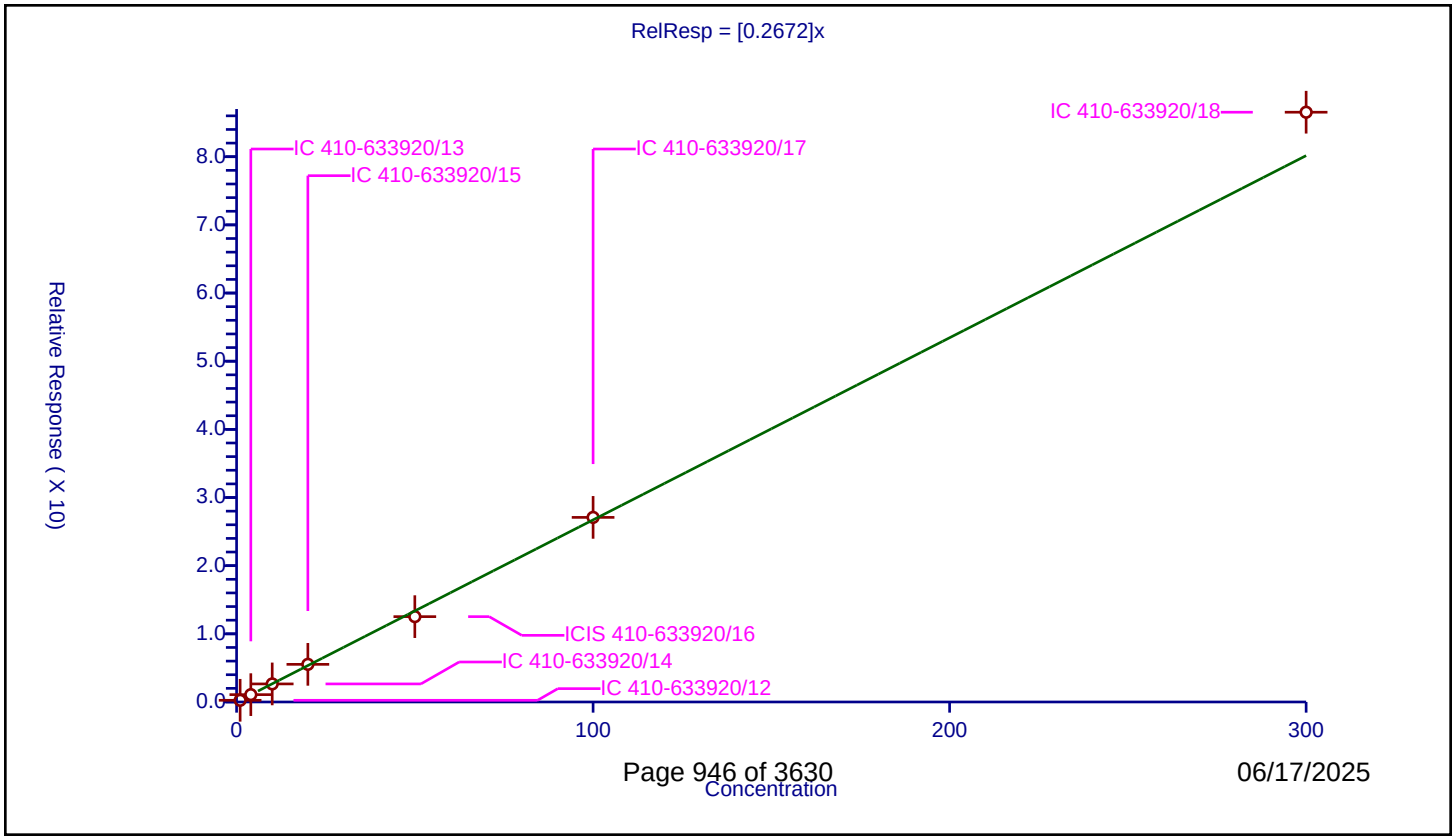
Curve Coefficients

Intercept:	0
Slope:	0.2672

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.250007	50.0	1191967.0	0.250007	Y
2	IC 410-633920/13	4.0	1.077022	50.0	1162836.0	0.269256	Y
3	IC 410-633920/14	10.0	2.652247	50.0	1132285.0	0.265225	Y
4	IC 410-633920/15	20.0	5.523995	50.0	1163370.0	0.2762	Y
5	ICIS 410-633920/16	50.0	12.521526	50.0	1209014.0	0.250431	Y
6	IC 410-633920/17	100.0	27.082676	50.0	1235214.0	0.270827	Y
7	IC 410-633920/18	300.0	86.530475	50.0	1099701.0	0.288435	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

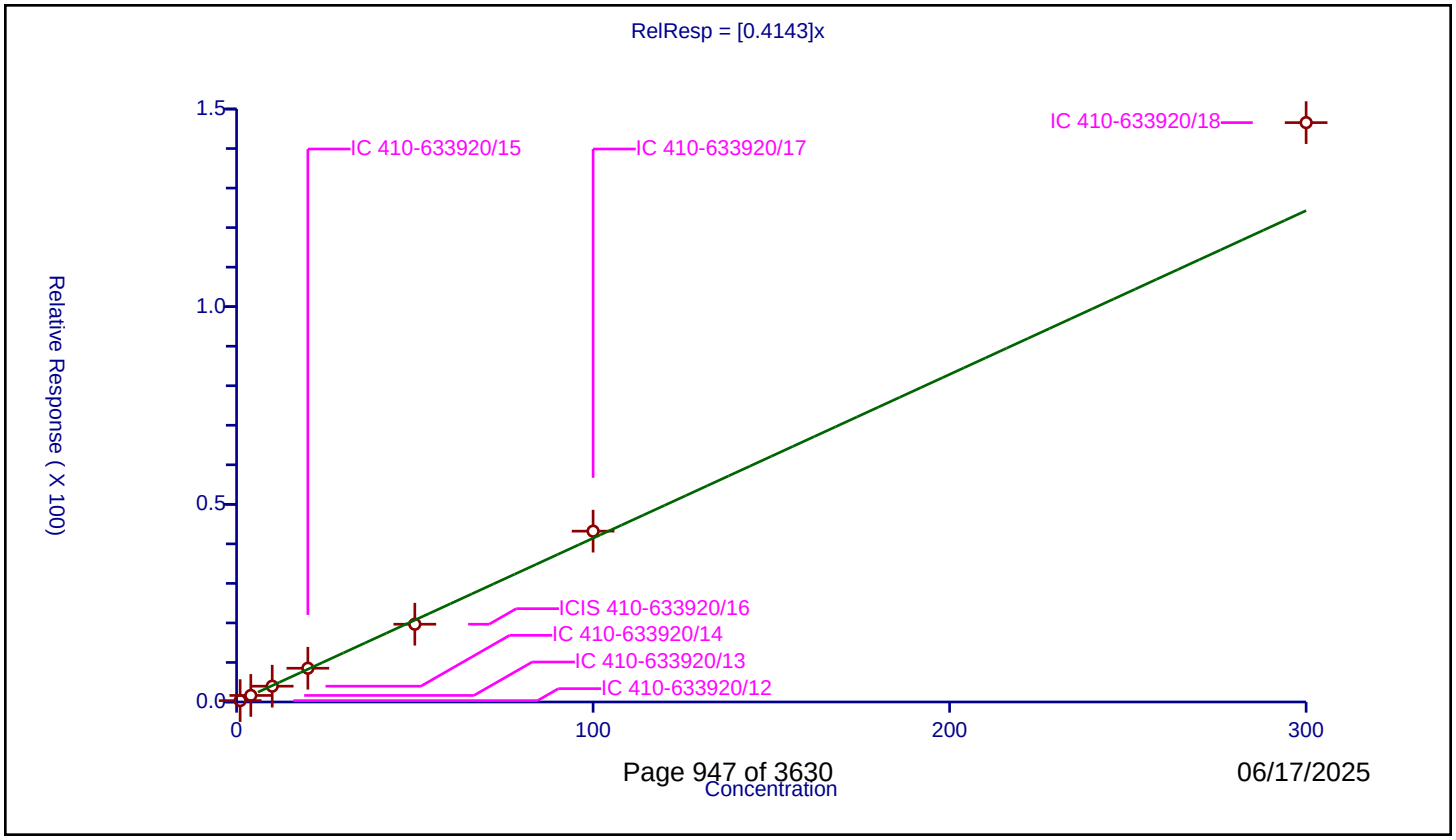
Curve Coefficients

Intercept:	0
Slope:	0.4143

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.346025	50.0	1191967.0	0.346025	Y
2	IC 410-633920/13	4.0	1.653329	50.0	1162836.0	0.413332	Y
3	IC 410-633920/14	10.0	3.999965	50.0	1132285.0	0.399996	Y
4	IC 410-633920/15	20.0	8.537739	50.0	1163370.0	0.426887	Y
5	ICIS 410-633920/16	50.0	19.674048	50.0	1209014.0	0.393481	Y
6	IC 410-633920/17	100.0	43.214455	50.0	1235214.0	0.432145	Y
7	IC 410-633920/18	300.0	146.557246	50.0	1099701.0	0.488524	Y



06/17/2025

Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

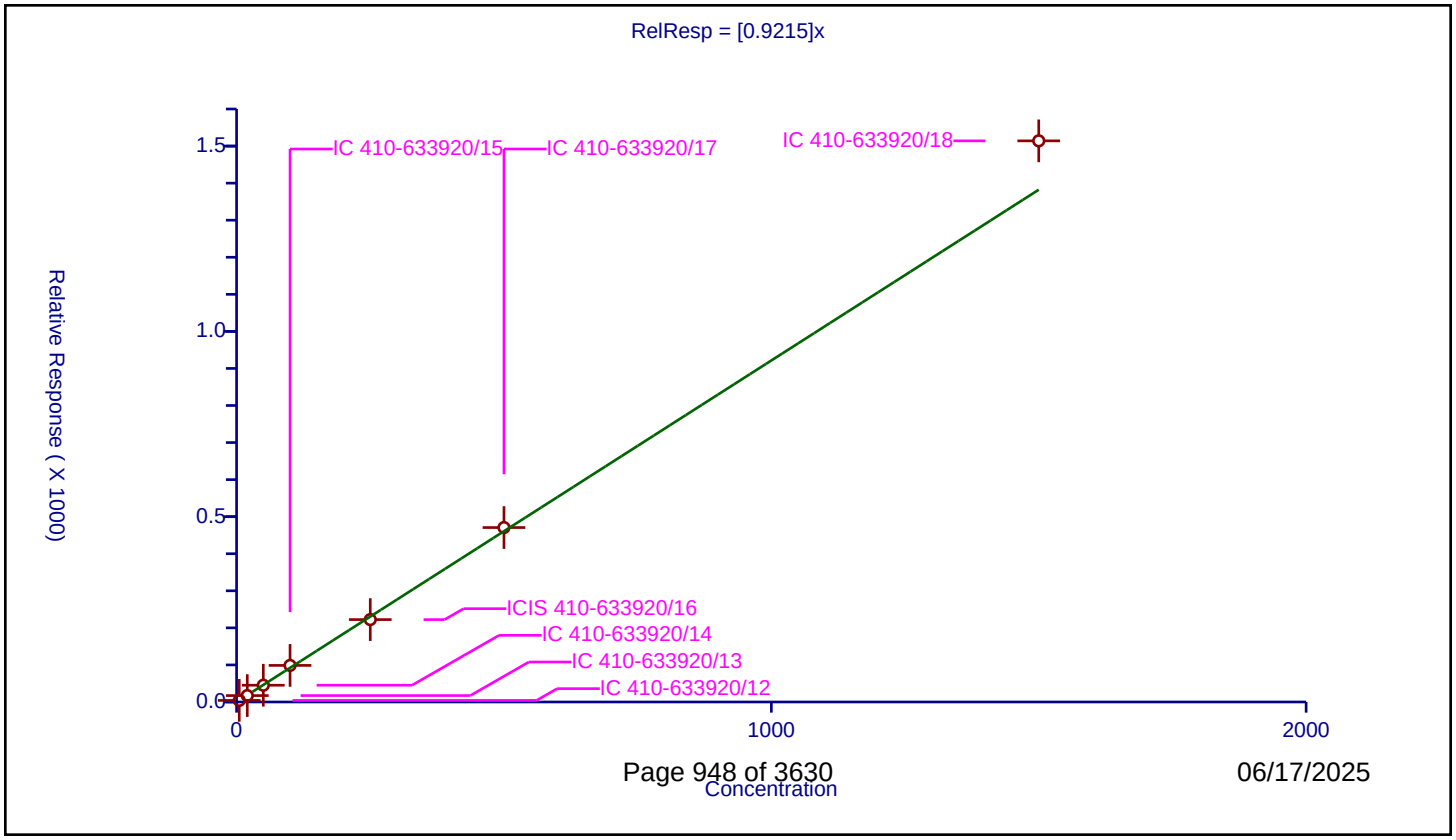
Curve Coefficients

Intercept:	0
Slope:	0.9215

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	5.0	4.276626	250.0	464794.0	0.855325	Y
2	IC 410-633920/13	20.0	17.279532	250.0	446482.0	0.863977	Y
3	IC 410-633920/14	50.0	45.210874	250.0	437157.0	0.904217	Y
4	IC 410-633920/15	100.0	98.659924	250.0	444266.0	0.986599	Y
5	ICIS 410-633920/16	250.0	222.327187	250.0	477409.0	0.889309	Y
6	IC 410-633920/17	500.0	470.707368	250.0	470434.0	0.941415	Y
7	IC 410-633920/18	1500.0	1514.092098	250.0	454581.0	1.009395	Y



06/17/2025

Calibration / Methyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

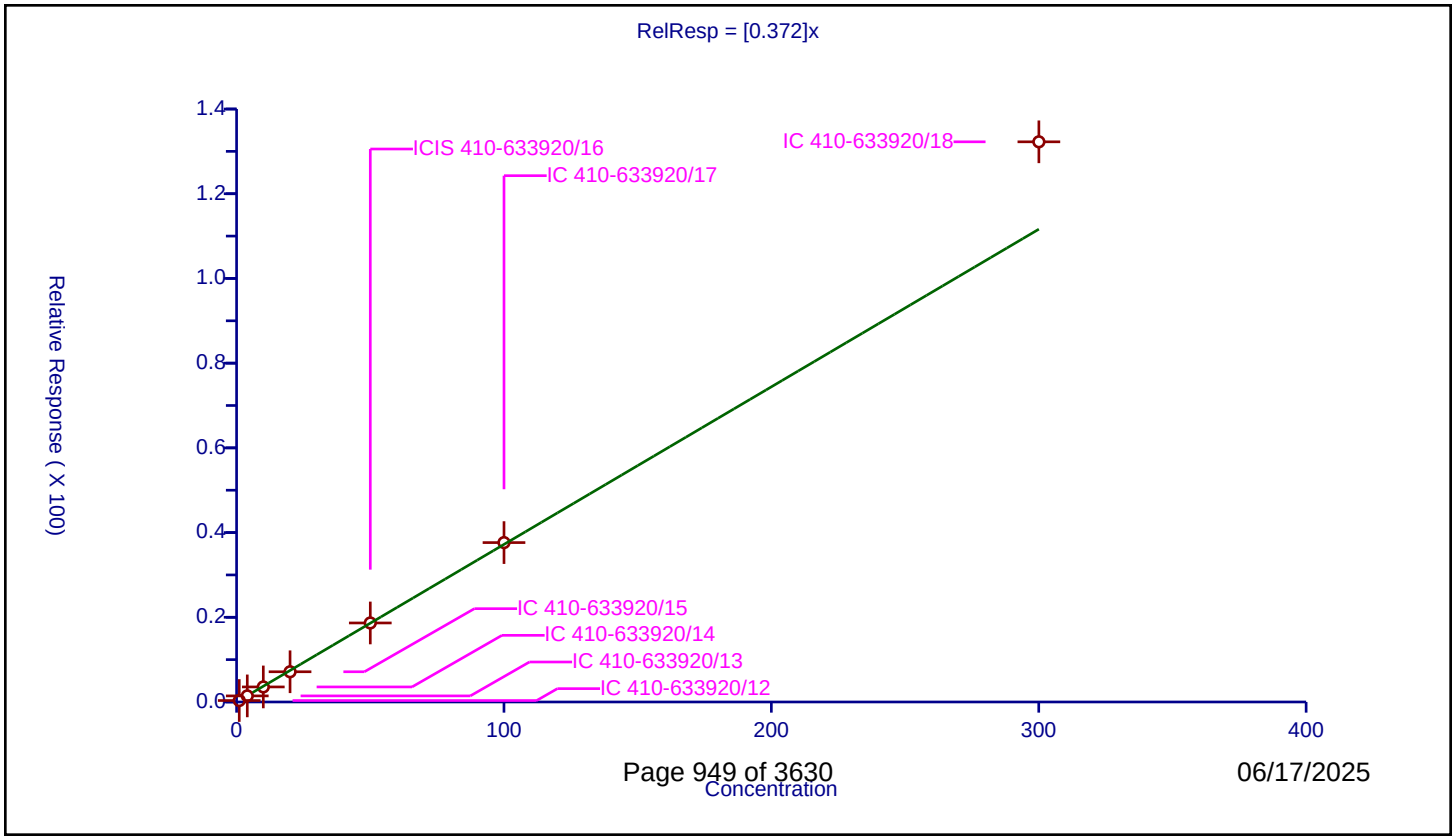
Curve Coefficients

Intercept:	0
Slope:	0.372

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.000186	0.34204	50.0	1191967.0	0.341976	Y
2	IC 410-633920/13	4.000742	1.438939	50.0	1162836.0	0.359668	Y
3	IC 410-633920/14	10.001856	3.557055	50.0	1132285.0	0.355639	Y
4	IC 410-633920/15	20.003712	7.135649	50.0	1163370.0	0.356716	Y
5	ICIS 410-633920/16	50.00928	18.660785	50.0	1209014.0	0.373146	Y
6	IC 410-633920/17	100.01856	37.634288	50.0	1235214.0	0.376273	Y
7	IC 410-633920/18	300.05568	132.256041	50.0	1099701.0	0.440772	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

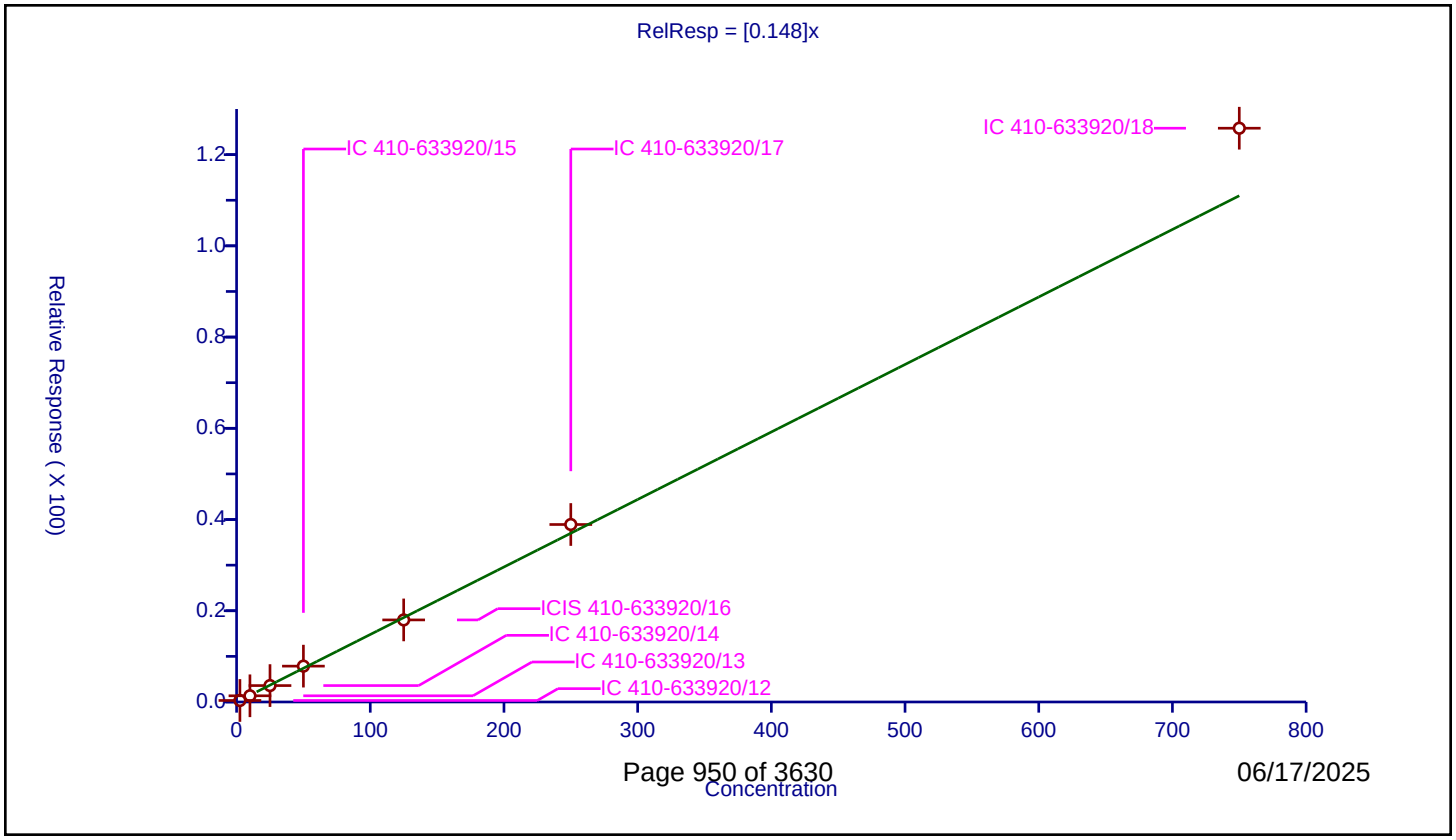
Curve Coefficients

Intercept:	0
Slope:	0.148

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	2.5	0.329455	50.0	1191967.0	0.131782	Y
2	IC 410-633920/13	10.0	1.356425	50.0	1162836.0	0.135643	Y
3	IC 410-633920/14	25.0	3.59958	50.0	1132285.0	0.143983	Y
4	IC 410-633920/15	50.0	7.859365	50.0	1163370.0	0.157187	Y
5	ICIS 410-633920/16	125.0	17.989204	50.0	1209014.0	0.143914	Y
6	IC 410-633920/17	250.0	38.910909	50.0	1235214.0	0.155644	Y
7	IC 410-633920/18	750.0	125.788692	50.0	1099701.0	0.167718	Y



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Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

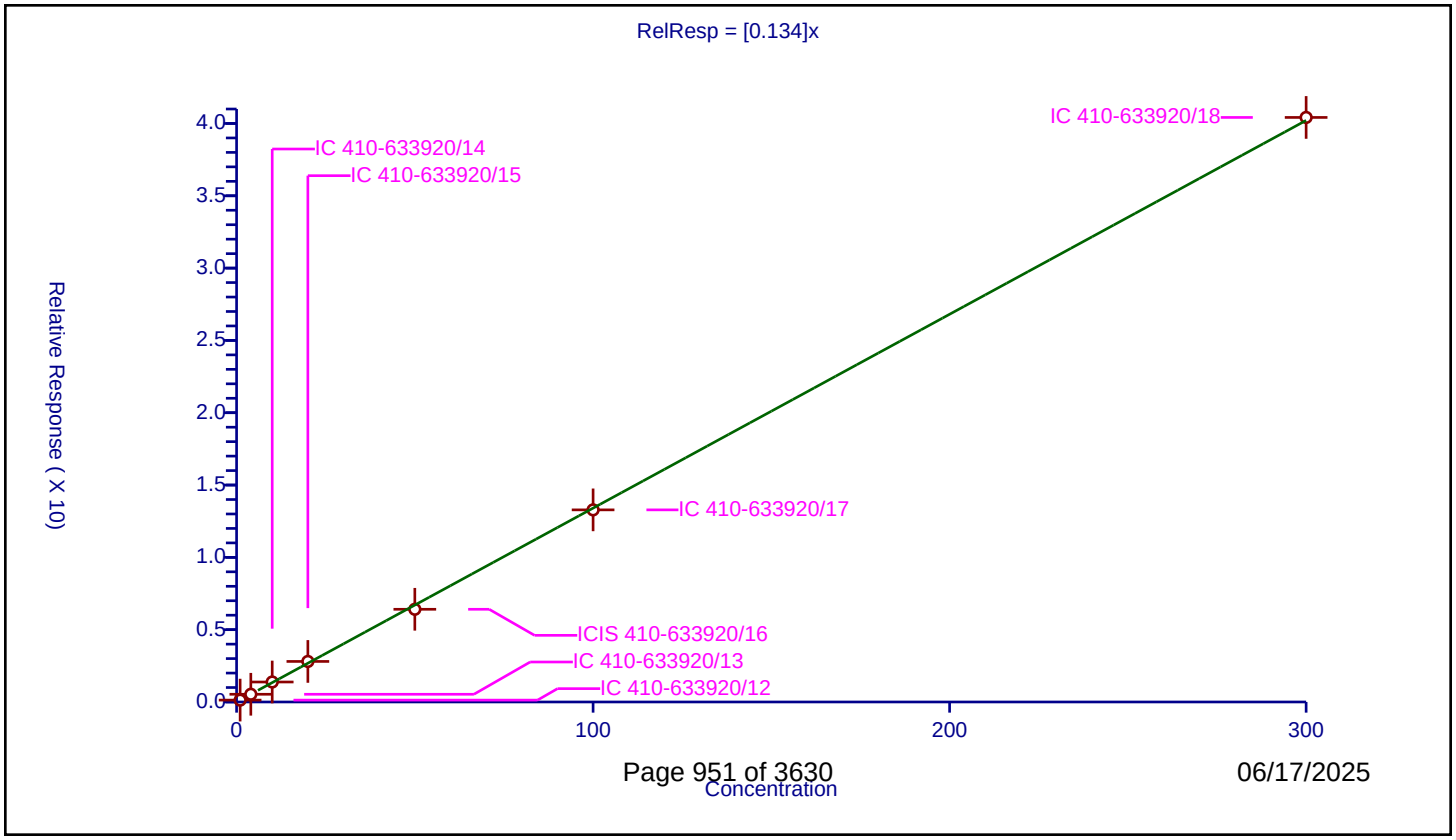
Curve Coefficients

Intercept:	0
Slope:	0.134

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.130834	50.0	1191967.0	0.130834	Y
2	IC 410-633920/13	4.0	0.533136	50.0	1162836.0	0.133284	Y
3	IC 410-633920/14	10.0	1.382514	50.0	1132285.0	0.138251	Y
4	IC 410-633920/15	20.0	2.803235	50.0	1163370.0	0.140162	Y
5	ICIS 410-633920/16	50.0	6.409686	50.0	1209014.0	0.128194	Y
6	IC 410-633920/17	100.0	13.283123	50.0	1235214.0	0.132831	Y
7	IC 410-633920/18	300.0	40.416531	50.0	1099701.0	0.134722	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

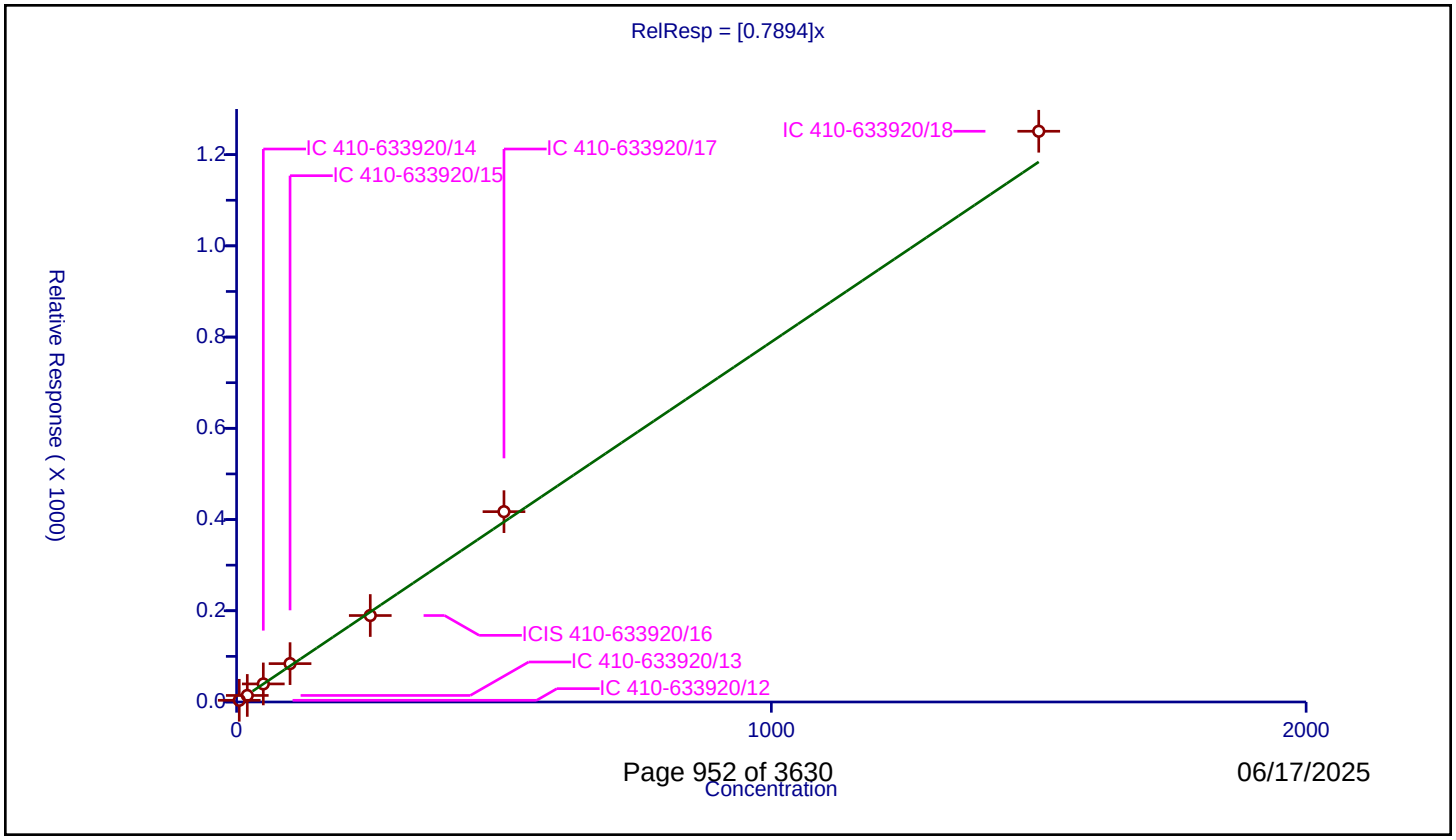
Curve Coefficients

Intercept:	0
Slope:	0.7894

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	5.0	3.739291	250.0	464794.0	0.747858	Y
2	IC 410-633920/13	20.0	14.344923	250.0	446482.0	0.717246	Y
3	IC 410-633920/14	50.0	39.621921	250.0	437157.0	0.792438	Y
4	IC 410-633920/15	100.0	84.088699	250.0	444266.0	0.840887	Y
5	ICIS 410-633920/16	250.0	189.589011	250.0	477409.0	0.758356	Y
6	IC 410-633920/17	500.0	417.29233	250.0	470434.0	0.834585	Y
7	IC 410-633920/18	1500.0	1251.229154	250.0	454581.0	0.834153	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

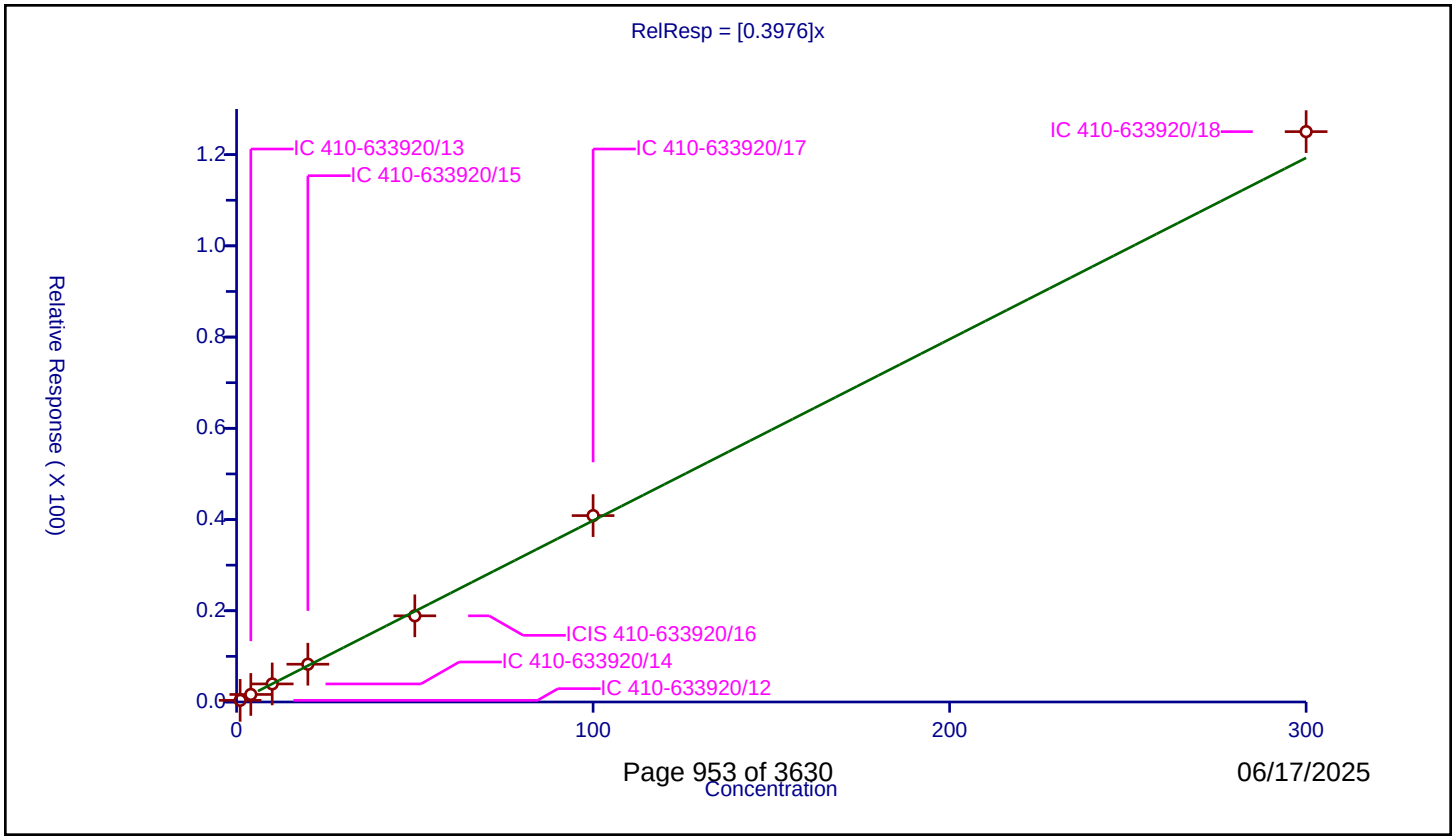
Curve Coefficients

Intercept:	0
Slope:	0.3976

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.356721	50.0	1191967.0	0.356721	Y
2	IC 410-633920/13	4.0	1.653071	50.0	1162836.0	0.413268	Y
3	IC 410-633920/14	10.0	3.962872	50.0	1132285.0	0.396287	Y
4	IC 410-633920/15	20.0	8.27918	50.0	1163370.0	0.413959	Y
5	ICIS 410-633920/16	50.0	18.889856	50.0	1209014.0	0.377797	Y
6	IC 410-633920/17	100.0	40.862353	50.0	1235214.0	0.408624	Y
7	IC 410-633920/18	300.0	125.040807	50.0	1099701.0	0.416803	Y



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Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

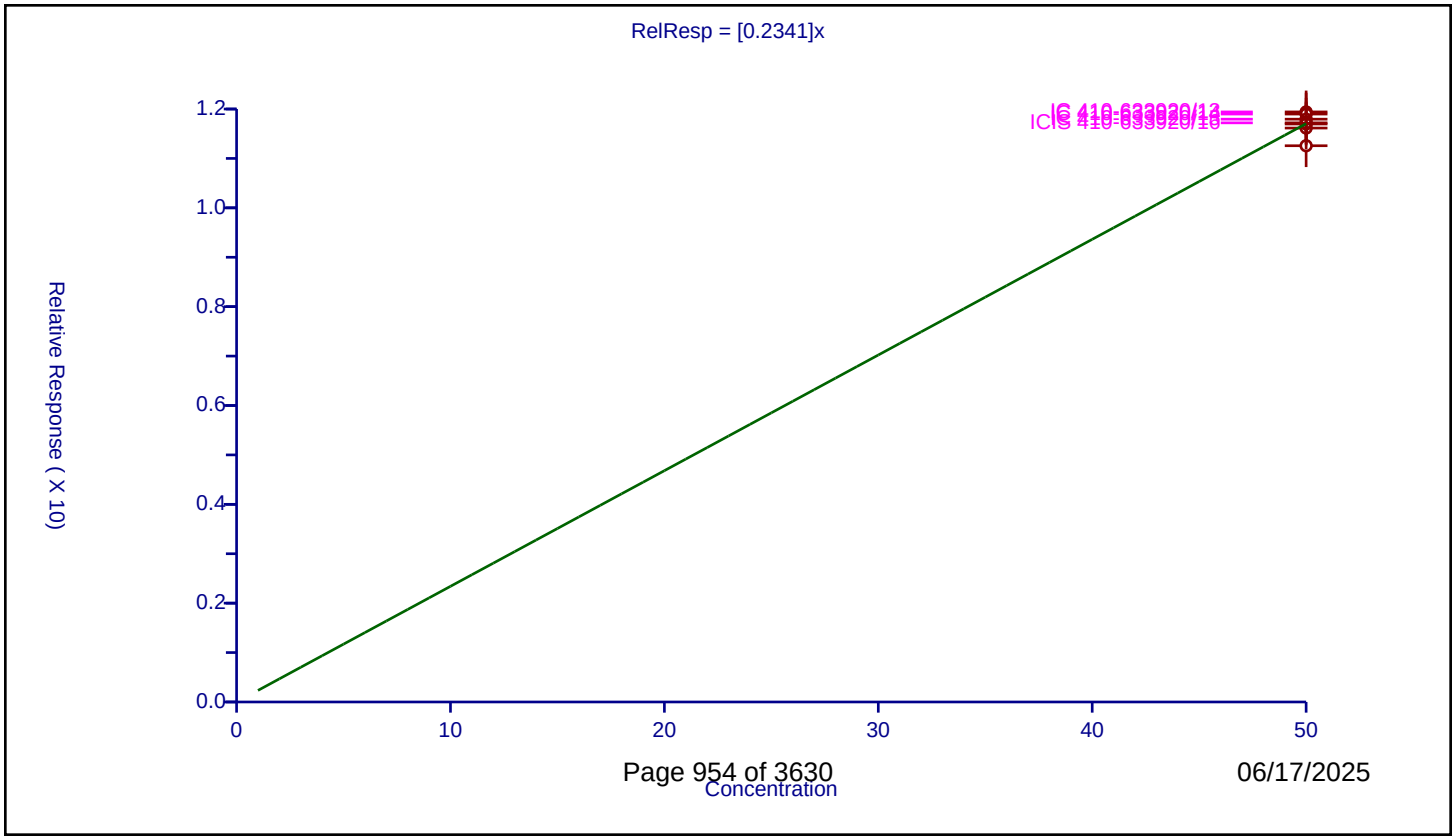
Curve Coefficients

Intercept:	0
Slope:	0.2341

Error Coefficients

Relative Standard Deviation:	1.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	50.0	11.614919	50.0	1191967.0	0.232298	Y
2	IC 410-633920/13	50.0	11.941194	50.0	1162836.0	0.238824	Y
3	IC 410-633920/14	50.0	11.898109	50.0	1132285.0	0.237962	Y
4	IC 410-633920/15	50.0	11.794184	50.0	1163370.0	0.235884	Y
5	ICIS 410-633920/16	50.0	11.719715	50.0	1209014.0	0.234394	Y
6	IC 410-633920/17	50.0	11.696556	50.0	1235214.0	0.233931	Y
7	IC 410-633920/18	50.0	11.25706	50.0	1099701.0	0.225141	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

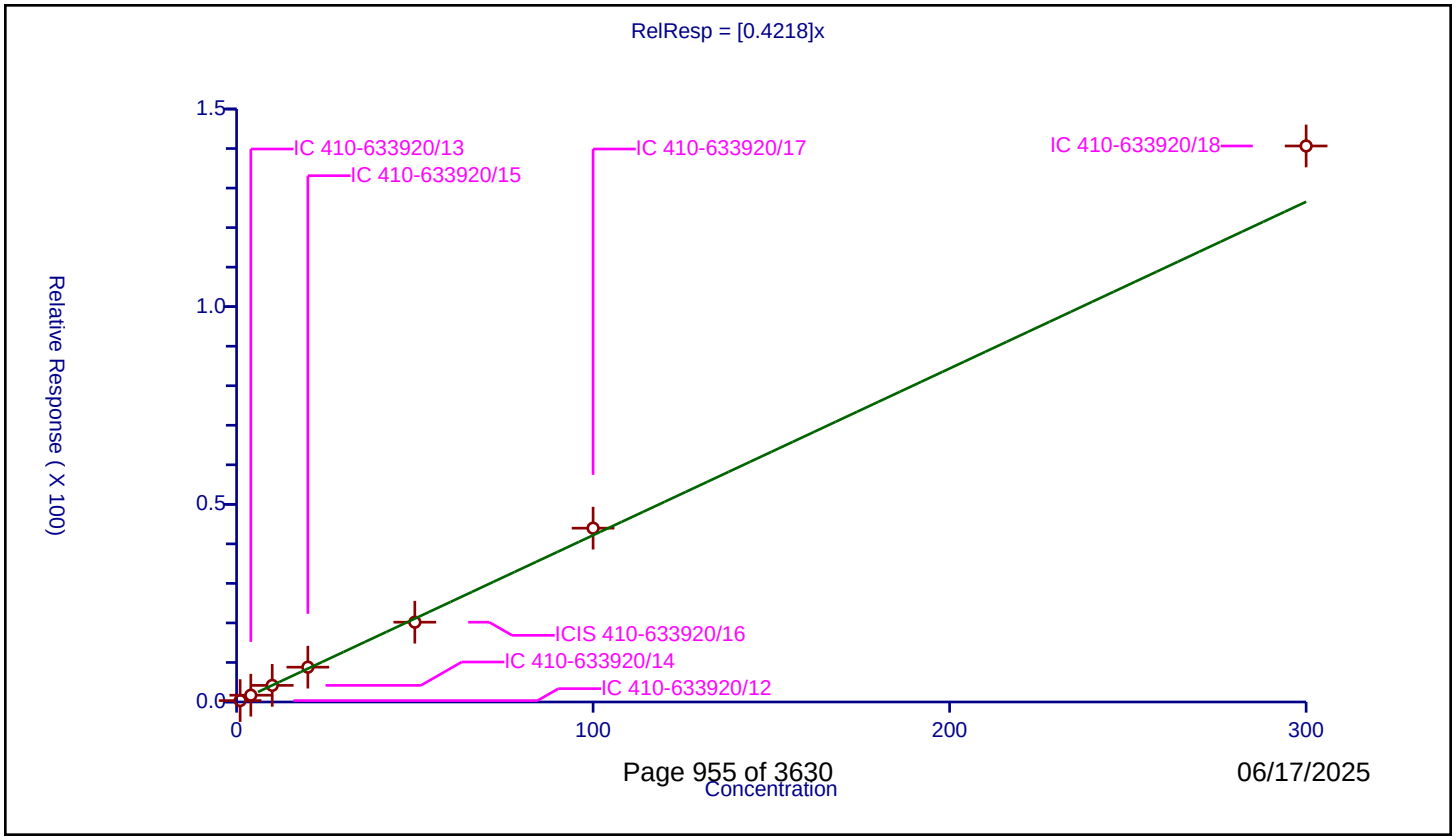
Curve Coefficients

Intercept:	0
Slope:	0.4218

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.350891	50.0	1191967.0	0.350891	Y
2	IC 410-633920/13	4.0	1.716837	50.0	1162836.0	0.429209	Y
3	IC 410-633920/14	10.0	4.199826	50.0	1132285.0	0.419983	Y
4	IC 410-633920/15	20.0	8.804508	50.0	1163370.0	0.440225	Y
5	ICIS 410-633920/16	50.0	20.1886	50.0	1209014.0	0.403772	Y
6	IC 410-633920/17	100.0	43.973028	50.0	1235214.0	0.43973	Y
7	IC 410-633920/18	300.0	140.648322	50.0	1099701.0	0.468828	Y



06/17/2025

Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

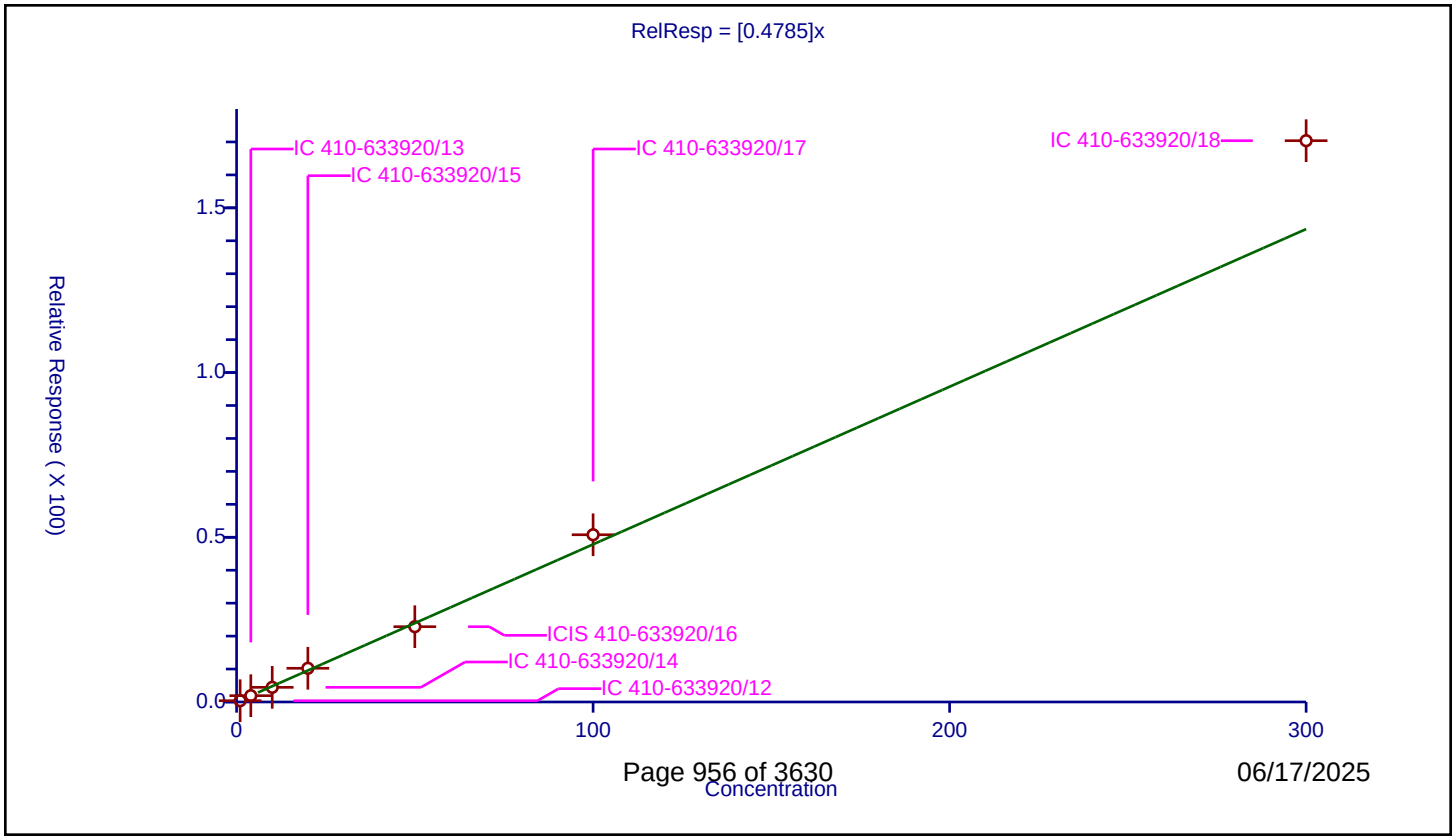
Curve Coefficients

Intercept:	0
Slope:	0.4785

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.381554	50.0	1191967.0	0.381554	Y
2	IC 410-633920/13	4.0	1.914199	50.0	1162836.0	0.47855	Y
3	IC 410-633920/14	10.0	4.447025	50.0	1132285.0	0.444703	Y
4	IC 410-633920/15	20.0	10.237328	50.0	1163370.0	0.511866	Y
5	ICIS 410-633920/16	50.0	22.856973	50.0	1209014.0	0.457139	Y
6	IC 410-633920/17	100.0	50.763835	50.0	1235214.0	0.507638	Y
7	IC 410-633920/18	300.0	170.384632	50.0	1099701.0	0.567949	Y



06/17/2025

Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

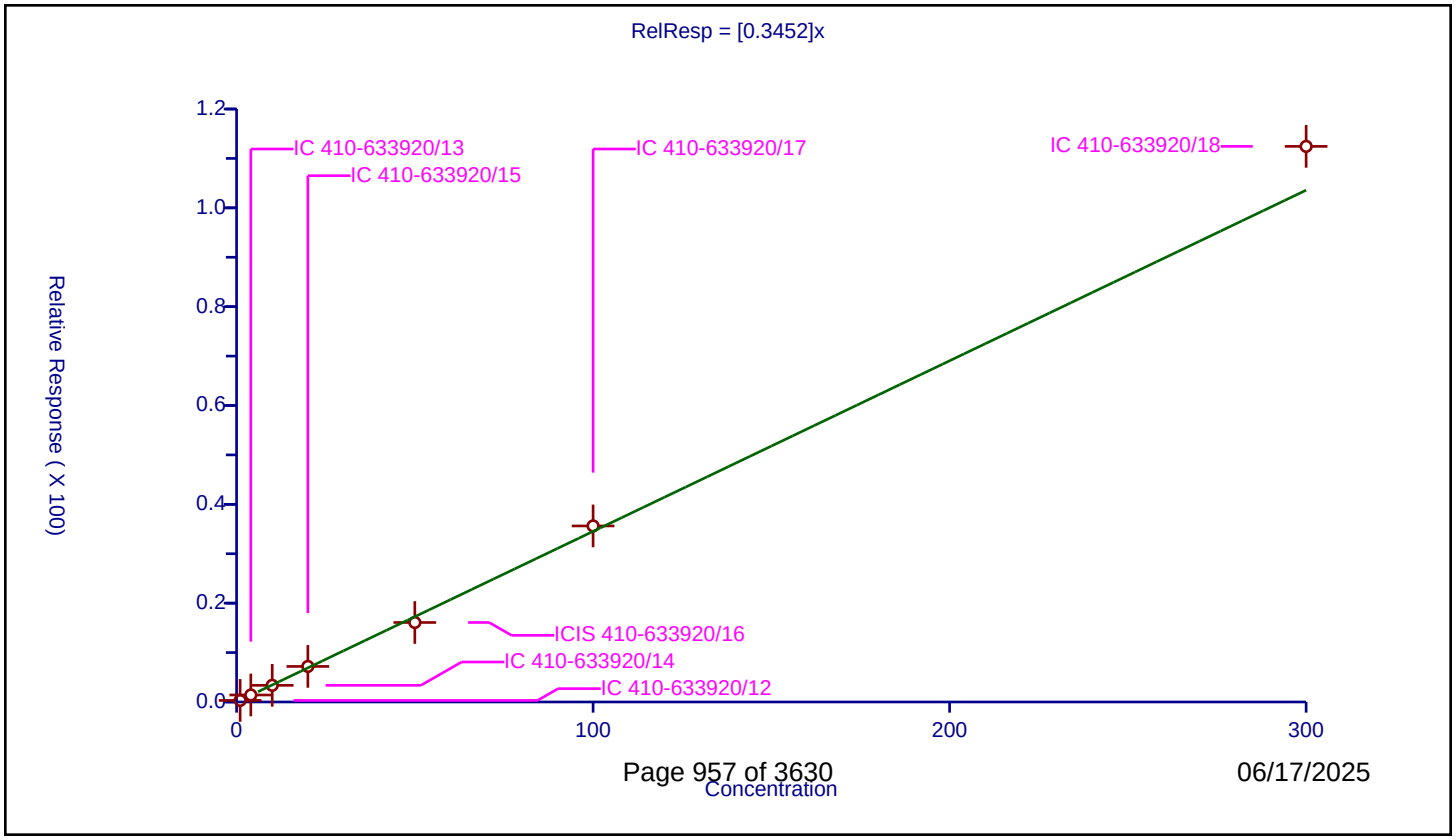
Curve Coefficients

Intercept:	0
Slope:	0.3452

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.313222	50.0	1191967.0	0.313222	Y
2	IC 410-633920/13	4.0	1.415892	50.0	1162836.0	0.353973	Y
3	IC 410-633920/14	10.0	3.368145	50.0	1132285.0	0.336814	Y
4	IC 410-633920/15	20.0	7.198355	50.0	1163370.0	0.359918	Y
5	ICIS 410-633920/16	50.0	16.088193	50.0	1209014.0	0.321764	Y
6	IC 410-633920/17	100.0	35.623989	50.0	1235214.0	0.35624	Y
7	IC 410-633920/18	300.0	112.437881	50.0	1099701.0	0.374793	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

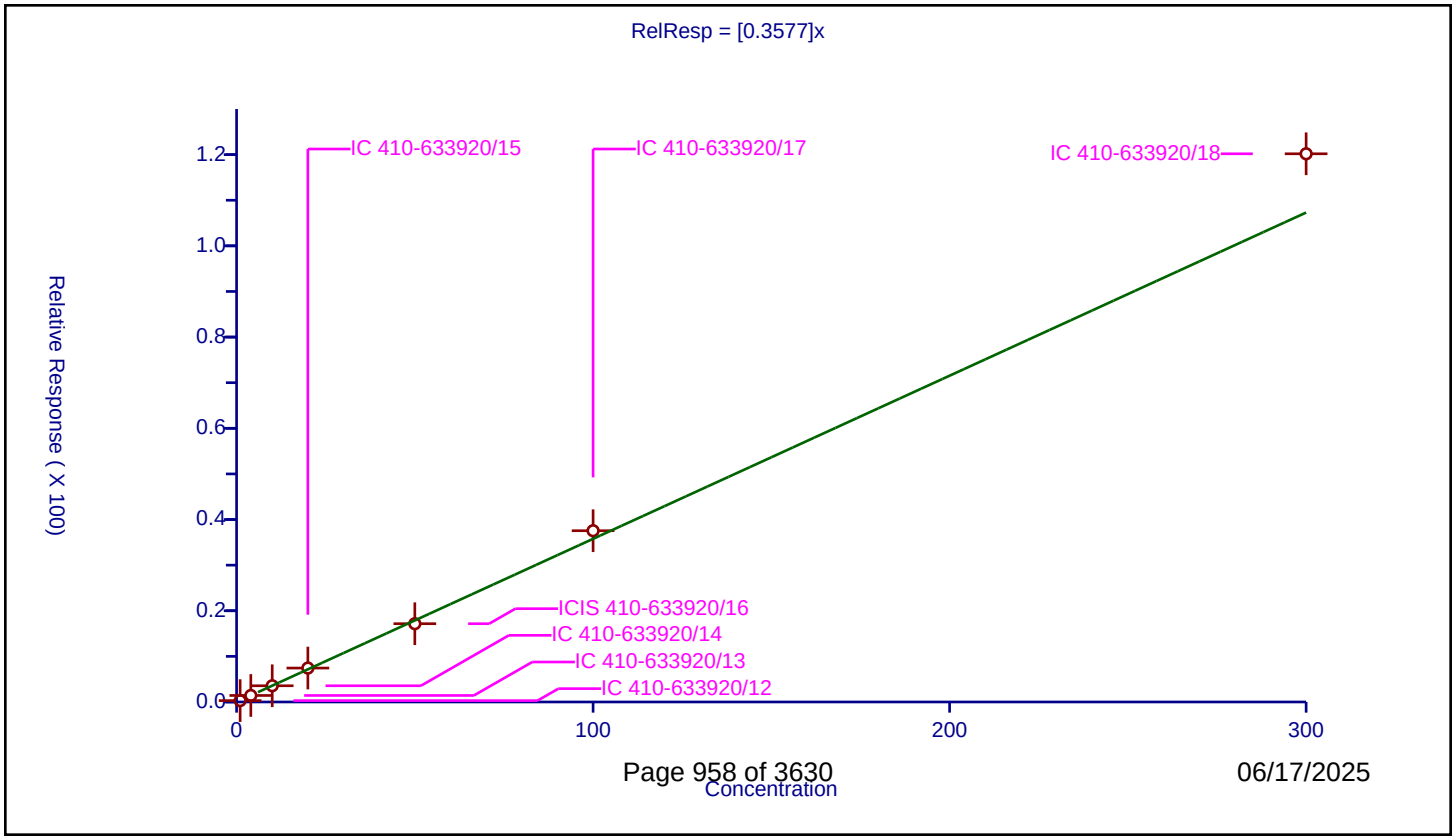
Curve Coefficients

Intercept:	0
Slope:	0.3577

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.299757	50.0	1191967.0	0.299757	Y
2	IC 410-633920/13	4.0	1.428189	50.0	1162836.0	0.357047	Y
3	IC 410-633920/14	10.0	3.556039	50.0	1132285.0	0.355604	Y
4	IC 410-633920/15	20.0	7.438089	50.0	1163370.0	0.371904	Y
5	ICIS 410-633920/16	50.0	17.162622	50.0	1209014.0	0.343252	Y
6	IC 410-633920/17	100.0	37.549485	50.0	1235214.0	0.375495	Y
7	IC 410-633920/18	300.0	120.184441	50.0	1099701.0	0.400615	Y



06/17/2025

Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

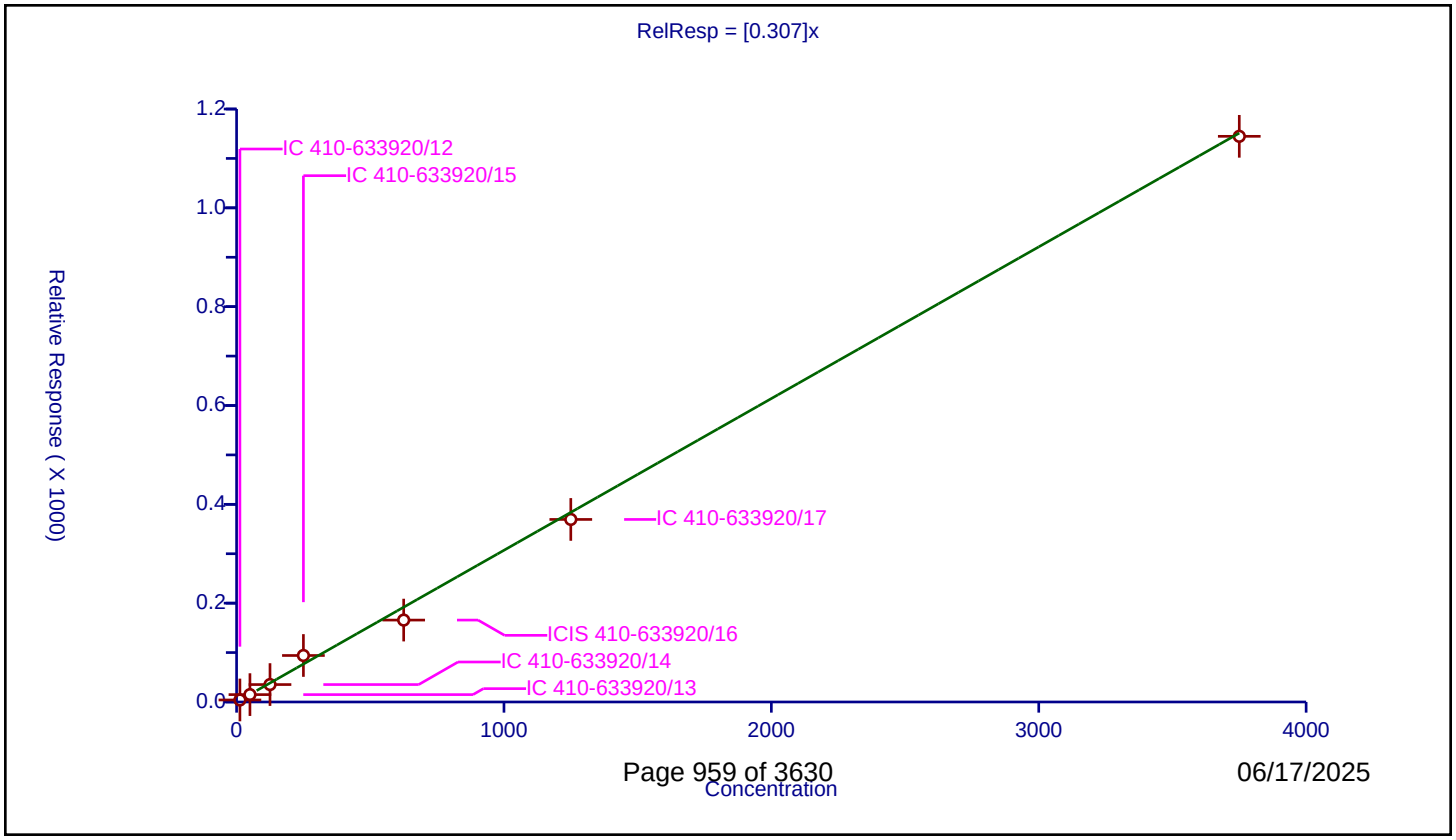
Curve Coefficients

Intercept:	0
Slope:	0.307

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	12.5	4.07331	250.0	464794.0	0.325865	Y
2	IC 410-633920/13	50.0	14.930613	250.0	446482.0	0.298612	Y
3	IC 410-633920/14	125.0	35.284806	250.0	437157.0	0.282278	Y
4	IC 410-633920/15	250.0	94.0844	250.0	444266.0	0.376338	Y
5	ICIS 410-633920/16	625.0	165.737868	250.0	477409.0	0.265181	Y
6	IC 410-633920/17	1250.0	369.392944	250.0	470434.0	0.295514	Y
7	IC 410-633920/18	3750.0	1144.75253	250.0	454581.0	0.305267	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

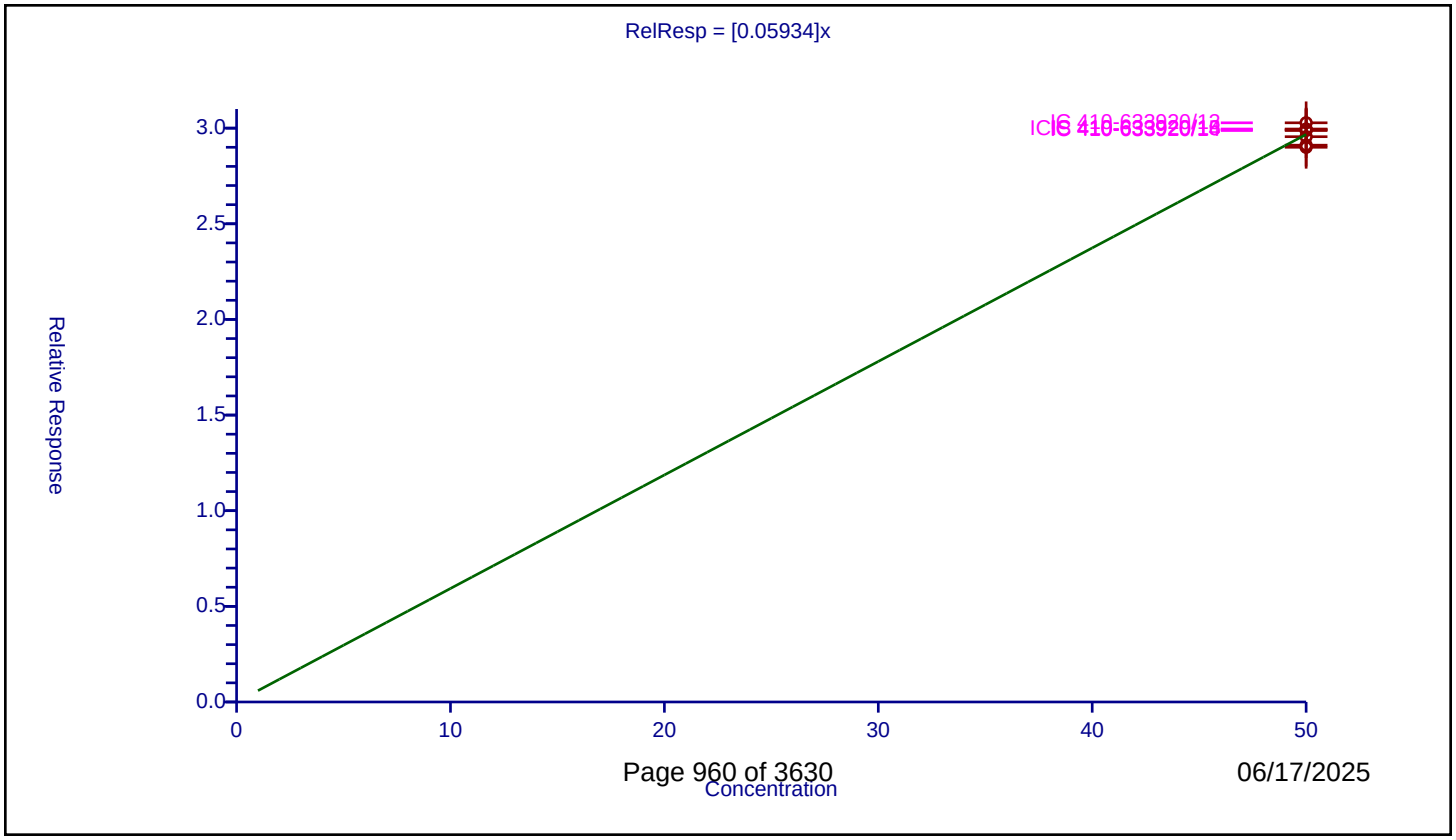
Curve Coefficients

Intercept:	0
Slope:	0.05934

Error Coefficients

Relative Standard Deviation:	1.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	50.0	2.955283	50.0	1191967.0	0.059106	Y
2	IC 410-633920/13	50.0	3.027985	50.0	1162836.0	0.06056	Y
3	IC 410-633920/14	50.0	2.987455	50.0	1132285.0	0.059749	Y
4	IC 410-633920/15	50.0	2.995393	50.0	1163370.0	0.059908	Y
5	ICIS 410-633920/16	50.0	2.992232	50.0	1209014.0	0.059845	Y
6	IC 410-633920/17	50.0	2.899943	50.0	1235214.0	0.057999	Y
7	IC 410-633920/18	50.0	2.910973	50.0	1099701.0	0.058219	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

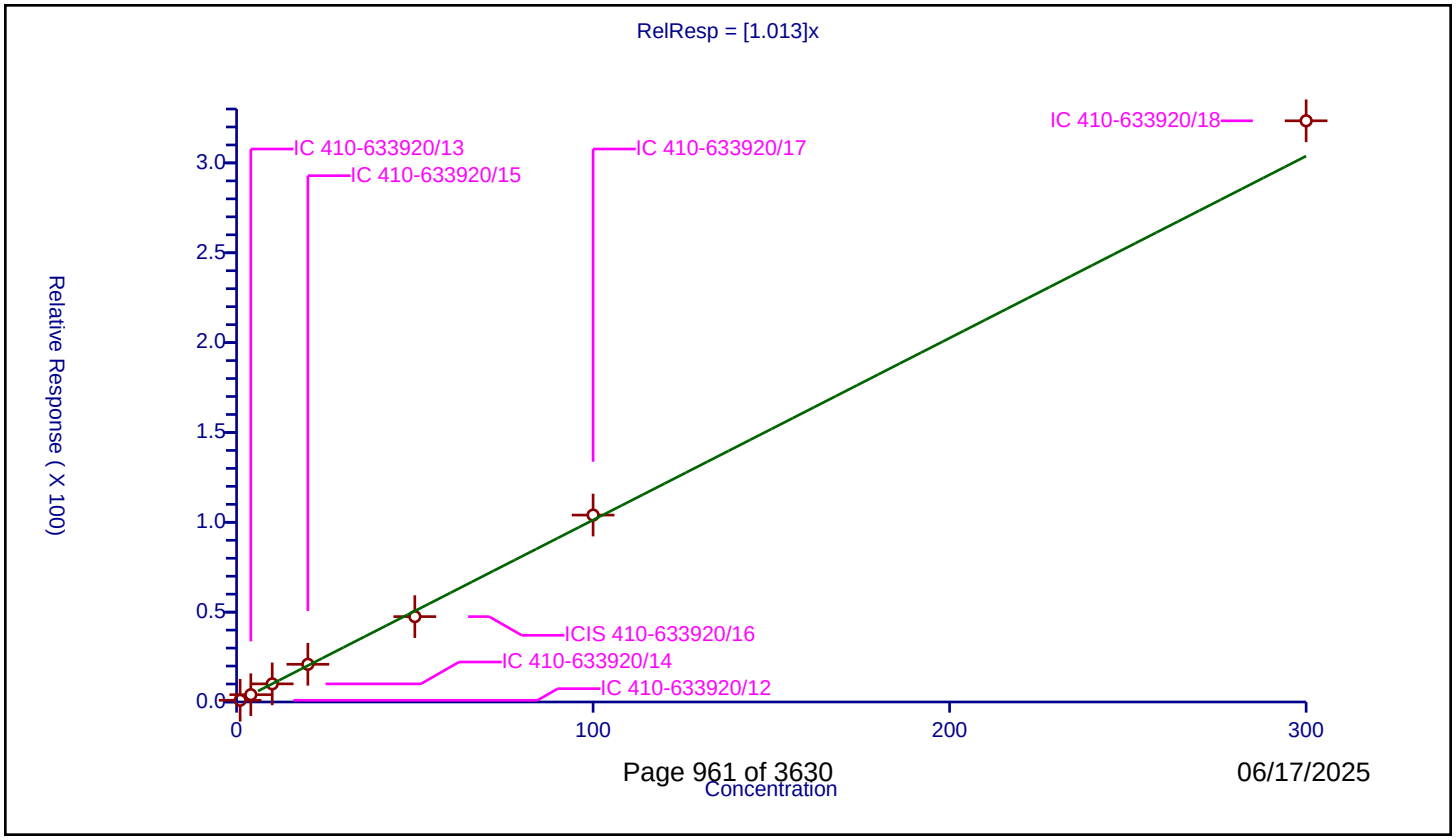
Curve Coefficients

Intercept:	0
Slope:	1.013

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.949859	50.0	1191967.0	0.949859	Y
2	IC 410-633920/13	4.0	4.053753	50.0	1162836.0	1.013438	Y
3	IC 410-633920/14	10.0	10.081958	50.0	1132285.0	1.008196	Y
4	IC 410-633920/15	20.0	20.97209	50.0	1163370.0	1.048604	Y
5	ICIS 410-633920/16	50.0	47.512105	50.0	1209014.0	0.950242	Y
6	IC 410-633920/17	100.0	104.019101	50.0	1235214.0	1.040191	Y
7	IC 410-633920/18	300.0	323.435234	50.0	1099701.0	1.078117	Y



06/17/2025

Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

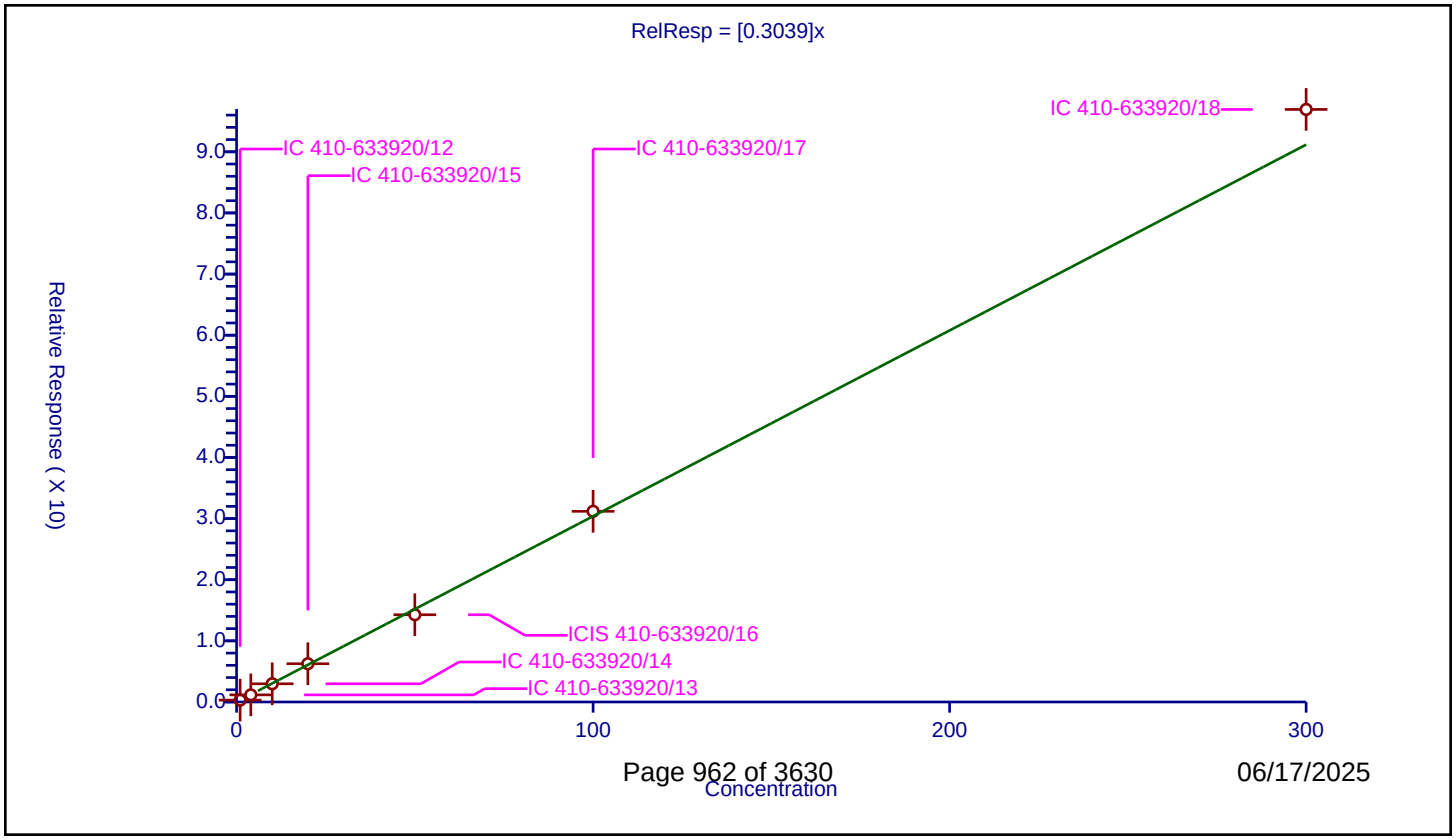
Curve Coefficients

Intercept:	0
Slope:	0.3039

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.304958	50.0	1191967.0	0.304958	Y
2	IC 410-633920/13	4.0	1.164653	50.0	1162836.0	0.291163	Y
3	IC 410-633920/14	10.0	2.977872	50.0	1132285.0	0.297787	Y
4	IC 410-633920/15	20.0	6.259101	50.0	1163370.0	0.312955	Y
5	ICIS 410-633920/16	50.0	14.271423	50.0	1209014.0	0.285428	Y
6	IC 410-633920/17	100.0	31.189737	50.0	1235214.0	0.311897	Y
7	IC 410-633920/18	300.0	96.93012	50.0	1099701.0	0.3231	Y



Calibration / Tert-amyl methyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

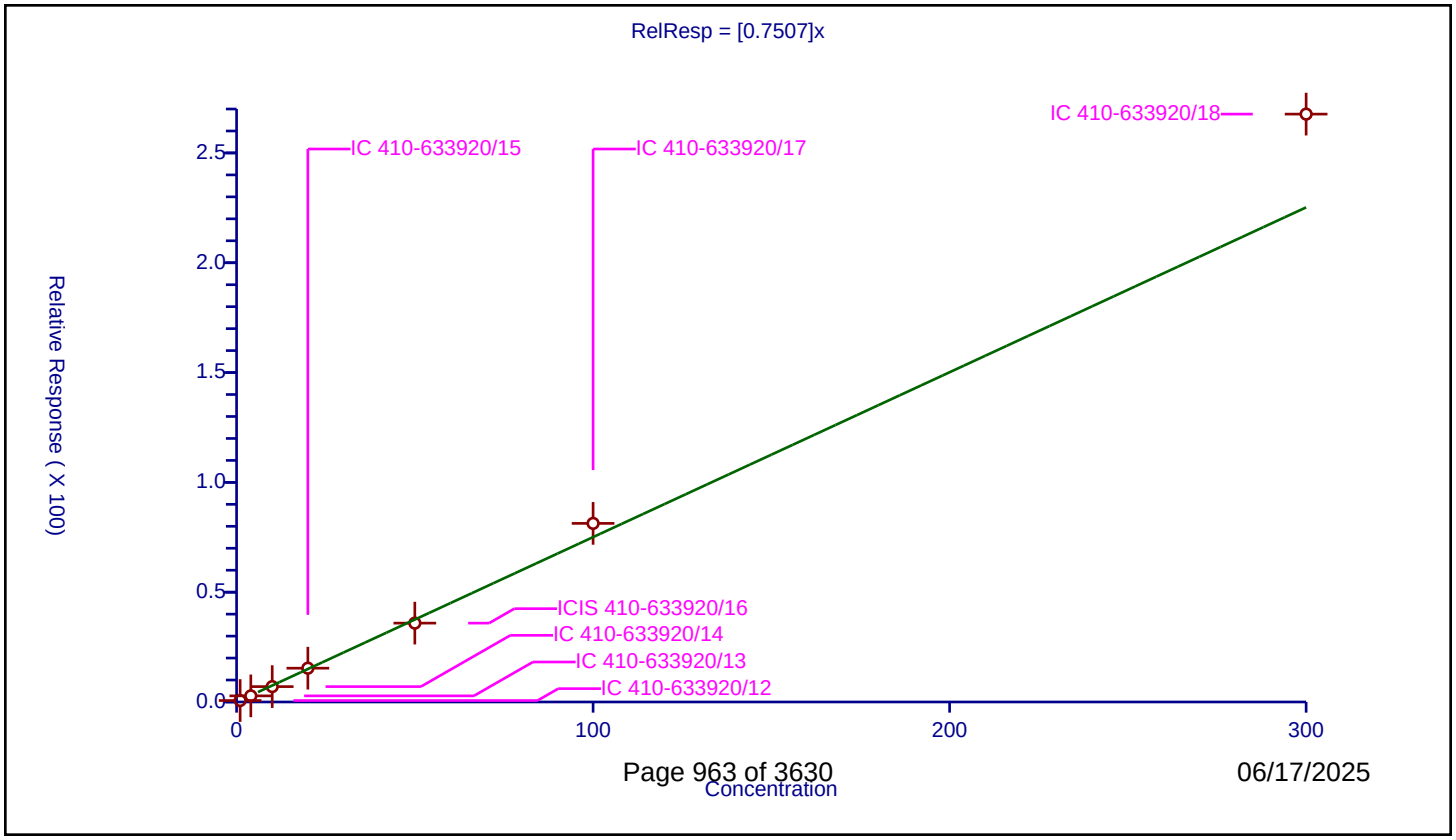
Curve Coefficients

Intercept:	0
Slope:	0.7507

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.664909	50.0	1191967.0	0.664909	Y
2	IC 410-633920/13	4.0	2.785947	50.0	1162836.0	0.696487	Y
3	IC 410-633920/14	10.0	6.999651	50.0	1132285.0	0.699965	Y
4	IC 410-633920/15	20.0	15.395919	50.0	1163370.0	0.769796	Y
5	ICIS 410-633920/16	50.0	35.915713	50.0	1209014.0	0.718314	Y
6	IC 410-633920/17	100.0	81.317934	50.0	1235214.0	0.813179	Y
7	IC 410-633920/18	300.0	267.676305	50.0	1099701.0	0.892254	Y



06/17/2025

Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

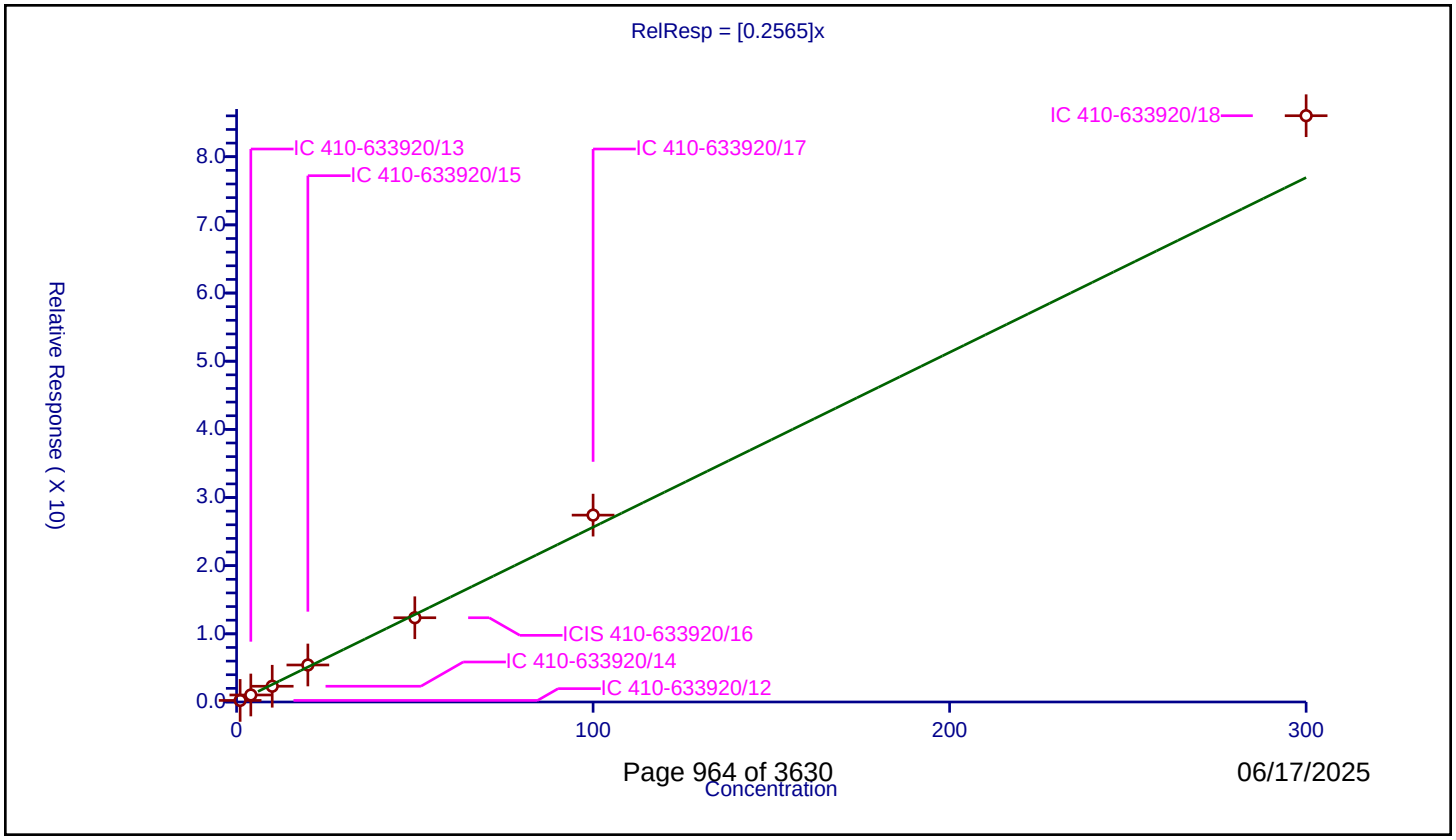
Curve Coefficients

Intercept:	0
Slope:	0.2565

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.227565	50.0	1191967.0	0.227565	Y
2	IC 410-633920/13	4.0	1.028133	50.0	1162836.0	0.257033	Y
3	IC 410-633920/14	10.0	2.311123	50.0	1132285.0	0.231112	Y
4	IC 410-633920/15	20.0	5.430087	50.0	1163370.0	0.271504	Y
5	ICIS 410-633920/16	50.0	12.361685	50.0	1209014.0	0.247234	Y
6	IC 410-633920/17	100.0	27.414966	50.0	1235214.0	0.27415	Y
7	IC 410-633920/18	300.0	86.018381	50.0	1099701.0	0.286728	Y



06/17/2025

Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

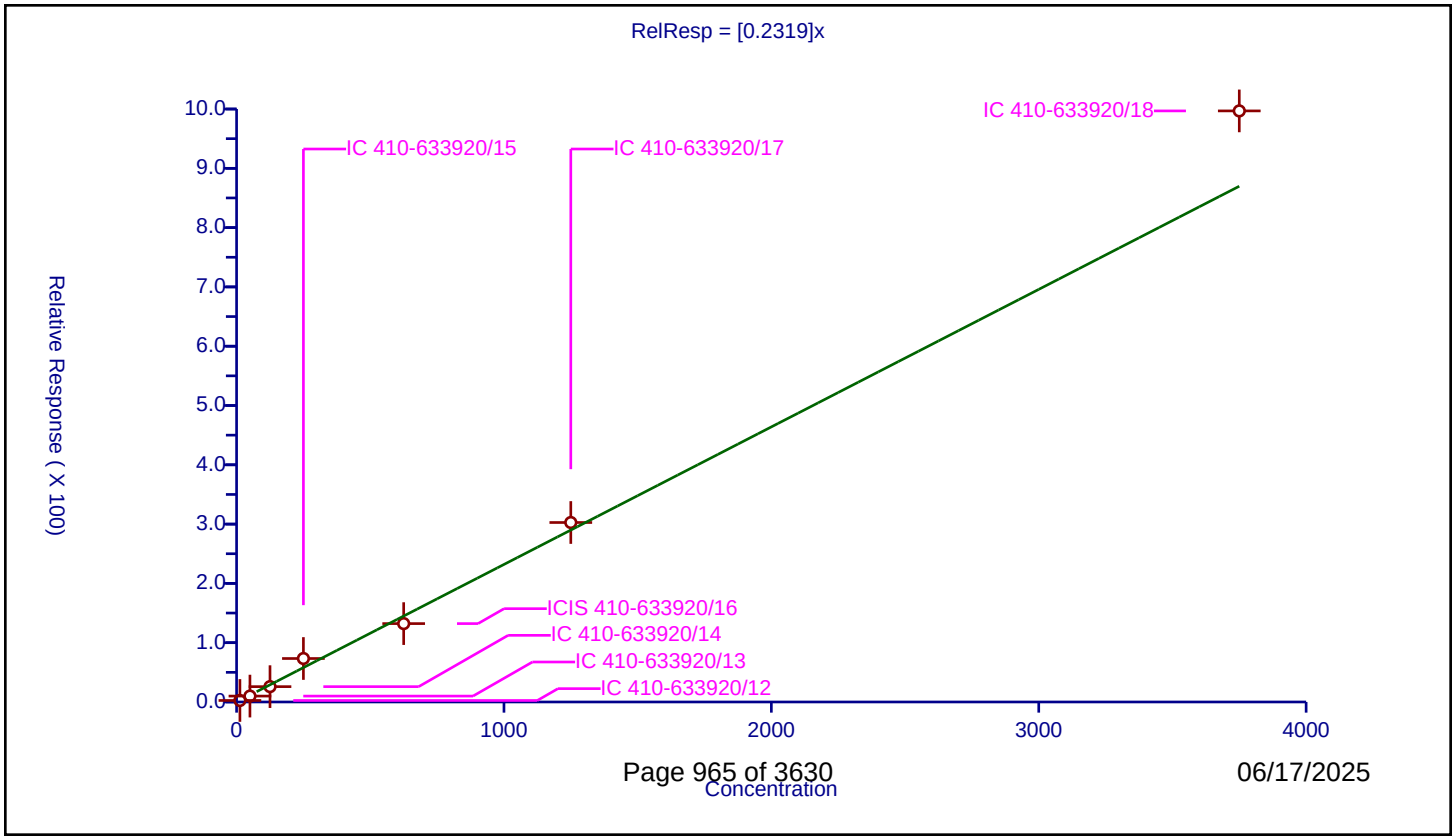
Curve Coefficients

Intercept:	0
Slope:	0.2319

Error Coefficients

Relative Standard Deviation:	15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	12.5	2.554357	250.0	464794.0	0.204349	Y
2	IC 410-633920/13	50.0	9.974086	250.0	446482.0	0.199482	Y
3	IC 410-633920/14	125.0	25.88944	250.0	437157.0	0.207116	Y
4	IC 410-633920/15	250.0	73.310809	250.0	444266.0	0.293243	Y
5	ICIS 410-633920/16	625.0	132.170215	250.0	477409.0	0.211472	Y
6	IC 410-633920/17	1250.0	302.655633	250.0	470434.0	0.242125	Y
7	IC 410-633920/18	3750.0	996.80475	250.0	454581.0	0.265815	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

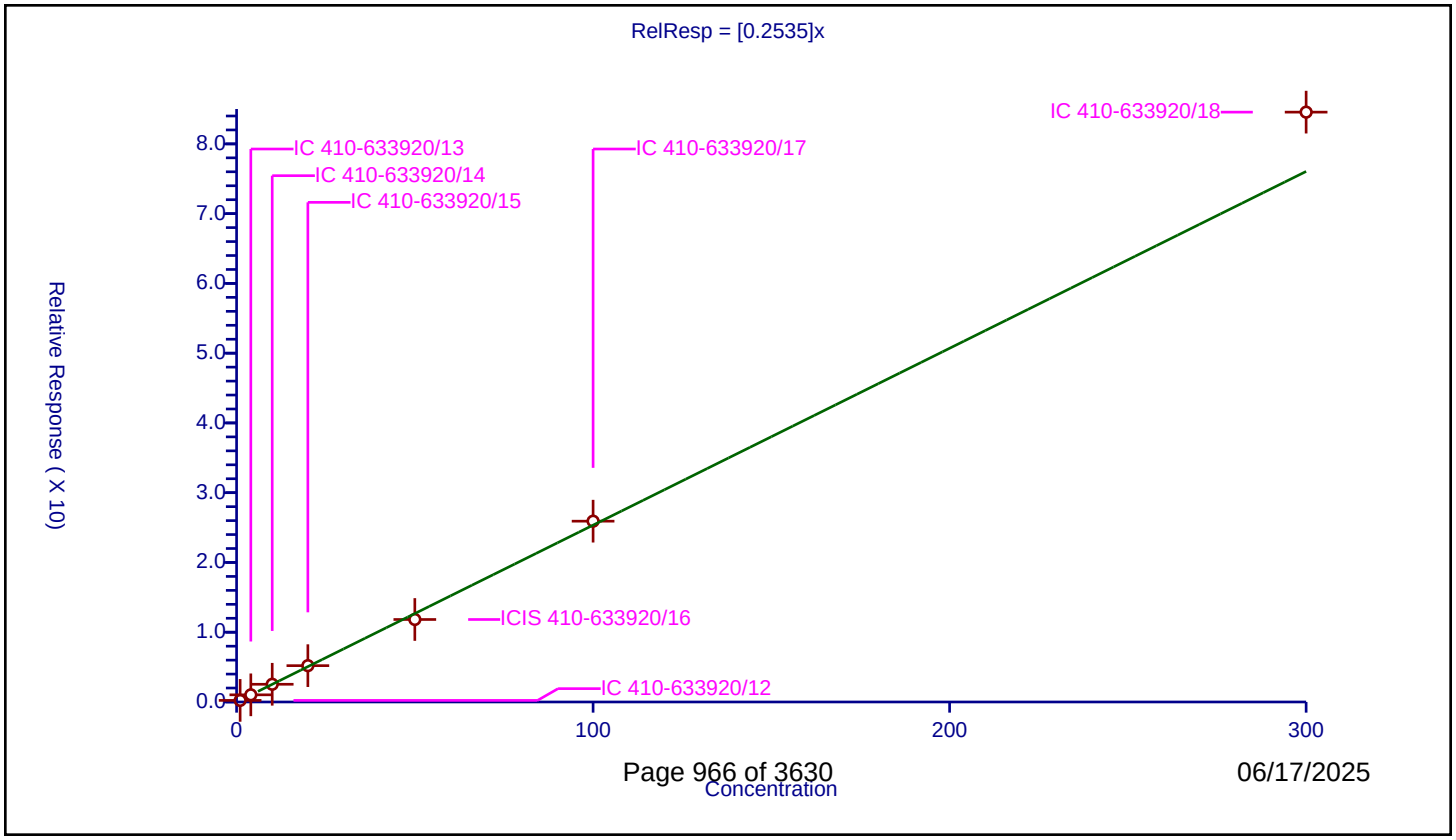
Curve Coefficients

Intercept:	0
Slope:	0.2535

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.226474	50.0	1191967.0	0.226474	Y
2	IC 410-633920/13	4.0	1.024908	50.0	1162836.0	0.256227	Y
3	IC 410-633920/14	10.0	2.539687	50.0	1132285.0	0.253969	Y
4	IC 410-633920/15	20.0	5.206598	50.0	1163370.0	0.26033	Y
5	ICIS 410-633920/16	50.0	11.825876	50.0	1209014.0	0.236518	Y
6	IC 410-633920/17	100.0	25.919598	50.0	1235214.0	0.259196	Y
7	IC 410-633920/18	300.0	84.552119	50.0	1099701.0	0.28184	Y



06/17/2025

Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

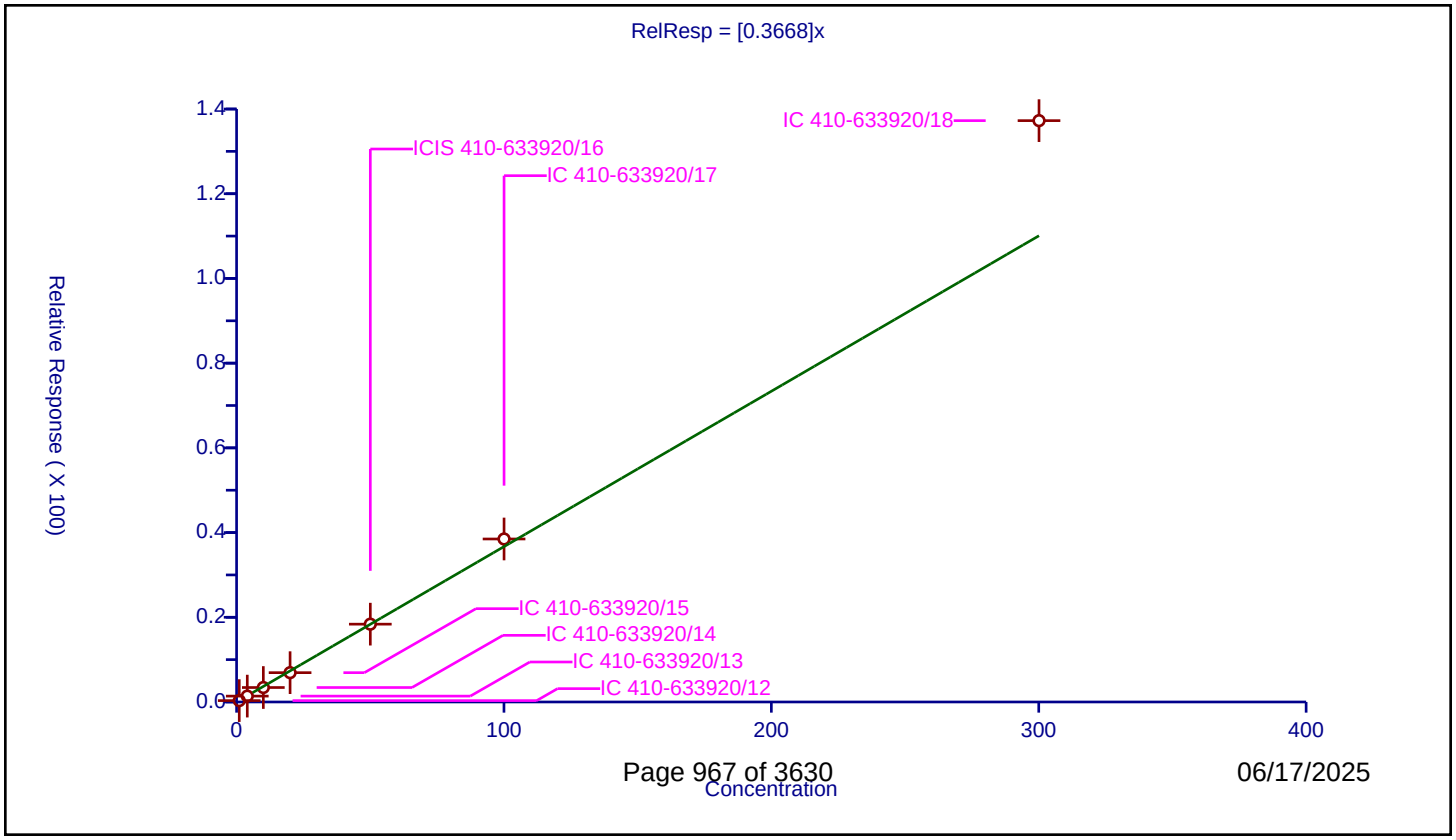
Curve Coefficients

Intercept:	0
Slope:	0.3668

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.000354	0.323876	50.0	1191967.0	0.323762	Y
2	IC 410-633920/13	4.001415	1.388631	50.0	1162836.0	0.347035	Y
3	IC 410-633920/14	10.003538	3.413893	50.0	1132285.0	0.341269	Y
4	IC 410-633920/15	20.007076	6.925441	50.0	1163370.0	0.34615	Y
5	ICIS 410-633920/16	50.01769	18.377537	50.0	1209014.0	0.367421	Y
6	IC 410-633920/17	100.03538	38.48402	50.0	1235214.0	0.384704	Y
7	IC 410-633920/18	300.10614	137.256809	50.0	1099701.0	0.457361	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

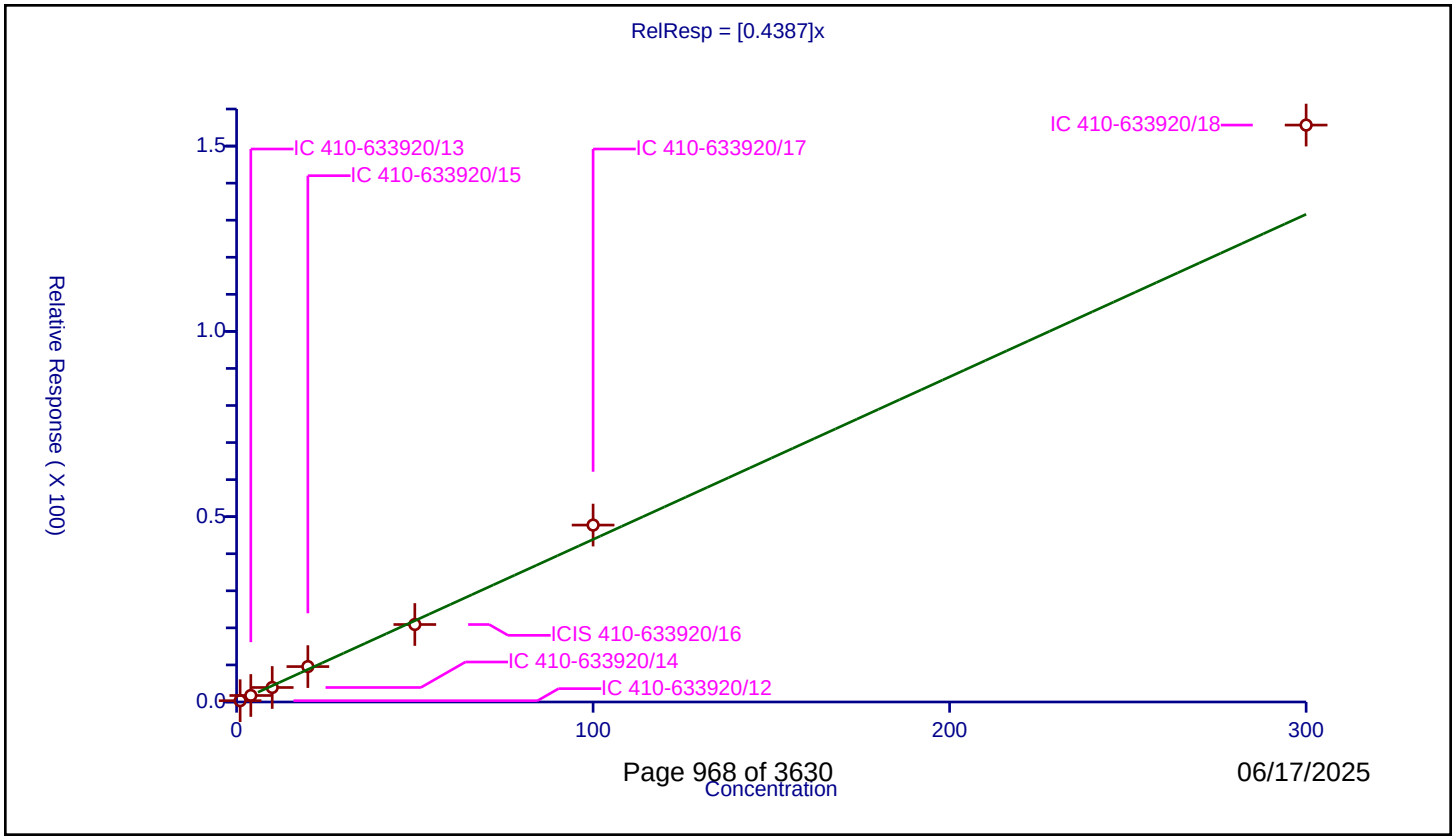
Curve Coefficients

Intercept:	0
Slope:	0.4387

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.348248	50.0	1191967.0	0.348248	Y
2	IC 410-633920/13	4.0	1.755192	50.0	1162836.0	0.438798	Y
3	IC 410-633920/14	10.0	3.913282	50.0	1132285.0	0.391328	Y
4	IC 410-633920/15	20.0	9.554613	50.0	1163370.0	0.477731	Y
5	ICIS 410-633920/16	50.0	20.908608	50.0	1209014.0	0.418172	Y
6	IC 410-633920/17	100.0	47.73853	50.0	1235214.0	0.477385	Y
7	IC 410-633920/18	300.0	155.671633	50.0	1099701.0	0.518905	Y



06/17/2025

Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

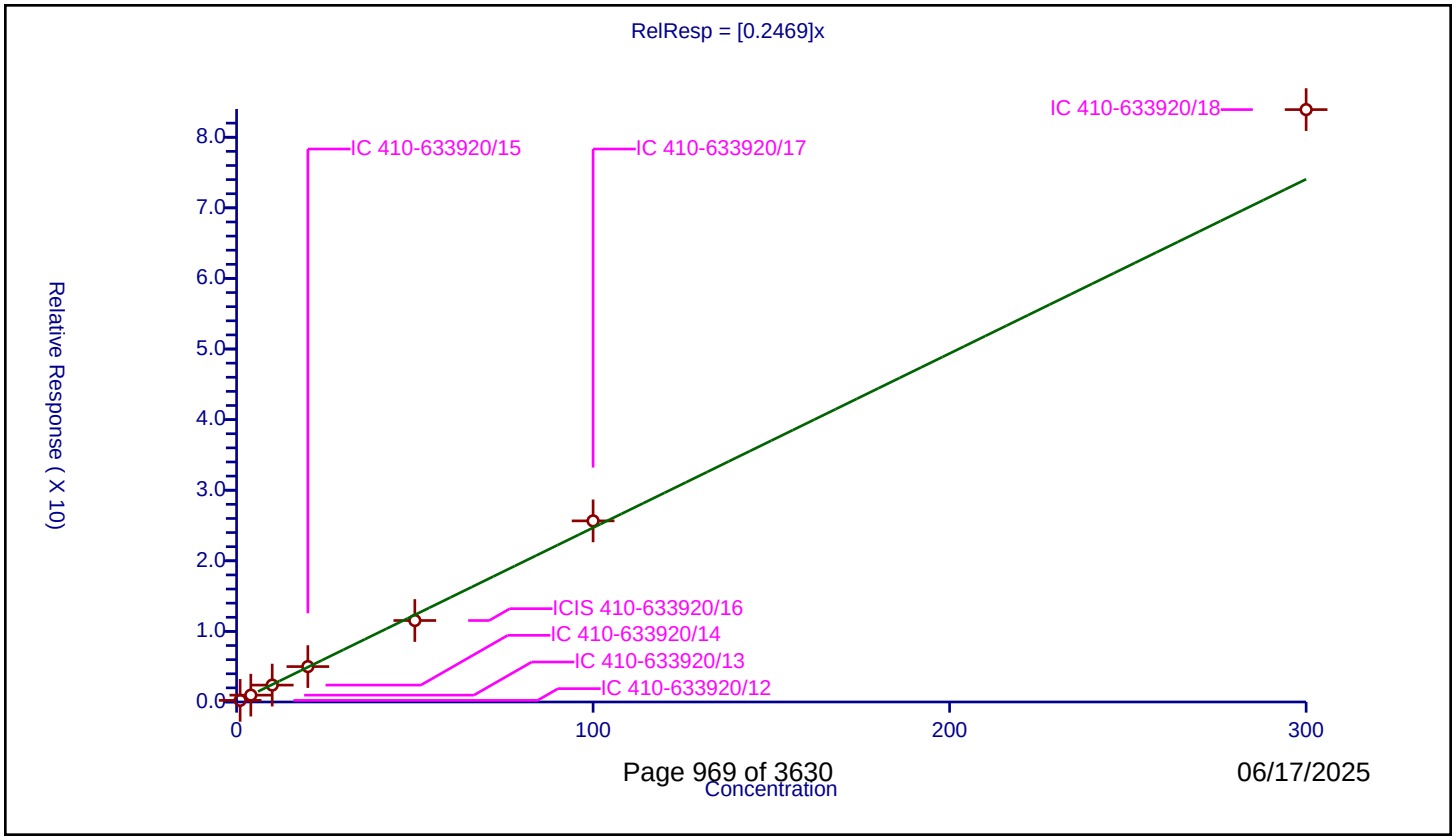
Curve Coefficients

Intercept:	0
Slope:	0.2469

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.228782	50.0	1191967.0	0.228782	Y
2	IC 410-633920/13	4.0	0.967892	50.0	1162836.0	0.241973	Y
3	IC 410-633920/14	10.0	2.393479	50.0	1132285.0	0.239348	Y
4	IC 410-633920/15	20.0	5.015043	50.0	1163370.0	0.250752	Y
5	ICIS 410-633920/16	50.0	11.543746	50.0	1209014.0	0.230875	Y
6	IC 410-633920/17	100.0	25.654097	50.0	1235214.0	0.256541	Y
7	IC 410-633920/18	300.0	83.916719	50.0	1099701.0	0.279722	Y



Calibration / 2-ethoxy-2-methyl butane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

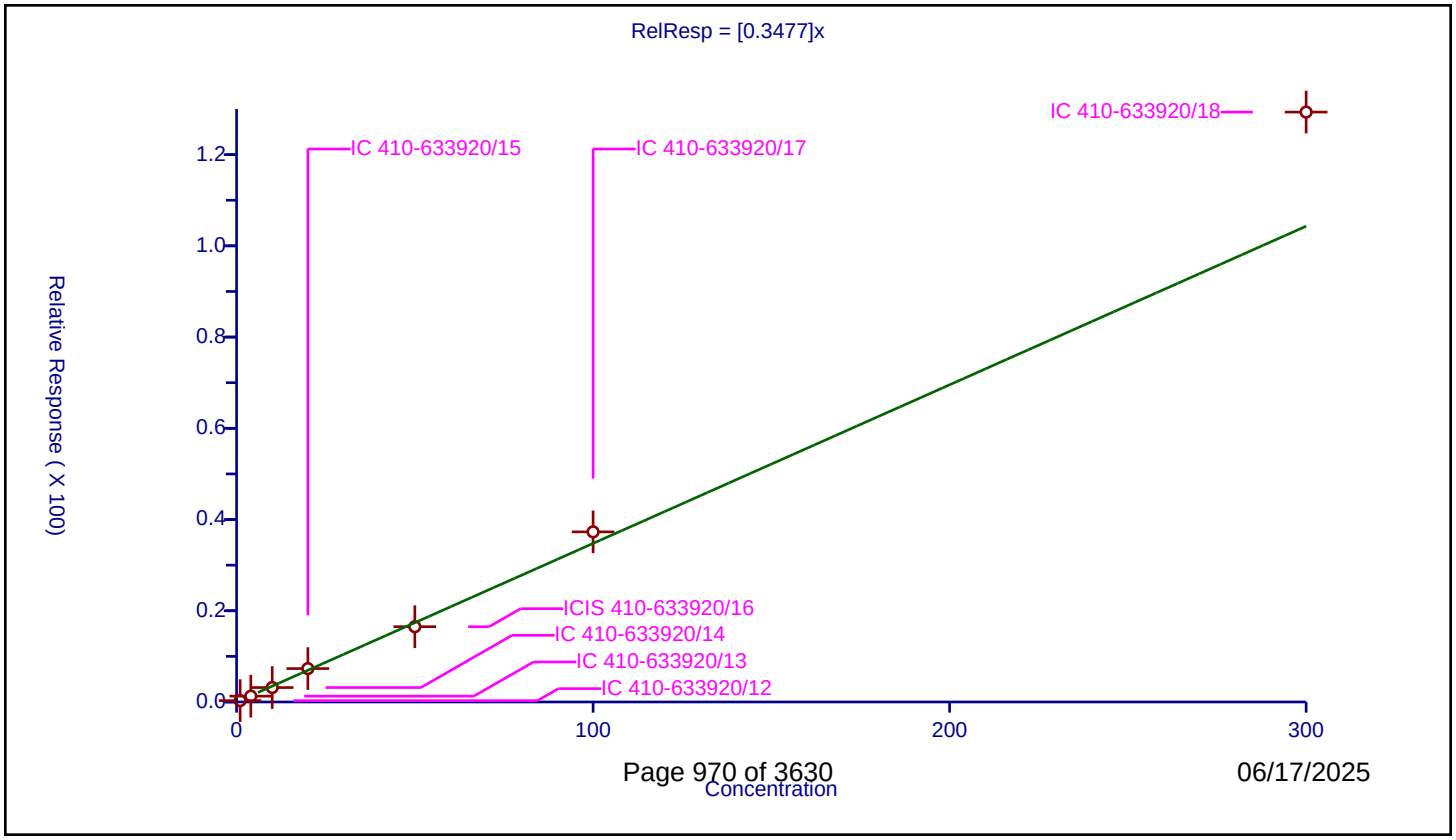
Curve Coefficients

Intercept:	0
Slope:	0.3477

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.296778	50.0	1191967.0	0.296778	Y
2	IC 410-633920/13	4.0	1.281651	50.0	1162836.0	0.320413	Y
3	IC 410-633920/14	10.0	3.164177	50.0	1132285.0	0.316418	Y
4	IC 410-633920/15	20.0	7.321918	50.0	1163370.0	0.366096	Y
5	ICIS 410-633920/16	50.0	16.504027	50.0	1209014.0	0.330081	Y
6	IC 410-633920/17	100.0	37.295805	50.0	1235214.0	0.372958	Y
7	IC 410-633920/18	300.0	129.326108	50.0	1099701.0	0.431087	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

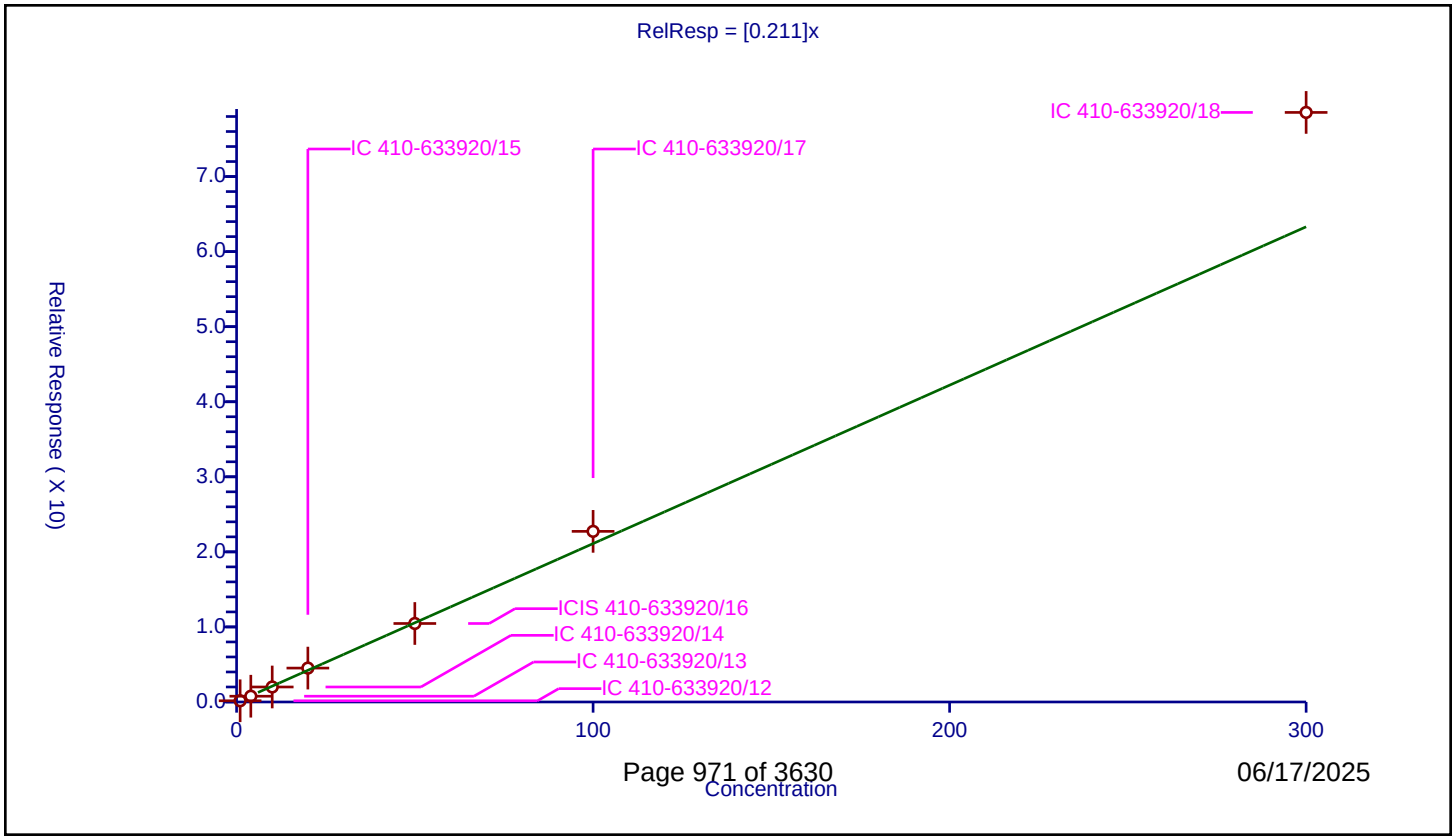
Curve Coefficients

Intercept:	0
Slope:	0.211

Error Coefficients

Relative Standard Deviation:	15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.160869	50.0	1191967.0	0.160869	Y
2	IC 410-633920/13	4.0	0.769455	50.0	1162836.0	0.192364	Y
3	IC 410-633920/14	10.0	1.997509	50.0	1132285.0	0.199751	Y
4	IC 410-633920/15	20.0	4.518597	50.0	1163370.0	0.22593	Y
5	ICIS 410-633920/16	50.0	10.457902	50.0	1209014.0	0.209158	Y
6	IC 410-633920/17	100.0	22.731729	50.0	1235214.0	0.227317	Y
7	IC 410-633920/18	300.0	78.546487	50.0	1099701.0	0.261822	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

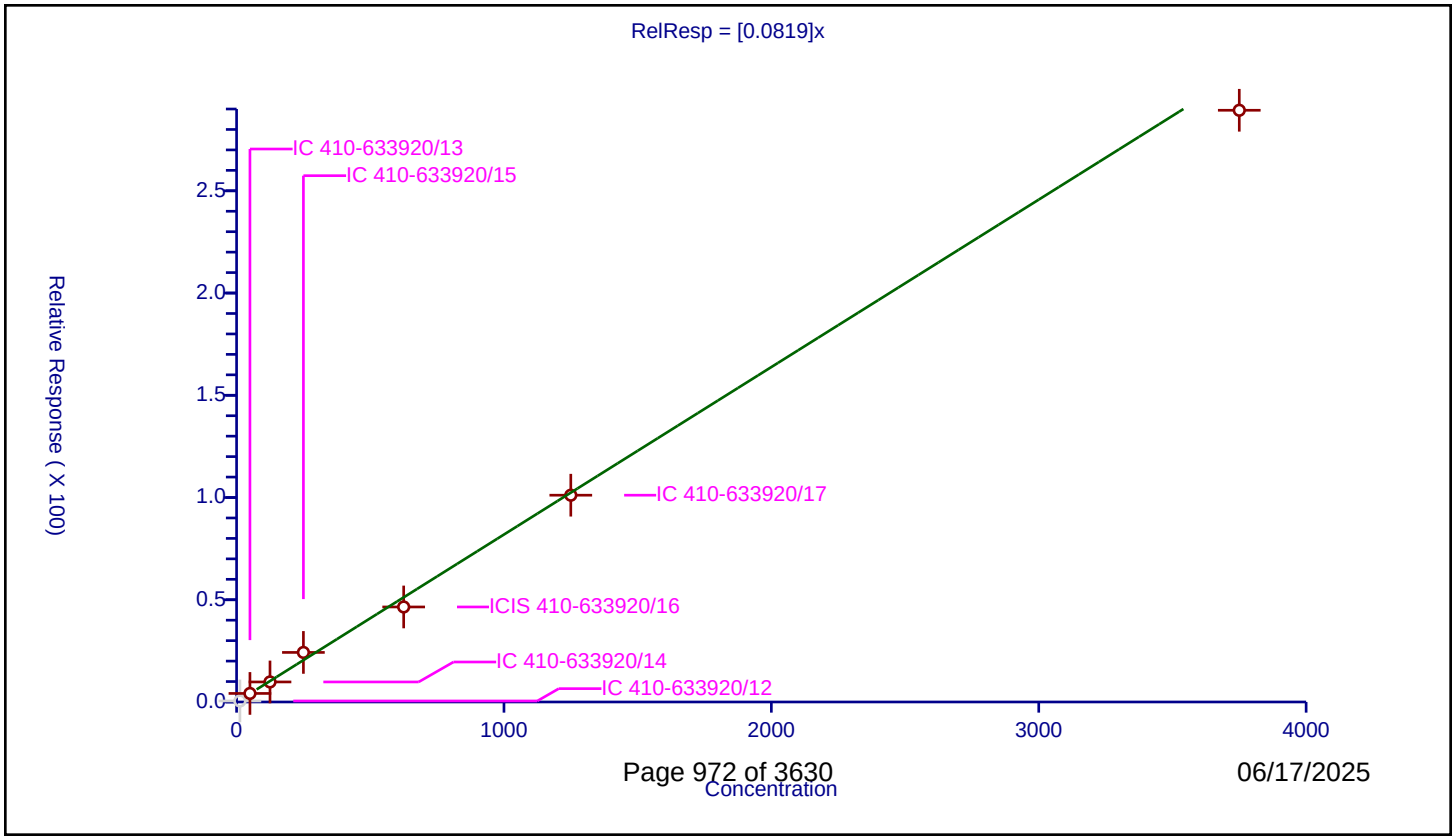
Curve Coefficients

Intercept:	0
Slope:	0.0819

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	12.5	0.5056	250.0	464794.0	0.040448	N
2	IC 410-633920/13	50.0	4.17878	250.0	446482.0	0.083576	Y
3	IC 410-633920/14	125.0	9.802542	250.0	437157.0	0.07842	Y
4	IC 410-633920/15	250.0	24.234918	250.0	444266.0	0.09694	Y
5	ICIS 410-633920/16	625.0	46.47692	250.0	477409.0	0.074363	Y
6	IC 410-633920/17	1250.0	101.131083	250.0	470434.0	0.080905	Y
7	IC 410-633920/18	3750.0	289.38847	250.0	454581.0	0.07717	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

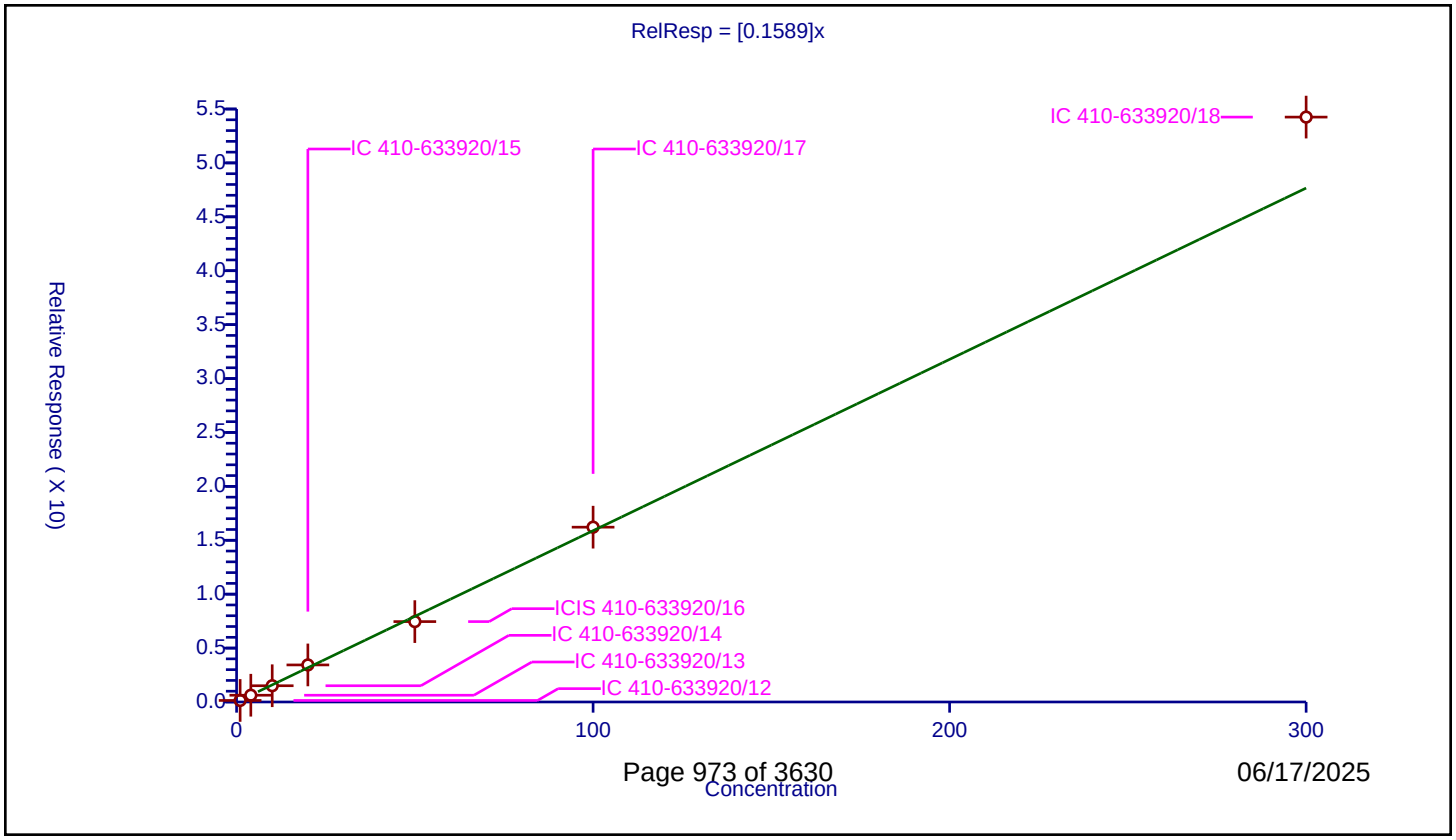
Curve Coefficients

Intercept:	0
Slope:	0.1589

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.141069	50.0	1191967.0	0.141069	Y
2	IC 410-633920/13	4.0	0.626486	50.0	1162836.0	0.156621	Y
3	IC 410-633920/14	10.0	1.506379	50.0	1132285.0	0.150638	Y
4	IC 410-633920/15	20.0	3.436525	50.0	1163370.0	0.171826	Y
5	ICIS 410-633920/16	50.0	7.455083	50.0	1209014.0	0.149102	Y
6	IC 410-633920/17	100.0	16.214721	50.0	1235214.0	0.162147	Y
7	IC 410-633920/18	300.0	54.251337	50.0	1099701.0	0.180838	Y



06/17/2025

Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

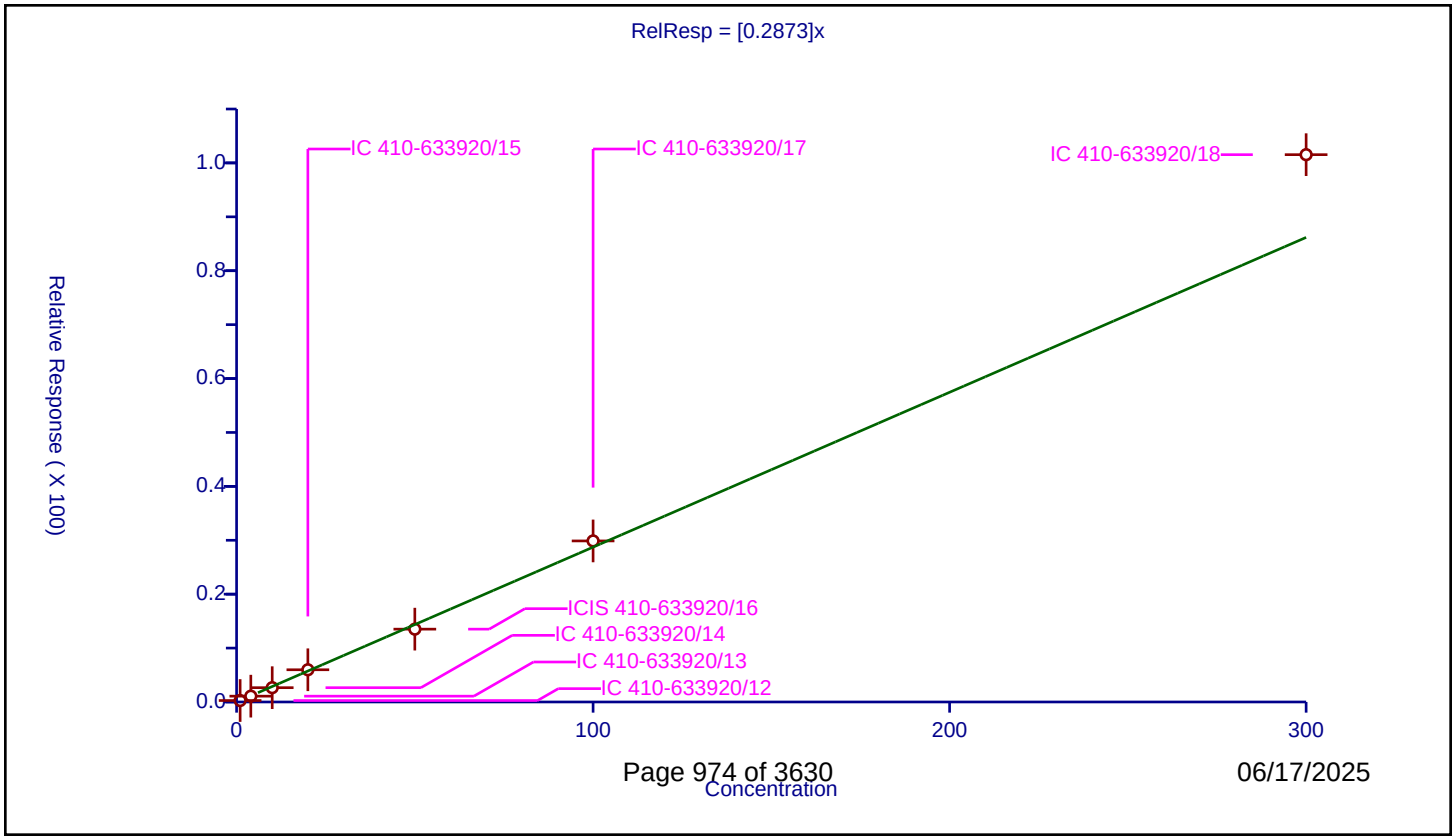
Curve Coefficients

Intercept:	0
Slope:	0.2873

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.268715	50.0	1191967.0	0.268715	Y
2	IC 410-633920/13	4.0	1.082053	50.0	1162836.0	0.270513	Y
3	IC 410-633920/14	10.0	2.653793	50.0	1132285.0	0.265379	Y
4	IC 410-633920/15	20.0	5.975915	50.0	1163370.0	0.298796	Y
5	ICIS 410-633920/16	50.0	13.512747	50.0	1209014.0	0.270255	Y
6	IC 410-633920/17	100.0	29.874176	50.0	1235214.0	0.298742	Y
7	IC 410-633920/18	300.0	101.530461	50.0	1099701.0	0.338435	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

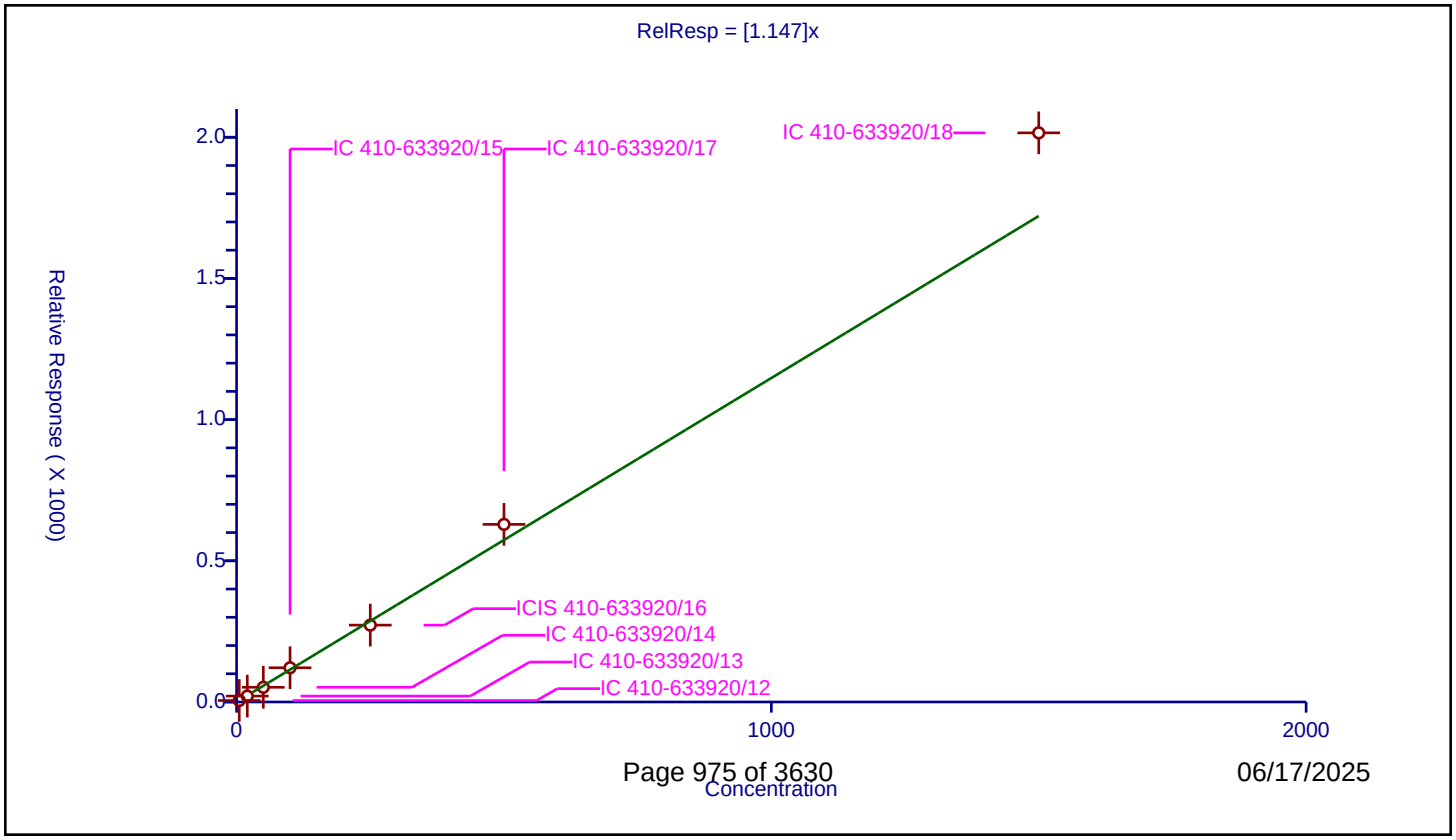
Curve Coefficients

Intercept:	0
Slope:	1.147

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	5.0	5.196926	250.0	464794.0	1.039385	Y
2	IC 410-633920/13	20.0	20.934775	250.0	446482.0	1.046739	Y
3	IC 410-633920/14	50.0	52.100847	250.0	437157.0	1.042017	Y
4	IC 410-633920/15	100.0	121.249994	250.0	444266.0	1.2125	Y
5	ICIS 410-633920/16	250.0	272.256598	250.0	477409.0	1.089026	Y
6	IC 410-633920/17	500.0	628.976647	250.0	470434.0	1.257953	Y
7	IC 410-633920/18	1500.0	2015.585781	250.0	454581.0	1.343724	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

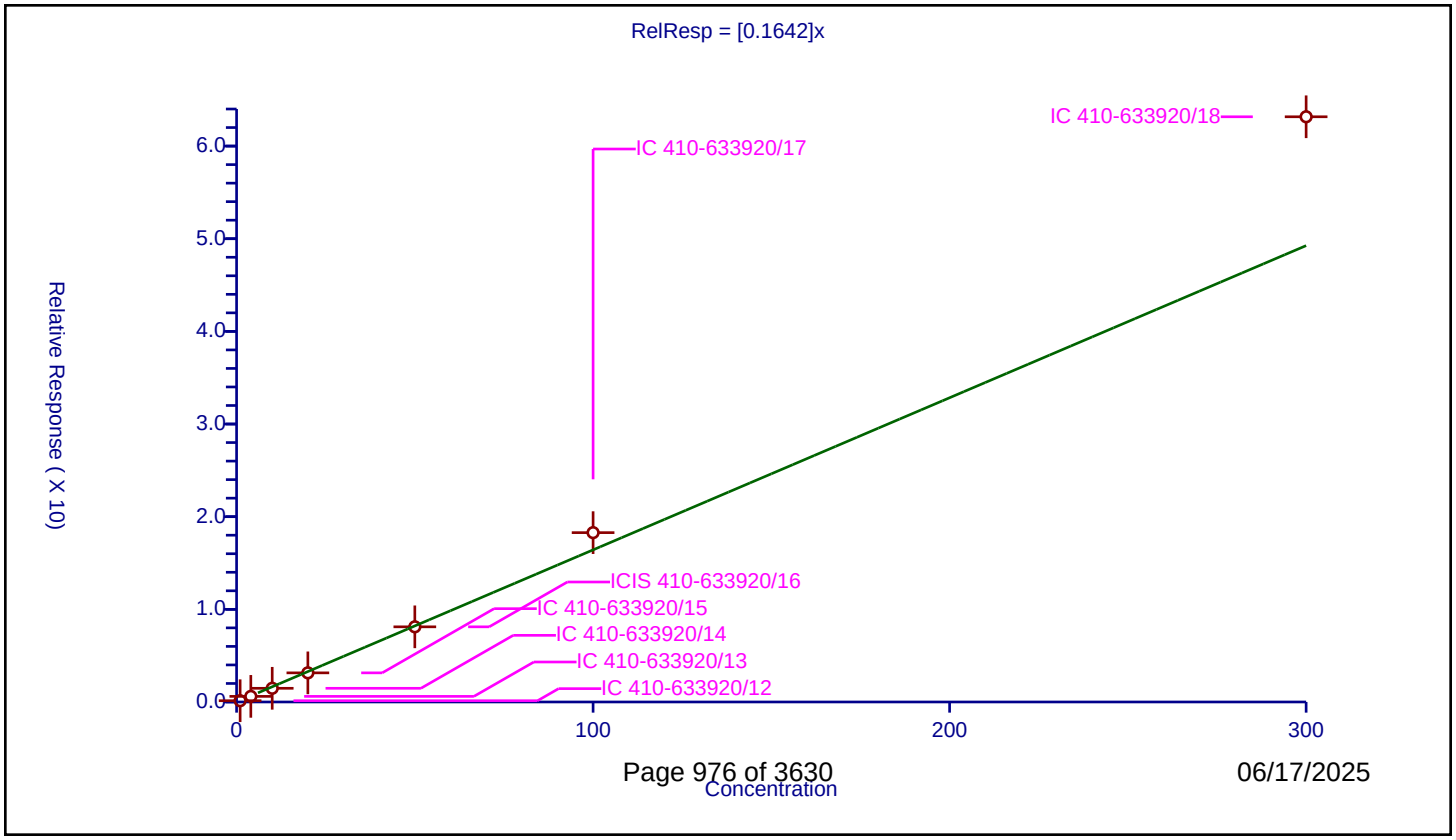
Curve Coefficients

Intercept:	0
Slope:	0.1642

Error Coefficients

Relative Standard Deviation:	15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.137546	50.0	1191967.0	0.137546	Y
2	IC 410-633920/13	4.0	0.604427	50.0	1162836.0	0.151107	Y
3	IC 410-633920/14	10.0	1.478382	50.0	1132285.0	0.147838	Y
4	IC 410-633920/15	20.0	3.145044	50.0	1163370.0	0.157252	Y
5	ICIS 410-633920/16	50.0	8.11132	50.0	1209014.0	0.162226	Y
6	IC 410-633920/17	100.0	18.277562	50.0	1235214.0	0.182776	Y
7	IC 410-633920/18	300.0	63.161168	50.0	1099701.0	0.210537	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

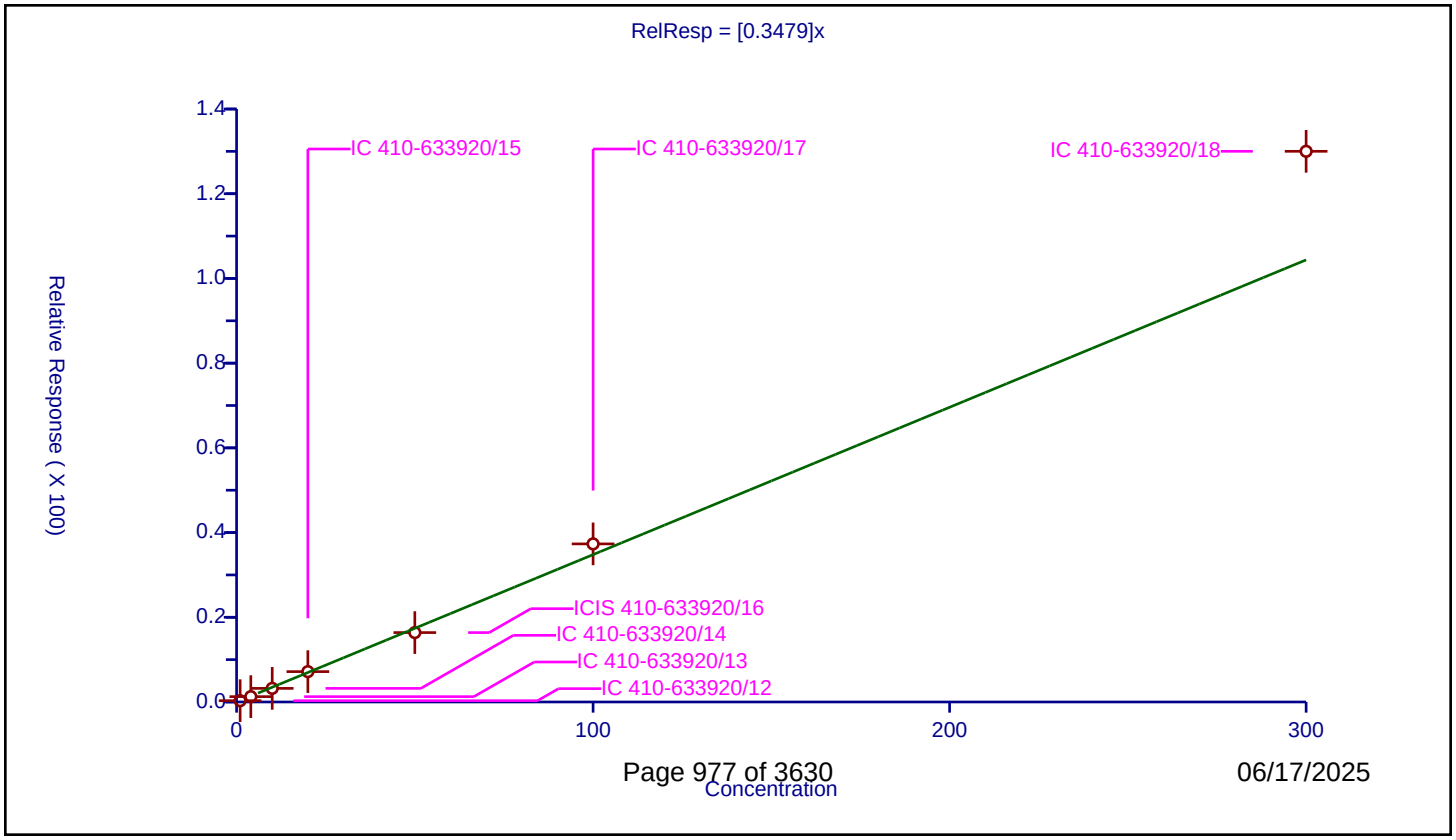
Curve Coefficients

Intercept:	0
Slope:	0.3479

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.305252	50.0	1191967.0	0.305252	Y
2	IC 410-633920/13	4.0	1.263119	50.0	1162836.0	0.31578	Y
3	IC 410-633920/14	10.0	3.214694	50.0	1132285.0	0.321469	Y
4	IC 410-633920/15	20.0	7.170591	50.0	1163370.0	0.35853	Y
5	ICIS 410-633920/16	50.0	16.387445	50.0	1209014.0	0.327749	Y
6	IC 410-633920/17	100.0	37.327419	50.0	1235214.0	0.373274	Y
7	IC 410-633920/18	300.0	130.014977	50.0	1099701.0	0.433383	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

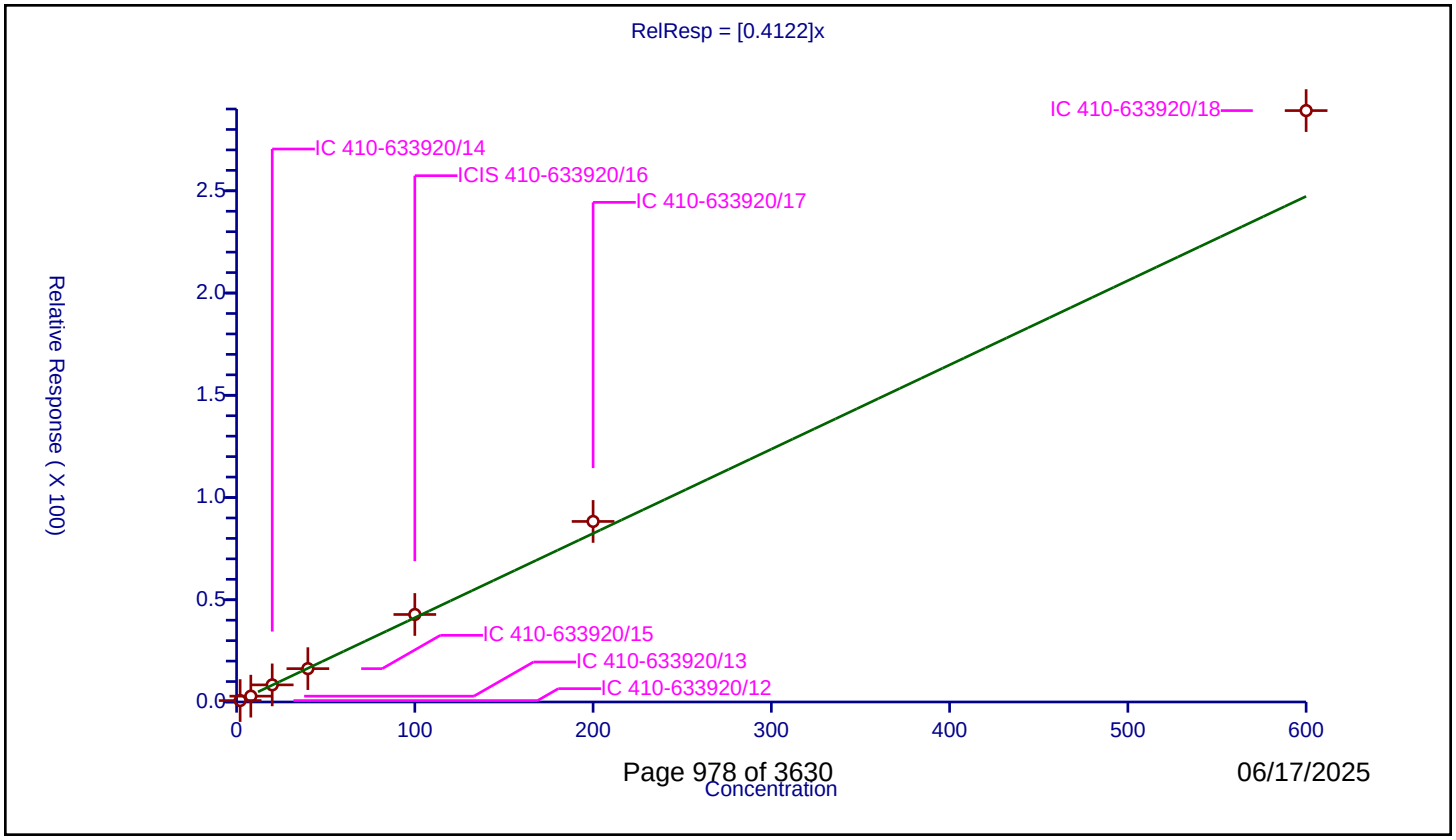
Curve Coefficients

Intercept:	0
Slope:	0.4122

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	2.0	0.701613	50.0	1191967.0	0.350807	Y
2	IC 410-633920/13	8.0	2.850746	50.0	1162836.0	0.356343	Y
3	IC 410-633920/14	20.0	8.371346	50.0	1132285.0	0.418567	Y
4	IC 410-633920/15	40.0	16.313727	50.0	1163370.0	0.407843	Y
5	ICIS 410-633920/16	100.0	42.794914	50.0	1209014.0	0.427949	Y
6	IC 410-633920/17	200.0	88.301744	50.0	1235214.0	0.441509	Y
7	IC 410-633920/18	600.0	289.226844	50.0	1099701.0	0.482045	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

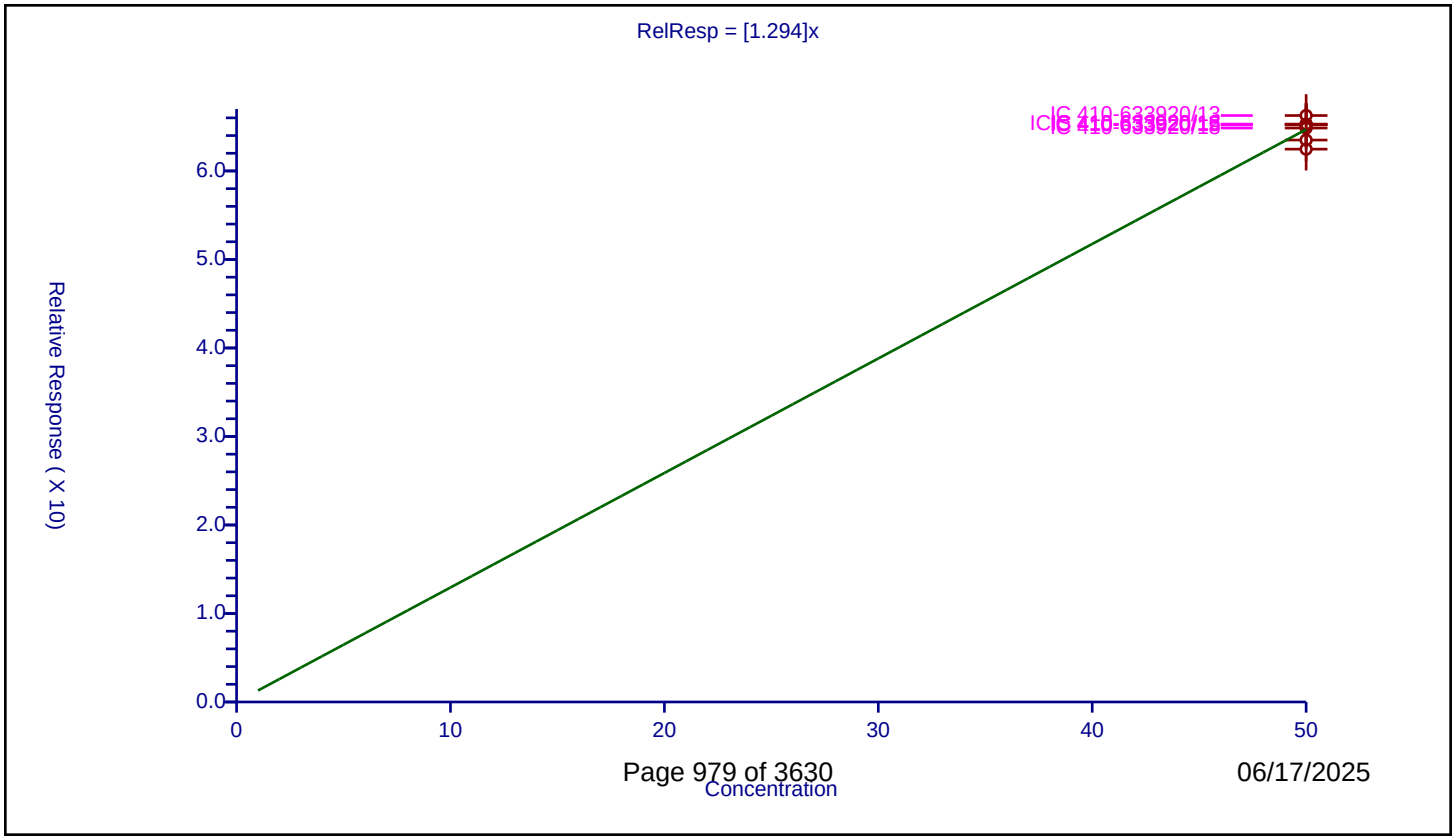
Curve Coefficients

Intercept:	0
Slope:	1.294

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	50.0	65.29596	50.0	860979.0	1.305919	Y
2	IC 410-633920/13	50.0	66.264756	50.0	836379.0	1.325295	Y
3	IC 410-633920/14	50.0	62.46498	50.0	839512.0	1.2493	Y
4	IC 410-633920/15	50.0	65.207373	50.0	862963.0	1.304147	Y
5	ICIS 410-633920/16	50.0	65.242691	50.0	869069.0	1.304854	Y
6	IC 410-633920/17	50.0	63.491469	50.0	937889.0	1.269829	Y
7	IC 410-633920/18	50.0	64.849854	50.0	859729.0	1.296997	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

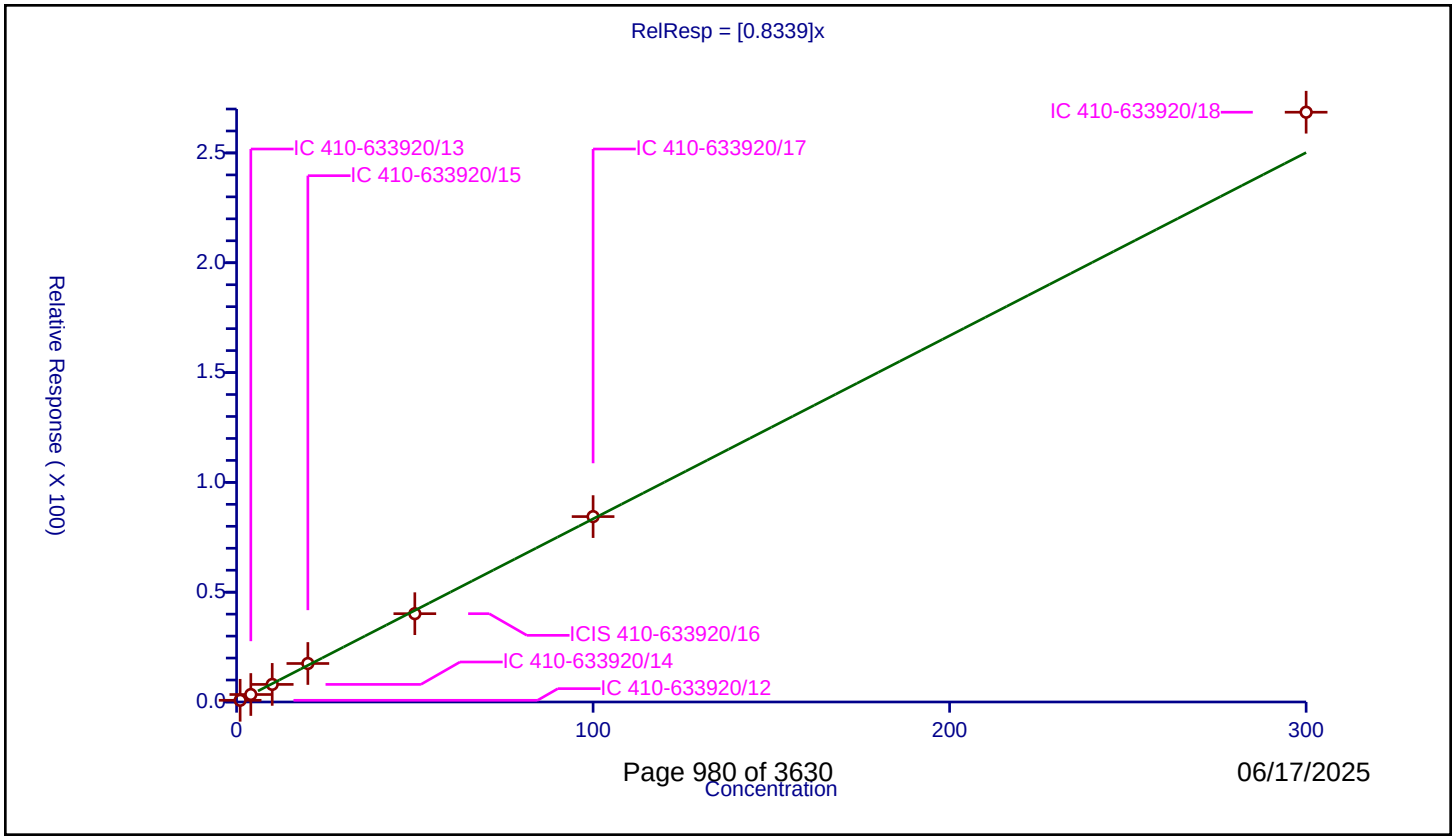
Curve Coefficients

Intercept:	0
Slope:	0.8339

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.765524	50.0	860979.0	0.765524	Y
2	IC 410-633920/13	4.0	3.40366	50.0	836379.0	0.850915	Y
3	IC 410-633920/14	10.0	8.008581	50.0	839512.0	0.800858	Y
4	IC 410-633920/15	20.0	17.530647	50.0	862963.0	0.876532	Y
5	ICIS 410-633920/16	50.0	40.202792	50.0	869069.0	0.804056	Y
6	IC 410-633920/17	100.0	84.414893	50.0	937889.0	0.844149	Y
7	IC 410-633920/18	300.0	268.544216	50.0	859729.0	0.895147	Y



06/17/2025

Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

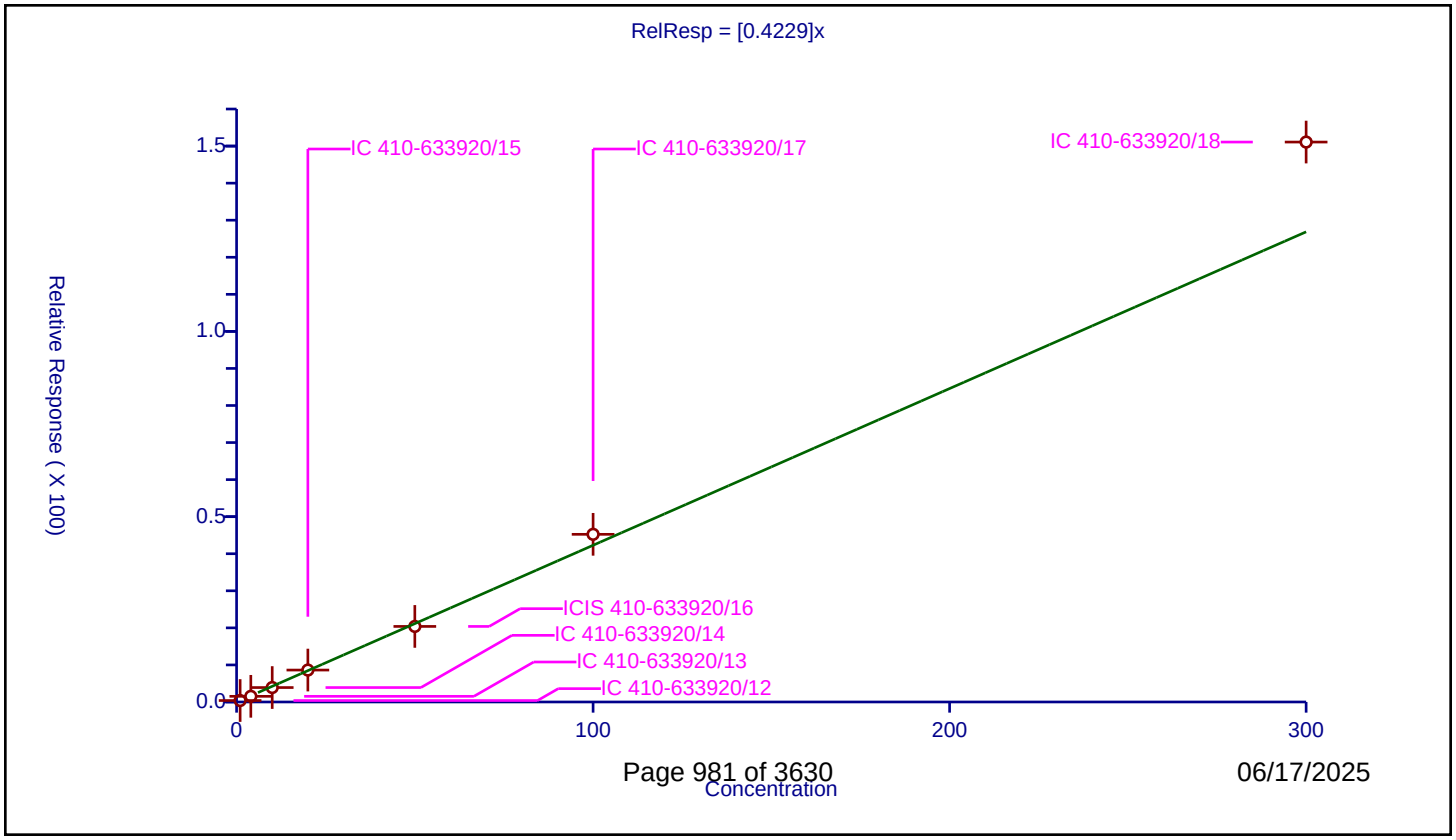
Curve Coefficients

Intercept:	0
Slope:	0.4229

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.392634	50.0	860979.0	0.392634	Y
2	IC 410-633920/13	4.0	1.531303	50.0	836379.0	0.382826	Y
3	IC 410-633920/14	10.0	3.898217	50.0	839512.0	0.389822	Y
4	IC 410-633920/15	20.0	8.619315	50.0	862963.0	0.430966	Y
5	ICIS 410-633920/16	50.0	20.387507	50.0	869069.0	0.40775	Y
6	IC 410-633920/17	100.0	45.241868	50.0	937889.0	0.452419	Y
7	IC 410-633920/18	300.0	151.084063	50.0	859729.0	0.503614	Y



06/17/2025

Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

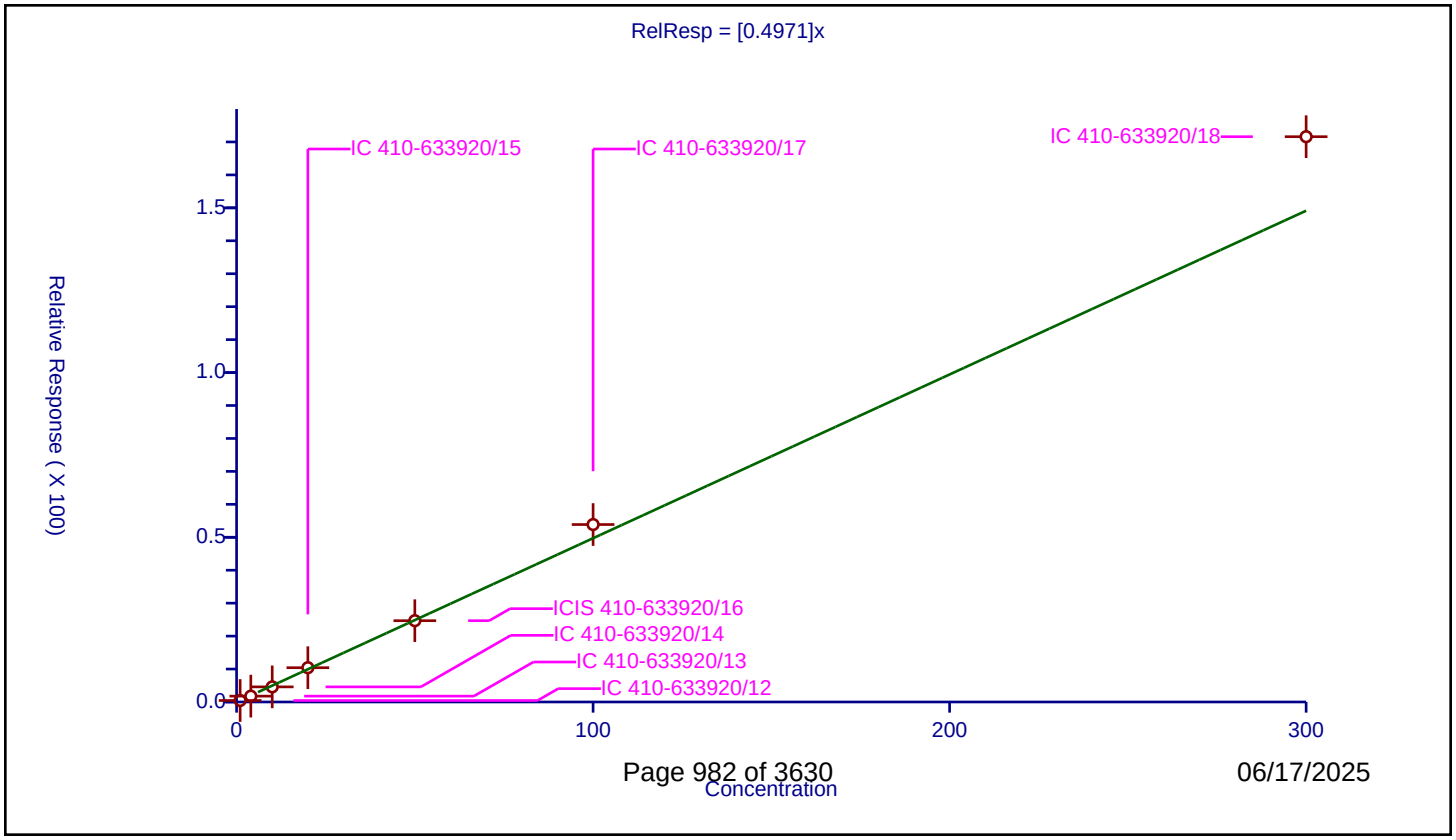
Curve Coefficients

Intercept:	0
Slope:	0.4971

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.452682	50.0	860979.0	0.452682	Y
2	IC 410-633920/13	4.0	1.776348	50.0	836379.0	0.444087	Y
3	IC 410-633920/14	10.0	4.582603	50.0	839512.0	0.45826	Y
4	IC 410-633920/15	20.0	10.409485	50.0	862963.0	0.520474	Y
5	ICIS 410-633920/16	50.0	24.677672	50.0	869069.0	0.493553	Y
6	IC 410-633920/17	100.0	53.86469	50.0	937889.0	0.538647	Y
7	IC 410-633920/18	300.0	171.600121	50.0	859729.0	0.572	Y



06/17/2025

Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

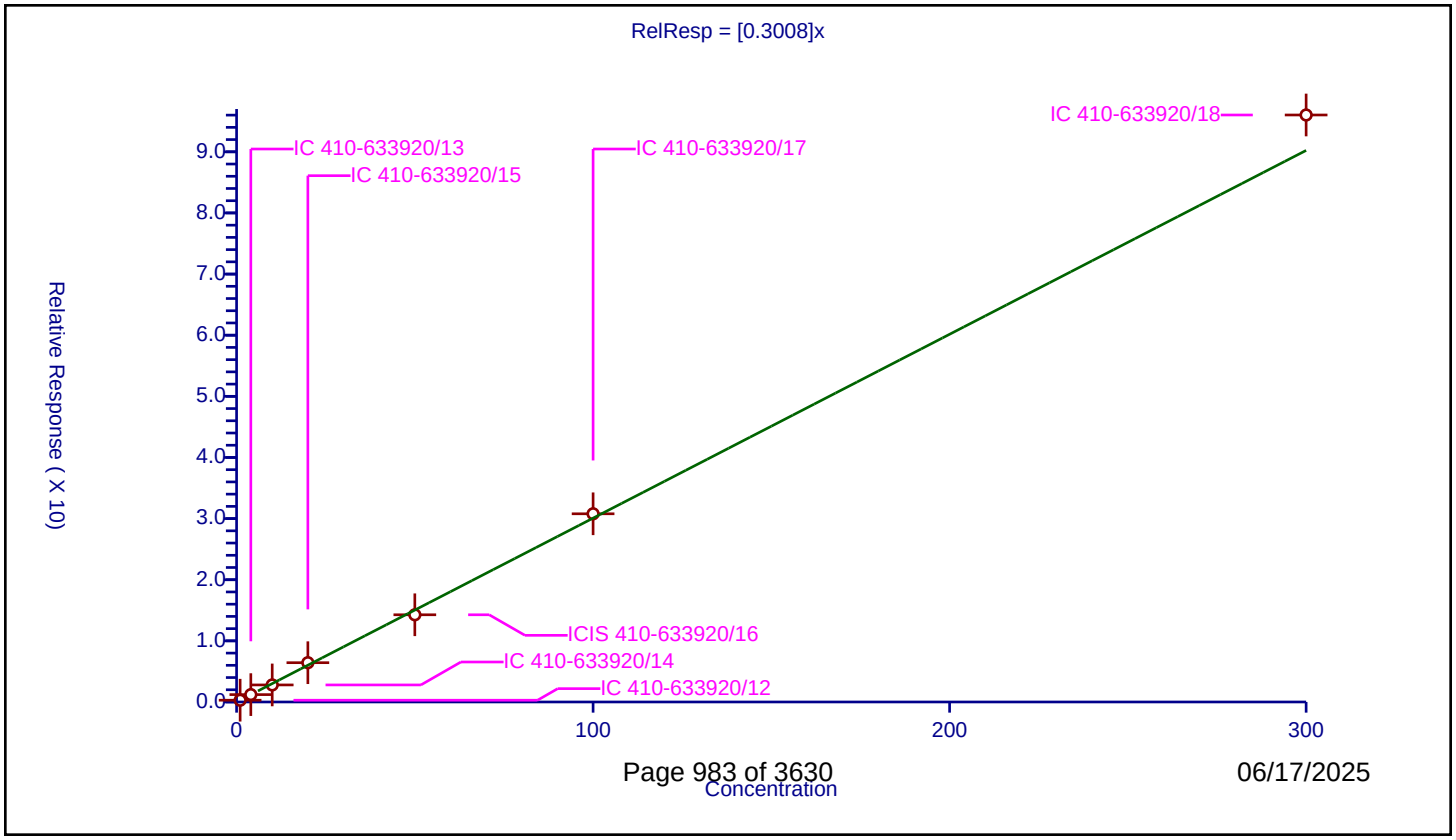
Curve Coefficients

Intercept:	0
Slope:	0.3008

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.290077	50.0	860979.0	0.290077	Y
2	IC 410-633920/13	4.0	1.205614	50.0	836379.0	0.301403	Y
3	IC 410-633920/14	10.0	2.791384	50.0	839512.0	0.279138	Y
4	IC 410-633920/15	20.0	6.429186	50.0	862963.0	0.321459	Y
5	ICIS 410-633920/16	50.0	14.265208	50.0	869069.0	0.285304	Y
6	IC 410-633920/17	100.0	30.784666	50.0	937889.0	0.307847	Y
7	IC 410-633920/18	300.0	96.022875	50.0	859729.0	0.320076	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

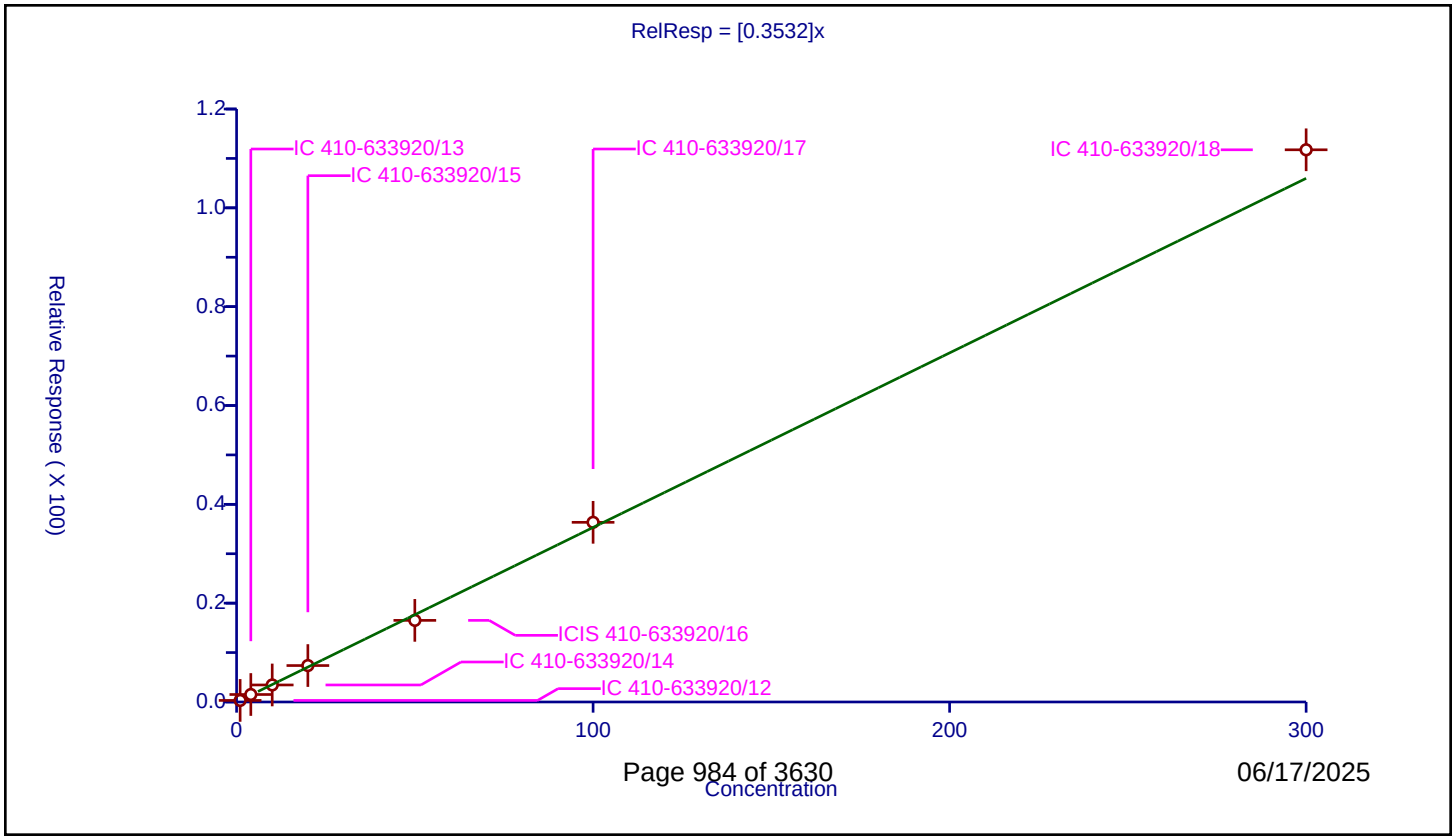
Curve Coefficients

Intercept:	0
Slope:	0.3532

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.3147	50.0	860979.0	0.3147	Y
2	IC 410-633920/13	4.0	1.512472	50.0	836379.0	0.378118	Y
3	IC 410-633920/14	10.0	3.447598	50.0	839512.0	0.34476	Y
4	IC 410-633920/15	20.0	7.372448	50.0	862963.0	0.368622	Y
5	ICIS 410-633920/16	50.0	16.517503	50.0	869069.0	0.33035	Y
6	IC 410-633920/17	100.0	36.358087	50.0	937889.0	0.363581	Y
7	IC 410-633920/18	300.0	111.747016	50.0	859729.0	0.37249	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

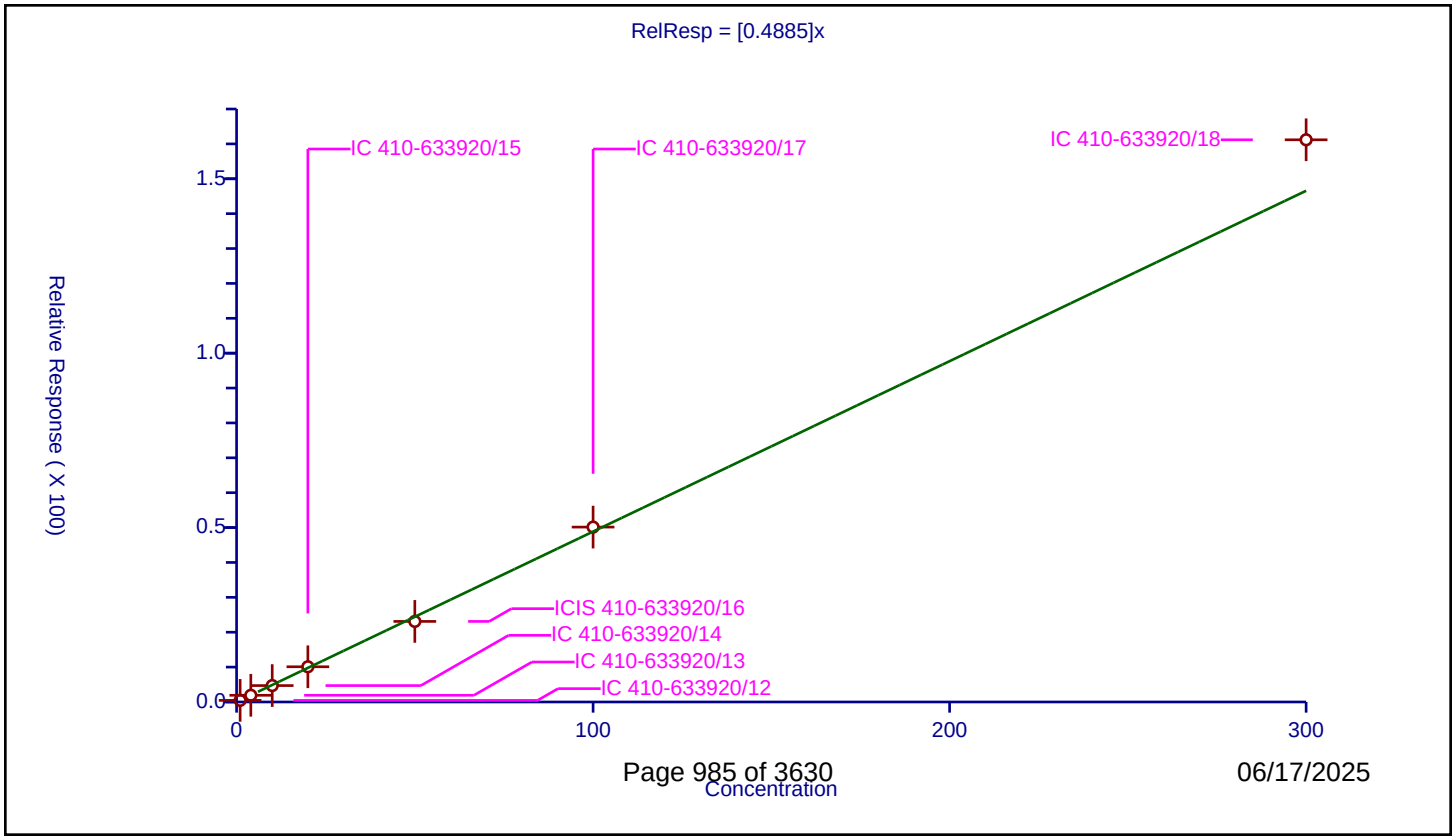
Curve Coefficients

Intercept:	0
Slope:	0.4885

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.462323	50.0	860979.0	0.462323	Y
2	IC 410-633920/13	4.0	1.92634	50.0	836379.0	0.481585	Y
3	IC 410-633920/14	10.0	4.704519	50.0	839512.0	0.470452	Y
4	IC 410-633920/15	20.0	10.097188	50.0	862963.0	0.504859	Y
5	ICIS 410-633920/16	50.0	23.09667	50.0	869069.0	0.461933	Y
6	IC 410-633920/17	100.0	50.140315	50.0	937889.0	0.501403	Y
7	IC 410-633920/18	300.0	161.174742	50.0	859729.0	0.537249	Y



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Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

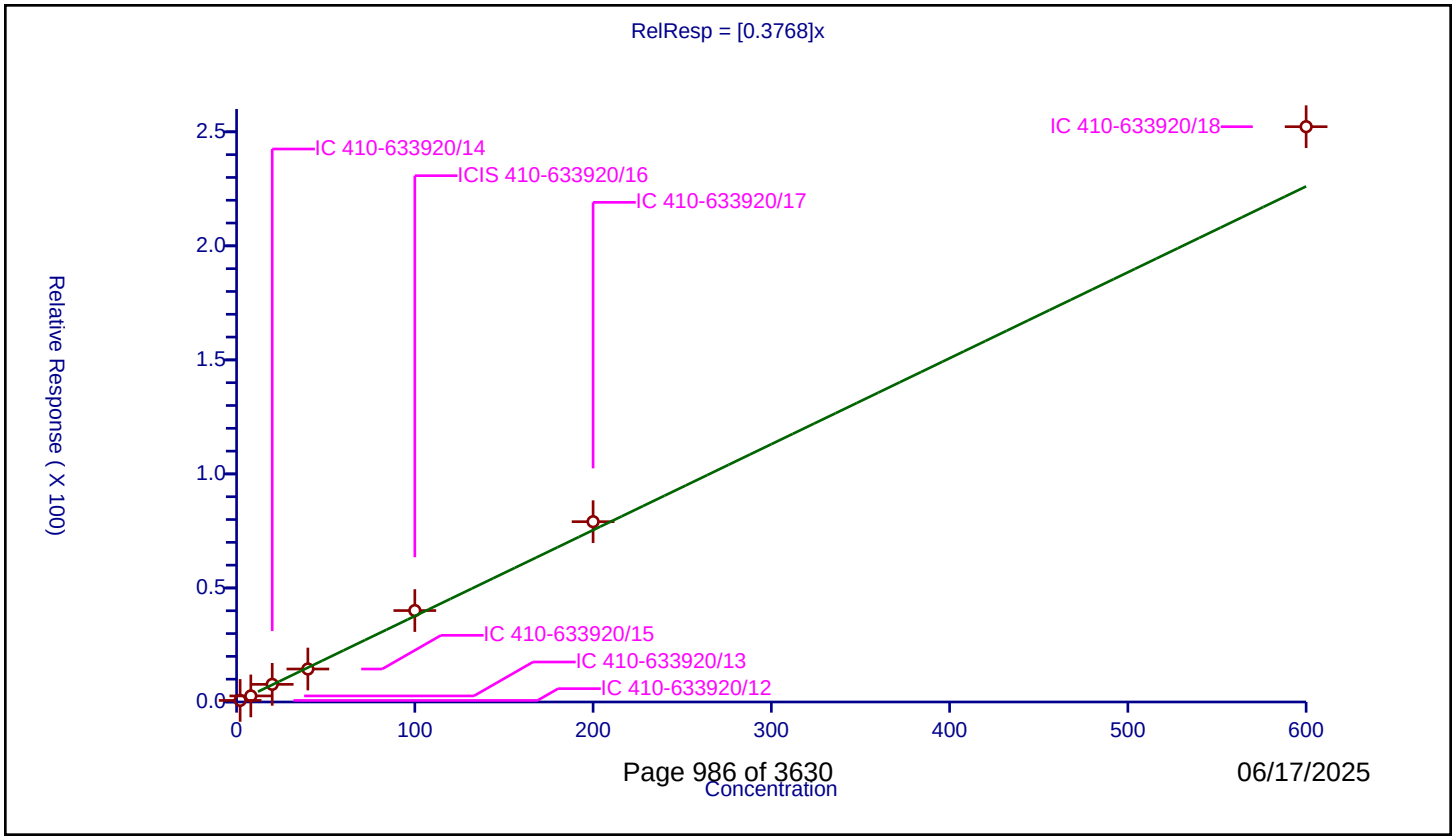
Curve Coefficients

Intercept:	0
Slope:	0.3768

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	2.0	0.680737	50.0	860979.0	0.340368	Y
2	IC 410-633920/13	8.0	2.65938	50.0	836379.0	0.332423	Y
3	IC 410-633920/14	20.0	7.737352	50.0	839512.0	0.386868	Y
4	IC 410-633920/15	40.0	14.454386	50.0	862963.0	0.36136	Y
5	ICIS 410-633920/16	100.0	40.086058	50.0	869069.0	0.400861	Y
6	IC 410-633920/17	200.0	79.063567	50.0	937889.0	0.395318	Y
7	IC 410-633920/18	600.0	252.253094	50.0	859729.0	0.420422	Y



06/17/2025

Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

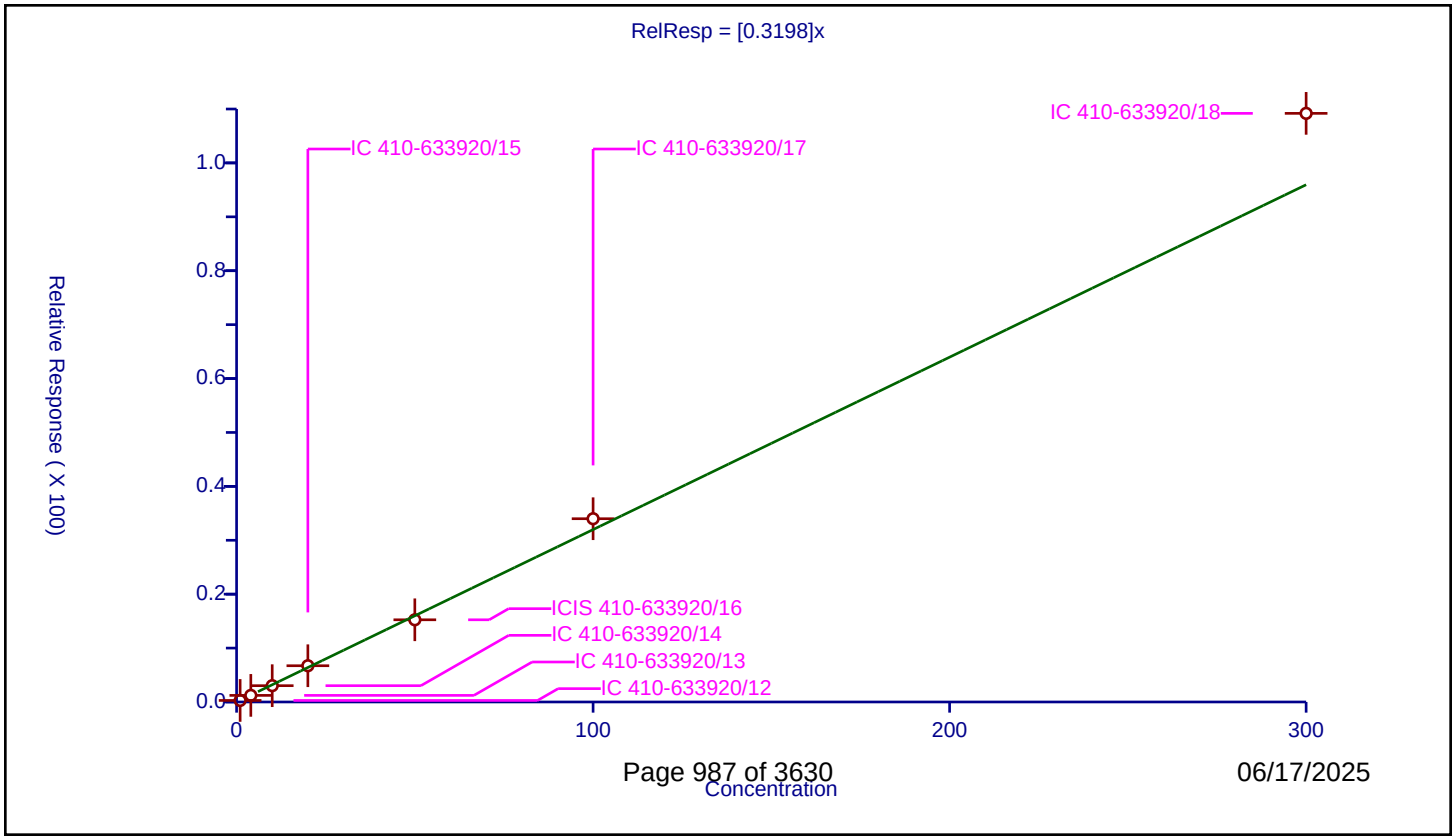
Curve Coefficients

Intercept:	0
Slope:	0.3198

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.284792	50.0	860979.0	0.284792	Y
2	IC 410-633920/13	4.0	1.226717	50.0	836379.0	0.306679	Y
3	IC 410-633920/14	10.0	3.023423	50.0	839512.0	0.302342	Y
4	IC 410-633920/15	20.0	6.723116	50.0	862963.0	0.336156	Y
5	ICIS 410-633920/16	50.0	15.247523	50.0	869069.0	0.30495	Y
6	IC 410-633920/17	100.0	33.99768	50.0	937889.0	0.339977	Y
7	IC 410-633920/18	300.0	109.193013	50.0	859729.0	0.363977	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

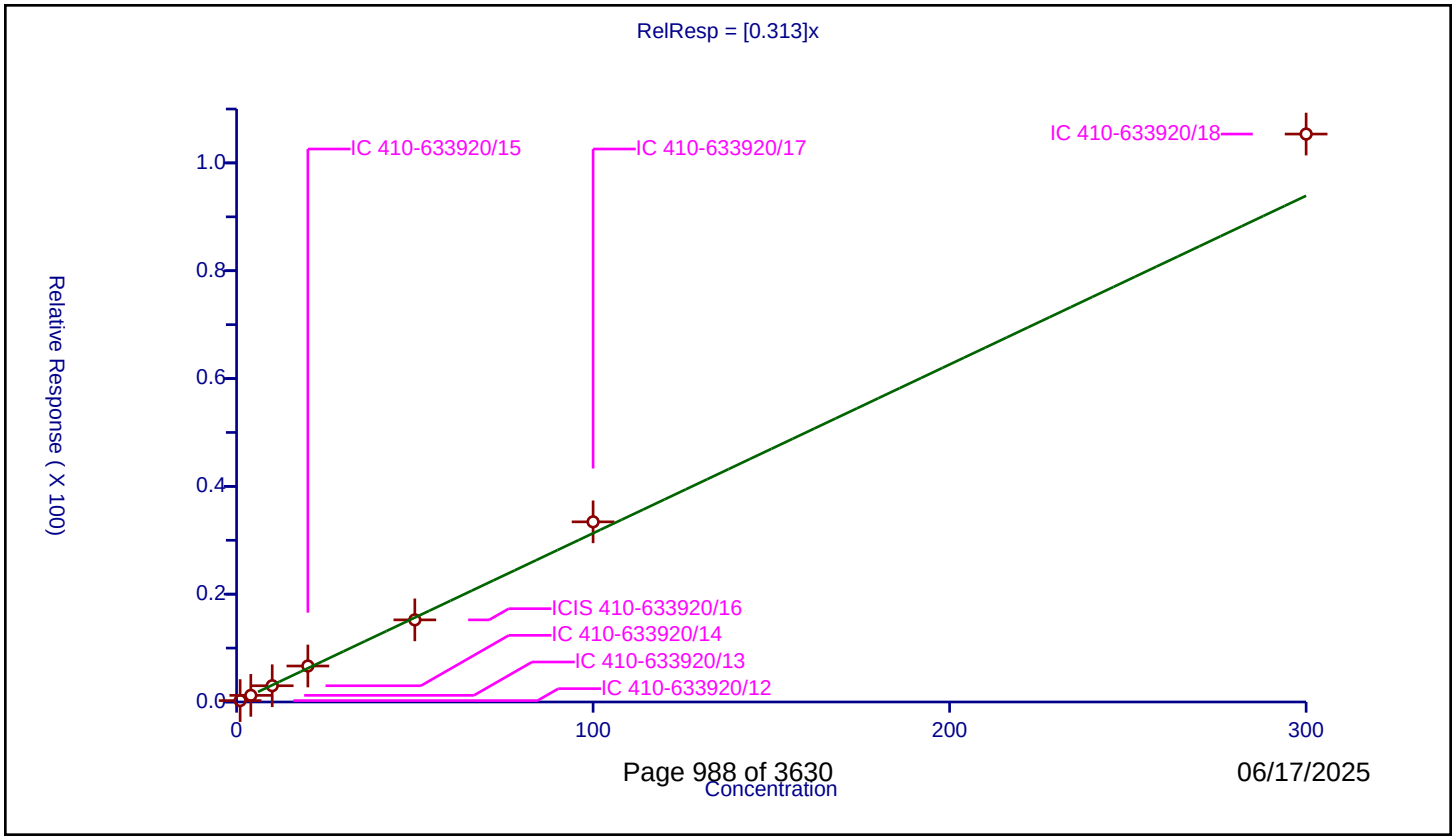
Curve Coefficients

Intercept:	0
Slope:	0.313

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.258369	50.0	860979.0	0.258369	Y
2	IC 410-633920/13	4.0	1.230363	50.0	836379.0	0.307591	Y
3	IC 410-633920/14	10.0	3.014966	50.0	839512.0	0.301497	Y
4	IC 410-633920/15	20.0	6.675779	50.0	862963.0	0.333789	Y
5	ICIS 410-633920/16	50.0	15.232105	50.0	869069.0	0.304642	Y
6	IC 410-633920/17	100.0	33.416854	50.0	937889.0	0.334169	Y
7	IC 410-633920/18	300.0	105.354769	50.0	859729.0	0.351183	Y



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Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

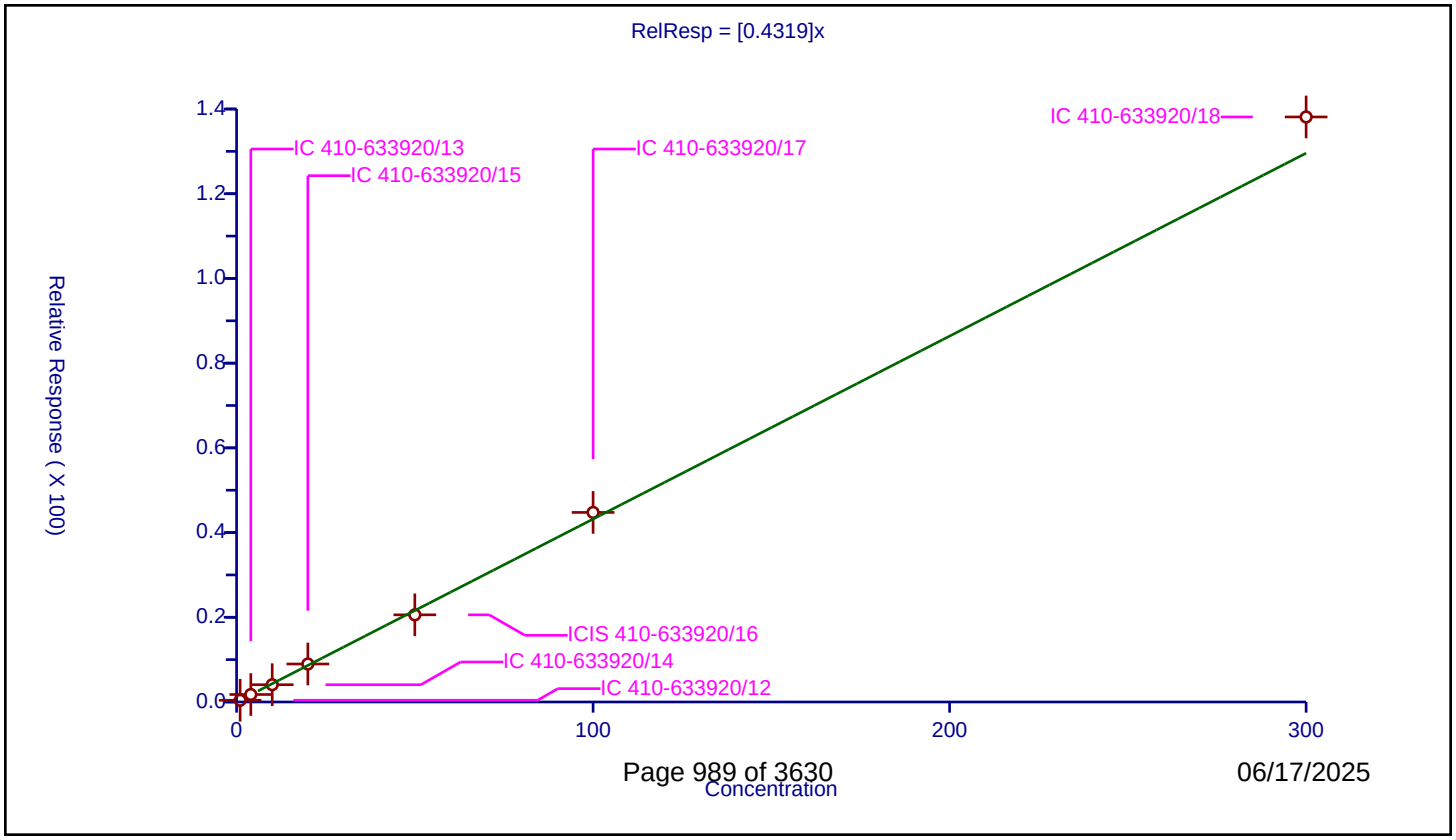
Curve Coefficients

Intercept:	0
Slope:	0.4319

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.405353	50.0	860979.0	0.405353	Y
2	IC 410-633920/13	4.0	1.768995	50.0	836379.0	0.442249	Y
3	IC 410-633920/14	10.0	4.077488	50.0	839512.0	0.407749	Y
4	IC 410-633920/15	20.0	8.970779	50.0	862963.0	0.448539	Y
5	ICIS 410-633920/16	50.0	20.577653	50.0	869069.0	0.411553	Y
6	IC 410-633920/17	100.0	44.756043	50.0	937889.0	0.44756	Y
7	IC 410-633920/18	300.0	138.124455	50.0	859729.0	0.460415	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

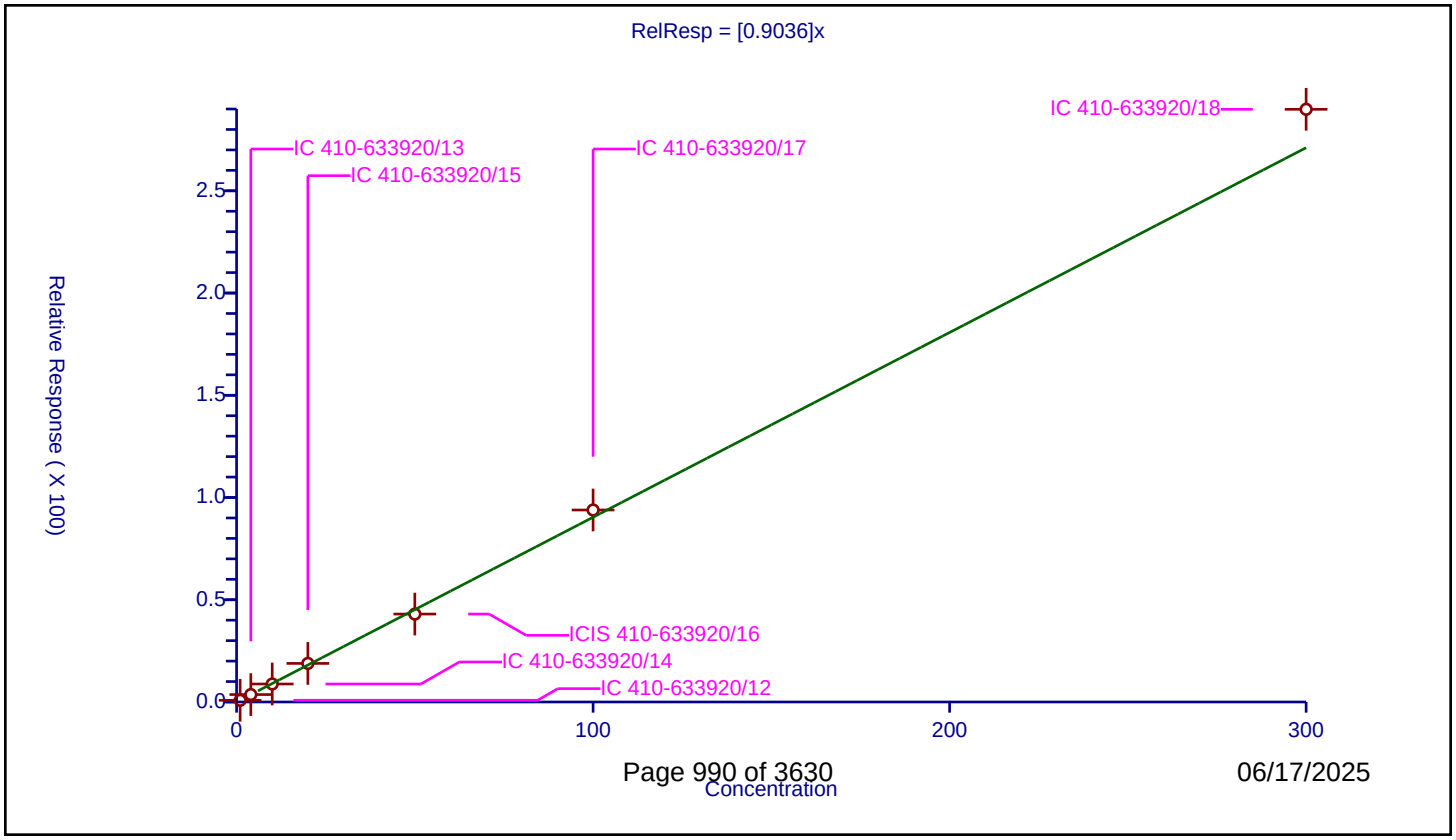
Curve Coefficients

Intercept:	0
Slope:	0.9036

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.829172	50.0	860979.0	0.829172	Y
2	IC 410-633920/13	4.0	3.630113	50.0	836379.0	0.907528	Y
3	IC 410-633920/14	10.0	8.796003	50.0	839512.0	0.8796	Y
4	IC 410-633920/15	20.0	18.869001	50.0	862963.0	0.94345	Y
5	ICIS 410-633920/16	50.0	43.009819	50.0	869069.0	0.860196	Y
6	IC 410-633920/17	100.0	93.887176	50.0	937889.0	0.938872	Y
7	IC 410-633920/18	300.0	289.856804	50.0	859729.0	0.966189	Y



06/17/2025

Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

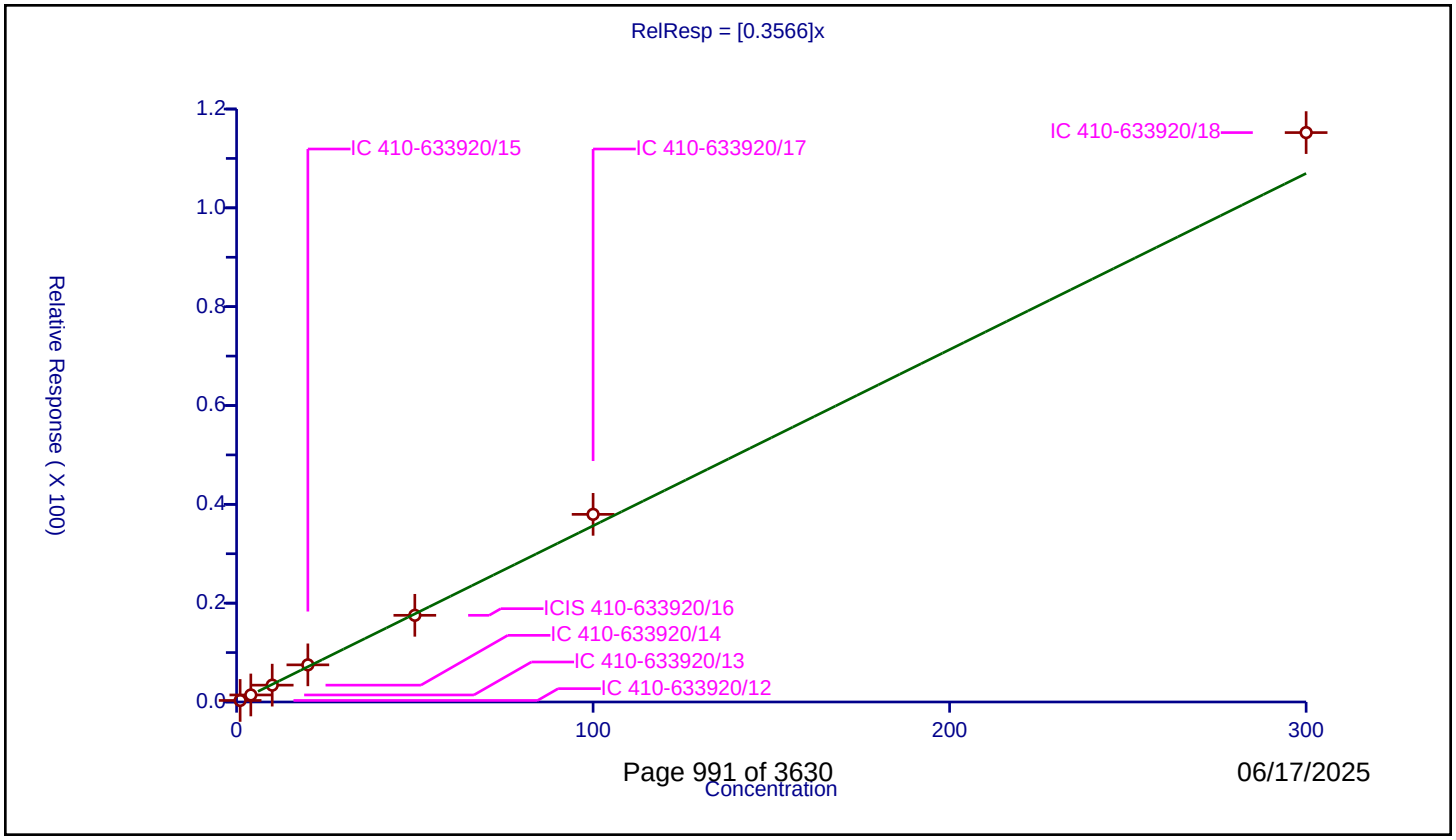
Curve Coefficients

Intercept:	0
Slope:	0.3566

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.309183	50.0	860979.0	0.309183	Y
2	IC 410-633920/13	4.0	1.421126	50.0	836379.0	0.355282	Y
3	IC 410-633920/14	10.0	3.409779	50.0	839512.0	0.340978	Y
4	IC 410-633920/15	20.0	7.516777	50.0	862963.0	0.375839	Y
5	ICIS 410-633920/16	50.0	17.539459	50.0	869069.0	0.350789	Y
6	IC 410-633920/17	100.0	37.970272	50.0	937889.0	0.379703	Y
7	IC 410-633920/18	300.0	115.227938	50.0	859729.0	0.384093	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

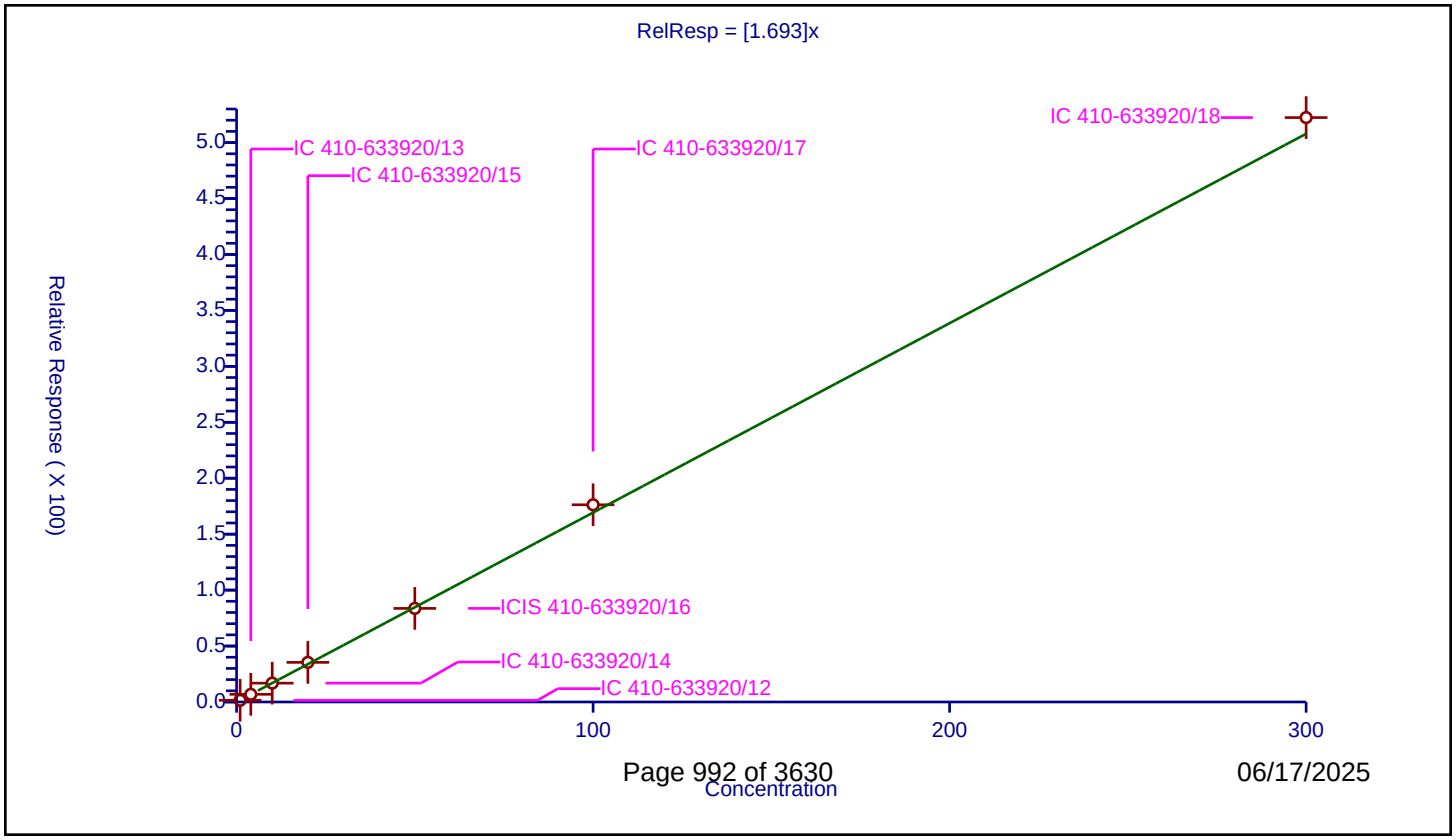
Curve Coefficients

Intercept:	0
Slope:	1.693

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	1.504973	50.0	860979.0	1.504973	Y
2	IC 410-633920/13	4.0	6.853293	50.0	836379.0	1.713323	Y
3	IC 410-633920/14	10.0	16.844667	50.0	839512.0	1.684467	Y
4	IC 410-633920/15	20.0	35.405979	50.0	862963.0	1.770299	Y
5	ICIS 410-633920/16	50.0	83.649112	50.0	869069.0	1.672982	Y
6	IC 410-633920/17	100.0	176.263289	50.0	937889.0	1.762633	Y
7	IC 410-633920/18	300.0	522.34489	50.0	859729.0	1.74115	Y



06/17/2025

Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

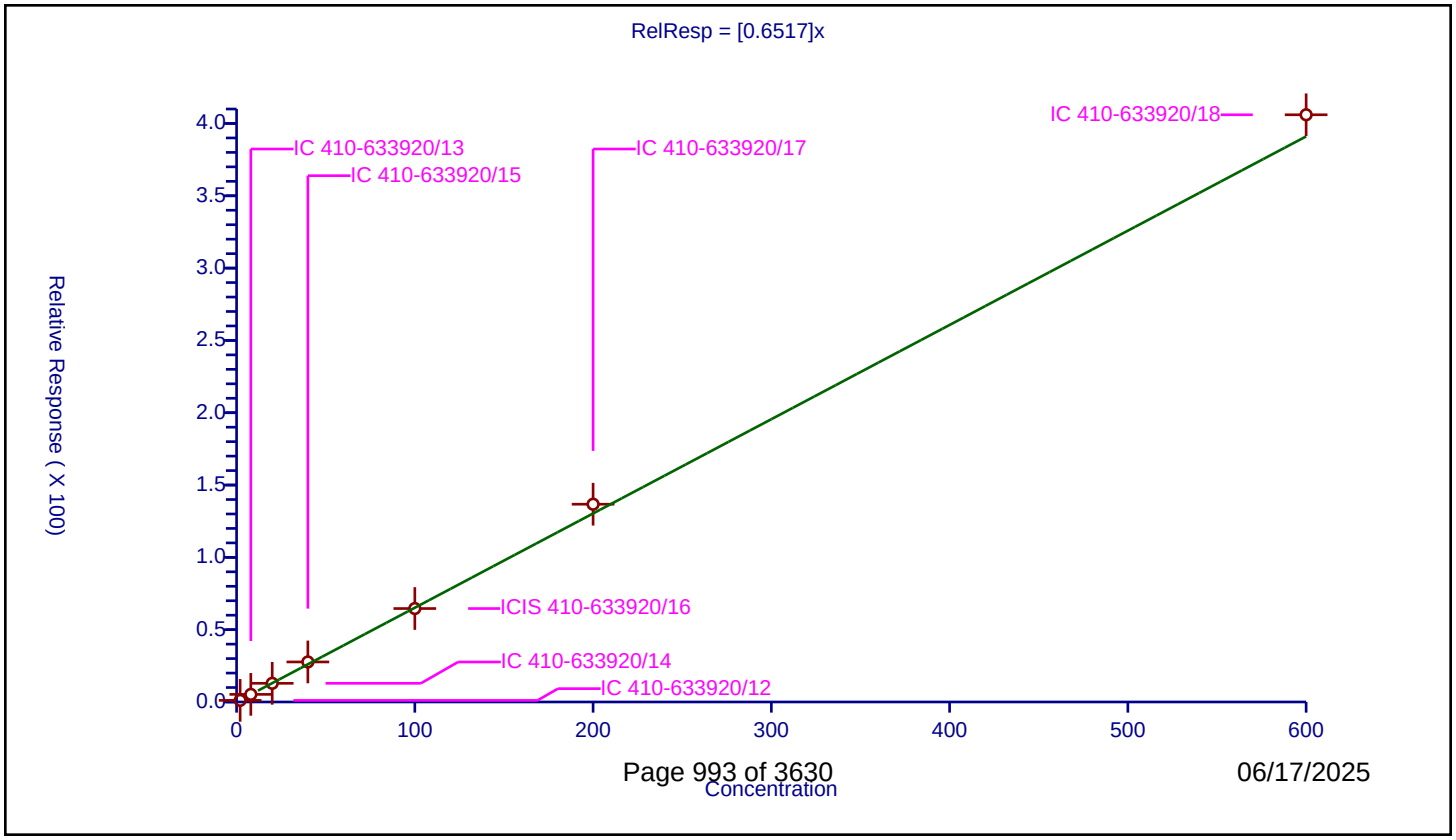
Curve Coefficients

Intercept:	0
Slope:	0.6517

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	2.0	1.119656	50.0	860979.0	0.559828	Y
2	IC 410-633920/13	8.0	5.263224	50.0	836379.0	0.657903	Y
3	IC 410-633920/14	20.0	12.912621	50.0	839512.0	0.645631	Y
4	IC 410-633920/15	40.0	27.688615	50.0	862963.0	0.692215	Y
5	ICIS 410-633920/16	100.0	64.62289	50.0	869069.0	0.646229	Y
6	IC 410-633920/17	200.0	136.74502	50.0	937889.0	0.683725	Y
7	IC 410-633920/18	600.0	406.025562	50.0	859729.0	0.676709	Y



Calibration / n-Butyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

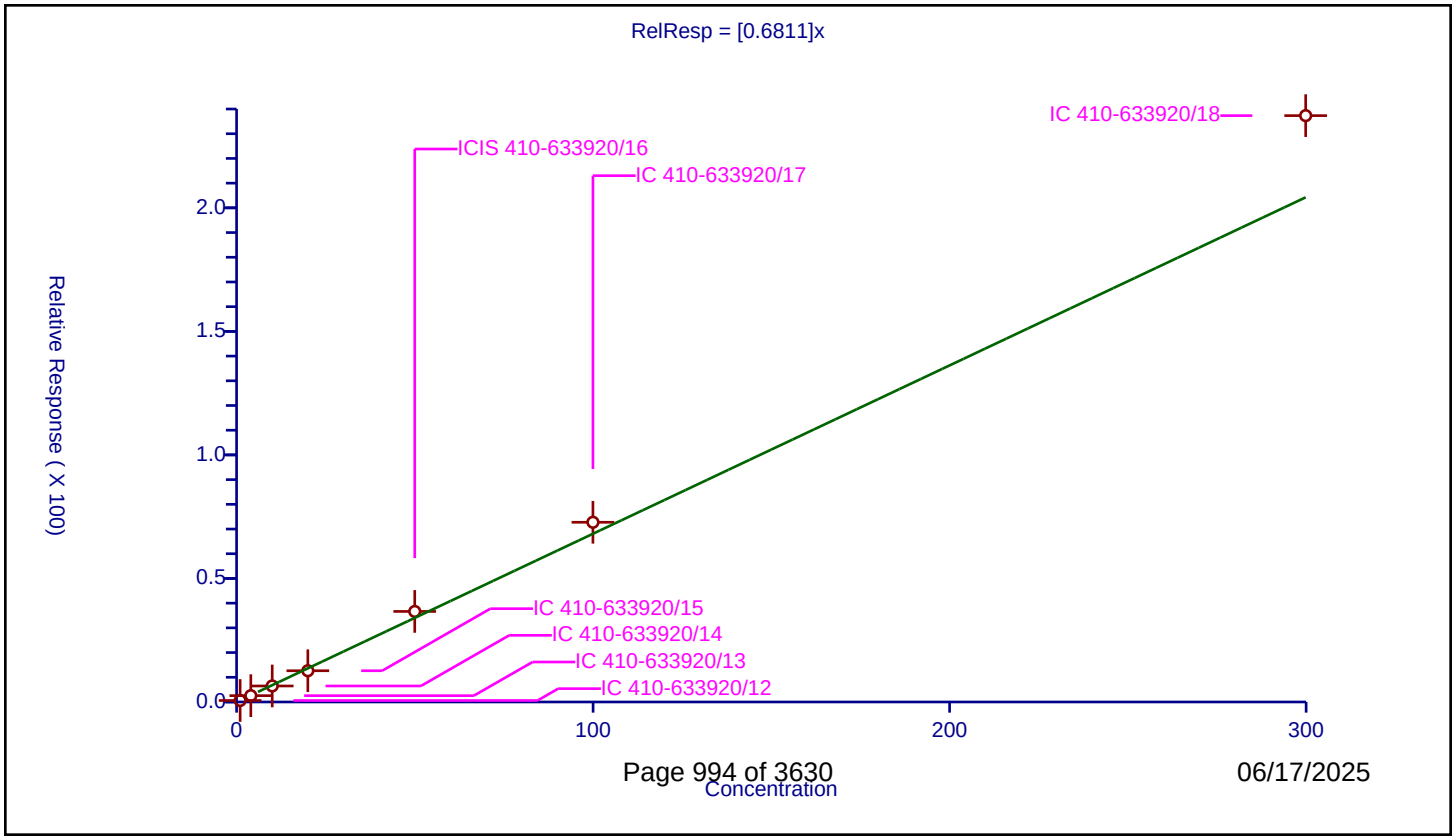
Curve Coefficients

Intercept:	0
Slope:	0.6811

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	0.999582	0.594498	50.0	860979.0	0.594746	Y
2	IC 410-633920/13	3.99833	2.55829	50.0	836379.0	0.63984	Y
3	IC 410-633920/14	9.995824	6.479836	50.0	839512.0	0.648254	Y
4	IC 410-633920/15	19.991648	12.648457	50.0	862963.0	0.632687	Y
5	ICIS 410-633920/16	49.97912	36.645192	50.0	869069.0	0.73321	Y
6	IC 410-633920/17	99.95824	72.744536	50.0	937889.0	0.727749	Y
7	IC 410-633920/18	299.87472	237.323331	50.0	859729.0	0.791408	Y



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Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

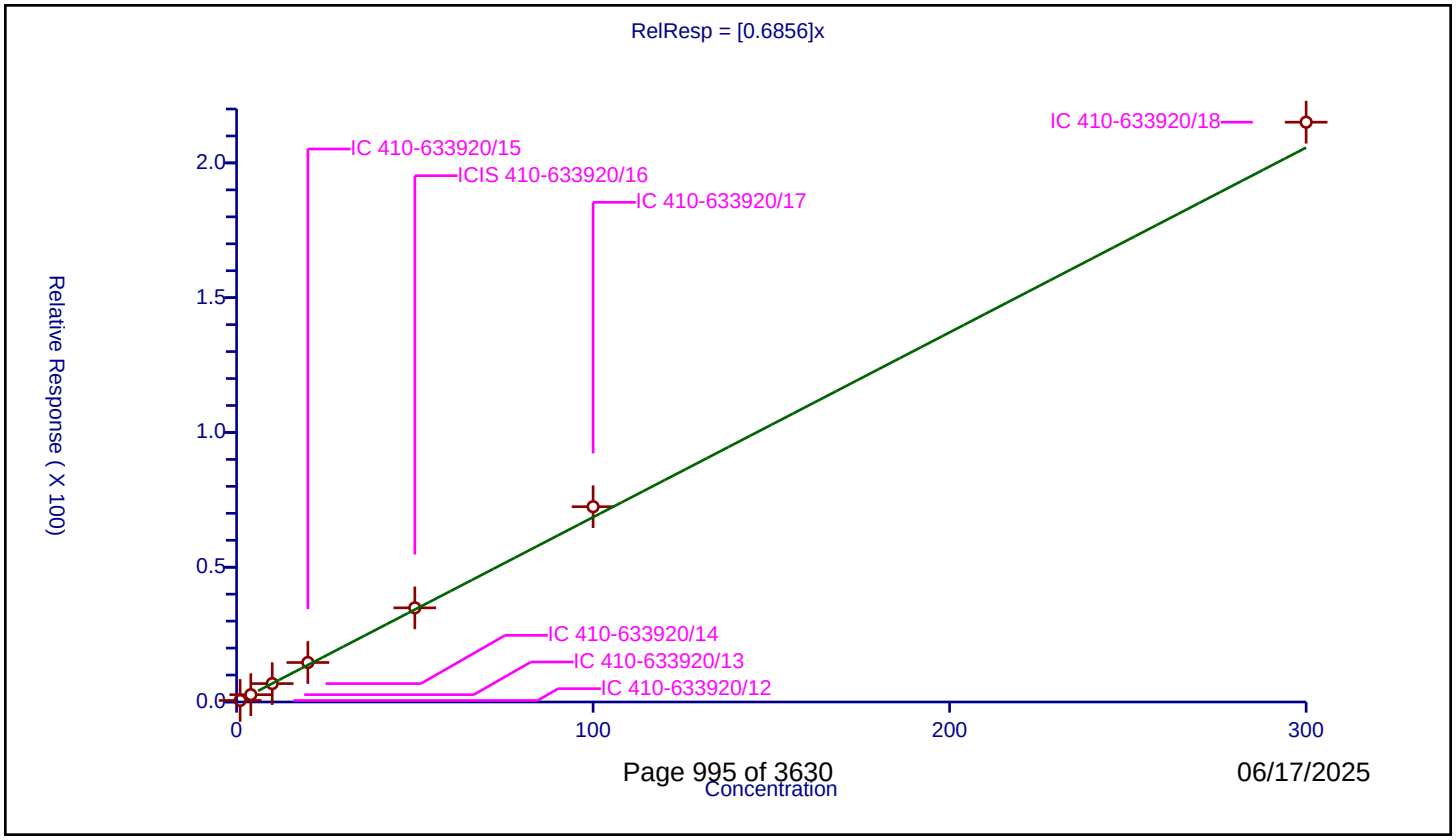
Curve Coefficients

Intercept:	0
Slope:	0.6856

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.565926	50.0	860979.0	0.565926	Y
2	IC 410-633920/13	4.0	2.716173	50.0	836379.0	0.679043	Y
3	IC 410-633920/14	10.0	6.821939	50.0	839512.0	0.682194	Y
4	IC 410-633920/15	20.0	14.644834	50.0	862963.0	0.732242	Y
5	ICIS 410-633920/16	50.0	34.92588	50.0	869069.0	0.698518	Y
6	IC 410-633920/17	100.0	72.451431	50.0	937889.0	0.724514	Y
7	IC 410-633920/18	300.0	215.116566	50.0	859729.0	0.717055	Y



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Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

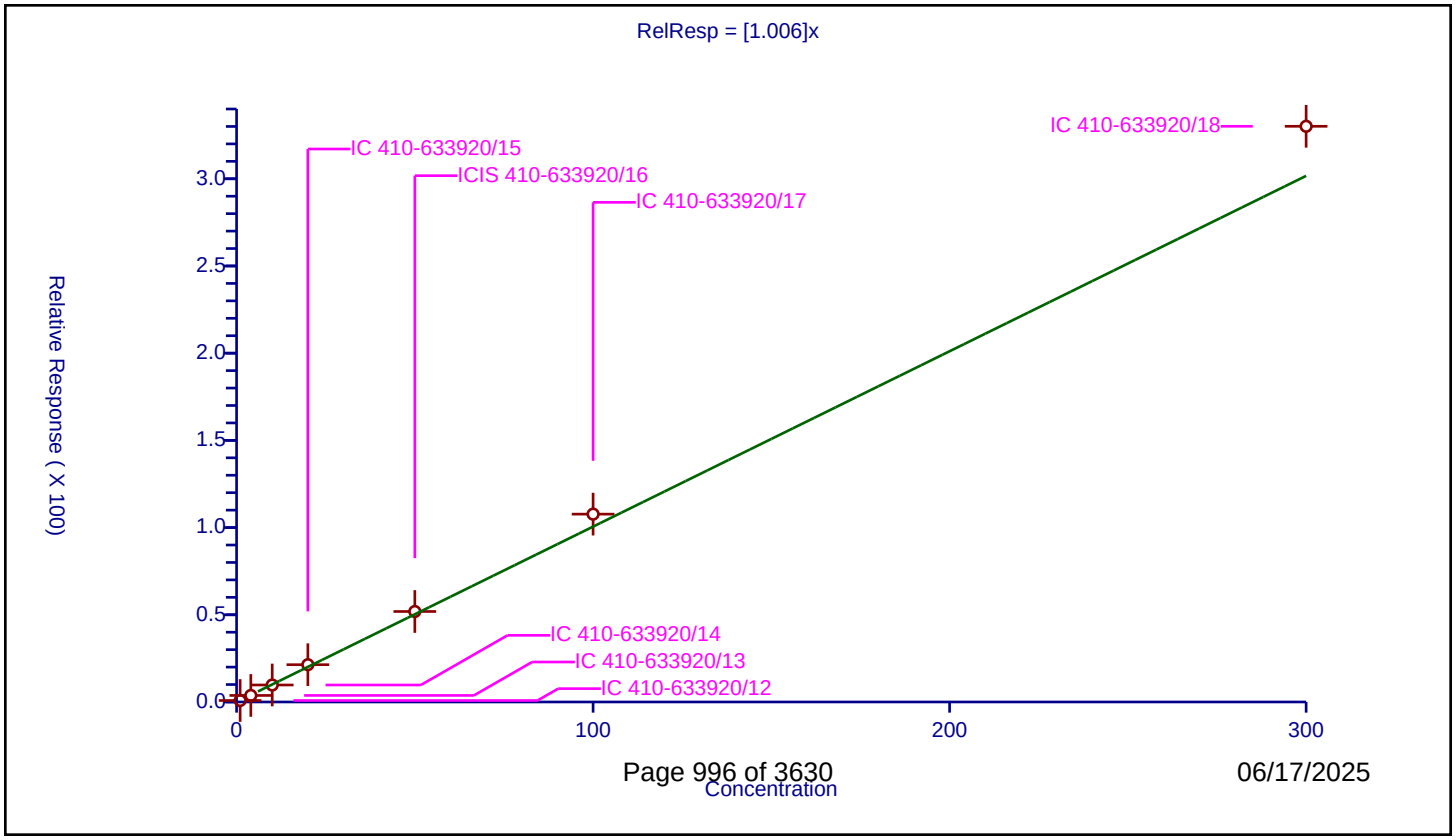
Curve Coefficients

Intercept:	0
Slope:	1.006

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.841019	50.0	860979.0	0.841019	Y
2	IC 410-633920/13	4.0	3.756969	50.0	836379.0	0.939242	Y
3	IC 410-633920/14	10.0	9.739765	50.0	839512.0	0.973977	Y
4	IC 410-633920/15	20.0	21.385853	50.0	862963.0	1.069293	Y
5	ICIS 410-633920/16	50.0	51.888055	50.0	869069.0	1.037761	Y
6	IC 410-633920/17	100.0	107.715465	50.0	937889.0	1.077155	Y
7	IC 410-633920/18	300.0	330.086574	50.0	859729.0	1.100289	Y



06/17/2025

Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

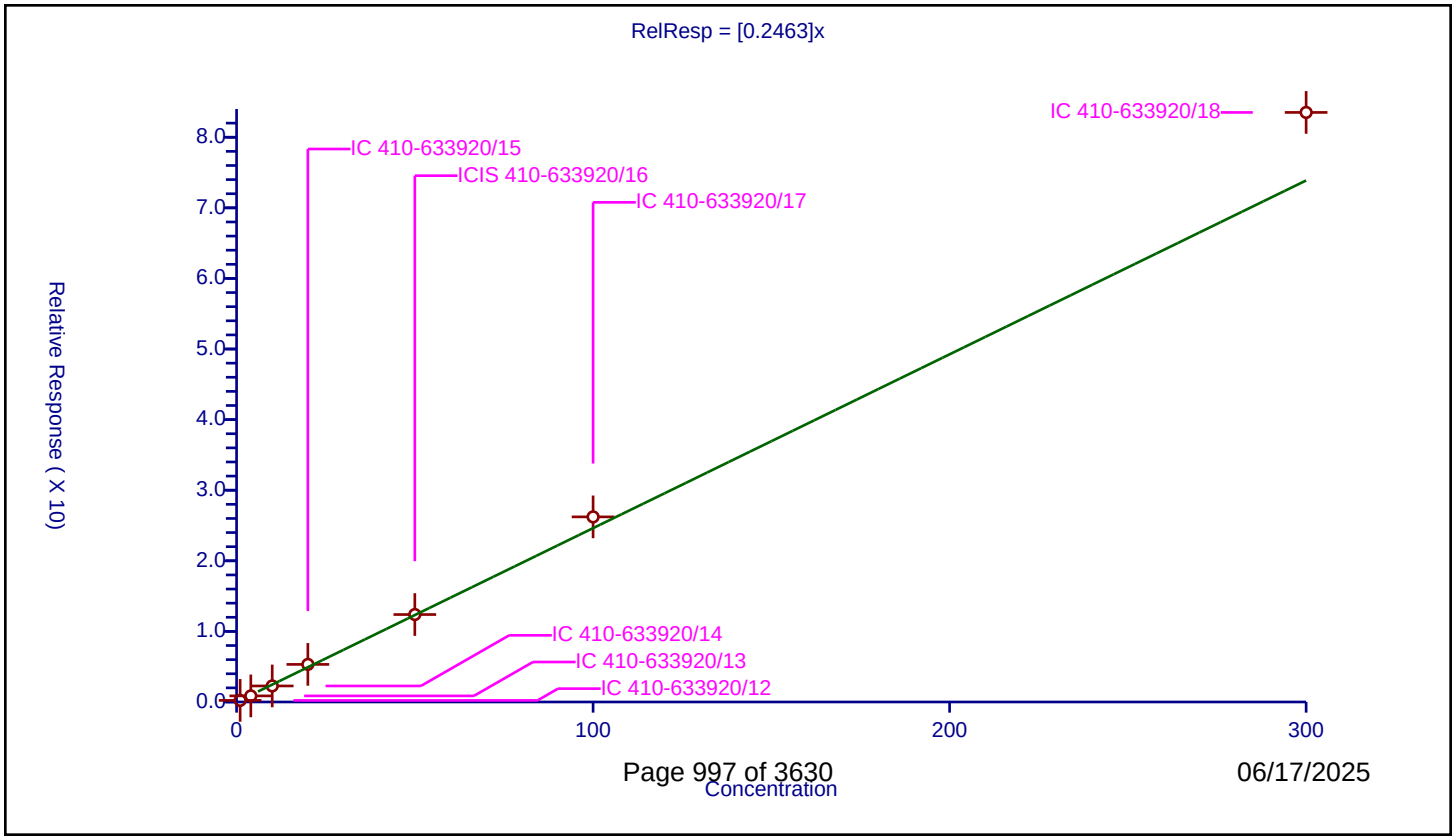
Curve Coefficients

Intercept:	0
Slope:	0.2463

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.226196	50.0	860979.0	0.226196	Y
2	IC 410-633920/13	4.0	0.863245	50.0	836379.0	0.215811	Y
3	IC 410-633920/14	10.0	2.271379	50.0	839512.0	0.227138	Y
4	IC 410-633920/15	20.0	5.325431	50.0	862963.0	0.266272	Y
5	ICIS 410-633920/16	50.0	12.389753	50.0	869069.0	0.247795	Y
6	IC 410-633920/17	100.0	26.220214	50.0	937889.0	0.262202	Y
7	IC 410-633920/18	300.0	83.516783	50.0	859729.0	0.278389	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

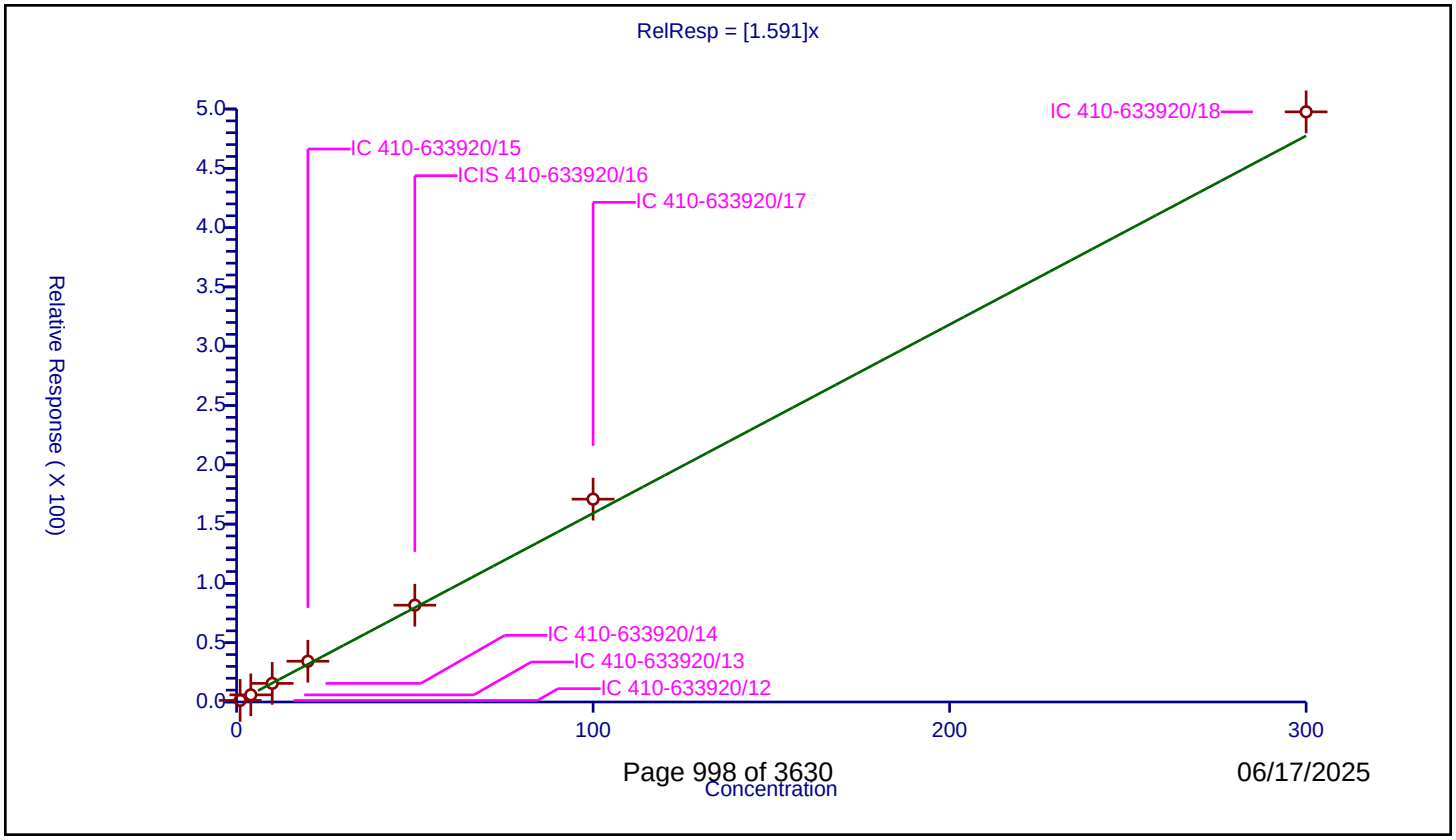
Curve Coefficients

Intercept:	0
Slope:	1.591

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	1.34771	50.0	860979.0	1.34771	Y
2	IC 410-633920/13	4.0	6.014558	50.0	836379.0	1.503639	Y
3	IC 410-633920/14	10.0	15.679764	50.0	839512.0	1.567976	Y
4	IC 410-633920/15	20.0	34.361149	50.0	862963.0	1.718057	Y
5	ICIS 410-633920/16	50.0	81.643115	50.0	869069.0	1.632862	Y
6	IC 410-633920/17	100.0	171.033139	50.0	937889.0	1.710331	Y
7	IC 410-633920/18	300.0	497.622856	50.0	859729.0	1.658743	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

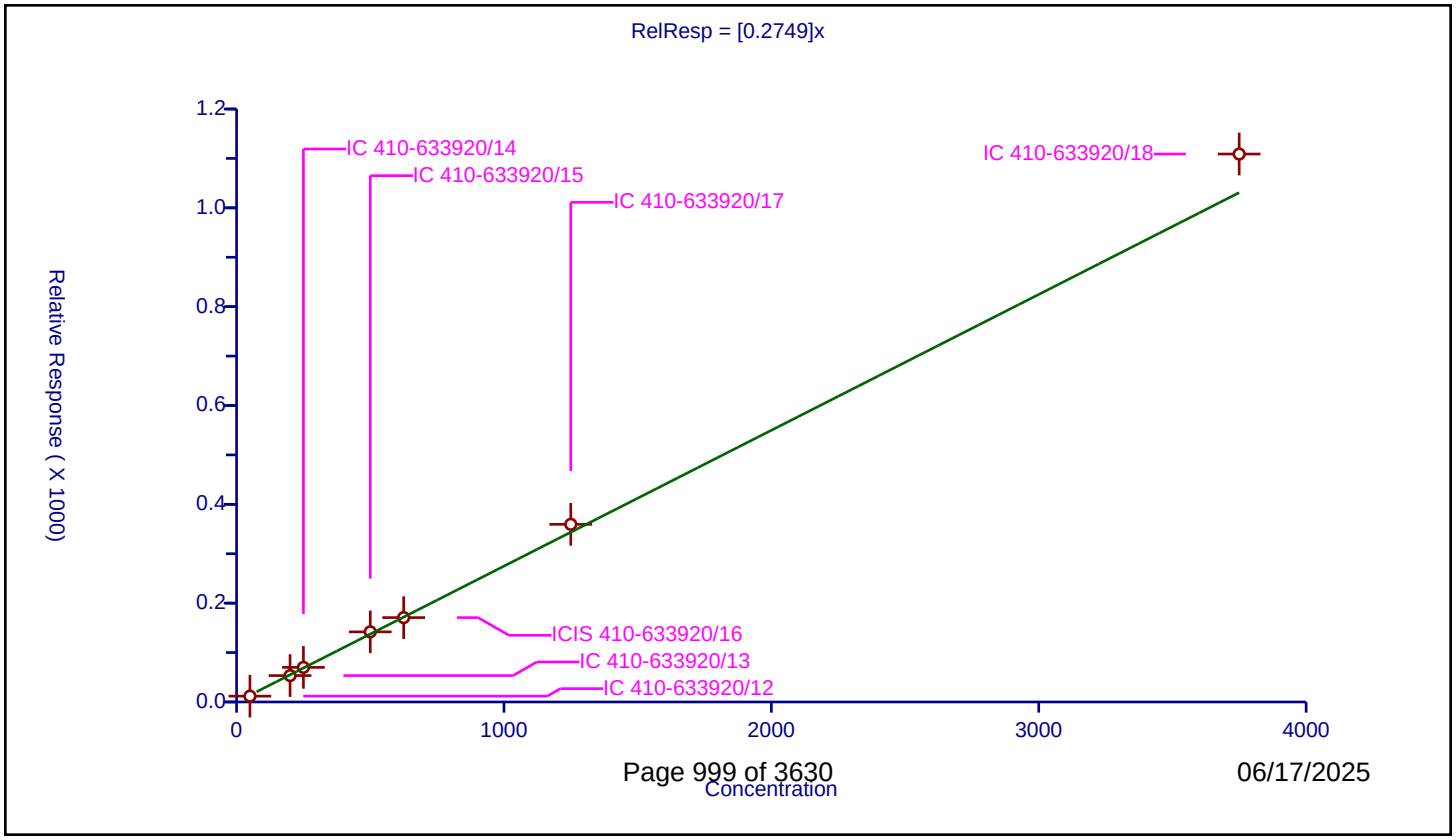
Curve Coefficients

Intercept:	0
Slope:	0.2749

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	49.995598	11.817063	250.0	464794.0	0.236362	Y
2	IC 410-633920/13	199.982394	53.444484	250.0	446482.0	0.267246	Y
3	IC 410-633920/14	249.977992	70.044057	250.0	437157.0	0.280201	Y
4	IC 410-633920/15	499.955984	141.913853	250.0	444266.0	0.283853	Y
5	ICIS 410-633920/16	624.94498	170.792758	250.0	477409.0	0.273292	Y
6	IC 410-633920/17	1249.88996	359.567442	250.0	470434.0	0.287679	Y
7	IC 410-633920/18	3749.66988	1108.888735	250.0	454581.0	0.29573	Y



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Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

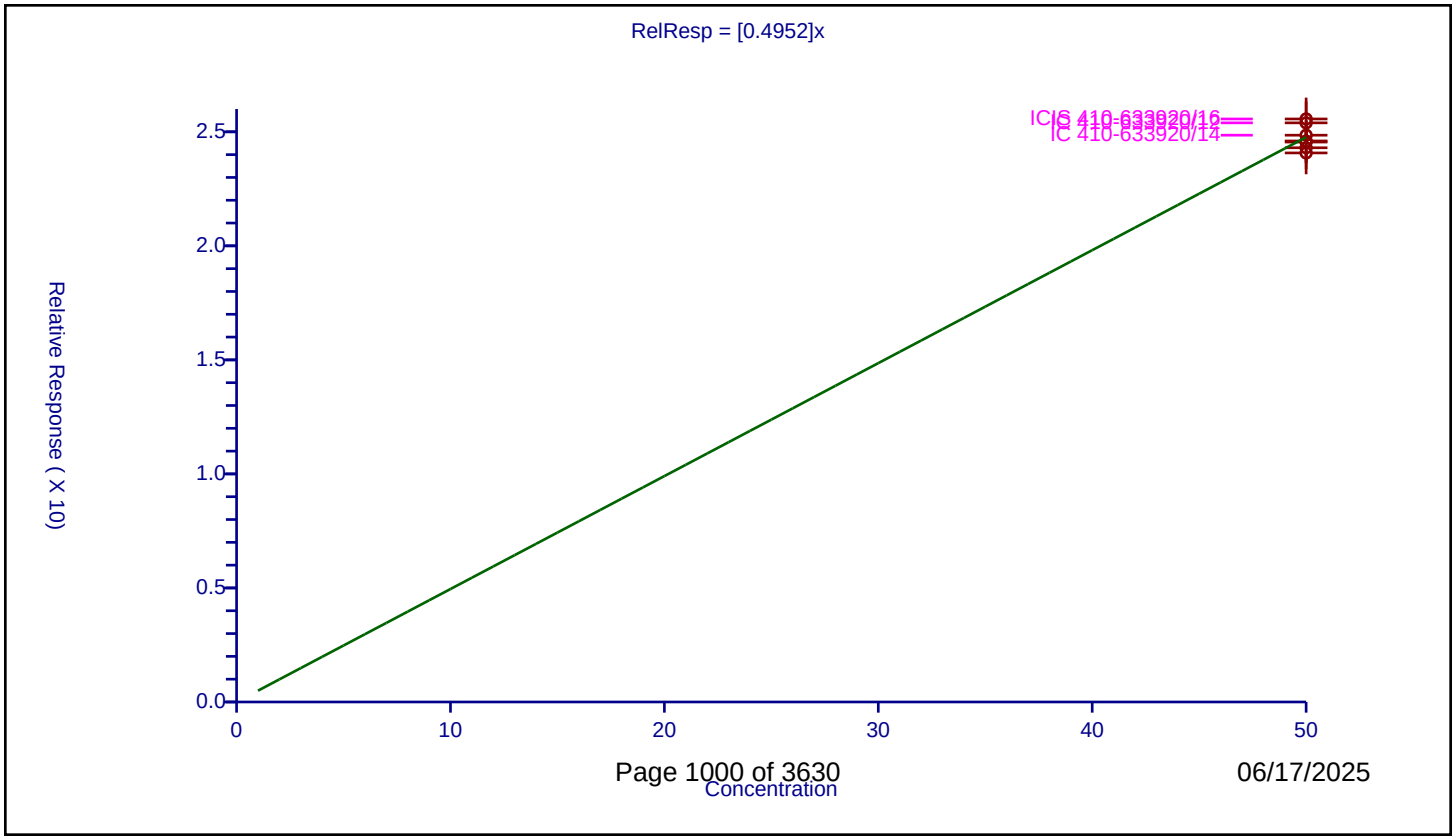
Curve Coefficients

Intercept:	0
Slope:	0.4952

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	50.0	25.39307	50.0	860979.0	0.507861	Y
2	IC 410-633920/13	50.0	24.599016	50.0	836379.0	0.49198	Y
3	IC 410-633920/14	50.0	24.851878	50.0	839512.0	0.497038	Y
4	IC 410-633920/15	50.0	24.550821	50.0	862963.0	0.491016	Y
5	ICIS 410-633920/16	50.0	25.564138	50.0	869069.0	0.511283	Y
6	IC 410-633920/17	50.0	24.074757	50.0	937889.0	0.481495	Y
7	IC 410-633920/18	50.0	24.301146	50.0	859729.0	0.486023	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

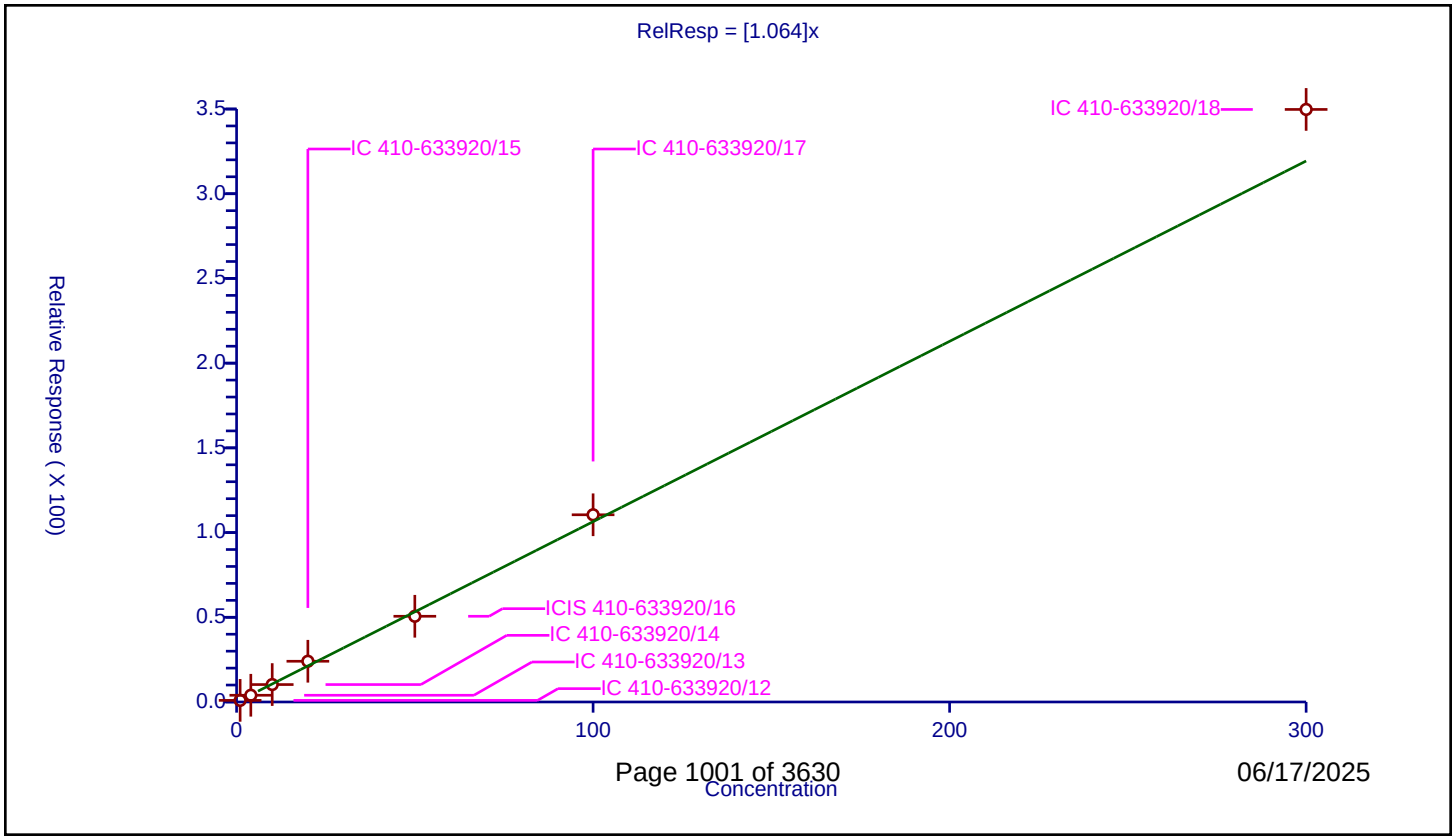
Curve Coefficients

Intercept:	0
Slope:	1.064

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.945034	50.0	510405.0	0.945034	Y
2	IC 410-633920/13	4.0	3.966543	50.0	498734.0	0.991636	Y
3	IC 410-633920/14	10.0	10.293235	50.0	491381.0	1.029323	Y
4	IC 410-633920/15	20.0	24.044078	50.0	502970.0	1.202204	Y
5	ICIS 410-633920/16	50.0	50.58814	50.0	514248.0	1.011763	Y
6	IC 410-633920/17	100.0	110.498535	50.0	518439.0	1.104985	Y
7	IC 410-633920/18	300.0	349.742709	50.0	454544.0	1.165809	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

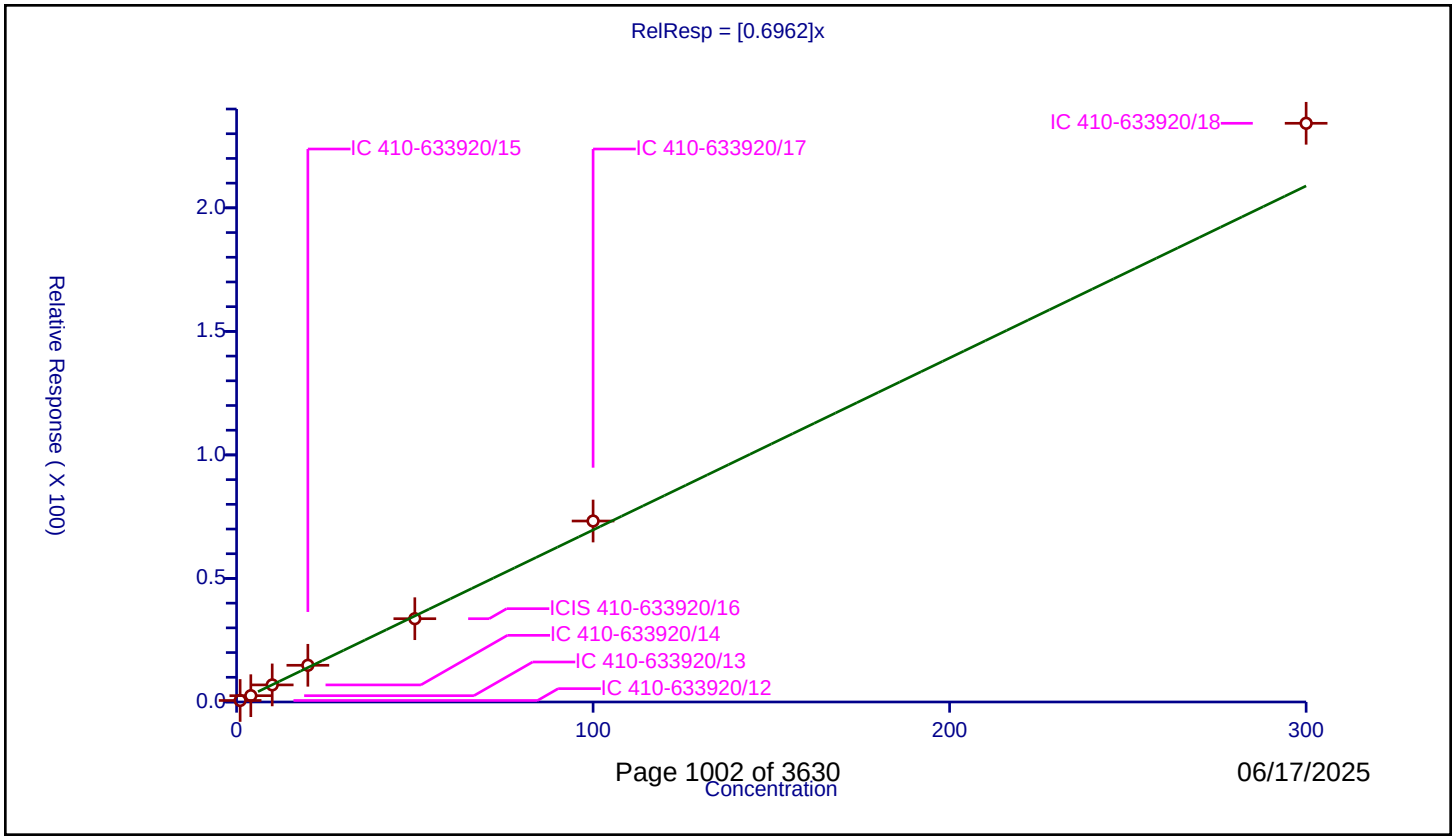
Curve Coefficients

Intercept:	0
Slope:	0.6962

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.613239	50.0	510405.0	0.613239	Y
2	IC 410-633920/13	4.0	2.556172	50.0	498734.0	0.639043	Y
3	IC 410-633920/14	10.0	6.909404	50.0	491381.0	0.69094	Y
4	IC 410-633920/15	20.0	14.856154	50.0	502970.0	0.742808	Y
5	ICIS 410-633920/16	50.0	33.715056	50.0	514248.0	0.674301	Y
6	IC 410-633920/17	100.0	73.250951	50.0	518439.0	0.73251	Y
7	IC 410-633920/18	300.0	234.22133	50.0	454544.0	0.780738	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

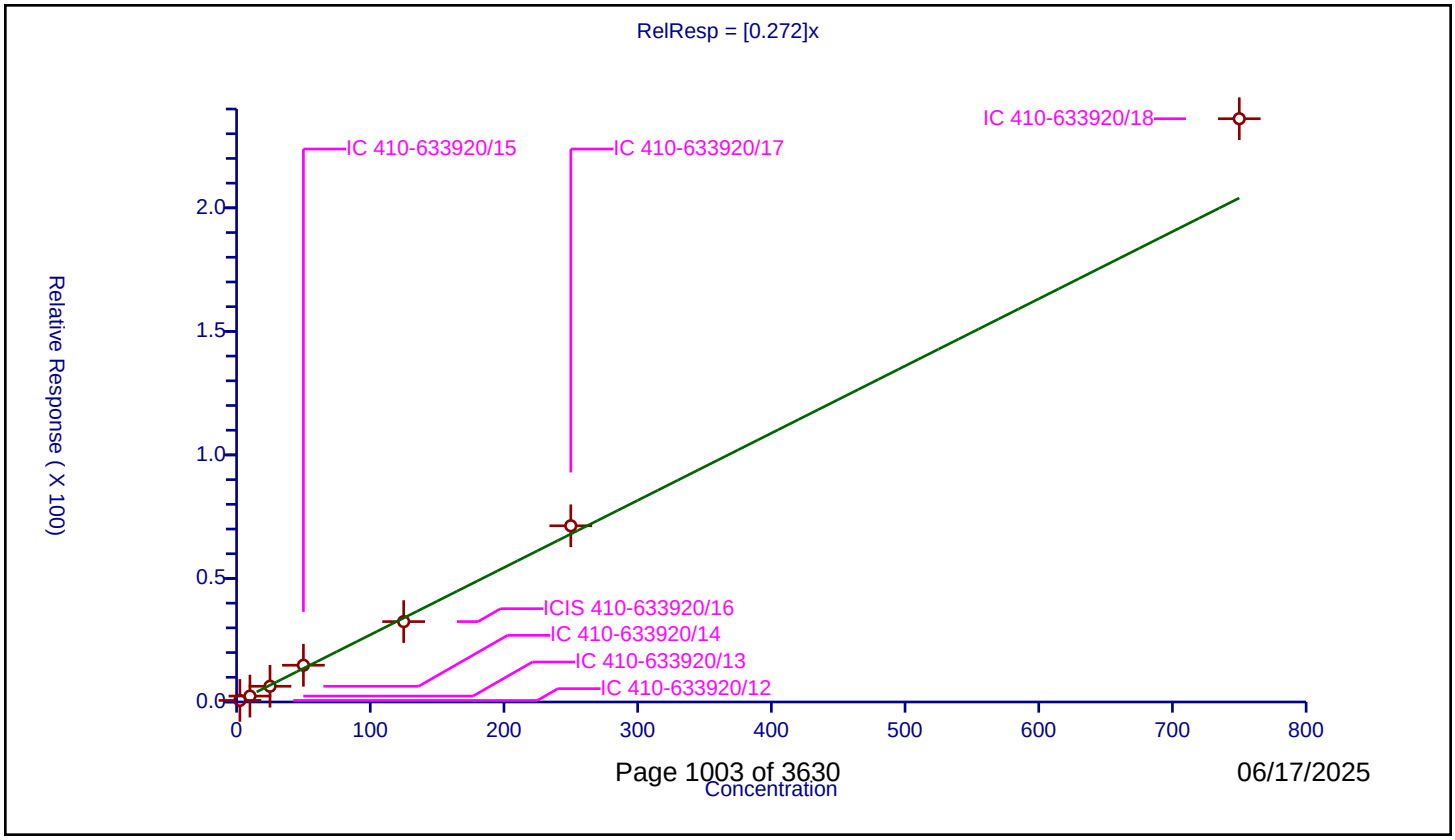
Curve Coefficients

Intercept:	0
Slope:	0.272

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	2.5	0.631165	50.0	510405.0	0.252466	Y
2	IC 410-633920/13	10.0	2.391054	50.0	498734.0	0.239105	Y
3	IC 410-633920/14	25.0	6.358508	50.0	491381.0	0.25434	Y
4	IC 410-633920/15	50.0	14.877826	50.0	502970.0	0.297557	Y
5	ICIS 410-633920/16	125.0	32.531969	50.0	514248.0	0.260256	Y
6	IC 410-633920/17	250.0	71.316008	50.0	518439.0	0.285264	Y
7	IC 410-633920/18	750.0	236.075385	50.0	454544.0	0.314767	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

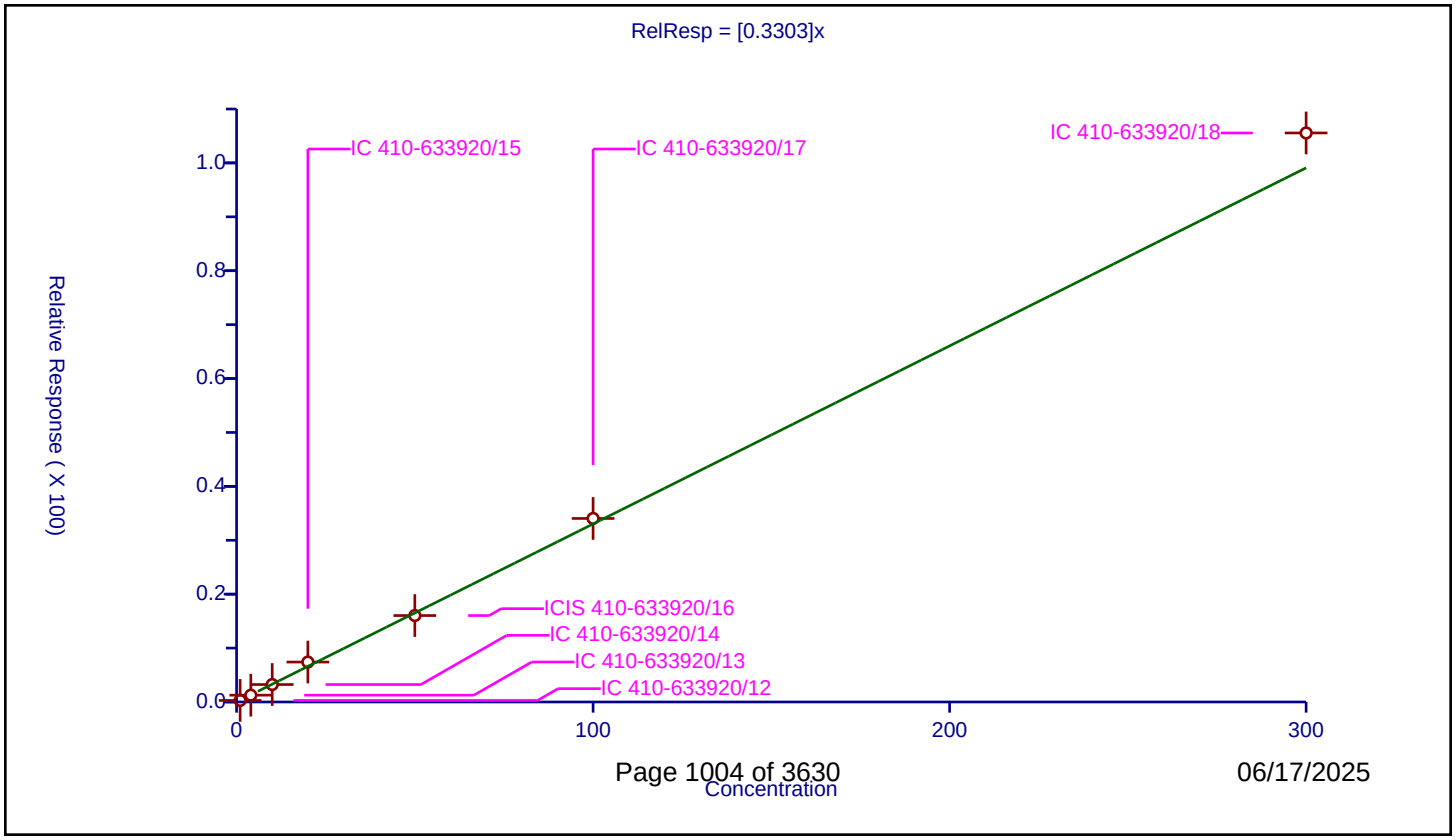
Curve Coefficients

Intercept:	0
Slope:	0.3303

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.289672	50.0	510405.0	0.289672	Y
2	IC 410-633920/13	4.0	1.261795	50.0	498734.0	0.315449	Y
3	IC 410-633920/14	10.0	3.235473	50.0	491381.0	0.323547	Y
4	IC 410-633920/15	20.0	7.405412	50.0	502970.0	0.370271	Y
5	ICIS 410-633920/16	50.0	16.034773	50.0	514248.0	0.320695	Y
6	IC 410-633920/17	100.0	34.0474	50.0	518439.0	0.340474	Y
7	IC 410-633920/18	300.0	105.559748	50.0	454544.0	0.351866	Y



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Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

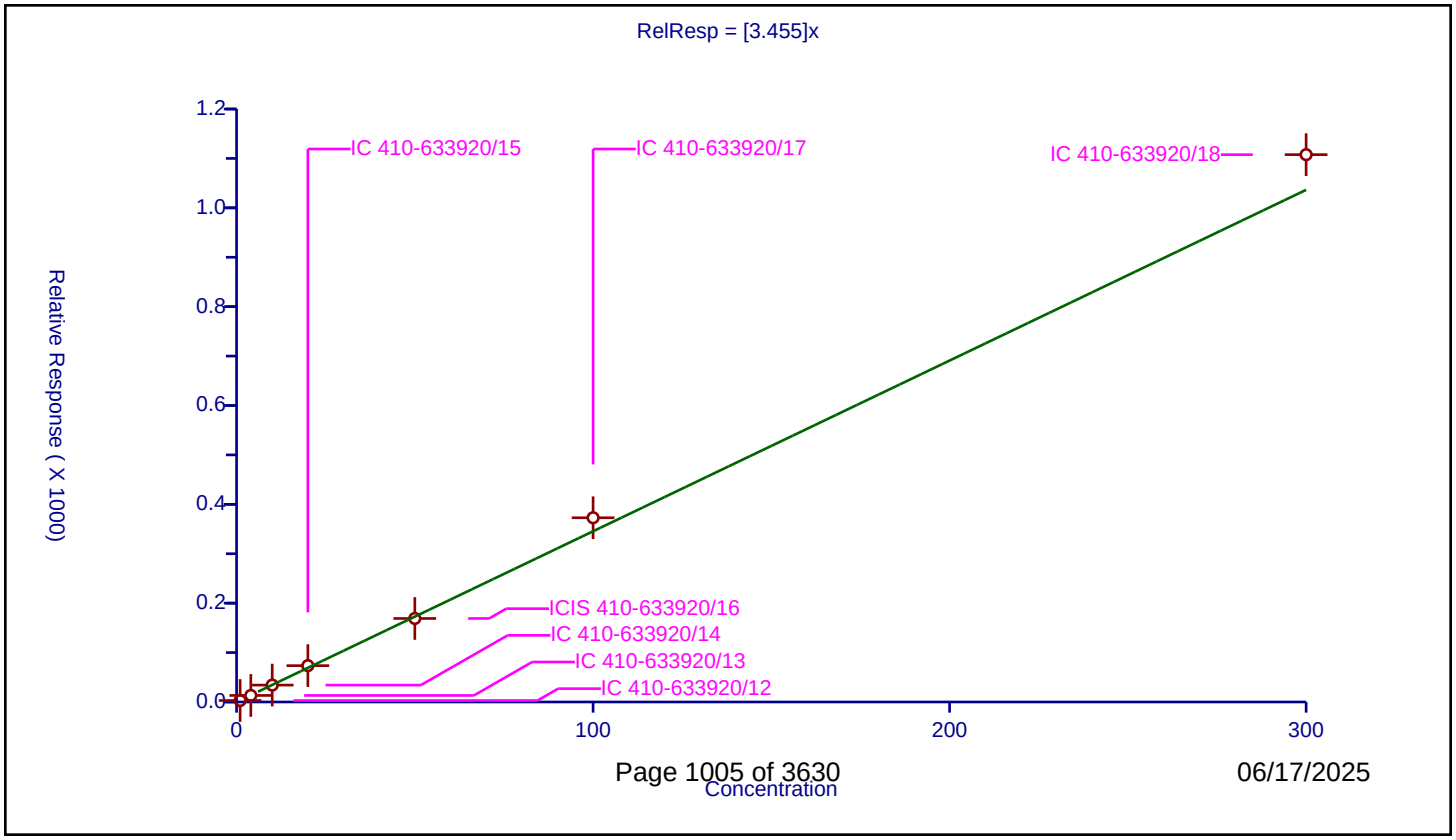
Curve Coefficients

Intercept:	0
Slope:	3.455

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	2.968231	50.0	510405.0	2.968231	Y
2	IC 410-633920/13	4.0	13.273308	50.0	498734.0	3.318327	Y
3	IC 410-633920/14	10.0	34.193019	50.0	491381.0	3.419302	Y
4	IC 410-633920/15	20.0	73.510349	50.0	502970.0	3.675517	Y
5	ICIS 410-633920/16	50.0	169.006783	50.0	514248.0	3.380136	Y
6	IC 410-633920/17	100.0	372.840778	50.0	518439.0	3.728408	Y
7	IC 410-633920/18	300.0	1107.689905	50.0	454544.0	3.6923	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

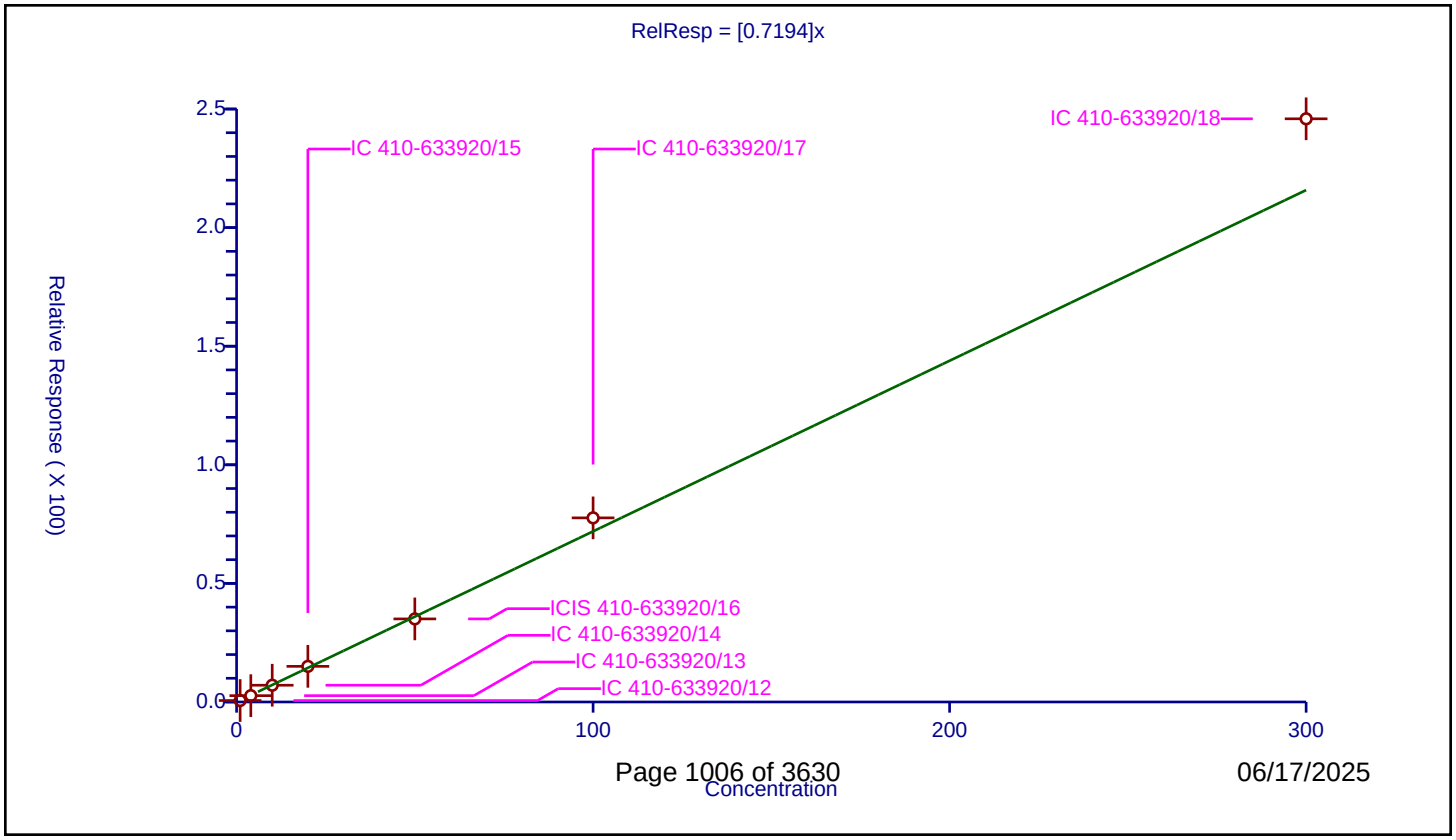
Curve Coefficients

Intercept:	0
Slope:	0.7194

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.614414	50.0	510405.0	0.614414	Y
2	IC 410-633920/13	4.0	2.667153	50.0	498734.0	0.666788	Y
3	IC 410-633920/14	10.0	7.0658	50.0	491381.0	0.70658	Y
4	IC 410-633920/15	20.0	15.025946	50.0	502970.0	0.751297	Y
5	ICIS 410-633920/16	50.0	35.027749	50.0	514248.0	0.700555	Y
6	IC 410-633920/17	100.0	77.624561	50.0	518439.0	0.776246	Y
7	IC 410-633920/18	300.0	245.878397	50.0	454544.0	0.819595	Y



06/17/2025

Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

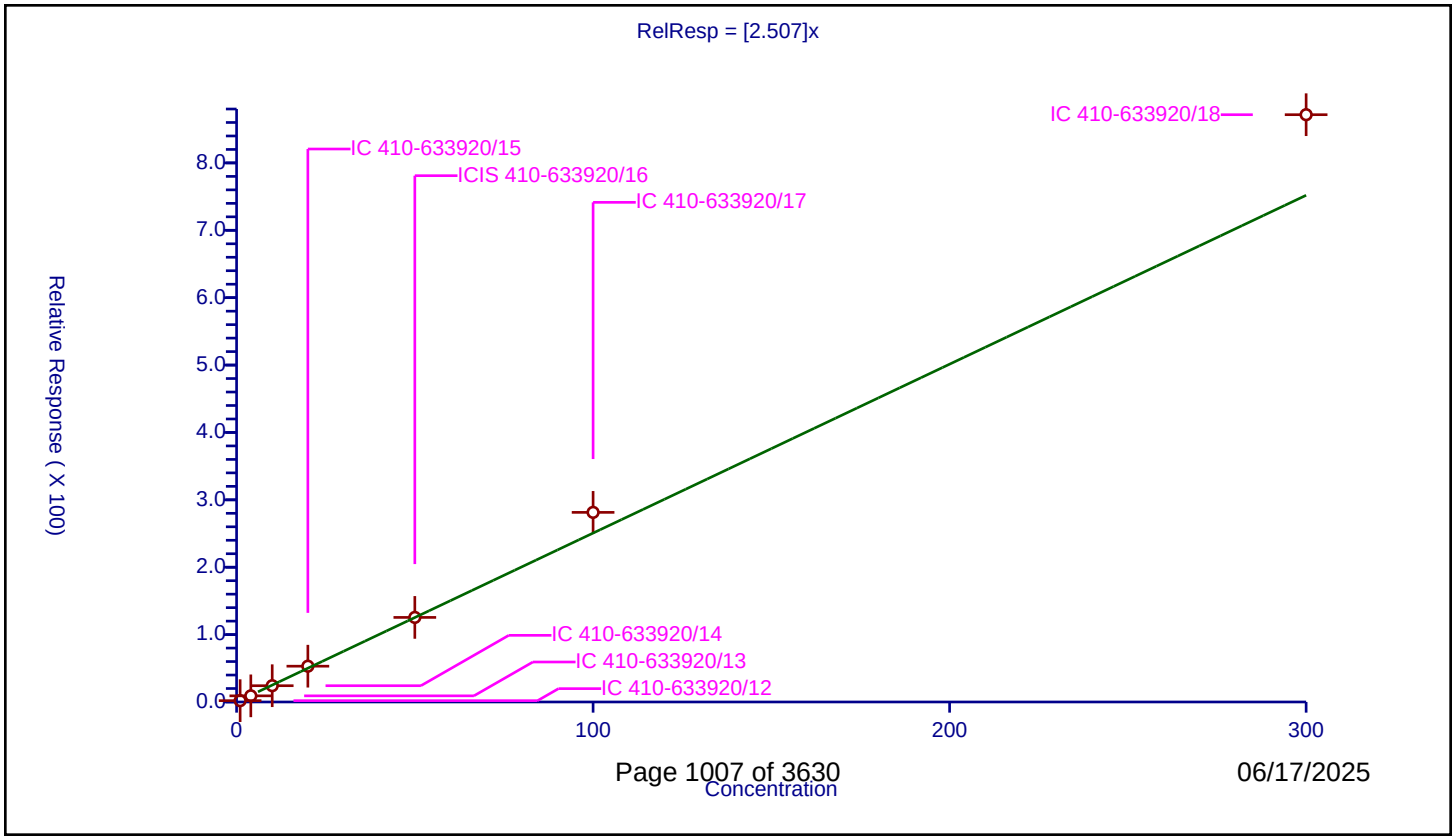
Curve Coefficients

Intercept:	0
Slope:	2.507

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	1.962755	50.0	510405.0	1.962755	Y
2	IC 410-633920/13	4.0	9.130318	50.0	498734.0	2.282579	Y
3	IC 410-633920/14	10.0	24.147454	50.0	491381.0	2.414745	Y
4	IC 410-633920/15	20.0	53.137563	50.0	502970.0	2.656878	Y
5	ICIS 410-633920/16	50.0	125.511913	50.0	514248.0	2.510238	Y
6	IC 410-633920/17	100.0	281.408324	50.0	518439.0	2.814083	Y
7	IC 410-633920/18	300.0	871.579319	50.0	454544.0	2.905264	Y



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Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

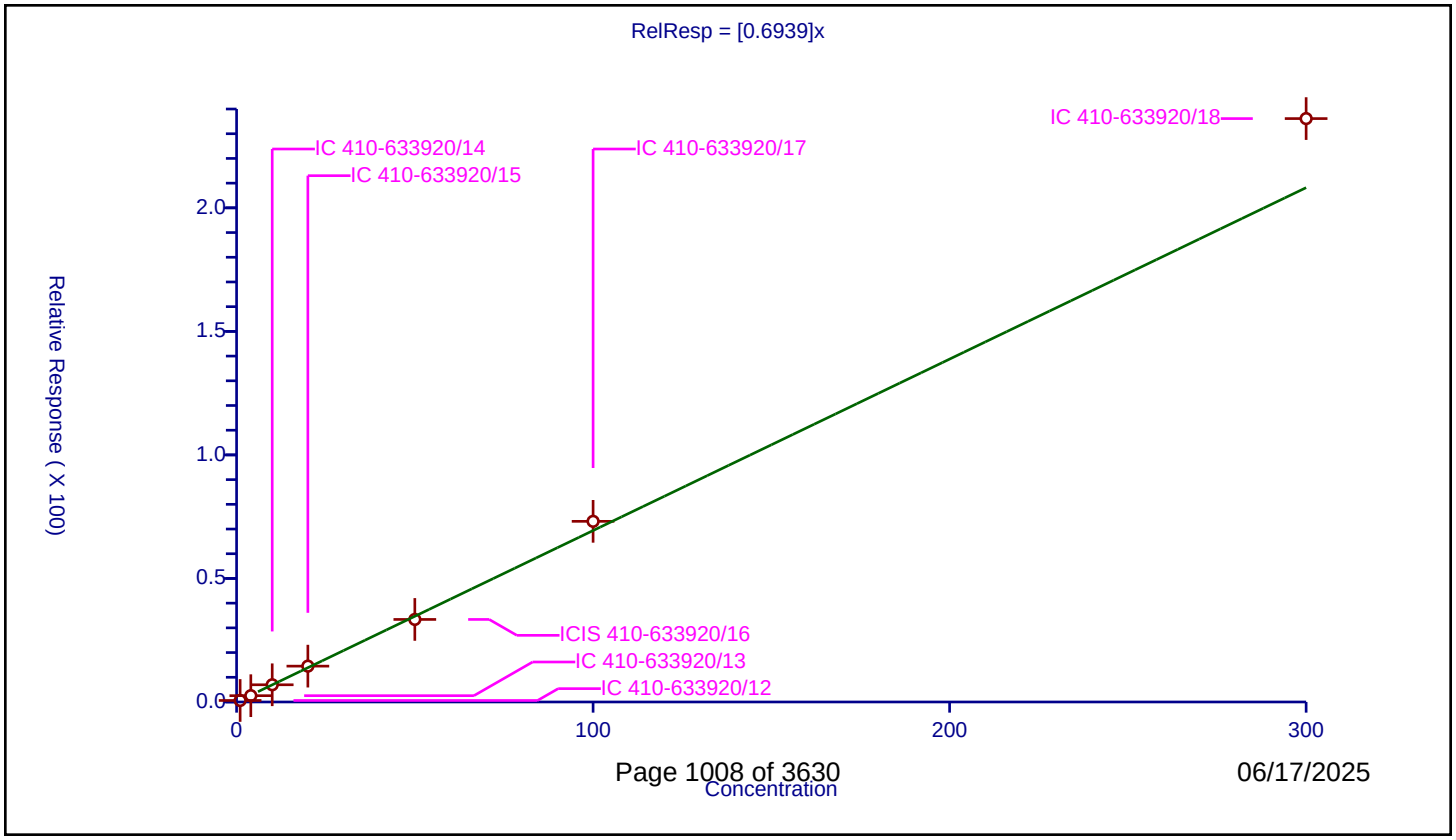
Curve Coefficients

Intercept:	0
Slope:	0.6939

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.610594	50.0	510405.0	0.610594	Y
2	IC 410-633920/13	4.0	2.553566	50.0	498734.0	0.638391	Y
3	IC 410-633920/14	10.0	6.96313	50.0	491381.0	0.696313	Y
4	IC 410-633920/15	20.0	14.511005	50.0	502970.0	0.72555	Y
5	ICIS 410-633920/16	50.0	33.405478	50.0	514248.0	0.66811	Y
6	IC 410-633920/17	100.0	73.122103	50.0	518439.0	0.731221	Y
7	IC 410-633920/18	300.0	236.120156	50.0	454544.0	0.787067	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

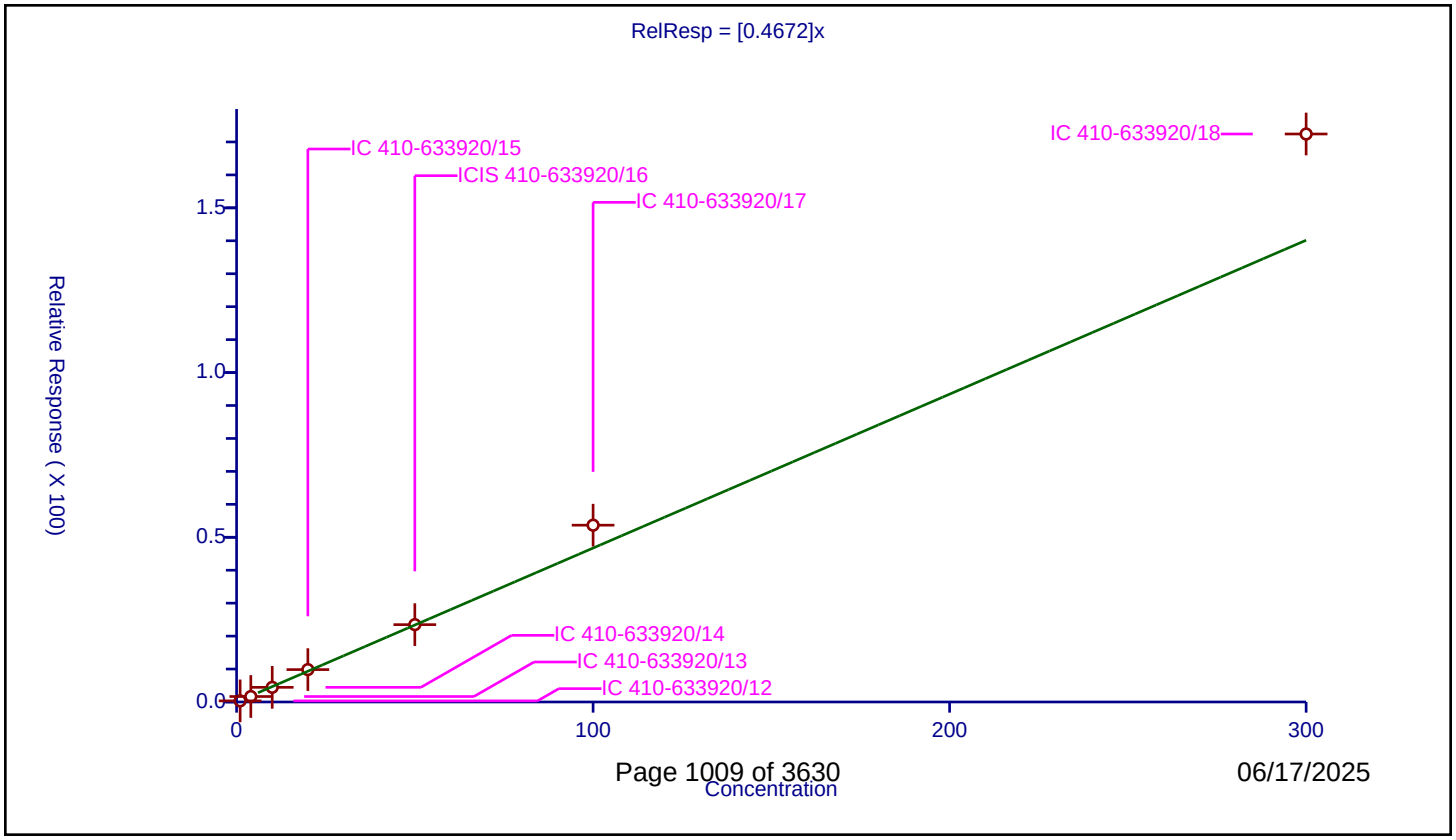
Curve Coefficients

Intercept:	0
Slope:	0.4672

Error Coefficients

Relative Standard Deviation:	16.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.338457	50.0	510405.0	0.338457	Y
2	IC 410-633920/13	4.0	1.660805	50.0	498734.0	0.415201	Y
3	IC 410-633920/14	10.0	4.444616	50.0	491381.0	0.444462	Y
4	IC 410-633920/15	20.0	9.831004	50.0	502970.0	0.49155	Y
5	ICIS 410-633920/16	50.0	23.475541	50.0	514248.0	0.469511	Y
6	IC 410-633920/17	100.0	53.669381	50.0	518439.0	0.536694	Y
7	IC 410-633920/18	300.0	172.412682	50.0	454544.0	0.574709	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

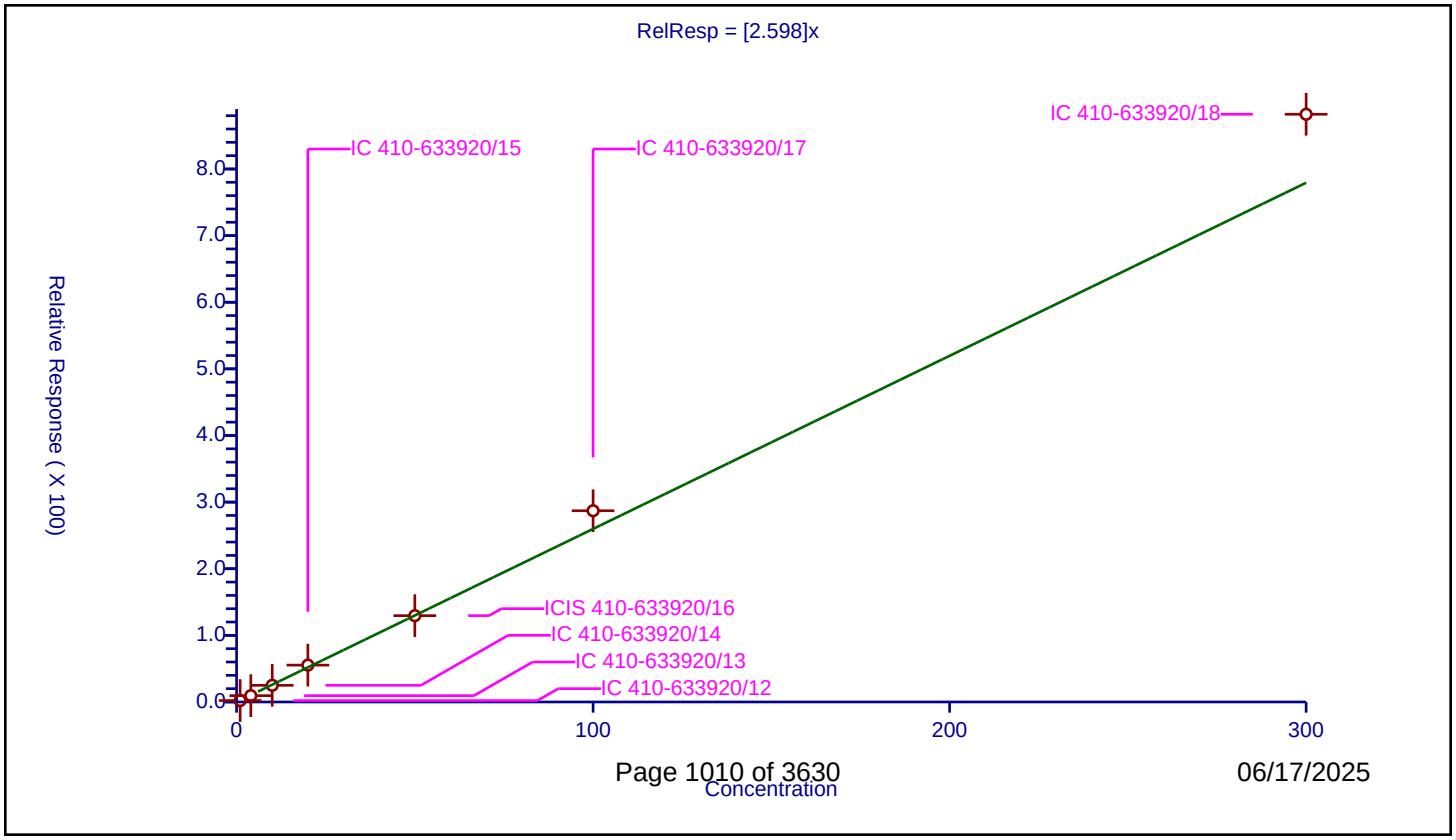
Curve Coefficients

Intercept:	0
Slope:	2.598

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	2.136539	50.0	510405.0	2.136539	Y
2	IC 410-633920/13	4.0	9.510481	50.0	498734.0	2.37762	Y
3	IC 410-633920/14	10.0	25.012872	50.0	491381.0	2.501287	Y
4	IC 410-633920/15	20.0	55.334911	50.0	502970.0	2.766746	Y
5	ICIS 410-633920/16	50.0	129.560251	50.0	514248.0	2.591205	Y
6	IC 410-633920/17	100.0	287.046113	50.0	518439.0	2.870461	Y
7	IC 410-633920/18	300.0	882.110203	50.0	454544.0	2.940367	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

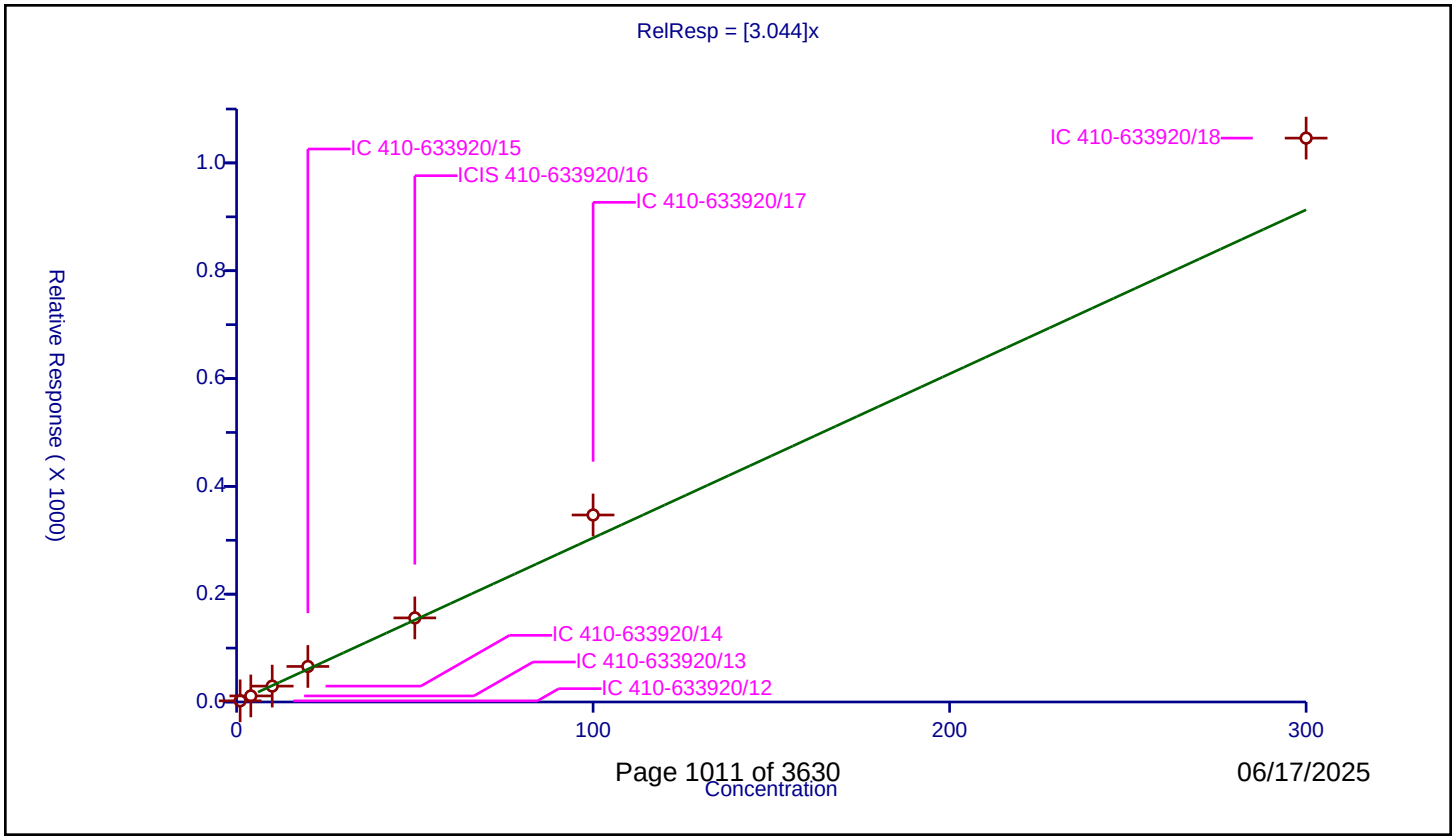
Curve Coefficients

Intercept:	0
Slope:	3.044

Error Coefficients

Relative Standard Deviation:	15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	2.175821	50.0	510405.0	2.175821	Y
2	IC 410-633920/13	4.0	11.248281	50.0	498734.0	2.81207	Y
3	IC 410-633920/14	10.0	29.461253	50.0	491381.0	2.946125	Y
4	IC 410-633920/15	20.0	65.897568	50.0	502970.0	3.294878	Y
5	ICIS 410-633920/16	50.0	156.002843	50.0	514248.0	3.120057	Y
6	IC 410-633920/17	100.0	346.909376	50.0	518439.0	3.469094	Y
7	IC 410-633920/18	300.0	1046.045377	50.0	454544.0	3.486818	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

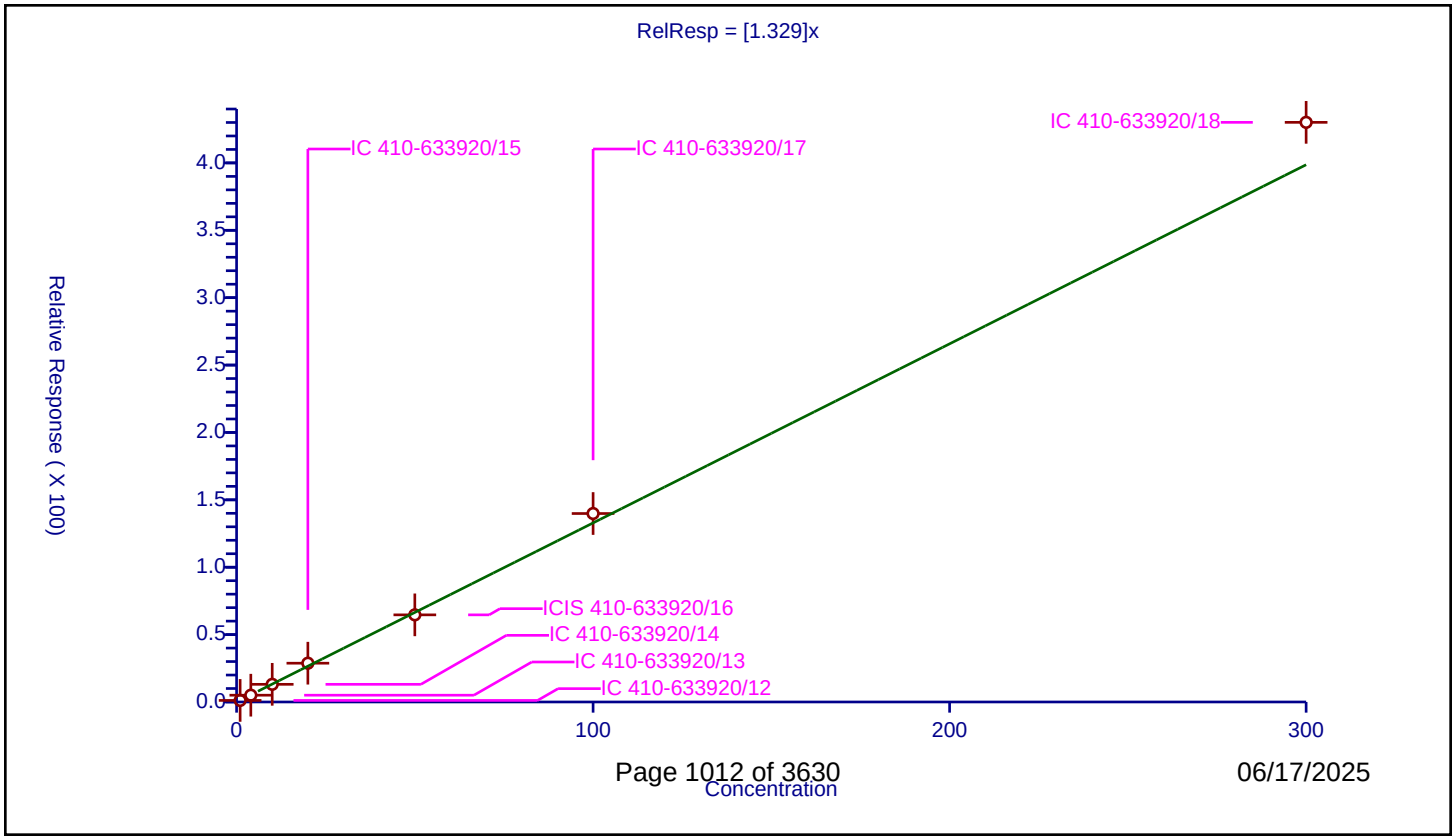
Curve Coefficients

Intercept:	0
Slope:	1.329

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	1.165741	50.0	510405.0	1.165741	Y
2	IC 410-633920/13	4.0	5.041465	50.0	498734.0	1.260366	Y
3	IC 410-633920/14	10.0	13.106022	50.0	491381.0	1.310602	Y
4	IC 410-633920/15	20.0	28.788596	50.0	502970.0	1.43943	Y
5	ICIS 410-633920/16	50.0	64.663061	50.0	514248.0	1.293261	Y
6	IC 410-633920/17	100.0	139.845671	50.0	518439.0	1.398457	Y
7	IC 410-633920/18	300.0	430.108856	50.0	454544.0	1.433696	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

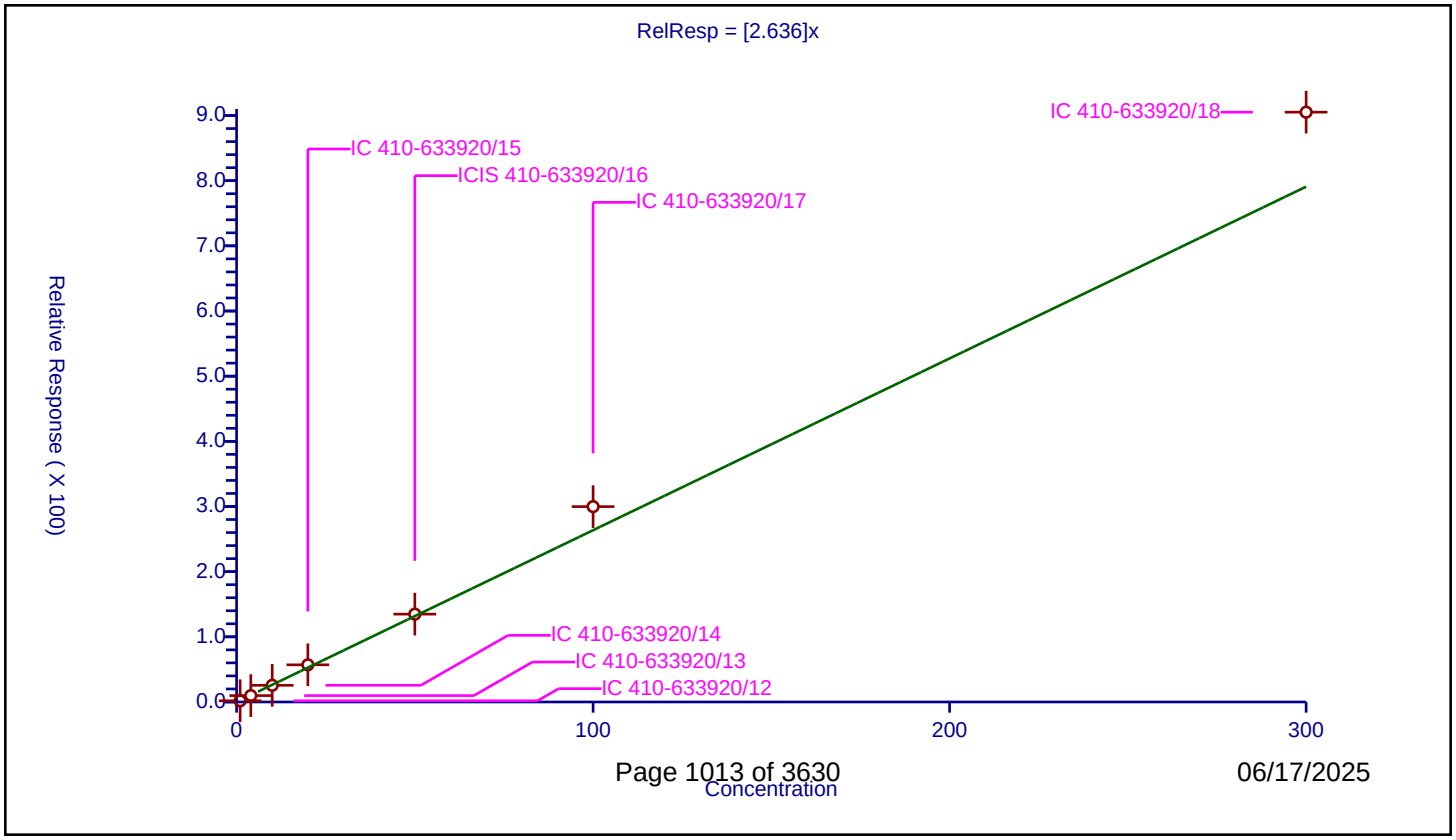
Curve Coefficients

Intercept:	0
Slope:	2.636

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	1.875569	50.0	510405.0	1.875569	Y
2	IC 410-633920/13	4.0	9.814851	50.0	498734.0	2.453713	Y
3	IC 410-633920/14	10.0	25.592972	50.0	491381.0	2.559297	Y
4	IC 410-633920/15	20.0	57.045748	50.0	502970.0	2.852287	Y
5	ICIS 410-633920/16	50.0	134.815303	50.0	514248.0	2.696306	Y
6	IC 410-633920/17	100.0	299.820712	50.0	518439.0	2.998207	Y
7	IC 410-633920/18	300.0	905.169357	50.0	454544.0	3.017231	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

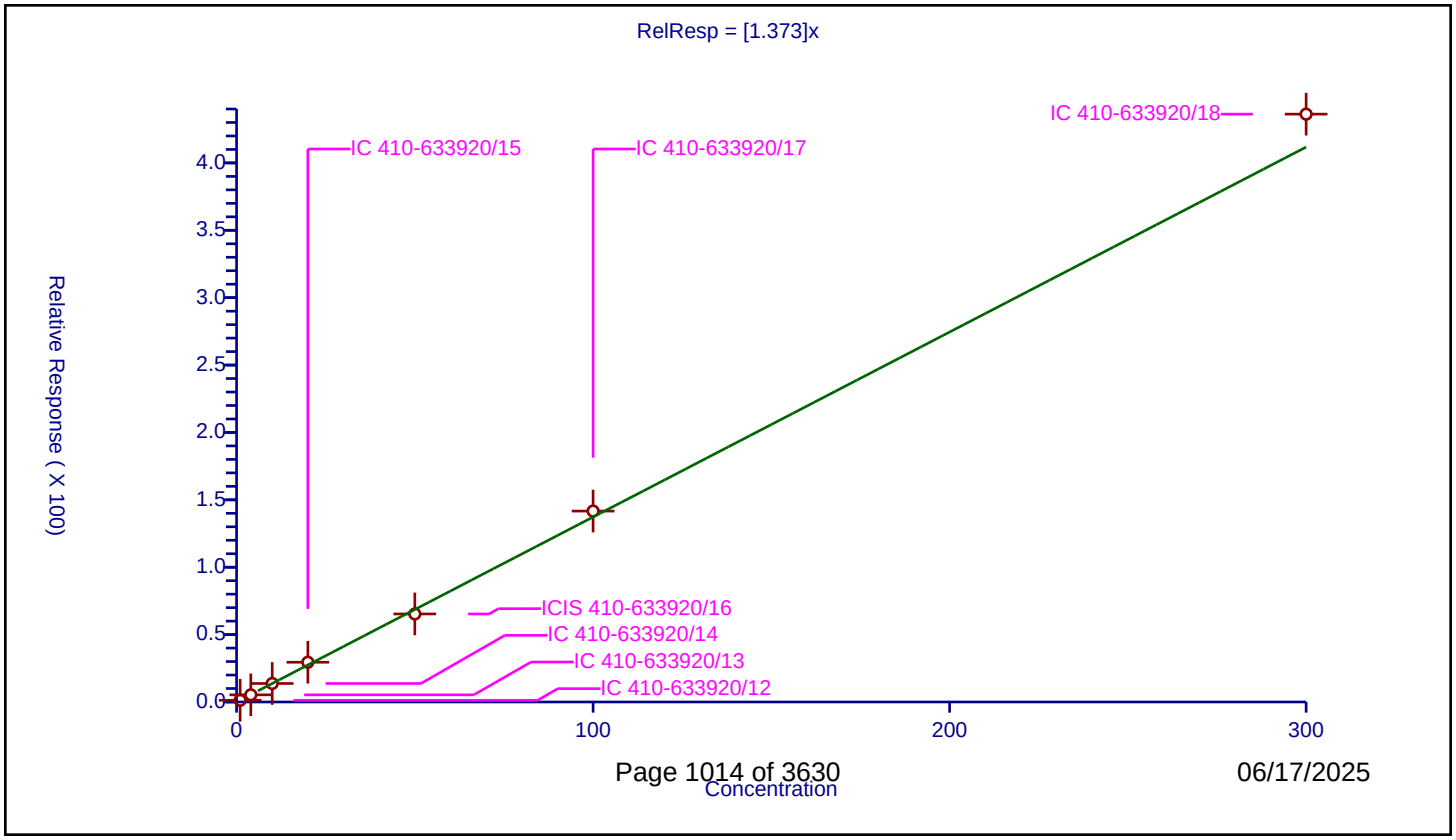
Curve Coefficients

Intercept:	0
Slope:	1.373

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	1.255082	50.0	510405.0	1.255082	Y
2	IC 410-633920/13	4.0	5.316161	50.0	498734.0	1.32904	Y
3	IC 410-633920/14	10.0	13.724177	50.0	491381.0	1.372418	Y
4	IC 410-633920/15	20.0	29.483269	50.0	502970.0	1.474163	Y
5	ICIS 410-633920/16	50.0	65.32179	50.0	514248.0	1.306436	Y
6	IC 410-633920/17	100.0	141.664014	50.0	518439.0	1.41664	Y
7	IC 410-633920/18	300.0	436.191106	50.0	454544.0	1.45397	Y



Calibration / 1,2,3-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

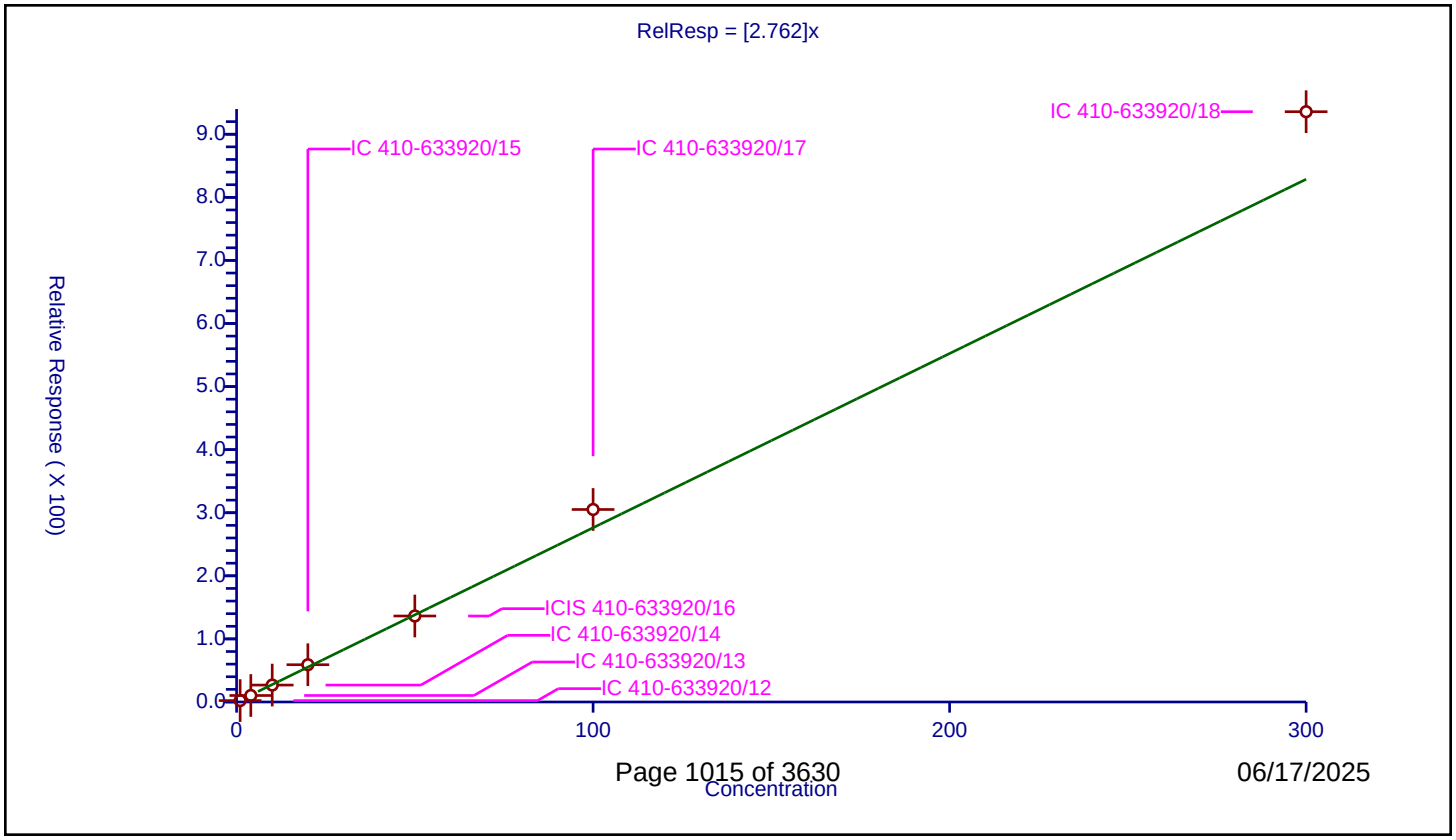
Curve Coefficients

Intercept:	0
Slope:	2.762

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	2.227741	50.0	510405.0	2.227741	Y
2	IC 410-633920/13	4.0	10.291358	50.0	498734.0	2.572839	Y
3	IC 410-633920/14	10.0	26.836508	50.0	491381.0	2.683651	Y
4	IC 410-633920/15	20.0	59.079567	50.0	502970.0	2.953978	Y
5	ICIS 410-633920/16	50.0	136.32265	50.0	514248.0	2.726453	Y
6	IC 410-633920/17	100.0	305.154319	50.0	518439.0	3.051543	Y
7	IC 410-633920/18	300.0	935.739114	50.0	454544.0	3.11913	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

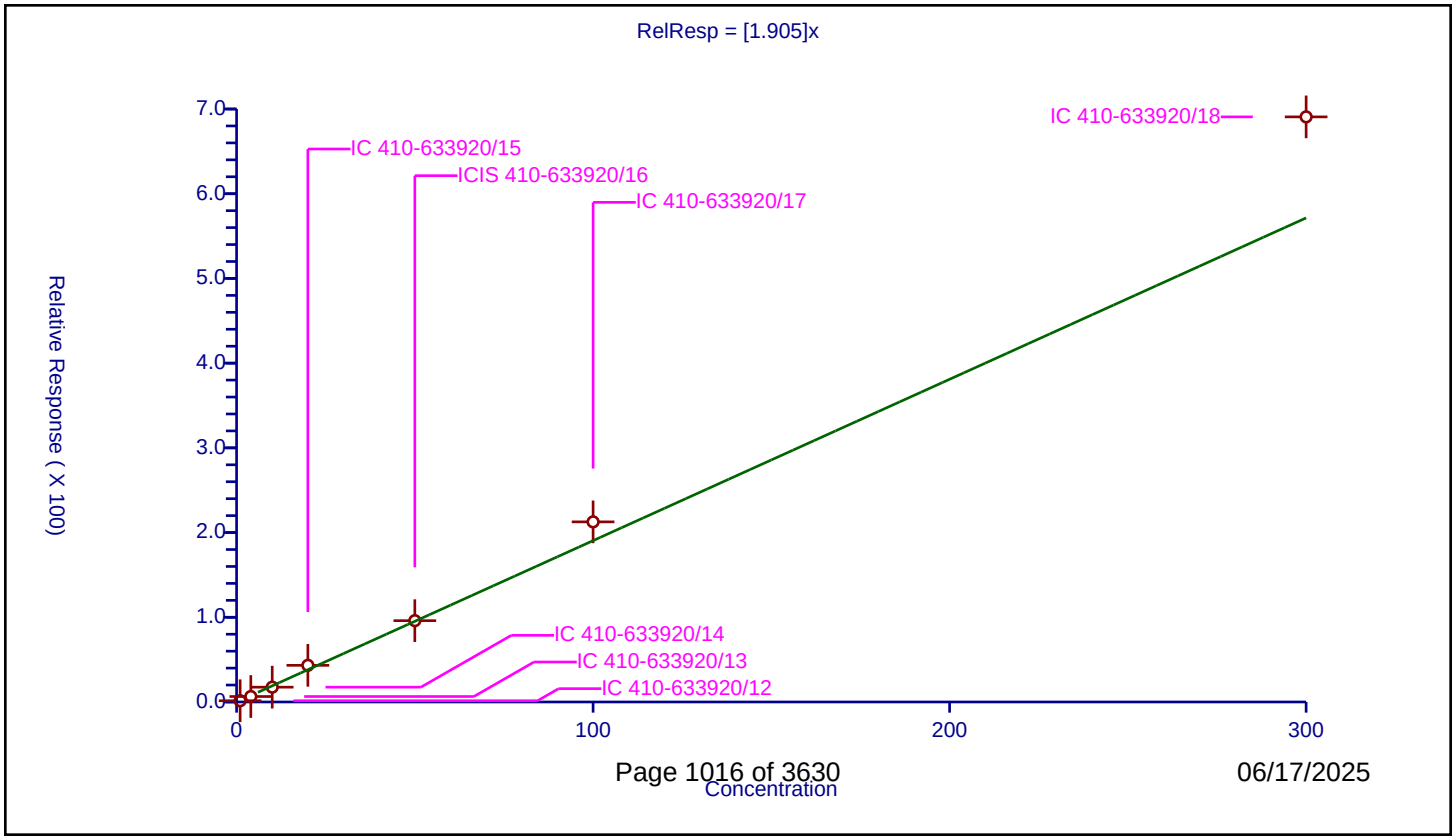
Curve Coefficients

Intercept:	0
Slope:	1.905

Error Coefficients

Relative Standard Deviation:	16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	1.453062	50.0	510405.0	1.453062	Y
2	IC 410-633920/13	4.0	6.481311	50.0	498734.0	1.620328	Y
3	IC 410-633920/14	10.0	17.478698	50.0	491381.0	1.74787	Y
4	IC 410-633920/15	20.0	43.272561	50.0	502970.0	2.163628	Y
5	ICIS 410-633920/16	50.0	96.001248	50.0	514248.0	1.920025	Y
6	IC 410-633920/17	100.0	212.642471	50.0	518439.0	2.126425	Y
7	IC 410-633920/18	300.0	690.71278	50.0	454544.0	2.302376	Y



Calibration / 1,3-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

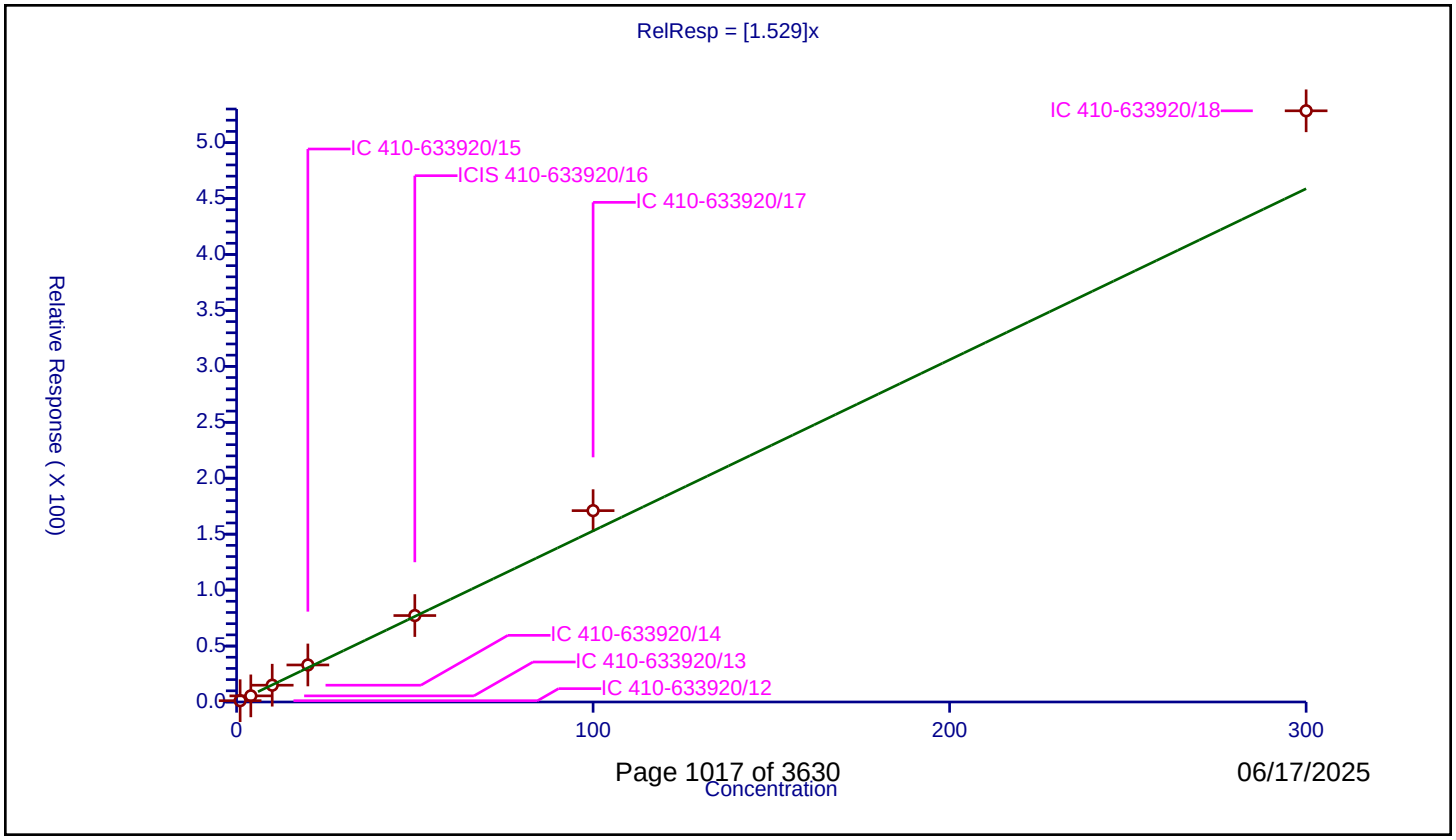
Curve Coefficients

Intercept:	0
Slope:	1.529

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	1.16388	50.0	510405.0	1.16388	Y
2	IC 410-633920/13	4.0	5.471754	50.0	498734.0	1.367939	Y
3	IC 410-633920/14	10.0	15.010857	50.0	491381.0	1.501086	Y
4	IC 410-633920/15	20.0	33.098097	50.0	502970.0	1.654905	Y
5	ICIS 410-633920/16	50.0	77.252123	50.0	514248.0	1.545042	Y
6	IC 410-633920/17	100.0	171.025232	50.0	518439.0	1.710252	Y
7	IC 410-633920/18	300.0	528.399011	50.0	454544.0	1.76133	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

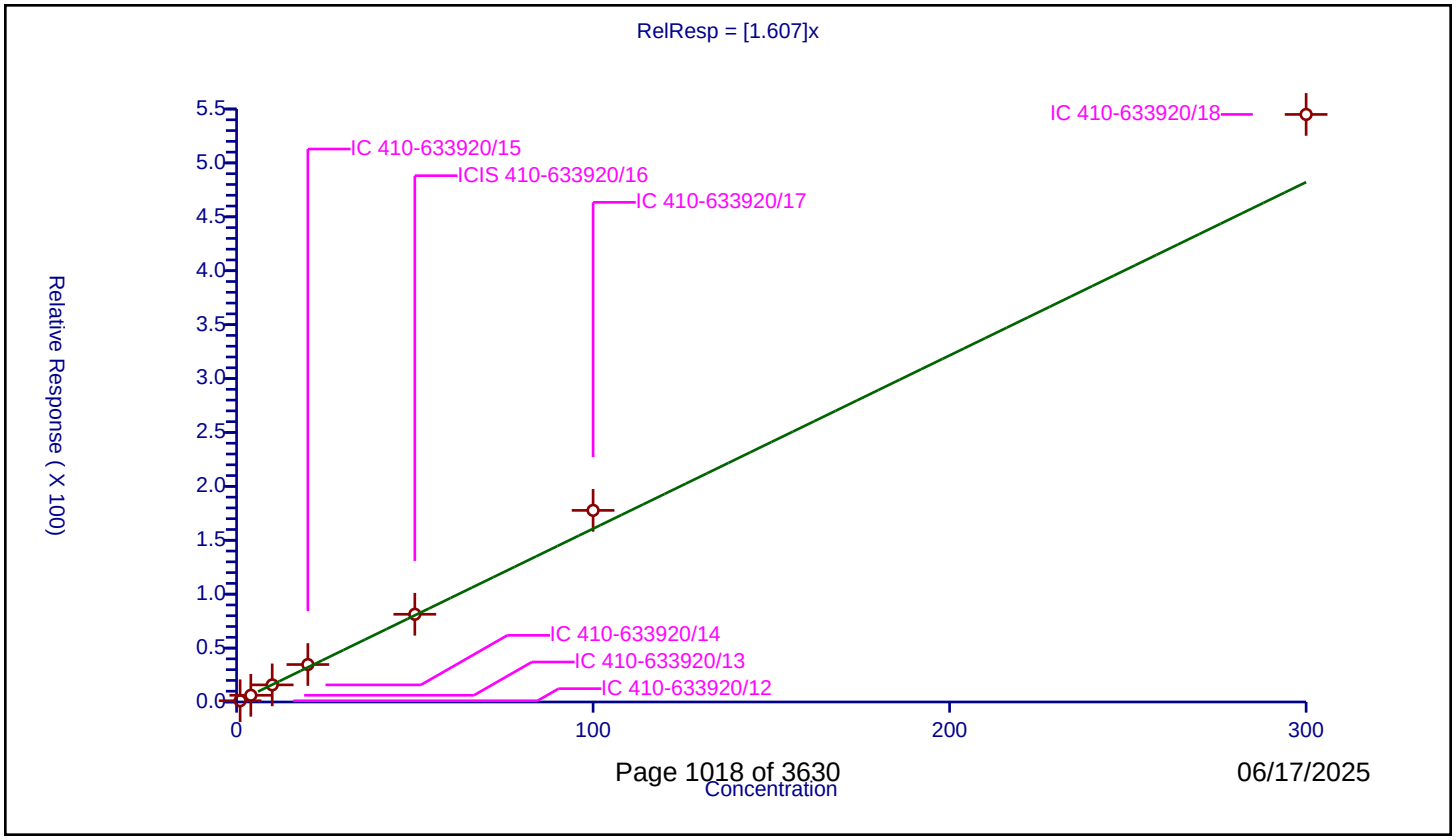
Curve Coefficients

Intercept:	0
Slope:	1.607

Error Coefficients

Relative Standard Deviation:	14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	1.149479	50.0	510405.0	1.149479	Y
2	IC 410-633920/13	4.0	6.223859	50.0	498734.0	1.555965	Y
3	IC 410-633920/14	10.0	15.86671	50.0	491381.0	1.586671	Y
4	IC 410-633920/15	20.0	34.748395	50.0	502970.0	1.73742	Y
5	ICIS 410-633920/16	50.0	81.355883	50.0	514248.0	1.627118	Y
6	IC 410-633920/17	100.0	177.727563	50.0	518439.0	1.777276	Y
7	IC 410-633920/18	300.0	544.989704	50.0	454544.0	1.816632	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

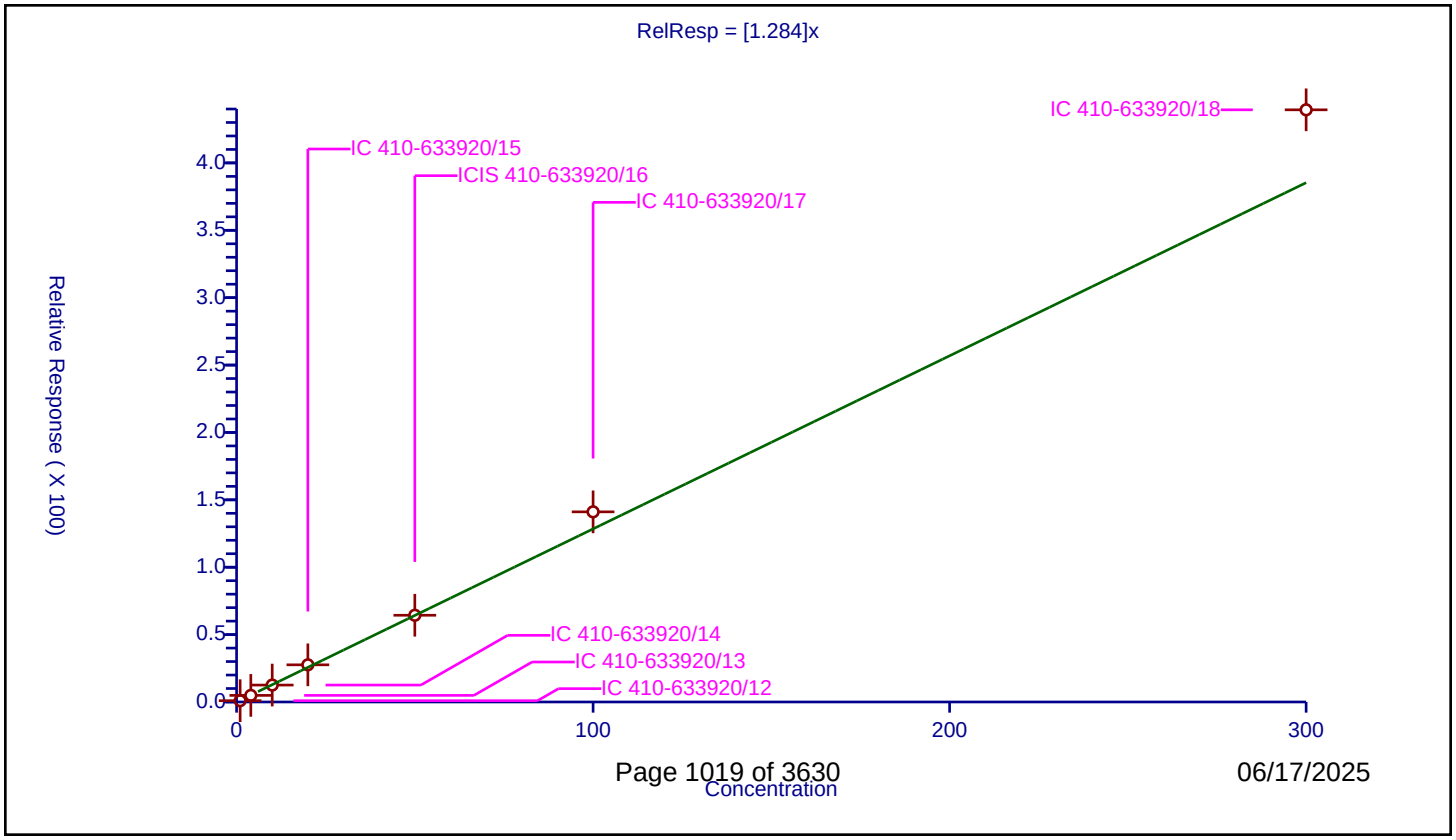
Curve Coefficients

Intercept:	0
Slope:	1.284

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.967565	50.0	510405.0	0.967565	Y
2	IC 410-633920/13	4.0	4.904017	50.0	498734.0	1.226004	Y
3	IC 410-633920/14	10.0	12.556652	50.0	491381.0	1.255665	Y
4	IC 410-633920/15	20.0	27.573215	50.0	502970.0	1.378661	Y
5	ICIS 410-633920/16	50.0	64.367873	50.0	514248.0	1.287357	Y
6	IC 410-633920/17	100.0	141.08844	50.0	518439.0	1.410884	Y
7	IC 410-633920/18	300.0	439.403226	50.0	454544.0	1.464677	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

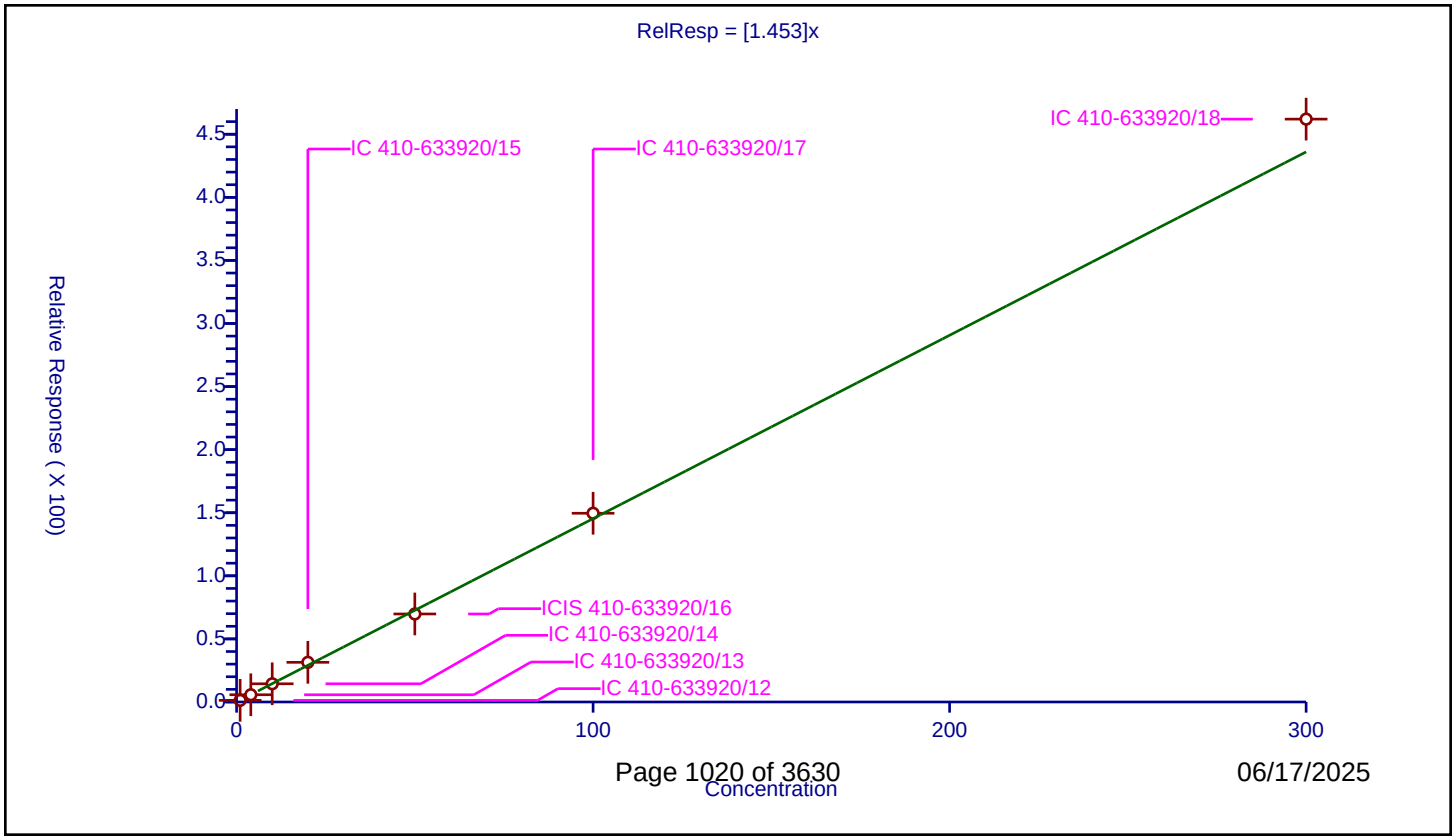
Curve Coefficients

Intercept:	0
Slope:	1.453

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	1.294658	50.0	510405.0	1.294658	Y
2	IC 410-633920/13	4.0	5.732515	50.0	498734.0	1.433129	Y
3	IC 410-633920/14	10.0	14.428112	50.0	491381.0	1.442811	Y
4	IC 410-633920/15	20.0	31.432292	50.0	502970.0	1.571615	Y
5	ICIS 410-633920/16	50.0	69.763227	50.0	514248.0	1.395265	Y
6	IC 410-633920/17	100.0	149.598892	50.0	518439.0	1.495989	Y
7	IC 410-633920/18	300.0	461.979368	50.0	454544.0	1.539931	Y



Calibration / o-diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

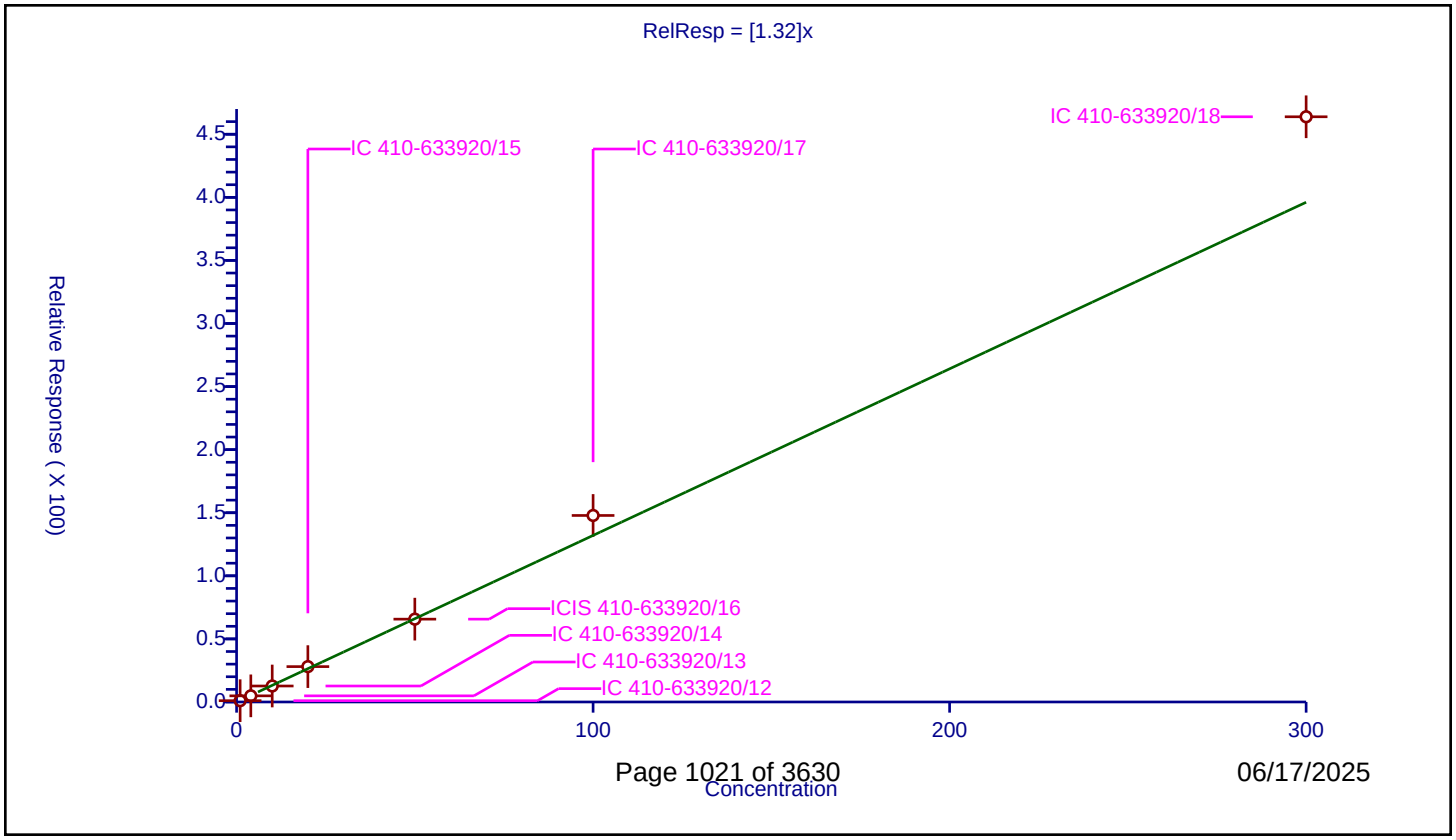
Curve Coefficients

Intercept:	0
Slope:	1.32

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	1.017623	50.0	510405.0	1.017623	Y
2	IC 410-633920/13	4.0	4.874342	50.0	498734.0	1.218585	Y
3	IC 410-633920/14	10.0	12.662985	50.0	491381.0	1.266298	Y
4	IC 410-633920/15	20.0	28.040738	50.0	502970.0	1.402037	Y
5	ICIS 410-633920/16	50.0	65.655092	50.0	514248.0	1.313102	Y
6	IC 410-633920/17	100.0	147.838318	50.0	518439.0	1.478383	Y
7	IC 410-633920/18	300.0	463.852124	50.0	454544.0	1.546174	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

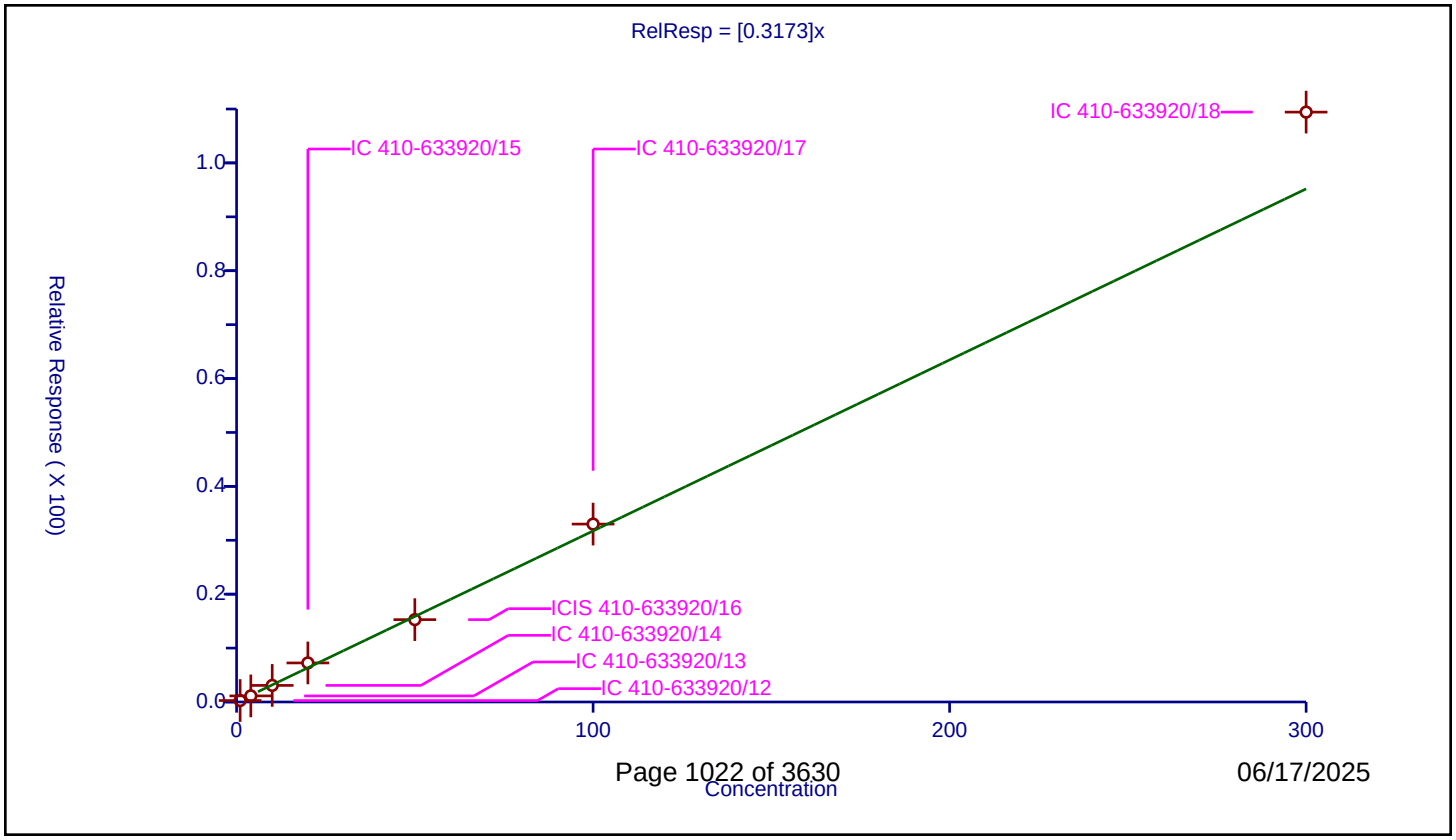
Curve Coefficients

Intercept:	0
Slope:	0.3173

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.268218	50.0	510405.0	0.268218	Y
2	IC 410-633920/13	4.0	1.131465	50.0	498734.0	0.282866	Y
3	IC 410-633920/14	10.0	3.073684	50.0	491381.0	0.307368	Y
4	IC 410-633920/15	20.0	7.242579	50.0	502970.0	0.362129	Y
5	ICIS 410-633920/16	50.0	15.278912	50.0	514248.0	0.305578	Y
6	IC 410-633920/17	100.0	33.004172	50.0	518439.0	0.330042	Y
7	IC 410-633920/18	300.0	109.42604	50.0	454544.0	0.364753	Y



Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

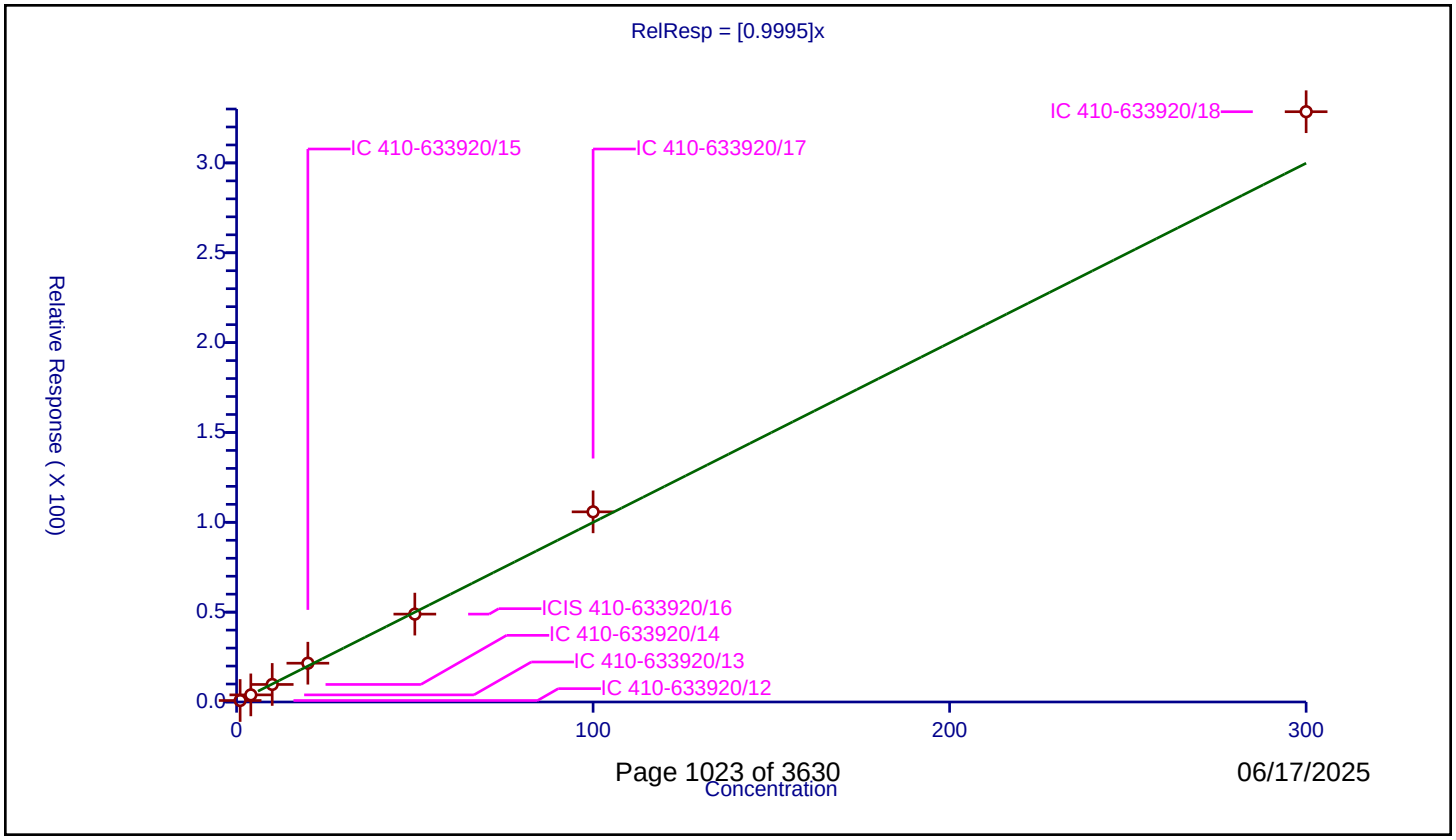
Curve Coefficients

Intercept:	0
Slope:	0.9995

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.82268	50.0	510405.0	0.82268	Y
2	IC 410-633920/13	4.0	3.948397	50.0	498734.0	0.987099	Y
3	IC 410-633920/14	10.0	9.762384	50.0	491381.0	0.976238	Y
4	IC 410-633920/15	20.0	21.579319	50.0	502970.0	1.078966	Y
5	ICIS 410-633920/16	50.0	48.905197	50.0	514248.0	0.978104	Y
6	IC 410-633920/17	100.0	105.818139	50.0	518439.0	1.058181	Y
7	IC 410-633920/18	300.0	328.505161	50.0	454544.0	1.095017	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

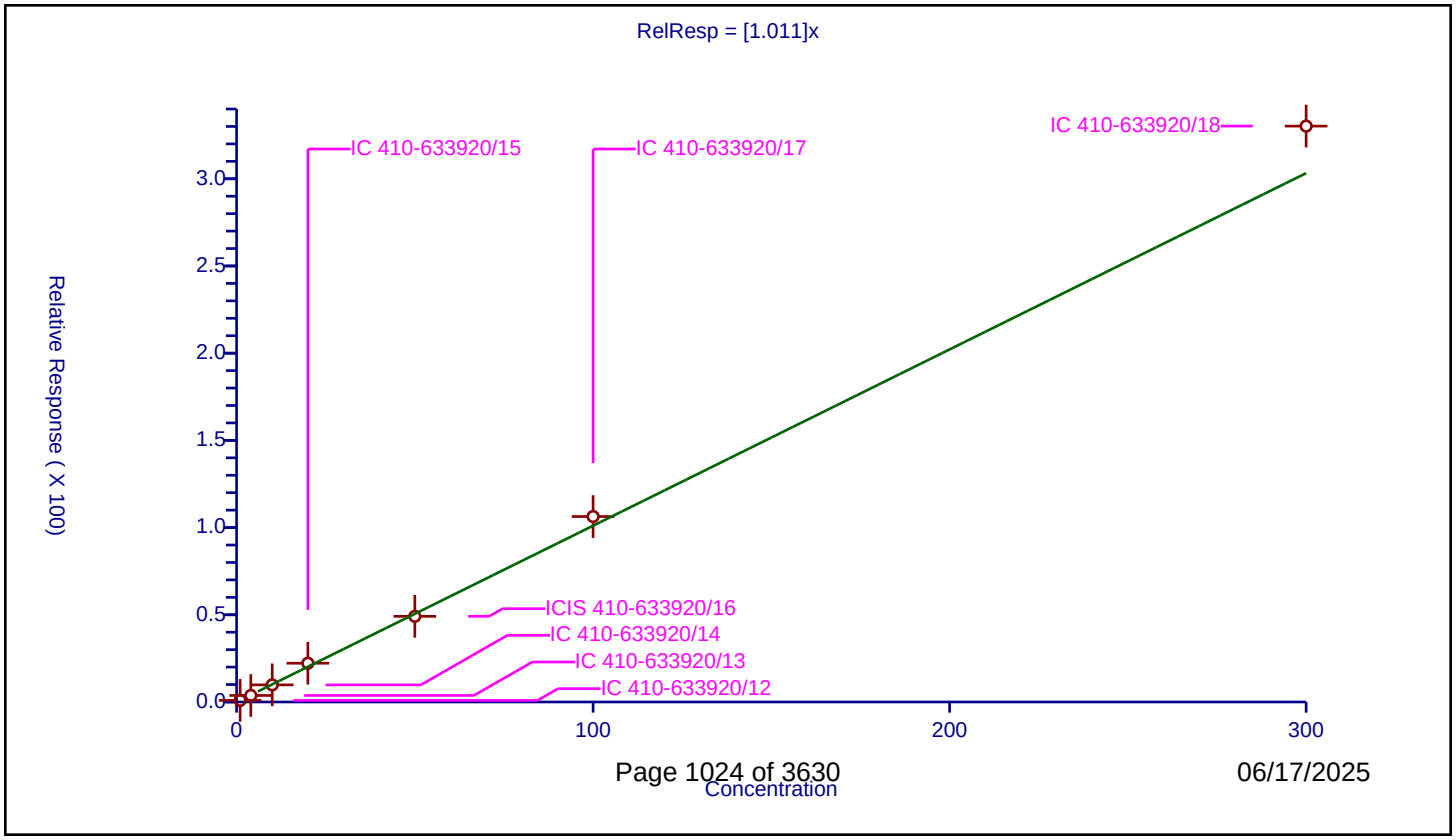
Curve Coefficients

Intercept:	0
Slope:	1.011

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.902812	50.0	510405.0	0.902812	Y
2	IC 410-633920/13	4.0	3.733854	50.0	498734.0	0.933464	Y
3	IC 410-633920/14	10.0	9.807359	50.0	491381.0	0.980736	Y
4	IC 410-633920/15	20.0	22.230749	50.0	502970.0	1.111537	Y
5	ICIS 410-633920/16	50.0	49.123575	50.0	514248.0	0.982471	Y
6	IC 410-633920/17	100.0	106.33739	50.0	518439.0	1.063374	Y
7	IC 410-633920/18	300.0	330.205877	50.0	454544.0	1.100686	Y



Calibration / 2-Ethylhexyl acrylate

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

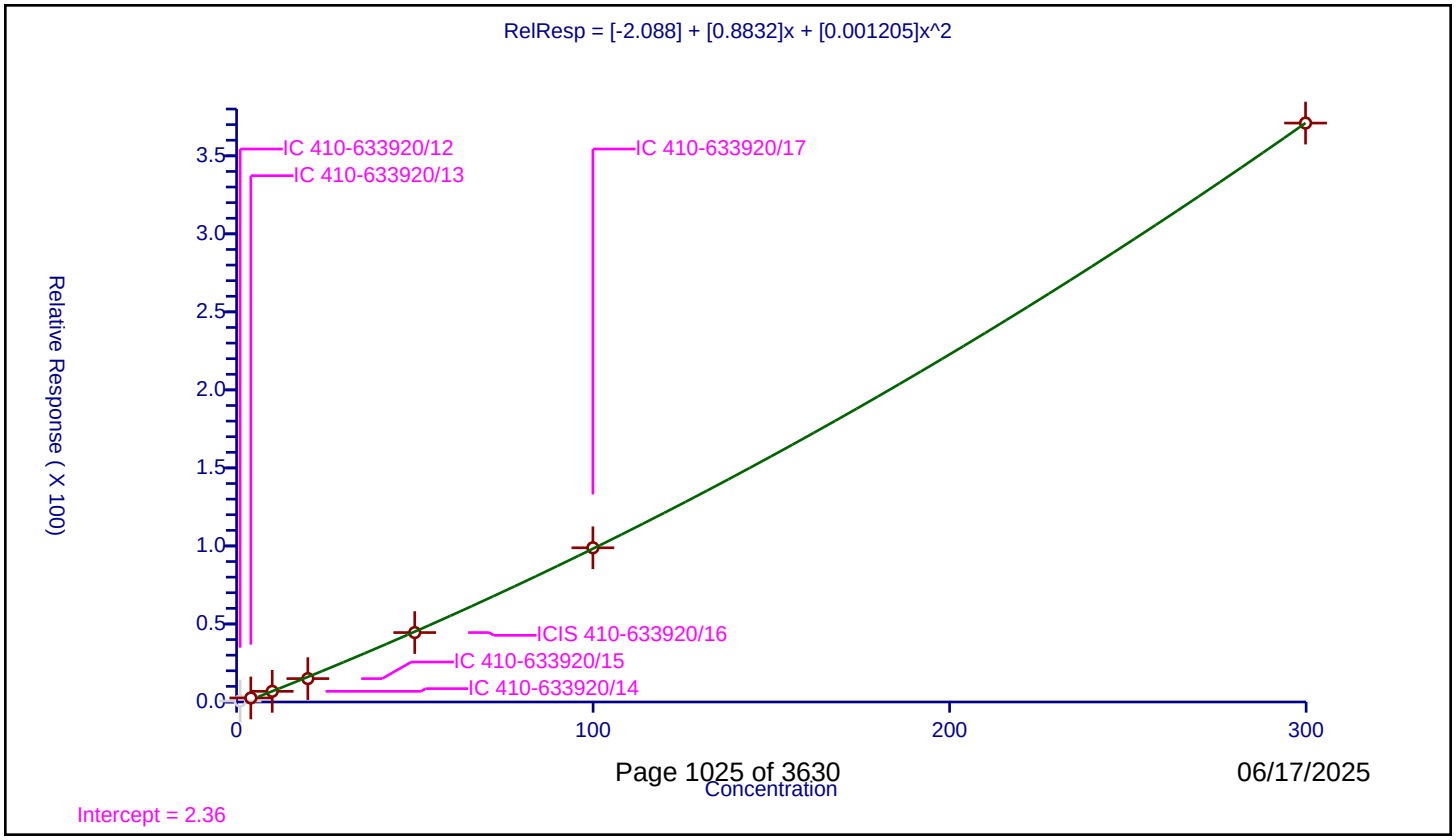
Curve Coefficients

Intercept:	-2.088
Slope:	0.8832
Second Order:	0.001205

Error Coefficients

Relative Standard Deviation:	18.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	0.999472	0.59874	50.0	510405.0	0.599057	N
2	IC 410-633920/13	3.997886	2.590559	50.0	498734.0	0.647982	Y
3	IC 410-633920/14	9.994716	6.830138	50.0	491381.0	0.683375	Y
4	IC 410-633920/15	19.989432	14.971569	50.0	502970.0	0.748974	Y
5	ICIS 410-633920/16	49.97358	44.487776	50.0	514248.0	0.890226	Y
6	IC 410-633920/17	99.94716	98.816061	50.0	518439.0	0.988683	Y
7	IC 410-633920/18	299.84148	370.986087	50.0	454544.0	1.237274	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

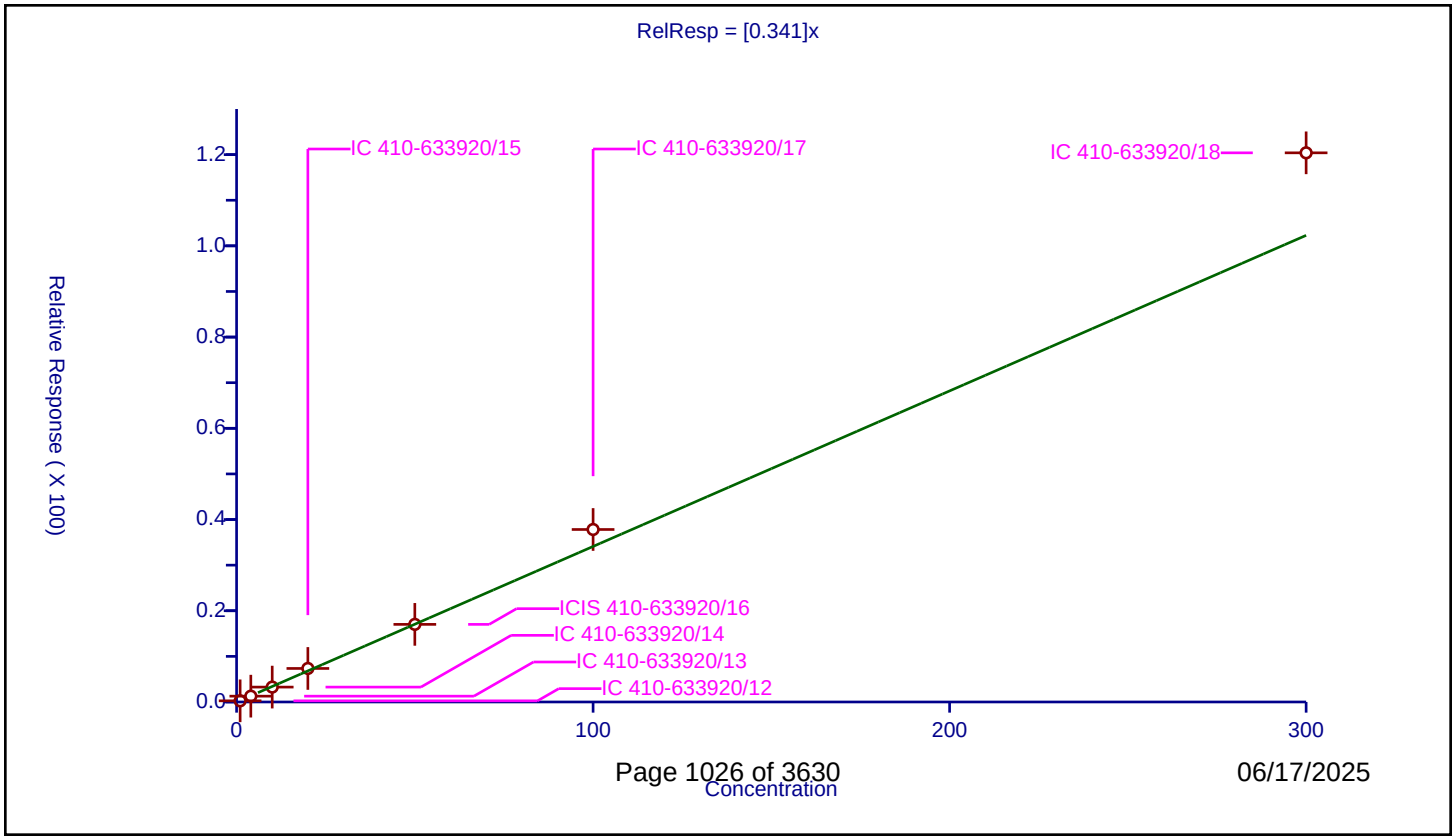
Curve Coefficients

Intercept:	0
Slope:	0.341

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.254308	50.0	510405.0	0.254308	Y
2	IC 410-633920/13	4.0	1.274928	50.0	498734.0	0.318732	Y
3	IC 410-633920/14	10.0	3.26488	50.0	491381.0	0.326488	Y
4	IC 410-633920/15	20.0	7.352725	50.0	502970.0	0.367636	Y
5	ICIS 410-633920/16	50.0	17.018054	50.0	514248.0	0.340361	Y
6	IC 410-633920/17	100.0	37.816021	50.0	518439.0	0.37816	Y
7	IC 410-633920/18	300.0	120.392195	50.0	454544.0	0.401307	Y



06/17/2025

Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

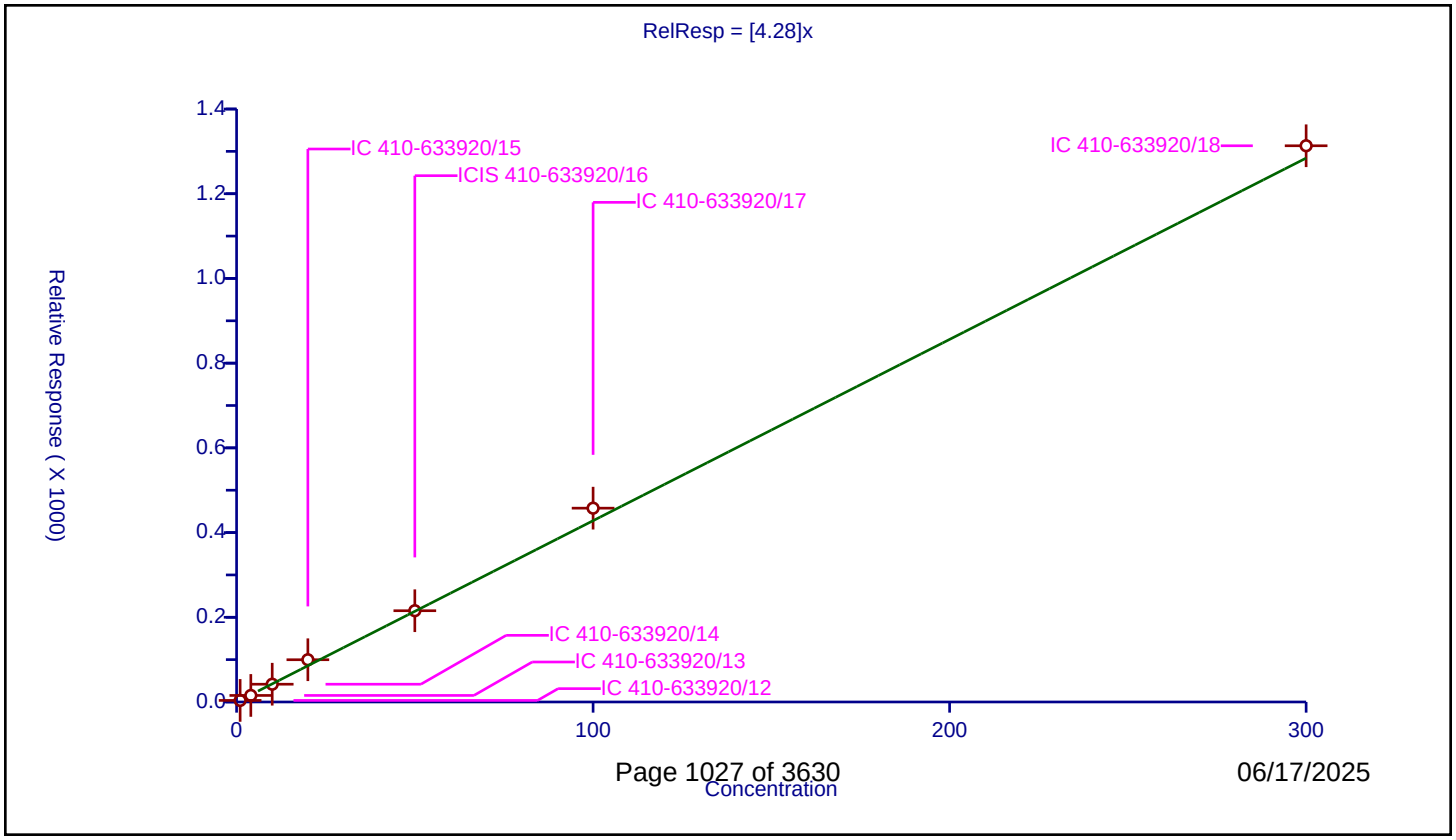
Curve Coefficients

Intercept:	0
Slope:	4.28

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	3.656508	50.0	510405.0	3.656508	Y
2	IC 410-633920/13	4.0	15.433177	50.0	498734.0	3.858294	Y
3	IC 410-633920/14	10.0	41.962042	50.0	491381.0	4.196204	Y
4	IC 410-633920/15	20.0	99.755552	50.0	502970.0	4.987778	Y
5	ICIS 410-633920/16	50.0	215.477746	50.0	514248.0	4.309555	Y
6	IC 410-633920/17	100.0	457.598869	50.0	518439.0	4.575989	Y
7	IC 410-633920/18	300.0	1313.265492	50.0	454544.0	4.377552	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

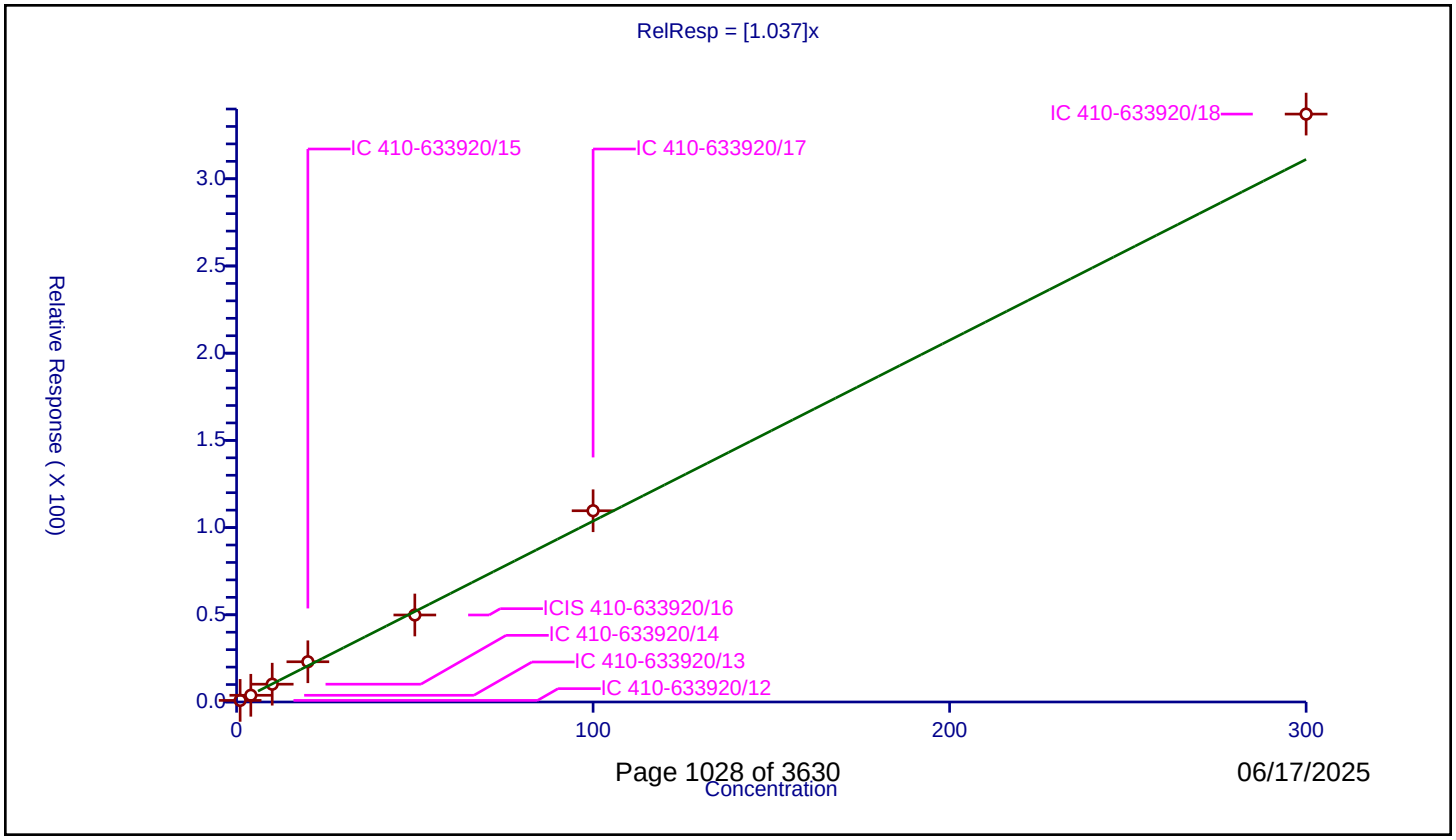
Curve Coefficients

Intercept:	0
Slope:	1.037

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	0.90438	50.0	510405.0	0.90438	Y
2	IC 410-633920/13	4.0	3.851853	50.0	498734.0	0.962963	Y
3	IC 410-633920/14	10.0	10.211018	50.0	491381.0	1.021102	Y
4	IC 410-633920/15	20.0	23.064895	50.0	502970.0	1.153245	Y
5	ICIS 410-633920/16	50.0	49.879727	50.0	514248.0	0.997595	Y
6	IC 410-633920/17	100.0	109.653113	50.0	518439.0	1.096531	Y
7	IC 410-633920/18	300.0	337.092009	50.0	454544.0	1.12364	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

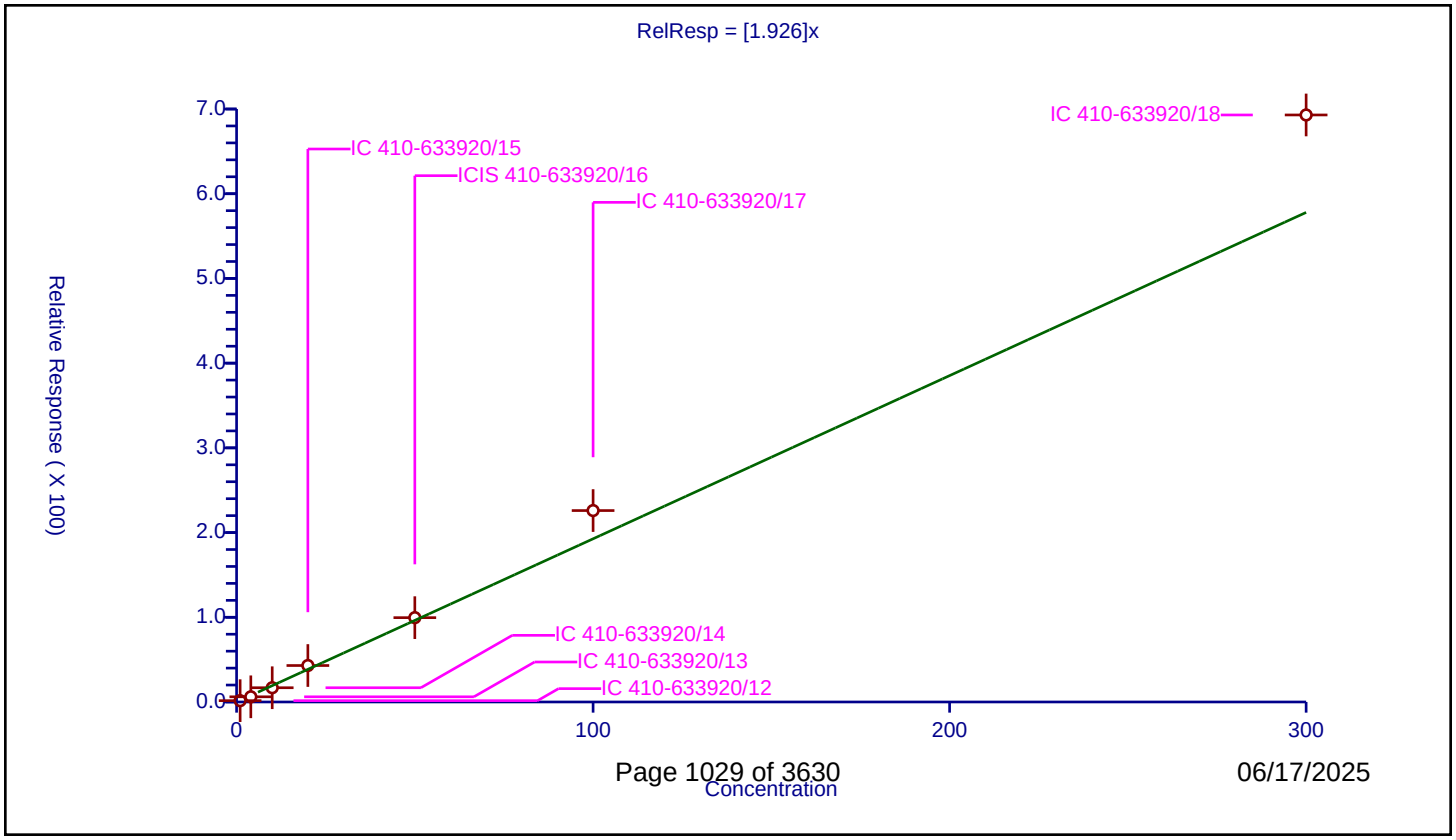
Curve Coefficients

Intercept:	0
Slope:	1.926

Error Coefficients

Relative Standard Deviation:	17.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-633920/12	1.0	1.560036	50.0	510405.0	1.560036	Y
2	IC 410-633920/13	4.0	6.118592	50.0	498734.0	1.529648	Y
3	IC 410-633920/14	10.0	16.817704	50.0	491381.0	1.68177	Y
4	IC 410-633920/15	20.0	43.045311	50.0	502970.0	2.152266	Y
5	ICIS 410-633920/16	50.0	99.554301	50.0	514248.0	1.991086	Y
6	IC 410-633920/17	100.0	225.989846	50.0	518439.0	2.259898	Y
7	IC 410-633920/18	300.0	692.973398	50.0	454544.0	2.309911	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-627062/12 Calibration Date: 04/07/2025 17:58

Instrument ID: 15830 Calib Start Date: 04/07/2025 15:24

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 04/07/2025 17:19

Lab File ID: FA07X11.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4132	0.4274	0.1000	20.7	20.0	3.5	30.0
Chloromethane	Ave	0.4654	0.4810	0.1000	20.7	20.0	3.4	30.0
Vinyl chloride	Ave	0.4048	0.4037	0.1000	19.9	20.0	-0.3	30.0
1,3-Butadiene	Ave	0.4742	0.4549		19.2	20.0	-4.1	30.0
Bromomethane	Ave	0.2865	0.2723	0.1000	19.0	20.0	-4.9	30.0
Chloroethane	Ave	0.2383	0.2288	0.1000	19.2	20.0	-4.0	30.0
n-Pentane	Ave	0.4155	0.4083		19.7	20.0	-1.7	30.0
Dichlorofluoromethane	Ave	0.6876	0.6592		19.2	20.0	-4.1	30.0
Trichlorofluoromethane	Ave	0.5234	0.5034	0.1000	19.2	20.0	-3.8	30.0
Freon 123a	Ave	0.3550	0.3452		19.5	20.0	-2.7	30.0
Acrolein	Ave	0.8119	0.9513		171	146	17.2	30.0
1,1-Dichloroethene	Ave	0.2469	0.2837	0.1000	23.0	20.0	14.9	30.0
Acetone	Ave	0.4581	0.4657	0.1000	254	250	1.7	30.0
Freon 113	Ave	0.2882	0.2795	0.1000	19.4	20.0	-3.0	30.0
Methyl iodide	Ave	0.5087	0.4894		19.2	20.0	-3.8	30.0
2-Propanol	Ave	0.3943	0.3263		124	150	-17.2	30.0
Carbon disulfide	Ave	0.8555	0.8683	0.1000	20.3	20.0	1.5	30.0
Allyl chloride	Ave	0.4391	0.4175		19.0	20.0	-4.9	30.0
Methyl acetate	Ave	0.3875	0.3879	0.1000	20.0	20.0	0.1	30.0
Methylene Chloride	Ave	0.3019	0.3149	0.1000	20.9	20.0	4.3	30.0
t-Butyl alcohol	Ave	0.9891	0.9411		190	200	-4.8	30.0
Acrylonitrile	Ave	0.2135	0.2071		97.0	100	-3.0	30.0
trans-1,2-Dichloroethene	Ave	0.2811	0.2981	0.1000	21.2	20.0	6.0	30.0
Methyl tertiary butyl ether	Ave	0.9161	0.8898	0.1000	19.4	20.0	-2.9	30.0
n-Hexane	Ave	0.3236	0.3248		20.1	20.0	0.4	30.0
1,1-Dichloroethane	Ave	0.4894	0.5095	0.2000	20.8	20.0	4.1	30.0
2-Chloro-1,3-butadiene	Ave	0.4351	0.4085		18.8	20.0	-6.1	30.0
Isopropyl ether	Ave	0.8054	0.7684		19.1	20.0	-4.6	30.0
Ethyl t-butyl ether	Ave	0.8900	0.8563		19.2	20.0	-3.8	30.0
2-Butanone	Ave	0.2633	0.2704	0.1000	257	250	2.7	30.0
cis-1,2-Dichloroethene	Ave	0.3244	0.3249	0.1000	20.0	20.0	0.1	30.0
2,2-Dichloropropane	Ave	0.4605	0.4556		19.8	20.0	-1.1	30.0
Propionitrile	Ave	0.7365	0.7204		147	150	-2.2	30.0
Methacrylonitrile	Ave	0.1768	0.1770		150	150	0.1	30.0
Tetrahydrofuran	Ave	0.6598	0.6502		98.5	100	-1.5	30.0
Bromochloromethane	Ave	0.1551	0.1556		20.1	20.0	0.3	30.0
Chloroform	Ave	0.4867	0.4909	0.2000	20.2	20.0	0.9	30.0
1,1,1-Trichloroethane	Ave	0.4434	0.4493	0.1000	20.3	20.0	1.3	30.0
Cyclohexane	Ave	0.5034	0.4774	0.1000	19.0	20.0	-5.2	30.0
1,1-Dichloropropene	Ave	0.3633	0.3557		19.6	20.0	-2.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-627062/12 Calibration Date: 04/07/2025 17:58

Instrument ID: 15830 Calib Start Date: 04/07/2025 15:24

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 04/07/2025 17:19

Lab File ID: FA07X11.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.3551	0.3526	0.1000	19.9	20.0	-0.7	30.0
Isobutyl alcohol	Ave	0.2421	0.2193		453	500	-9.4	30.0
Benzene	Ave	1.042	1.035	0.5000	19.9	20.0	-0.6	30.0
1,2-Dichloroethane	Ave	0.3511	0.3457	0.1000	19.7	20.0	-1.5	30.0
t-Amyl methyl ether	Ave	0.8652	0.8187		18.9	20.0	-5.4	30.0
n-Heptane	Ave	0.2533	0.2412		19.0	20.0	-4.8	30.0
n-Butanol	Ave	0.2039	0.1937		950	1000	-5.0	30.0
Trichloroethene	Ave	0.2598	0.2545	0.2000	19.6	20.0	-2.0	30.0
Methylcyclohexane	Ave	0.4950	0.4645	0.1000	18.8	20.0	-6.2	30.0
1,2-Dichloropropane	Ave	0.2391	0.2360	0.1000	19.7	20.0	-1.3	30.0
t-Amyl ethyl ether	Ave	0.4370	0.4175		19.1	20.0	-4.4	30.0
1,4-Dioxane	Ave	0.0513	0.0509	0.0050	496	500	-0.8	30.0
Dibromomethane	Ave	0.1637	0.1593		19.5	20.0	-2.7	30.0
Methyl methacrylate	Ave	0.2171	0.2014		18.6	20.0	-7.2	30.0
Bromodichloromethane	Ave	0.2821	0.2729	0.2000	19.3	20.0	-3.3	30.0
2-Nitropropane	Lin1		0.6489		17.4	20.0	-13.0	30.0
2-Chloroethyl vinyl ether	Ave	0.1526	0.1558		20.4	20.0	2.1	30.0
cis-1,3-Dichloropropene	Ave	0.3287	0.3072	0.2000	18.7	20.0	-6.5	30.0
4-Methyl-2-pentanone	Ave	0.4561	0.4594	0.1000	252	250	0.7	30.0
Toluene	Ave	0.8614	0.8552	0.4000	19.9	20.0	-0.7	30.0
trans-1,3-Dichloropropene	Ave	0.4285	0.4205	0.1000	19.6	20.0	-1.9	30.0
Ethyl methacrylate	Ave	0.5303	0.5055		19.1	20.0	-4.7	30.0
1,1,2-Trichloroethane	Ave	0.2859	0.2940	0.1000	20.6	20.0	2.8	30.0
Tetrachloroethene	Ave	0.3610	0.3636	0.2000	20.1	20.0	0.7	30.0
1,3-Dichloropropane	Ave	0.4780	0.4693		19.6	20.0	-1.8	30.0
2-Hexanone	Ave	0.4981	0.5150	0.1000	258	250	3.4	30.0
Dibromochloromethane	Ave	0.2843	0.2662		18.7	20.0	-6.4	30.0
1,2-Dibromoethane	Ave	0.3139	0.3115	0.1000	19.8	20.0	-0.8	30.0
Chlorobenzene	Ave	0.9279	0.9177	0.5000	19.8	20.0	-1.1	30.0
1-Chlorohexane	Ave	0.4600	0.4502		19.6	20.0	-2.1	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3622	0.3670		20.3	20.0	1.3	30.0
Ethylbenzene	Ave	1.732	1.743	0.1000	20.1	20.0	0.7	30.0
m&p-Xylene	Ave	0.6767	0.6744	0.1000	39.9	40.0	-0.3	30.0
o-Xylene	Ave	0.7192	0.7308	0.3000	20.3	20.0	1.6	30.0
Styrene	Ave	1.054	1.080	0.3000	20.5	20.0	2.5	30.0
Bromoform	Ave	0.2008	0.2013	0.1000	20.1	20.0	0.3	30.0
Isopropylbenzene	Ave	1.719	1.990	0.1000	23.2	20.0	15.8	30.0
Bromobenzene	Ave	0.6589	0.6515		19.8	20.0	-1.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9704	0.9428	0.3000	19.4	20.0	-2.8	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2905	0.2977		102	100	2.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-627062/12 Calibration Date: 04/07/2025 17:58

Instrument ID: 15830 Calib Start Date: 04/07/2025 15:24

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 04/07/2025 17:19

Lab File ID: FA07X11.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.3219	0.2992		18.6	20.0	-7.0	30.0
N-Propylbenzene	Ave	3.416	3.516		20.6	20.0	2.9	30.0
2-Chlorotoluene	Ave	0.7188	0.7095		19.7	20.0	-1.3	30.0
1,3,5-Trimethylbenzene	Ave	2.568	2.562		20.0	20.0	-0.2	30.0
4-Chlorotoluene	Ave	0.6793	0.6735		19.8	20.0	-0.8	30.0
tert-Butylbenzene	Ave	0.5173	0.5000		19.3	20.0	-3.4	30.0
1,2,4-Trimethylbenzene	Ave	2.586	2.581		20.0	20.0	-0.2	30.0
sec-Butylbenzene	Ave	3.057	3.104		20.3	20.0	1.5	30.0
1,3-Dichlorobenzene	Ave	1.290	1.284	0.6000	19.9	20.0	-0.5	30.0
p-Isopropyltoluene	Ave	2.679	2.674		20.0	20.0	-0.2	30.0
1,4-Dichlorobenzene	Ave	1.298	1.289	0.5000	19.9	20.0	-0.7	30.0
1,2,3-Trimethylbenzene	Ave	2.697	2.598		19.3	20.0	-3.7	30.0
Benzyl chloride	Ave	1.911	1.729		18.1	20.0	-9.5	30.0
1,3-Diethylbenzene	Ave	1.542	1.521		19.7	20.0	-1.3	30.0
1,4-Diethylbenzene	Ave	1.618	1.598		19.8	20.0	-1.2	30.0
n-Butylbenzene	Ave	1.282	1.281		20.0	20.0	-0.0	30.0
1,2-Dichlorobenzene	Ave	1.323	1.323	0.4000	20.0	20.0	-0.0	30.0
1,2-Diethylbenzene	Ave	1.309	1.240		19.0	20.0	-5.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.3493	0.3275	0.0500	18.8	20.0	-6.2	30.0
1,3,5-Trichlorobenzene	Ave	0.9357	0.9166		19.6	20.0	-2.0	30.0
1,2,4-Trichlorobenzene	Ave	0.9374	0.9676	0.2000	20.6	20.0	3.2	30.0
Hexachlorobutadiene	Ave	0.3145	0.3865		24.6	20.0	22.9	30.0
Naphthalene	Ave	3.988	4.180		21.0	20.0	4.8	30.0
1,2,3-Trichlorobenzene	Ave	0.9352	0.997		21.3	20.0	6.6	30.0
2-Methylnaphthalene	Ave	2.069	2.807		27.1	20.0	35.6*	30.0
Dibromofluoromethane (Surr)	Ave	0.2813	0.2826		50.2	50.0	0.5	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0674	0.0679		50.3	50.0	0.7	30.0
Toluene-d8 (Surr)	Ave	1.329	1.337		50.3	50.0	0.7	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5375	0.5582		51.9	50.0	3.8	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X11.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 07-Apr-2025 17:58:16 ALS Bottle#: 61 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 410-0143206-012
Operator ID: knk41612 Instrument ID: 15830
Sublist:

Method: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 08-Apr-2025 09:23:58 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: UKEK Date: 08-Apr-2025 08:37:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	0.998	1.011	-0.013	99	215082	20.0	20.7	
2 Chloromethane	50	1.117	1.117	0.000	99	242049	20.0	20.7	M
4 Vinyl chloride	62	1.172	1.175	-0.003	98	203122	20.0	19.9	
3 Butadiene	39	1.185	1.182	0.003	94	228902	20.0	19.2	
5 Bromomethane	94	1.355	1.358	-0.003	92	137017	20.0	19.0	
6 Chloroethane	64	1.362	1.371	-0.009	98	115133	20.0	19.2	
7 Pentane	43	1.513	1.519	-0.006	97	205452	20.0	19.7	
8 Dichlorofluoromethane	67	1.538	1.542	-0.004	97	331683	20.0	19.2	
9 Trichlorofluoromethane	101	1.558	1.558	0.000	98	253299	20.0	19.2	M
10 1,2-Dichloro-1,1,2-trifluoroetha	67	1.735	1.728	0.007	55	173722	20.0	19.5	
11 Acrolein	56	1.744	1.741	0.003	98	438276	146.4	171.5	
12 1,1-Dichloroethene	96	1.805	1.809	-0.004	98	142768	20.0	23.0	
13 Acetone	58	1.837	1.844	-0.007	100	366494	250.0	254.1	
14 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.857	1.863	-0.006	89	140618	20.0	19.4	
15 Iodomethane	142	1.927	1.928	-0.001	99	246248	20.0	19.2	
16 Isopropyl alcohol	45	1.944	1.944	0.000	95	154068	150.0	124.1	M
17 Carbon disulfide	76	1.963	1.966	-0.003	99	436923	20.0	20.3	M
19 Methyl acetate	43	2.066	2.063	0.003	62	195180	20.0	20.0	M
18 3-Chloro-1-propene	41	2.063	2.066	-0.004	88	210067	20.0	19.0	
20 Methylene Chloride	84	2.181	2.175	0.006	93	158456	20.0	20.9	
* 21 t-Butyl alcohol-d10 (IS)	65	2.201	2.275	-0.074	79	786946	250.0	250.0	
22 2-Methyl-2-propanol	59	2.336	2.336	0.000	97	592498	200.0	190.3	
23 Acrylonitrile	53	2.349	2.352	-0.003	99	520962	100.0	97.0	
24 trans-1,2-Dichloroethene	96	2.374	2.374	0.000	99	150019	20.0	21.2	
25 Methyl tert-butyl ether	73	2.400	2.403	-0.003	91	447738	20.0	19.4	
26 Hexane	57	2.593	2.593	0.000	94	163438	20.0	20.1	
27 1,1-Dichloroethane	63	2.715	2.718	-0.003	96	256363	20.0	20.8	
28 Isopropyl ether	45	2.767	2.767	0.000	95	386652	20.0	19.1	
29 2-Chloro-1,3-butadiene	53	2.767	2.773	-0.006	92	205570	20.0	18.8	
30 Tert-butyl ethyl ether	59	3.056	3.053	0.003	97	430891	20.0	19.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 2-Butanone (MEK)	43	3.133	3.136	-0.003	100	1700832	250.0	256.7	
32 cis-1,2-Dichloroethene	96	3.169	3.169	0.000	82	163475	20.0	20.0	
33 2,2-Dichloropropane	77	3.178	3.191	-0.013	88	229257	20.0	19.8	
34 Propionitrile	54	3.226	3.220	0.006	98	340149	150.0	146.7	M
35 Methacrylonitrile	67	3.304	3.336	-0.032	94	667817	150.0	150.2	M
37 Tetrahydrofuran	71	3.329	3.336	-0.007	89	204670	100.0	98.5	
36 Chlorobromomethane	128	3.352	3.352	0.000	92	78308	20.0	20.1	
39 Chloroform	83	3.448	3.448	0.000	93	247005	20.0	20.2	
$ 40 Dibromofluoromethane (Surr)	113	3.570	3.571	-0.001	93	355556	50.0	50.2	
41 1,1,1-Trichloroethane	97	3.570	3.574	-0.004	90	226102	20.0	20.3	
42 Cyclohexane	56	3.625	3.625	0.000	89	240200	20.0	19.0	
43 1,1-Dichloropropene	75	3.689	3.690	-0.001	94	178974	20.0	19.6	
44 Carbon tetrachloride	117	3.693	3.696	-0.003	87	177403	20.0	19.9	
45 Isobutyl alcohol	41	3.808	3.808	0.000	94	345168	500.0	453.0	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.834	3.831	0.003	93	85395	50.0	50.3	
47 Benzene	78	3.844	3.847	-0.003	95	521054	20.0	19.9	
48 1,2-Dichloroethane	62	3.895	3.902	-0.007	97	173963	20.0	19.7	
49 Tert-amyl methyl ether	73	3.972	3.979	-0.007	98	411975	20.0	18.9	
* 50 Fluorobenzene (IS)	96	4.095	4.098	-0.003	99	1257985	50.0	50.0	
51 n-Heptane	43	4.098	4.104	-0.006	76	121394	20.0	19.0	
52 n-Butanol	56	4.355	4.355	0.000	89	609603	1000.0	950.0	
53 Trichloroethene	95	4.390	4.394	-0.004	98	128070	20.0	19.6	
54 Methylcyclohexane	83	4.577	4.583	-0.006	91	233750	20.0	18.8	
55 1,2-Dichloropropane	63	4.593	4.596	-0.003	96	118765	20.0	19.7	
56 2-ethoxy-2-methyl butane	87	4.625	4.625	0.000	94	210101	20.0	19.1	
57 1,4-Dioxane	88	4.654	4.657	-0.003	68	80109	500.0	495.9	M
58 Methyl methacrylate	69	4.670	4.670	0.000	91	101359	20.0	18.6	
59 Dibromomethane	93	4.670	4.673	-0.003	90	80178	20.0	19.5	
60 Dichlorobromomethane	83	4.828	4.831	-0.003	99	137323	20.0	19.3	
61 2-Nitropropane	41	5.008	5.011	-0.003	98	40855	20.0	17.4	
62 2-Chloroethyl vinyl ether	63	5.082	5.082	0.000	93	78400	20.0	20.4	
63 cis-1,3-Dichloropropene	75	5.194	5.197	-0.003	95	154596	20.0	18.7	
64 4-Methyl-2-pentanone (MIBK)	43	5.339	5.339	0.000	96	2889444	250.0	251.8	
$ 65 Toluene-d8 (Surr)	98	5.416	5.416	0.000	93	1114361	50.0	50.3	
66 Toluene	92	5.471	5.474	-0.003	98	285065	20.0	19.9	
67 trans-1,3-Dichloropropene	75	5.680	5.680	0.000	94	140158	20.0	19.6	
68 Ethyl methacrylate	69	5.744	5.741	0.003	88	168481	20.0	19.1	
69 1,1,2-Trichloroethane	97	5.821	5.824	-0.003	91	97985	20.0	20.6	
70 Tetrachloroethene	166	5.873	5.873	0.000	96	121199	20.0	20.1	
71 1,3-Dichloropropane	76	5.937	5.937	0.000	92	156437	20.0	19.6	
72 2-Hexanone	43	5.995	5.995	0.000	96	2145850	250.0	258.5	
73 Chlorodibromomethane	129	6.088	6.091	-0.003	91	88725	20.0	18.7	
75 Ethylene Dibromide	107	6.159	6.159	0.000	98	103829	20.0	19.8	
* 76 Chlorobenzene-d5 (IS)	117	6.480	6.480	0.000	85	833319	50.0	50.0	
77 Chlorobenzene	112	6.500	6.500	0.000	95	305897	20.0	19.8	
78 1-Chlorohexane	91	6.506	6.506	0.000	96	150054	20.0	19.6	
79 1,1,1,2-Tetrachloroethane	131	6.567	6.567	0.000	94	122318	20.0	20.3	
80 Ethylbenzene	91	6.570	6.570	0.000	98	580997	20.0	20.1	
81 m-Xylene & p-Xylene	106	6.657	6.657	0.000	100	449573	40.0	39.9	
82 o-Xylene	106	6.895	6.895	0.000	96	243589	20.0	20.3	
83 Styrene	104	6.908	6.908	0.000	95	360011	20.0	20.5	
84 Bromoform	173	7.008	7.008	0.000	95	67101	20.0	20.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Isopropylbenzene	105	7.120	7.120	0.000	96	663430	20.0	23.2	
$ 86 4-Bromofluorobenzene (Surr)	95	7.217	7.217	0.000	87	465145	50.0	51.9	
87 Bromobenzene	156	7.291	7.291	0.000	94	136073	20.0	19.8	
88 1,1,2,2-Tetrachloroethane	83	7.307	7.307	0.000	94	196897	20.0	19.4	
89 trans-1,4-Dichloro-2-butene	53	7.326	7.326	0.000	91	310855	100.0	102.5	
90 1,2,3-Trichloropropane	110	7.329	7.332	-0.003	84	62487	20.0	18.6	
91 N-Propylbenzene	91	7.361	7.361	0.000	99	734256	20.0	20.6	
92 2-Chlorotoluene	126	7.406	7.406	0.000	97	148176	20.0	19.7	
93 1,3,5-Trimethylbenzene	105	7.464	7.464	0.000	95	535142	20.0	20.0	
94 4-Chlorotoluene	126	7.474	7.474	0.000	99	140656	20.0	19.8	
95 tert-Butylbenzene	134	7.638	7.638	0.000	93	104421	20.0	19.3	
96 1,2,4-Trimethylbenzene	105	7.670	7.670	0.000	98	538996	20.0	20.0	
97 sec-Butylbenzene	105	7.760	7.760	0.000	94	648176	20.0	20.3	
98 1,3-Dichlorobenzene	146	7.818	7.818	0.000	98	268240	20.0	19.9	
99 4-Isopropyltoluene	119	7.844	7.844	0.000	97	558491	20.0	20.0	
* 100 1,4-Dichlorobenzene-d4	152	7.863	7.863	0.000	94	522117	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.876	7.876	0.000	95	269158	20.0	19.9	
102 1,2,3-Trimethylbenzene	105	7.892	7.892	0.000	98	542585	20.0	19.3	
103 Benzyl chloride	91	7.937	7.937	0.000	99	361144	20.0	18.1	
104 1,3-Diethylbenzene	119	7.995	7.995	0.000	94	317736	20.0	19.7	
105 p-Diethylbenzene	119	8.046	8.046	0.000	94	333841	20.0	19.8	
106 n-Butylbenzene	92	8.059	8.059	0.000	97	267512	20.0	20.0	
107 1,2-Dichlorobenzene	146	8.062	8.066	-0.004	97	276283	20.0	20.0	
108 o-diethylbenzene	119	8.098	8.098	0.000	95	259010	20.0	19.0	
109 1,2-Dibromo-3-Chloropropane	75	8.471	8.471	0.000	84	68406	20.0	18.8	
110 1,3,5-Trichlorobenzene	180	8.567	8.567	0.000	97	191436	20.0	19.6	
111 1,2,4-Trichlorobenzene	180	8.882	8.882	0.000	95	202080	20.0	20.6	
112 Hexachlorobutadiene	225	8.956	8.956	0.000	98	80729	20.0	24.6	
113 Naphthalene	128	9.014	9.014	0.000	97	872923	20.0	21.0	
114 1,2,3-Trichlorobenzene	180	9.123	9.123	0.000	95	208211	20.0	21.3	
115 2-Methylnaphthalene	142	9.567	9.567	0.000	92	586146	20.0	27.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00215	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00223	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00221	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00245	Amount Added: 50.00	Units: uL	
MSV_Cent_ISSS_00032	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 08-Apr-2025 09:25:24 Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X11.D

Injection Date: 07-Apr-2025 17:58:16 Instrument ID: 15830 Operator ID: knk41612

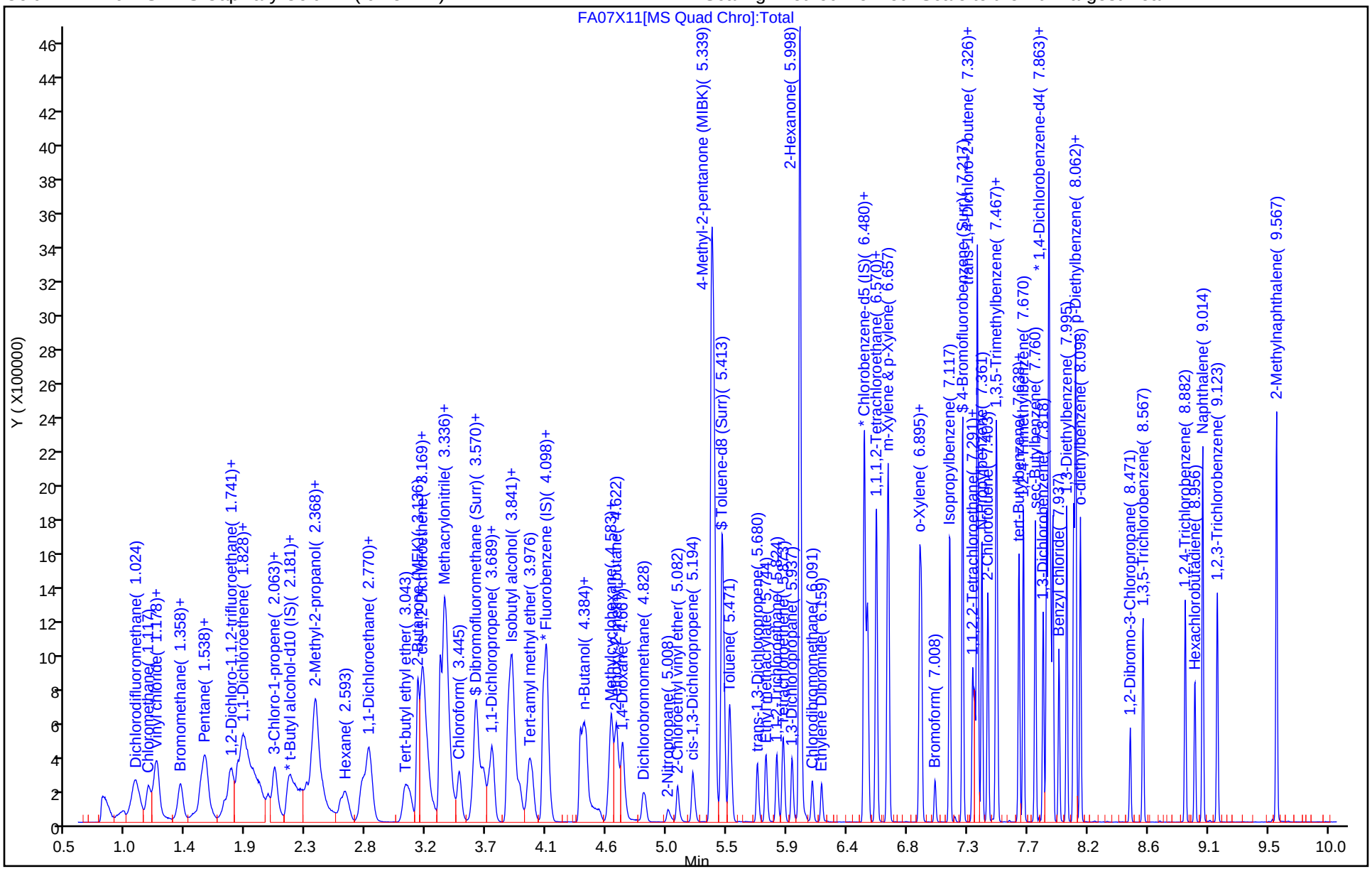
Lims ID: ICV Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 61

Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

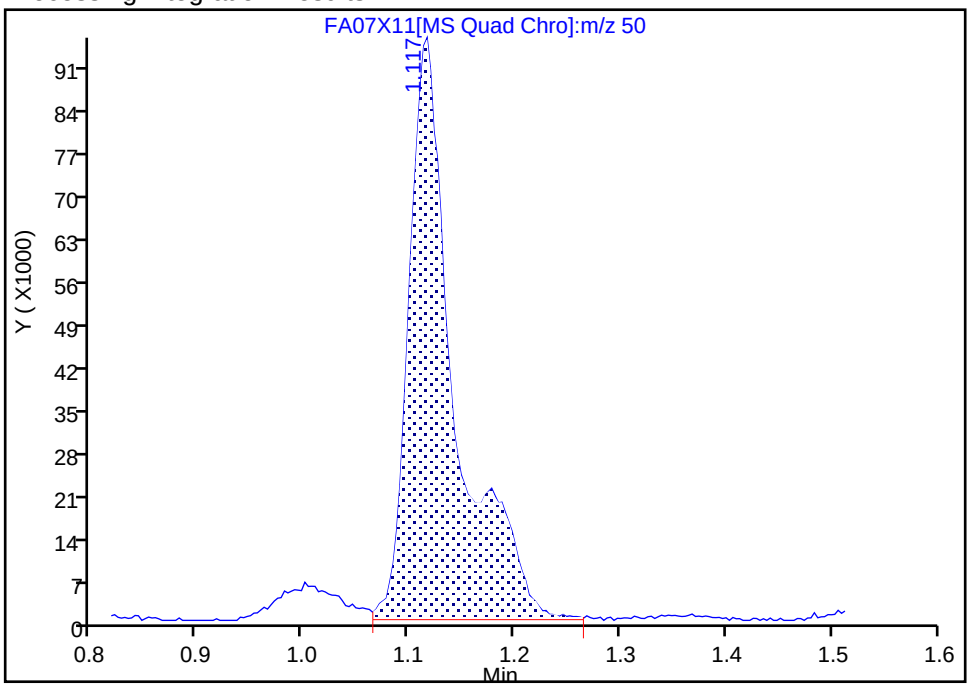
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X11.D
Injection Date: 07-Apr-2025 17:58:16 Instrument ID: 15830
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 61 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

2 Chloromethane, CAS: 74-87-3

Signal: 1

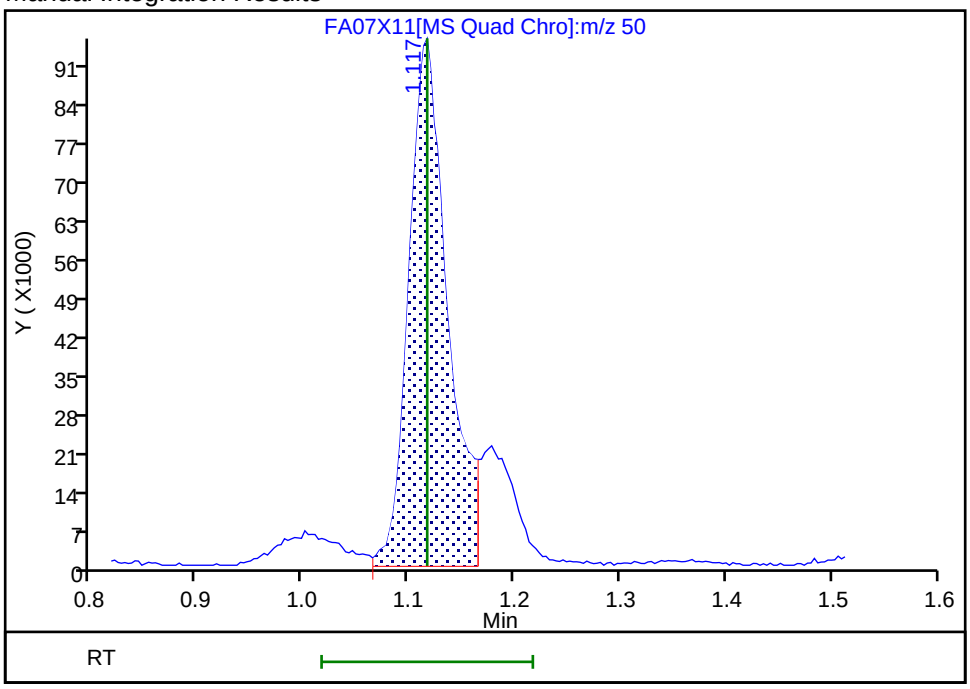
Processing Integration Results

RT: 1.12
Area: 290217
Amount: 23.551061
Amount Units: ug/l



Manual Integration Results

RT: 1.12
Area: 242049
Amount: 20.670346
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 18:24:51 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

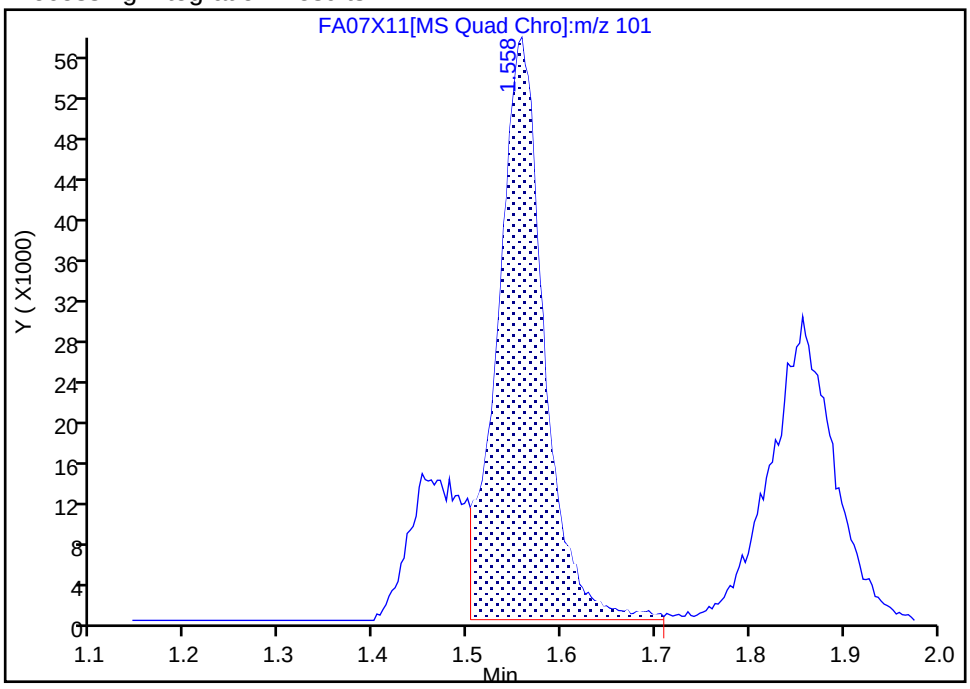
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X11.D				
Injection Date:	07-Apr-2025 17:58:16	Instrument ID:	15830		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	61	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

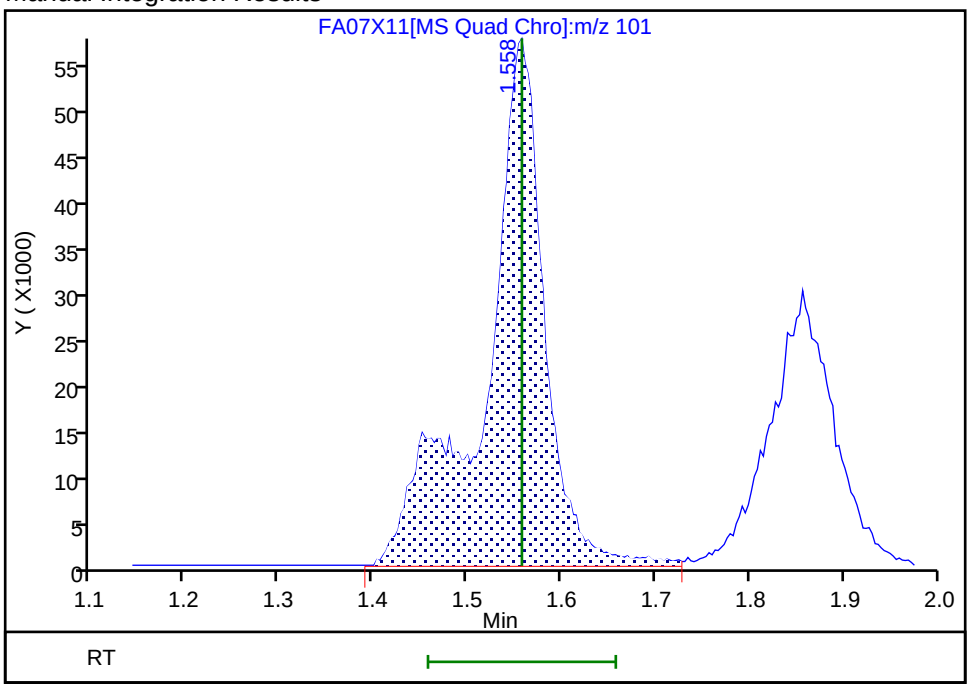
Processing Integration Results

RT: 1.56
Area: 197752
Amount: 14.359405
Amount Units: ug/l



Manual Integration Results

RT: 1.56
Area: 253299
Amount: 19.235901
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 18:25:27 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

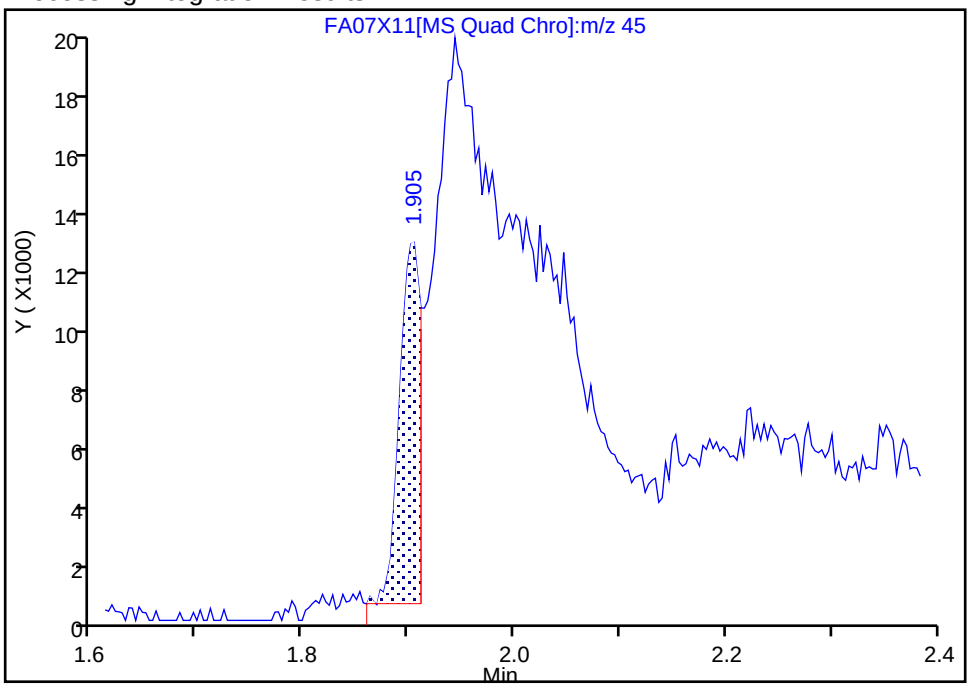
Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X11.D
Injection Date: 07-Apr-2025 17:58:16 Instrument ID: 15830
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 61 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

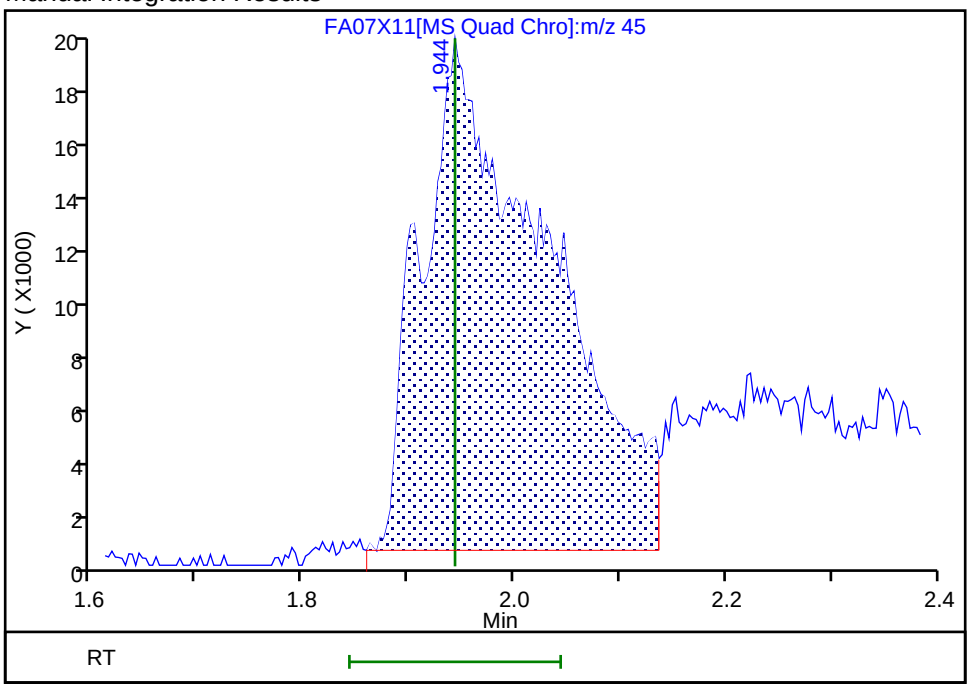
Processing Integration Results

RT: 1.90
Area: 16279
Amount: 13.490862
Amount Units: ug/l



Manual Integration Results

RT: 1.94
Area: 154068
Amount: 124.1302
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 18:25:42 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

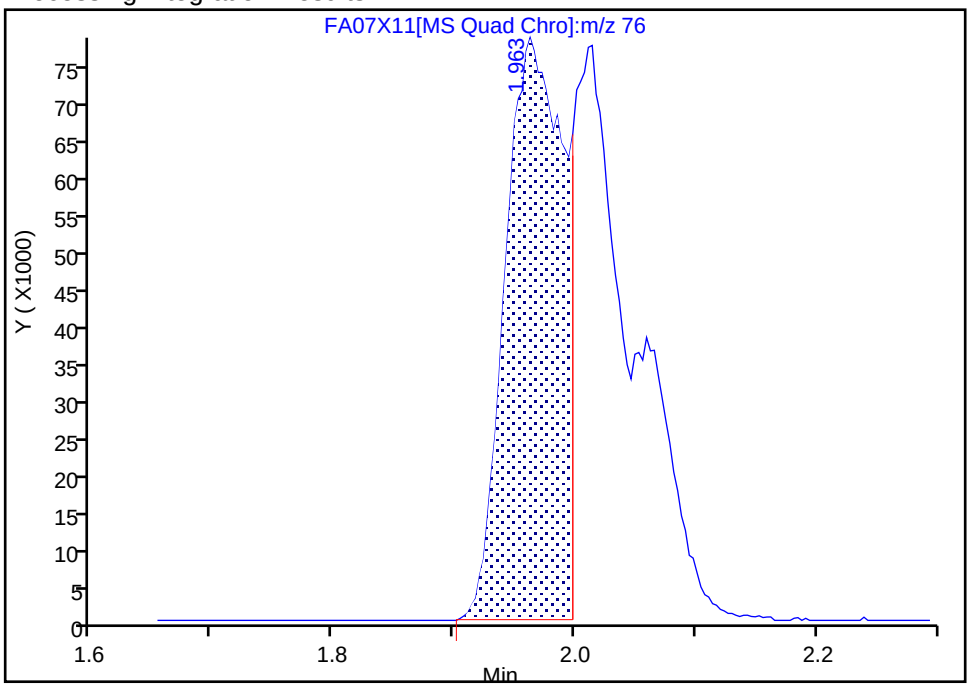
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X11.D				
Injection Date:	07-Apr-2025 17:58:16	Instrument ID:	15830		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	61	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

17 Carbon disulfide, CAS: 75-15-0

Signal: 1

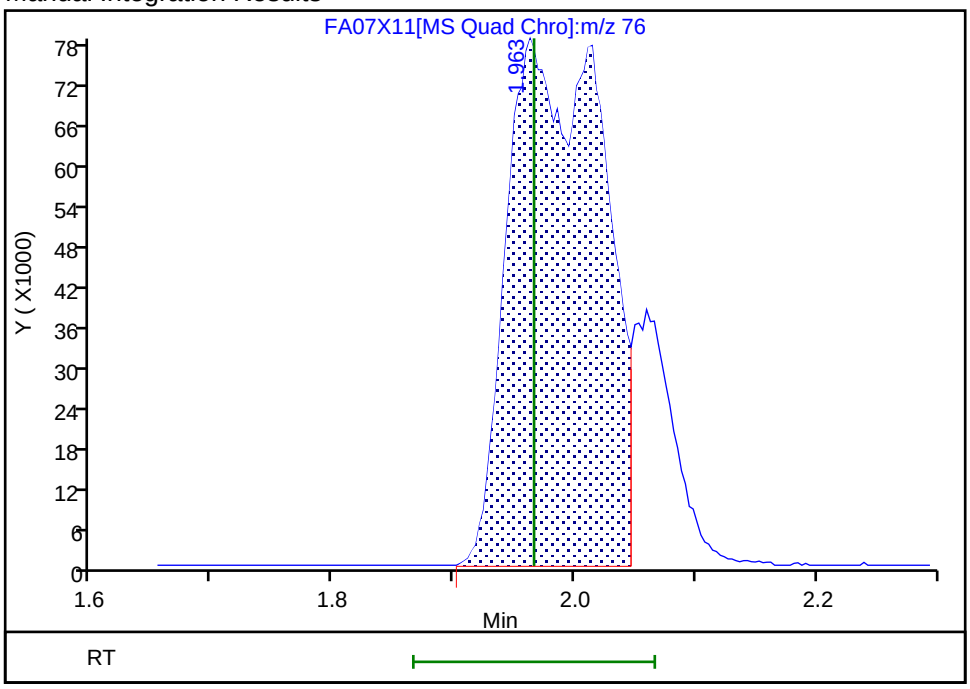
Processing Integration Results

RT: 1.96
Area: 267309
Amount: 12.687865
Amount Units: ug/l



Manual Integration Results

RT: 1.96
Area: 436923
Amount: 20.300263
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 18:26:23 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

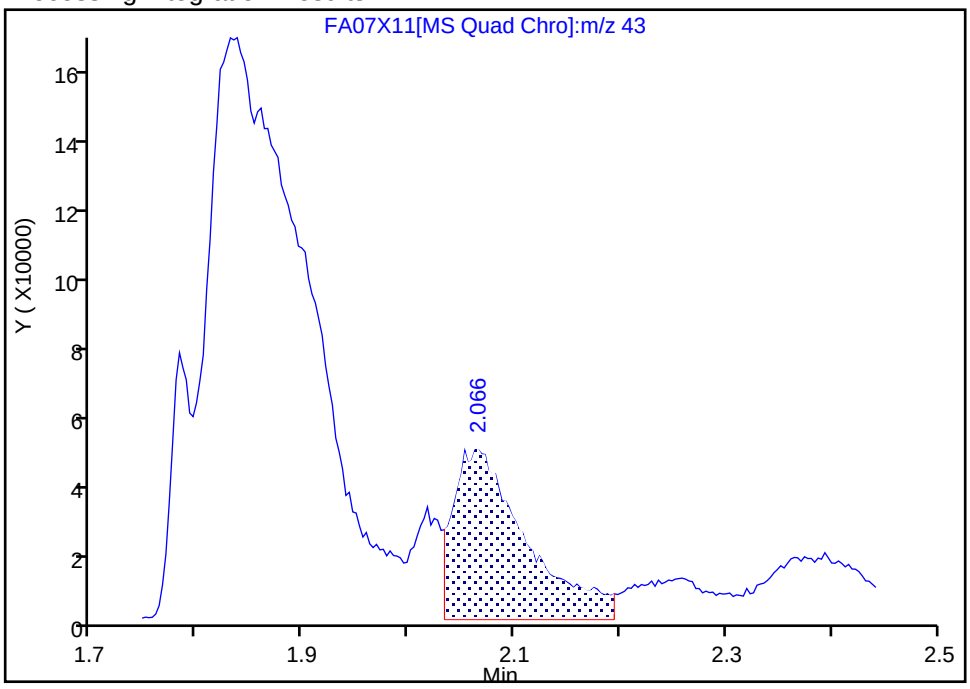
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X11.D				
Injection Date:	07-Apr-2025 17:58:16	Instrument ID:	15830		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	61	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Methyl acetate, CAS: 79-20-9

Signal: 1

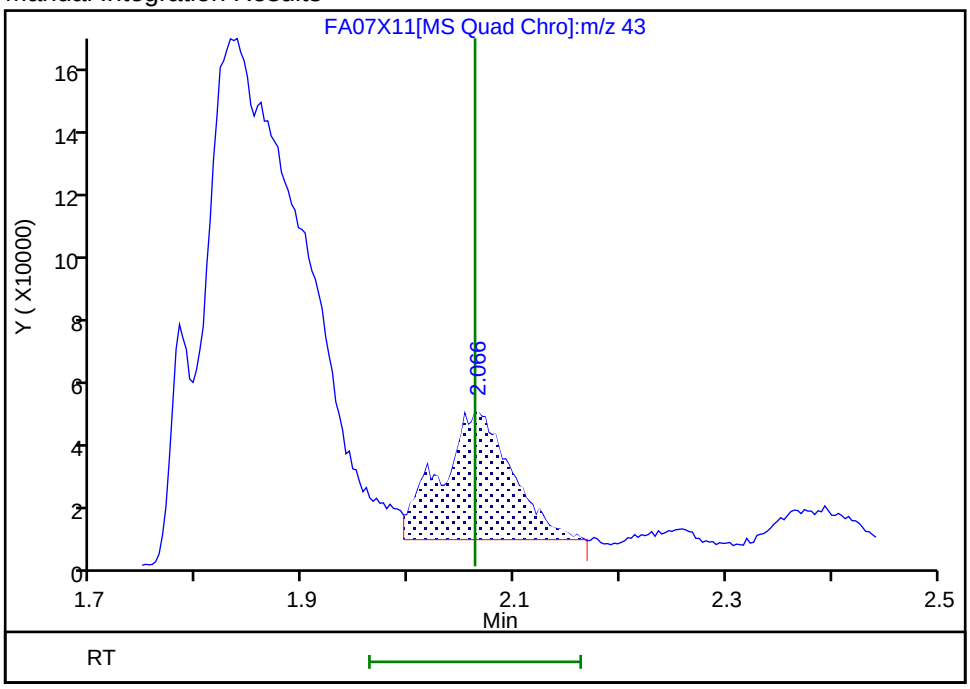
Processing Integration Results

RT: 2.07
Area: 237913
Amount: 24.779249
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 195180
Amount: 20.021893
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 18:26:39 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

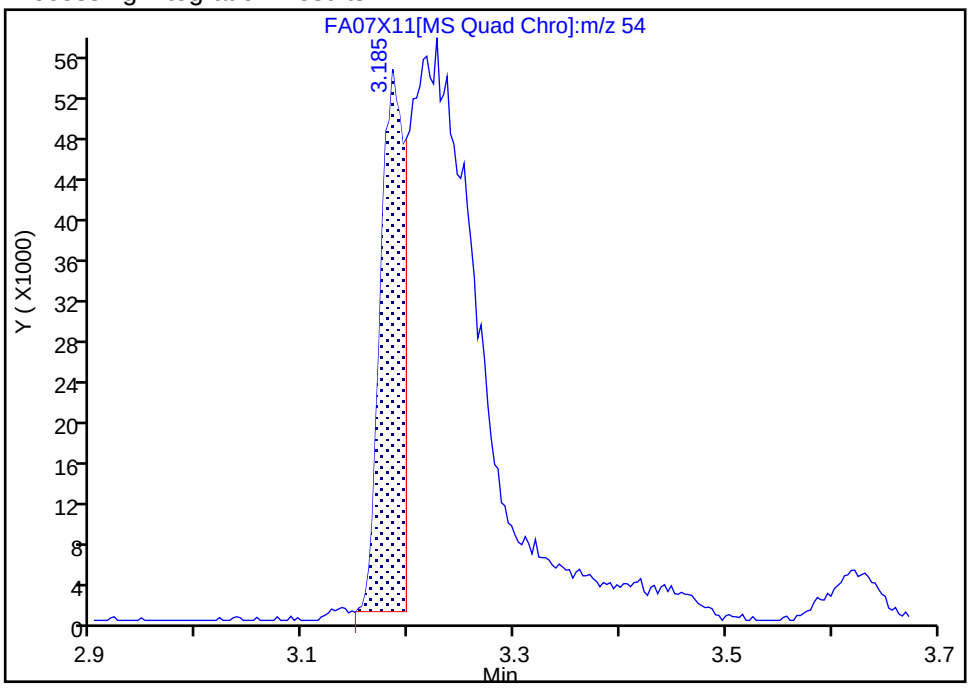
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X11.D				
Injection Date:	07-Apr-2025 17:58:16	Instrument ID:	15830		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	61	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

34 Propionitrile, CAS: 107-12-0

Signal: 1

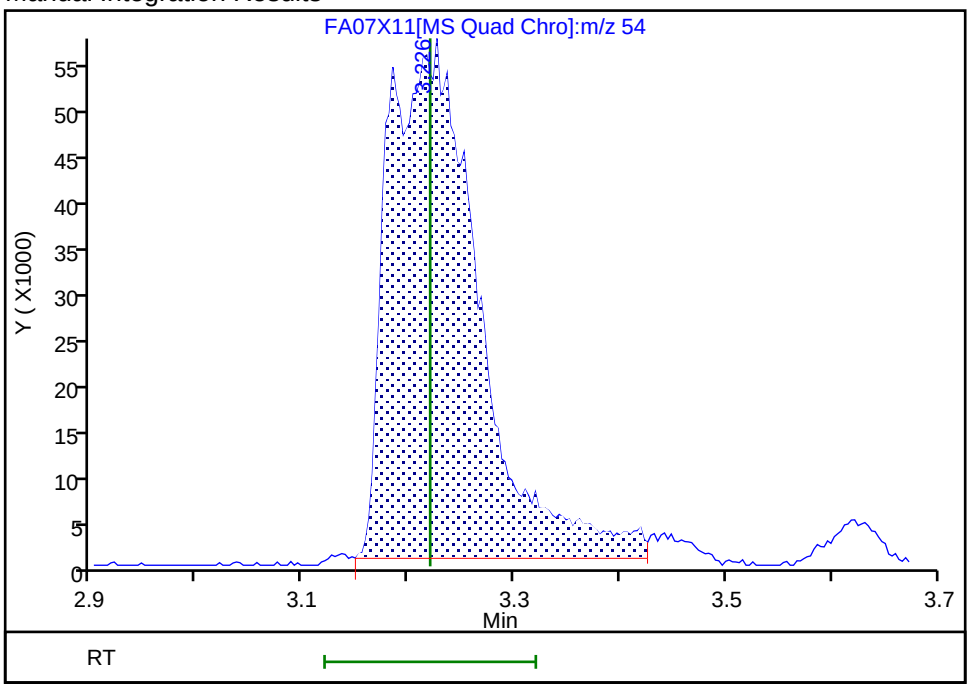
Processing Integration Results

RT: 3.18
Area: 85892
Amount: 38.089098
Amount Units: ug/l



Manual Integration Results

RT: 3.23
Area: 340149
Amount: 146.7268
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 18:27:01 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

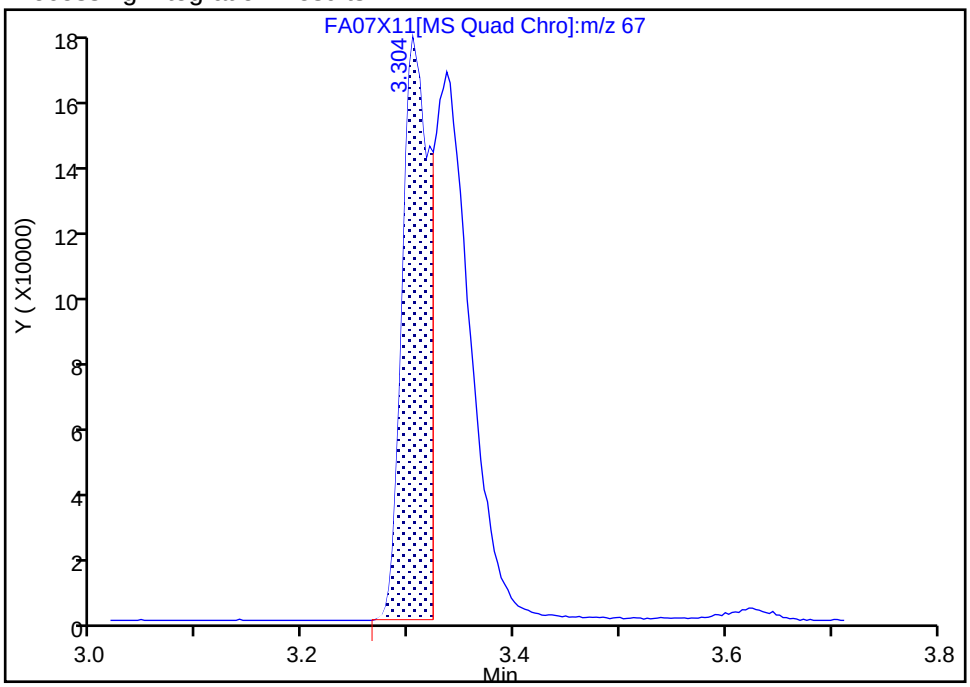
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X11.D				
Injection Date:	07-Apr-2025 17:58:16	Instrument ID:	15830		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	61	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

35 Methacrylonitrile, CAS: 126-98-7

Signal: 1

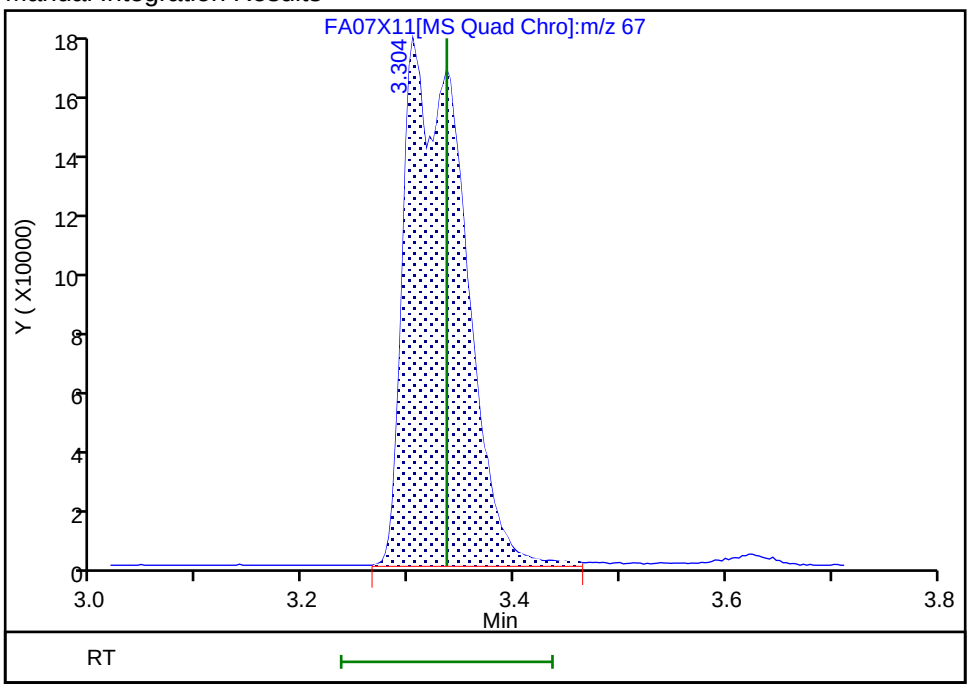
Processing Integration Results

RT: 3.30
Area: 307600
Amount: 70.453270
Amount Units: ug/l



Manual Integration Results

RT: 3.30
Area: 667817
Amount: 150.1712
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 18:27:15 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

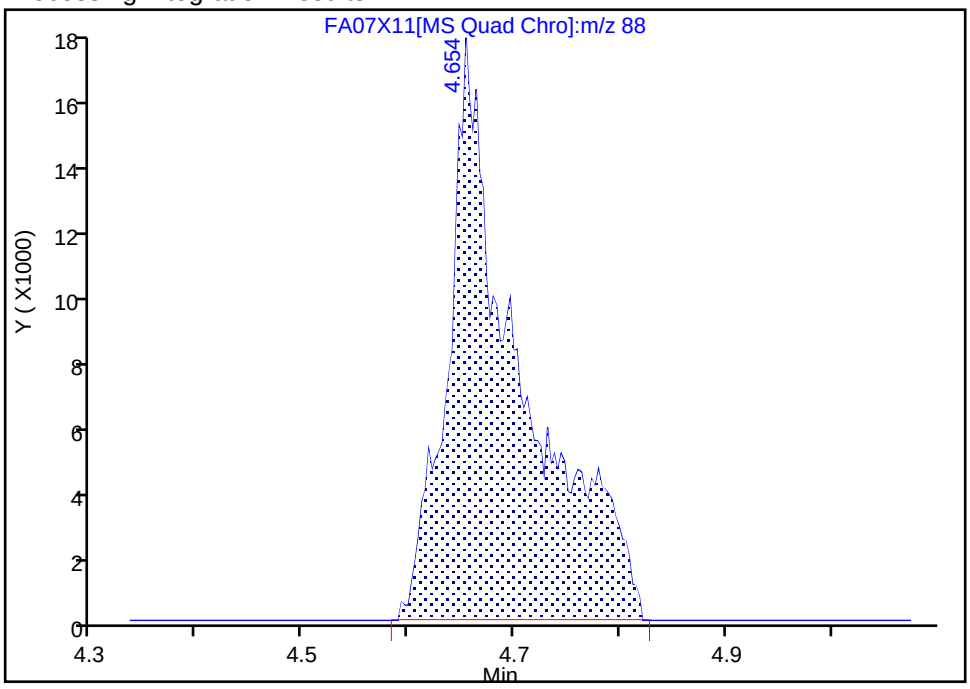
Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X11.D				
Injection Date:	07-Apr-2025 17:58:16	Instrument ID:	15830		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	61	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

57 1,4-Dioxane, CAS: 123-91-1

Signal: 1

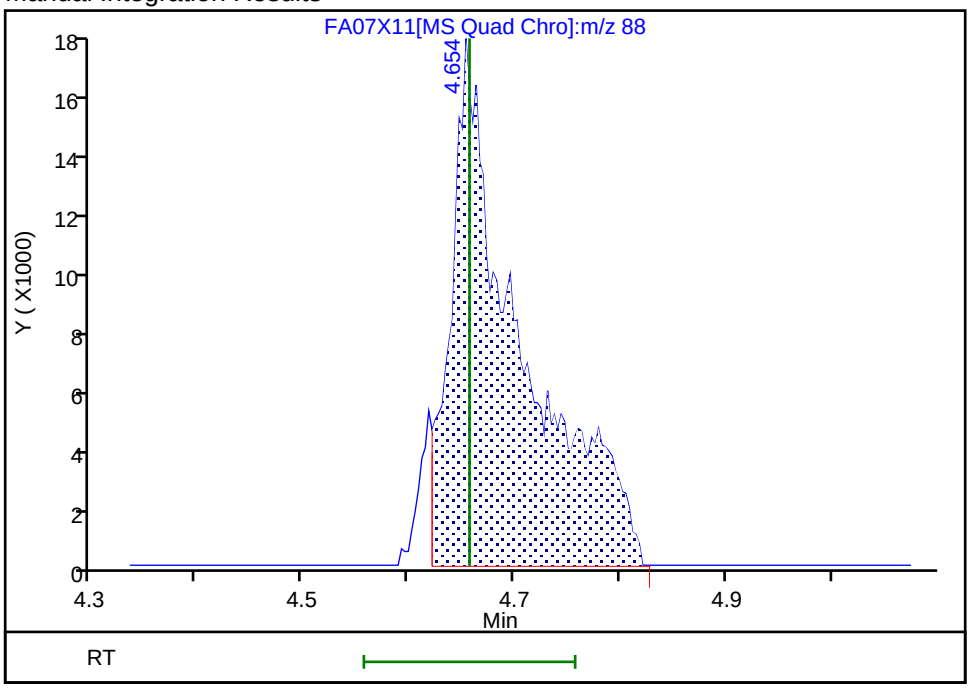
Processing Integration Results

RT: 4.65
Area: 83917
Amount: 518.9979
Amount Units: ug/l



Manual Integration Results

RT: 4.65
Area: 80109
Amount: 495.9267
Amount Units: ug/l



Reviewer: JS6E, 07-Apr-2025 18:27:35 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-655353/4 Calibration Date: 06/10/2025 13:22

Instrument ID: 15830 Calib Start Date: 04/07/2025 15:24

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 04/07/2025 17:19

Lab File ID: FU10X33.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4132	0.4062	0.1000	49.2	50.0	-1.7	20.0
Chloromethane	Ave	0.4654	0.5595	0.1000	60.1	50.0	20.2*	20.0
Vinyl chloride	Ave	0.4048	0.4828	0.1000	59.6	50.0	19.2	20.0
1,3-Butadiene	Ave	0.4742	0.6465		68.2	50.0	36.3*	20.0
Bromomethane	Ave	0.2865	0.3107	0.1000	54.2	50.0	8.5	20.0
Chloroethane	Ave	0.2383	0.2833	0.1000	59.4	50.0	18.9	20.0
n-Pentane	Ave	0.4155	0.5621		67.6	50.0	35.3*	20.0
Dichlorofluoromethane	Ave	0.6876	0.8084		58.8	50.0	17.6	20.0
Trichlorofluoromethane	Ave	0.5234	0.5295	0.1000	50.6	50.0	1.2	20.0
Acrolein	Ave	0.8119	1.001		601	488	23.3*	20.0
Freon 123a	Ave	0.3550	0.4082		57.5	50.0	15.0	20.0
1,1-Dichloroethene	Ave	0.2469	0.2646	0.1000	53.6	50.0	7.2	20.0
Acetone	Ave	0.4581	0.4513	0.1000	98.5	100	-1.5	20.0
Freon 113	Ave	0.2882	0.3014	0.1000	52.3	50.0	4.6	20.0
2-Propanol	Ave	0.3943	0.4816		305	250	22.1*	20.0
Methyl iodide	Ave	0.5087	0.4654		45.7	50.0	-8.5	20.0
Carbon disulfide	Ave	0.8555	1.045	0.1000	61.1	50.0	22.1*	20.0
Methyl acetate	Ave	0.3875	0.3526	0.1000	45.5	50.0	-9.0	20.0
Allyl chloride	Ave	0.4391	0.4824		54.9	50.0	9.9	20.0
Methylene Chloride	Ave	0.3019	0.3165	0.1000	52.4	50.0	4.8	20.0
t-Butyl alcohol	Ave	0.9891	0.9277		234	250	-6.2	20.0
Acrylonitrile	Ave	0.2135	0.2166		127	125	1.4	20.0
trans-1,2-Dichloroethene	Ave	0.2811	0.2740	0.1000	48.7	50.0	-2.5	20.0
Methyl tertiary butyl ether	Ave	0.9161	0.9200	0.1000	50.2	50.0	0.4	20.0
n-Hexane	Ave	0.3236	0.3749		57.9	50.0	15.9	20.0
1,1-Dichloroethane	Ave	0.4894	0.5334	0.2000	54.5	50.0	9.0	20.0
Isopropyl ether	Ave	0.8054	0.9725		60.4	50.0	20.7*	20.0
2-Chloro-1,3-butadiene	Ave	0.4351	0.4657		53.5	50.0	7.0	20.0
Ethyl t-butyl ether	Ave	0.8900	0.9490		53.3	50.0	6.6	20.0
2-Butanone	Ave	0.2633	0.2995	0.1000	114	100	13.7	20.0
cis-1,2-Dichloroethene	Ave	0.3244	0.3080	0.1000	47.5	50.0	-5.1	20.0
Propionitrile	Ave	0.7365	0.8525		289	250	15.8	20.0
2,2-Dichloropropane	Ave	0.4605	0.4152		45.1	50.0	-9.8	20.0
Methacrylonitrile	Ave	0.1768	0.1768		125	125	0.0	20.0
Tetrahydrofuran	Ave	0.6598	0.7080		268	250	7.3	20.0
Bromochloromethane	Ave	0.1551	0.1369		44.1	50.0	-11.7	20.0
Chloroform	Ave	0.4867	0.4752	0.2000	48.8	50.0	-2.4	20.0
1,1,1-Trichloroethane	Ave	0.4434	0.4053	0.1000	45.7	50.0	-8.6	20.0
Cyclohexane	Ave	0.5034	0.5797	0.1000	57.6	50.0	15.2	20.0
1,1-Dichloropropene	Ave	0.3633	0.3639		50.1	50.0	0.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-655353/4 Calibration Date: 06/10/2025 13:22

Instrument ID: 15830 Calib Start Date: 04/07/2025 15:24

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 04/07/2025 17:19

Lab File ID: FU10X33.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.3551	0.3123	0.1000	44.0	50.0	-12.1	20.0
Isobutyl alcohol	Ave	0.2421	0.2279		588	625	-5.9	20.0
Benzene	Ave	1.042	1.069	0.5000	51.3	50.0	2.6	20.0
1,2-Dichloroethane	Ave	0.3511	0.3167	0.1000	45.1	50.0	-9.8	20.0
t-Amyl methyl ether	Ave	0.8652	0.8529		49.3	50.0	-1.4	20.0
n-Heptane	Ave	0.2533	0.2720		53.7	50.0	7.4	20.0
n-Butanol	Ave	0.2039	0.1975		606	625	-3.1	20.0
Trichloroethene	Ave	0.2598	0.2351	0.2000	45.3	50.0	-9.5	20.0
Methylcyclohexane	Ave	0.4950	0.4778	0.1000	48.3	50.0	-3.5	20.0
1,2-Dichloropropane	Ave	0.2391	0.2612	0.1000	54.6	50.0	9.3	20.0
t-Amyl ethyl ether	Ave	0.4370	0.3954		45.2	50.0	-9.5	20.0
1,4-Dioxane	Ave	0.0513	0.0554	0.0050	675	625	8.0	20.0
Dibromomethane	Ave	0.1637	0.1485		45.4	50.0	-9.3	20.0
Methyl methacrylate	Ave	0.2171	0.2270		52.3	50.0	4.6	20.0
Bromodichloromethane	Ave	0.2821	0.2768	0.2000	49.0	50.0	-1.9	20.0
2-Nitropropane	Lin1		0.6843		189	250	-24.3*	20.0
2-Chloroethyl vinyl ether	Ave	0.1526	0.1833		60.1	50.0	20.1*	20.0
cis-1,3-Dichloropropene	Ave	0.3287	0.3360	0.2000	51.1	50.0	2.2	20.0
4-Methyl-2-pentanone	Ave	0.4561	0.5564	0.1000	122	100	22.0*	20.0
Toluene	Ave	0.8614	0.8442	0.4000	49.0	50.0	-2.0	20.0
trans-1,3-Dichloropropene	Ave	0.4285	0.4196	0.1000	49.0	50.0	-2.1	20.0
Ethyl methacrylate	Ave	0.5303	0.5437		51.3	50.0	2.5	20.0
1,1,2-Trichloroethane	Ave	0.2859	0.2838	0.1000	49.6	50.0	-0.7	20.0
Tetrachloroethene	Ave	0.3610	0.2945	0.2000	40.8	50.0	-18.4	20.0
1,3-Dichloropropane	Ave	0.4780	0.5133		53.7	50.0	7.4	20.0
2-Hexanone	Ave	0.4981	0.5936	0.1000	119	100	19.2	20.0
Dibromochloromethane	Ave	0.2843	0.2729		48.0	50.0	-4.0	20.0
1,2-Dibromoethane	Ave	0.3139	0.3044	0.1000	48.5	50.0	-3.0	20.0
Chlorobenzene	Ave	0.9279	0.8799	0.5000	47.4	50.0	-5.2	20.0
1-Chlorohexane	Ave	0.4600	0.4472		48.6	50.0	-2.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3622	0.3296		45.5	50.0	-9.0	20.0
Ethylbenzene	Ave	1.732	1.742	0.1000	50.3	50.0	0.6	20.0
m&p-Xylene	Ave	0.6767	0.6435	0.1000	95.1	100	-4.9	20.0
o-Xylene	Ave	0.7192	0.6791	0.3000	47.2	50.0	-5.6	20.0
Styrene	Ave	1.054	1.021	0.3000	48.5	50.0	-3.1	20.0
Bromoform	Ave	0.2008	0.1755	0.1000	43.7	50.0	-12.6	20.0
Isopropylbenzene	Ave	1.719	1.628	0.1000	47.4	50.0	-5.3	20.0
Bromobenzene	Ave	0.6589	0.6123		46.5	50.0	-7.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9704	1.151	0.3000	59.3	50.0	18.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2905	0.2004		86.2	125	-31.0*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-655353/4 Calibration Date: 06/10/2025 13:22

Instrument ID: 15830 Calib Start Date: 04/07/2025 15:24

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 04/07/2025 17:19

Lab File ID: FU10X33.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.3219	0.3275		50.9	50.0	1.7	20.0
N-Propylbenzene	Ave	3.416	3.782		55.4	50.0	10.7	20.0
2-Chlorotoluene	Ave	0.7188	0.7119		49.5	50.0	-1.0	20.0
1,3,5-Trimethylbenzene	Ave	2.568	2.609		50.8	50.0	1.6	20.0
4-Chlorotoluene	Ave	0.6793	0.6670		49.1	50.0	-1.8	20.0
tert-Butylbenzene	Ave	0.5173	0.4810		46.5	50.0	-7.0	20.0
1,2,4-Trimethylbenzene	Ave	2.586	2.597		50.2	50.0	0.4	20.0
sec-Butylbenzene	Ave	3.057	3.144		51.4	50.0	2.8	20.0
1,3-Dichlorobenzene	Ave	1.290	1.198	0.6000	46.4	50.0	-7.2	20.0
p-Isopropyltoluene	Ave	2.679	2.617		48.8	50.0	-2.3	20.0
1,4-Dichlorobenzene	Ave	1.298	1.191	0.5000	45.9	50.0	-8.2	20.0
1,2,3-Trimethylbenzene	Ave	2.697	2.711		50.3	50.0	0.5	20.0
Benzyl chloride	Ave	1.911	1.609		42.1	50.0	-15.8	20.0
1,3-Diethylbenzene	Ave	1.542	1.454		47.1	50.0	-5.7	20.0
1,4-Diethylbenzene	Ave	1.618	1.519		47.0	50.0	-6.1	20.0
n-Butylbenzene	Ave	1.282	1.332		52.0	50.0	3.9	20.0
1,2-Dichlorobenzene	Ave	1.323	1.233	0.4000	46.6	50.0	-6.8	20.0
1,2-Diethylbenzene	Ave	1.309	1.240		47.4	50.0	-5.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.3493	0.3658	0.0500	52.4	50.0	4.7	20.0
1,3,5-Trichlorobenzene	Ave	0.9357	0.7523		40.2	50.0	-19.6	20.0
1,2,4-Trichlorobenzene	Ave	0.9374	0.7813	0.2000	41.7	50.0	-16.7	20.0
Hexachlorobutadiene	Ave	0.3145	0.2503		39.8	50.0	-20.4*	20.0
Naphthalene	Ave	3.988	3.905		49.0	50.0	-2.1	20.0
1,2,3-Trichlorobenzene	Ave	0.9352	0.7491		40.1	50.0	-19.9	20.0
2-Methylnaphthalene	Ave	2.069	1.701		41.1	50.0	-17.8	20.0
Dibromofluoromethane (Surr)	Ave	0.2813	0.2641		46.9	50.0	-6.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0674	0.0627		46.5	50.0	-7.0	20.0
Toluene-d8 (Surr)	Ave	1.329	1.365		51.4	50.0	2.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5375	0.5478		51.0	50.0	1.9	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X33.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Jun-2025 13:22:26 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-004
Operator ID: knk41612 Instrument ID: 15830
Sublist: chrom-MSVoa_15830_PT2*sub10

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 10-Jun-2025 15:40:40 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: DVW2 Date: 10-Jun-2025 14:20:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.008	1.008	0.000	98	552254	50.0	49.2	
2 Chloromethane	50	1.124	1.124	0.000	99	760696	50.0	60.1	
4 Vinyl chloride	62	1.179	1.179	0.000	98	656338	50.0	59.6	
3 Butadiene	39	1.191	1.191	0.000	92	878941	50.0	68.2	
5 Bromomethane	94	1.362	1.362	0.000	90	422408	50.0	54.2	
6 Chloroethane	64	1.375	1.375	0.000	100	385211	50.0	59.4	
7 Pentane	43	1.510	1.510	0.000	97	764244	50.0	67.6	
8 Dichlorofluoromethane	67	1.548	1.548	0.000	97	1099038	50.0	58.8	
9 Trichlorofluoromethane	101	1.561	1.561	0.000	97	719940	50.0	50.6	M
11 Acrolein	56	1.732	1.732	0.000	100	1595484	487.9	601.4	
10 1,2-Dichloro-1,1,2-trifluoroetha	67	1.741	1.741	0.000	50	554933	50.0	57.5	
12 1,1-Dichloroethene	96	1.812	1.812	0.000	95	359782	50.0	53.6	
13 Acetone	58	1.825	1.825	0.000	98	147448	100.0	98.5	
14 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.867	1.867	0.000	95	409740	50.0	52.3	
15 Iodomethane	142	1.941	1.941	0.000	100	632745	50.0	45.7	
16 Isopropyl alcohol	45	1.941	1.941	0.000	92	393393	250.0	305.3	
17 Carbon disulfide	76	2.024	2.024	0.000	99	1420133	50.0	61.1	M
19 Methyl acetate	43	2.056	2.056	0.000	77	479390	50.0	45.5	M
18 3-Chloro-1-propene	41	2.059	2.059	0.000	86	655856	50.0	54.9	
20 Methylene Chloride	84	2.172	2.172	0.000	95	430312	50.0	52.4	
* 21 t-Butyl alcohol-d10 (IS)	65	2.252	2.252	0.000	76	816875	250.0	250.0	
22 2-Methyl-2-propanol	59	2.323	2.323	0.000	79	757807	250.0	234.5	
23 Acrylonitrile	53	2.346	2.346	0.000	100	736337	125.0	126.8	
24 trans-1,2-Dichloroethene	96	2.368	2.368	0.000	97	372491	50.0	48.7	
25 Methyl tert-butyl ether	73	2.387	2.387	0.000	94	1250860	50.0	50.2	
26 Hexane	57	2.590	2.590	0.000	91	509676	50.0	57.9	
27 1,1-Dichloroethane	63	2.712	2.712	0.000	96	725194	50.0	54.5	
28 Isopropyl ether	45	2.760	2.760	0.000	96	1322225	50.0	60.4	
29 2-Chloro-1,3-butadiene	53	2.767	2.767	0.000	91	633154	50.0	53.5	
30 Tert-butyl ethyl ether	59	3.053	3.053	0.000	99	1290200	50.0	53.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 2-Butanone (MEK)	43	3.133	3.133	0.000	99	814391	100.0	113.7	
32 cis-1,2-Dichloroethene	96	3.166	3.166	0.000	83	418686	50.0	47.5	
34 Propionitrile	54	3.182	3.182	0.000	99	696398	250.0	289.4	
33 2,2-Dichloropropane	77	3.191	3.191	0.000	88	564552	50.0	45.1	
35 Methacrylonitrile	67	3.304	3.304	0.000	91	601093	125.0	125.1	
37 Tetrahydrofuran	71	3.330	3.330	0.000	87	578342	250.0	268.3	
36 Chlorobromomethane	128	3.349	3.349	0.000	96	186106	50.0	44.1	
39 Chloroform	83	3.442	3.442	0.000	93	646010	50.0	48.8	
$ 40 Dibromofluoromethane (Surr)	113	3.567	3.567	0.000	93	359002	50.0	46.9	
41 1,1,1-Trichloroethane	97	3.571	3.571	0.000	98	551031	50.0	45.7	
42 Cyclohexane	56	3.629	3.629	0.000	91	788085	50.0	57.6	
43 1,1-Dichloropropene	75	3.686	3.686	0.000	97	494751	50.0	50.1	
44 Carbon tetrachloride	117	3.690	3.690	0.000	91	424544	50.0	44.0	
45 Isobutyl alcohol	41	3.805	3.805	0.000	94	465381	625.0	588.4	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.825	3.825	0.000	98	85283	50.0	46.5	
47 Benzene	78	3.844	3.844	0.000	97	1453207	50.0	51.3	
48 1,2-Dichloroethane	62	3.889	3.889	0.000	97	430579	50.0	45.1	
49 Tert-amyl methyl ether	73	3.976	3.976	0.000	98	1159531	50.0	49.3	
* 50 Fluorobenzene (IS)	96	4.079	4.079	0.000	98	1359559	50.0	50.0	
51 n-Heptane	43	4.095	4.095	0.000	95	369747	50.0	53.7	
52 n-Butanol	56	4.352	4.352	0.000	90	403326	625.0	605.5	
53 Trichloroethene	95	4.384	4.384	0.000	99	319624	50.0	45.3	
54 Methylcyclohexane	83	4.577	4.577	0.000	93	649653	50.0	48.3	
55 1,2-Dichloropropane	63	4.590	4.590	0.000	96	355173	50.0	54.6	
56 2-ethoxy-2-methyl butane	87	4.625	4.625	0.000	92	537583	50.0	45.2	
57 1,4-Dioxane	88	4.654	4.654	0.000	28	113141	625.0	674.8	M
59 Dibromomethane	93	4.661	4.661	0.000	63	201895	50.0	45.4	
58 Methyl methacrylate	69	4.667	4.667	0.000	92	308618	50.0	52.3	
60 Dichlorobromomethane	83	4.825	4.825	0.000	99	376267	50.0	49.0	
61 2-Nitropropane	41	5.011	5.011	0.000	99	559016	250.0	189.2	
62 2-Chloroethyl vinyl ether	63	5.082	5.082	0.000	91	249248	50.0	60.1	
63 cis-1,3-Dichloropropene	75	5.194	5.194	0.000	96	456765	50.0	51.1	
64 4-Methyl-2-pentanone (MIBK)	43	5.339	5.339	0.000	97	1512890	100.0	122.0	
$ 65 Toluene-d8 (Surr)	98	5.416	5.416	0.000	94	1251617	50.0	51.4	
66 Toluene	92	5.471	5.471	0.000	98	773886	50.0	49.0	
67 trans-1,3-Dichloropropene	75	5.677	5.677	0.000	93	384586	50.0	49.0	
68 Ethyl methacrylate	69	5.741	5.741	0.000	90	498379	50.0	51.3	
69 1,1,2-Trichloroethane	97	5.821	5.821	0.000	90	260194	50.0	49.6	
70 Tetrachloroethene	166	5.870	5.870	0.000	94	269954	50.0	40.8	
71 1,3-Dichloropropane	76	5.937	5.937	0.000	90	470479	50.0	53.7	
72 2-Hexanone	43	5.995	5.995	0.000	97	1088238	100.0	119.2	
73 Chlorodibromomethane	129	6.088	6.088	0.000	90	250123	50.0	48.0	
75 Ethylene Dibromide	107	6.159	6.159	0.000	97	279029	50.0	48.5	
* 76 Chlorobenzene-d5 (IS)	117	6.477	6.477	0.000	87	916662	50.0	50.0	
77 Chlorobenzene	112	6.497	6.497	0.000	94	806574	50.0	47.4	
78 1-Chlorohexane	91	6.506	6.506	0.000	98	409918	50.0	48.6	
79 1,1,1,2-Tetrachloroethane	131	6.564	6.564	0.000	94	302117	50.0	45.5	
80 Ethylbenzene	91	6.571	6.571	0.000	99	1596697	50.0	50.3	
81 m-Xylene & p-Xylene	106	6.657	6.657	0.000	99	1179715	100.0	95.1	
82 o-Xylene	106	6.892	6.892	0.000	98	622528	50.0	47.2	
83 Styrene	104	6.905	6.905	0.000	95	936168	50.0	48.5	
84 Bromoform	173	7.008	7.008	0.000	94	160848	50.0	43.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Isopropylbenzene	105	7.117	7.117	0.000	96	1492227	50.0	47.4	
$ 86 4-Bromofluorobenzene (Surr)	95	7.214	7.214	0.000	82	502138	50.0	51.0	
87 Bromobenzene	156	7.291	7.291	0.000	95	305961	50.0	46.5	
88 1,1,2,2-Tetrachloroethane	83	7.304	7.304	0.000	93	575058	50.0	59.3	
89 trans-1,4-Dichloro-2-butene	53	7.323	7.323	0.000	83	250313	125.0	86.2	
90 1,2,3-Trichloropropane	110	7.329	7.329	0.000	85	163641	50.0	50.9	
91 N-Propylbenzene	91	7.358	7.358	0.000	99	1889546	50.0	55.4	
92 2-Chlorotoluene	126	7.403	7.403	0.000	96	355688	50.0	49.5	
93 1,3,5-Trimethylbenzene	105	7.464	7.464	0.000	95	1303814	50.0	50.8	
94 4-Chlorotoluene	126	7.474	7.474	0.000	99	333282	50.0	49.1	
95 tert-Butylbenzene	134	7.638	7.638	0.000	93	240335	50.0	46.5	
96 1,2,4-Trimethylbenzene	105	7.670	7.670	0.000	98	1297552	50.0	50.2	
97 sec-Butylbenzene	105	7.760	7.760	0.000	94	1571050	50.0	51.4	
98 1,3-Dichlorobenzene	146	7.818	7.818	0.000	97	598524	50.0	46.4	
99 4-Isopropyltoluene	119	7.844	7.844	0.000	97	1307669	50.0	48.8	
* 100 1,4-Dichlorobenzene-d4	152	7.860	7.860	0.000	97	499660	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.873	7.873	0.000	94	595261	50.0	45.9	
102 1,2,3-Trimethylbenzene	105	7.889	7.889	0.000	99	1354351	50.0	50.3	
103 Benzyl chloride	91	7.937	7.937	0.000	98	804104	50.0	42.1	
104 1,3-Diethylbenzene	119	7.995	7.995	0.000	95	726405	50.0	47.1	
105 p-Diethylbenzene	119	8.046	8.046	0.000	93	759019	50.0	47.0	
106 n-Butylbenzene	92	8.059	8.059	0.000	98	665382	50.0	52.0	
107 1,2-Dichlorobenzene	146	8.062	8.062	0.000	96	616157	50.0	46.6	
108 o-diethylbenzene	119	8.098	8.098	0.000	97	619613	50.0	47.4	
109 1,2-Dibromo-3-Chloropropane	75	8.471	8.471	0.000	80	182759	50.0	52.4	
110 1,3,5-Trichlorobenzene	180	8.567	8.567	0.000	96	375899	50.0	40.2	
111 1,2,4-Trichlorobenzene	180	8.882	8.882	0.000	93	390399	50.0	41.7	
112 Hexachlorobutadiene	225	8.956	8.956	0.000	96	125064	50.0	39.8	
113 Naphthalene	128	9.014	9.014	0.000	97	1950991	50.0	49.0	
114 1,2,3-Trichlorobenzene	180	9.124	9.124	0.000	94	374301	50.0	40.1	
115 2-Methylnaphthalene	142	9.567	9.567	0.000	93	849833	50.0	41.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_GASES_01073	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00240	Amount Added:	4.00	Units: uL	
MSV_CCV_VOC#1_00239	Amount Added:	5.00	Units: uL	
MSV_CCV_2CEVE_00231	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00041	Amount Added:	5.00	Units: uL	Run Reagent

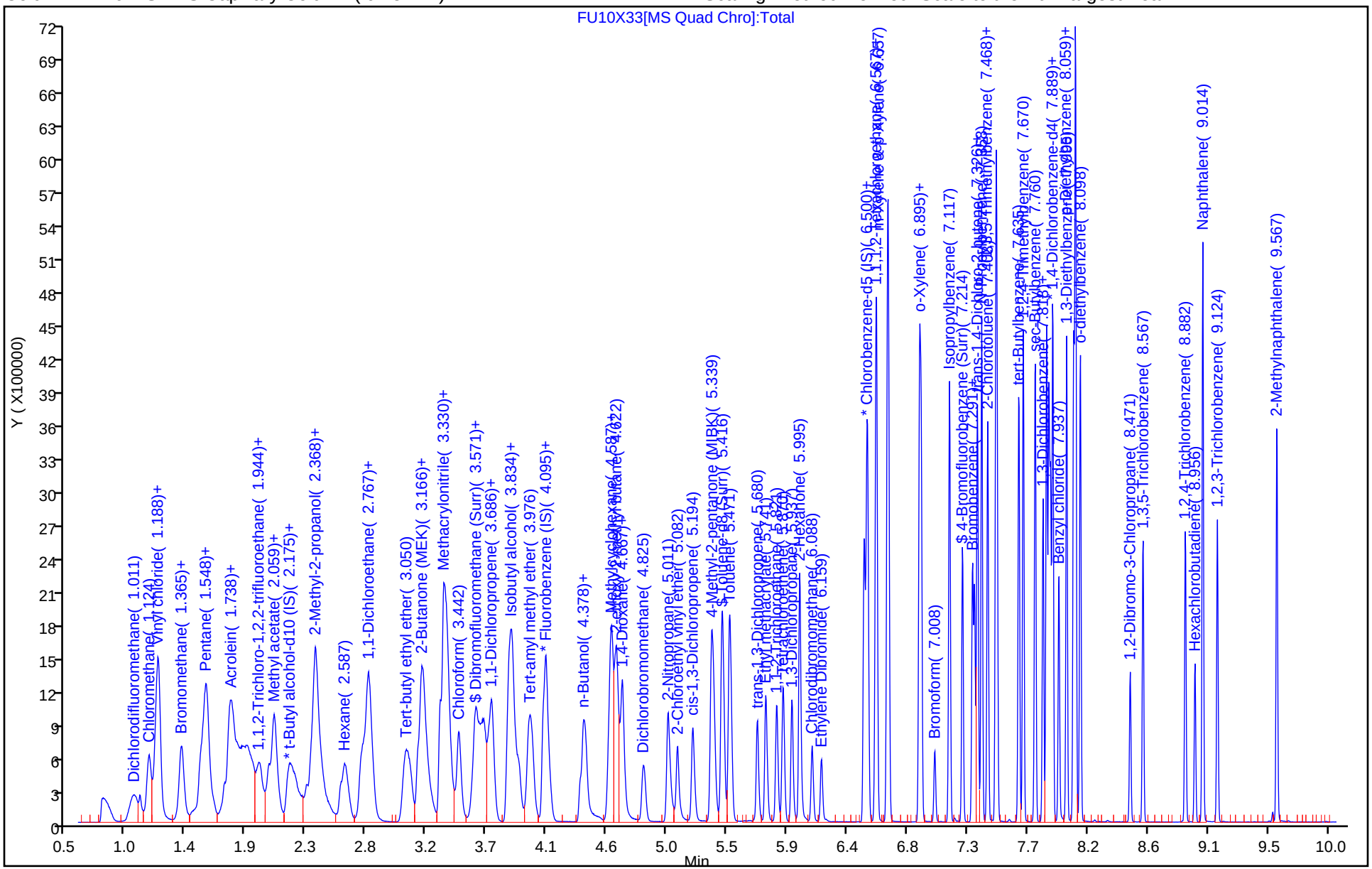
Report Date: 10-Jun-2025 15:40:41 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X33.D

Injection Date:	10-Jun-2025 13:22:26	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	53
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

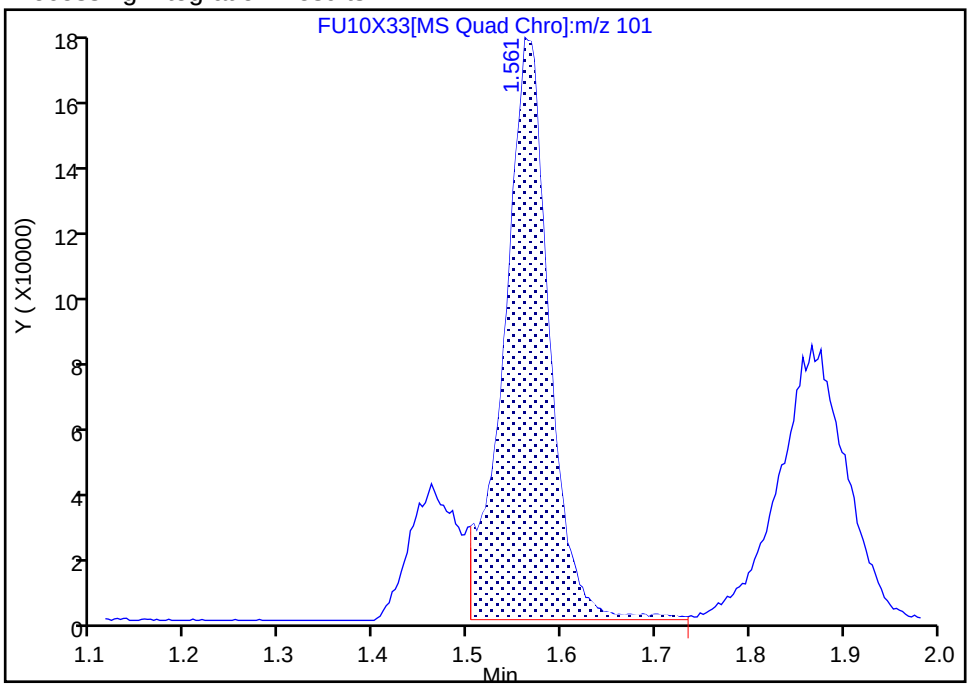
Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X33.D
Injection Date: 10-Jun-2025 13:22:26 Instrument ID: 15830
Lims ID: CCVIS
Client ID:
Operator ID: knk41612 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

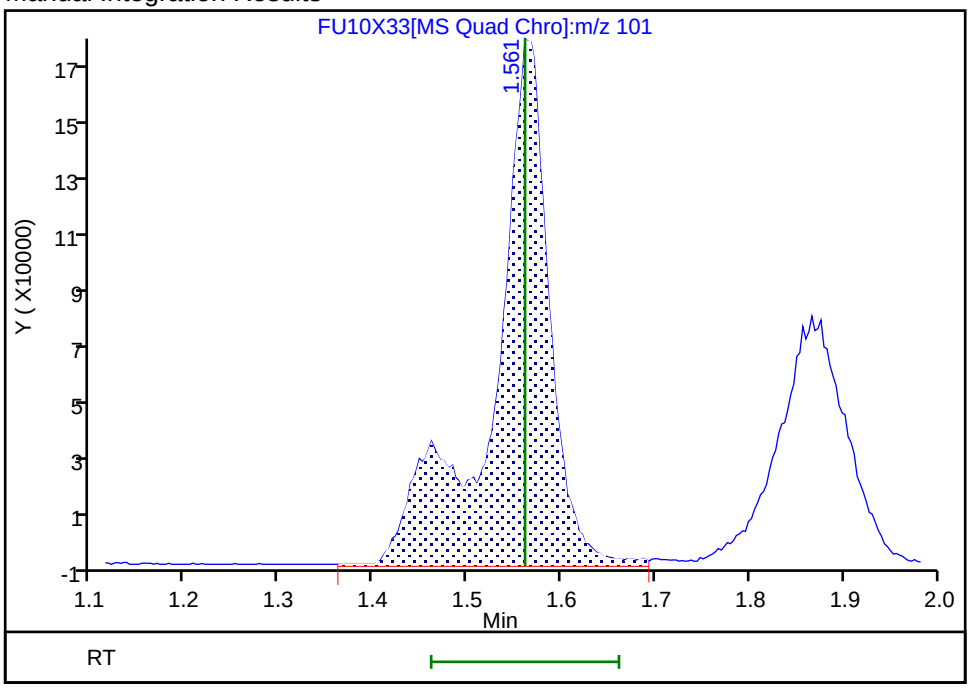
Processing Integration Results

RT: 1.56
Area: 575383
Amount: 40.430907
Amount Units: ug/l



Manual Integration Results

RT: 1.56
Area: 719940
Amount: 50.588612
Amount Units: ug/l



Reviewer: DVW2, 10-Jun-2025 14:19:37 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

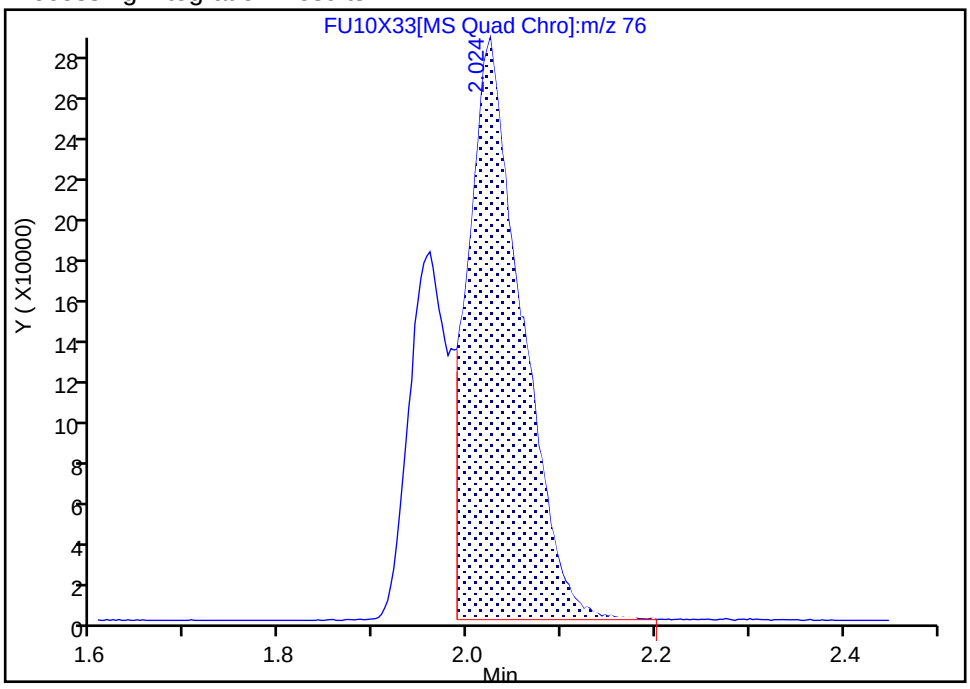
Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X33.D
Injection Date: 10-Jun-2025 13:22:26 Instrument ID: 15830
Lims ID: CCVIS
Client ID:
Operator ID: knk41612 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

17 Carbon disulfide, CAS: 75-15-0

Signal: 1

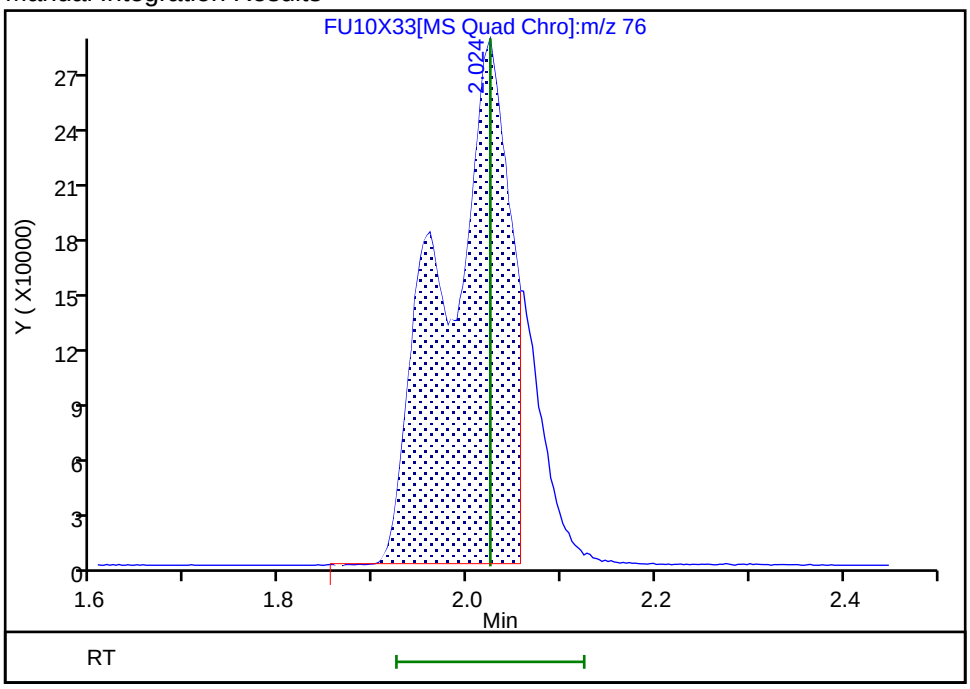
Processing Integration Results

RT: 2.02
Area: 1134693
Amount: 48.781207
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 1420133
Amount: 61.052462
Amount Units: ug/l



Reviewer: DVW2, 10-Jun-2025 14:19:51 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

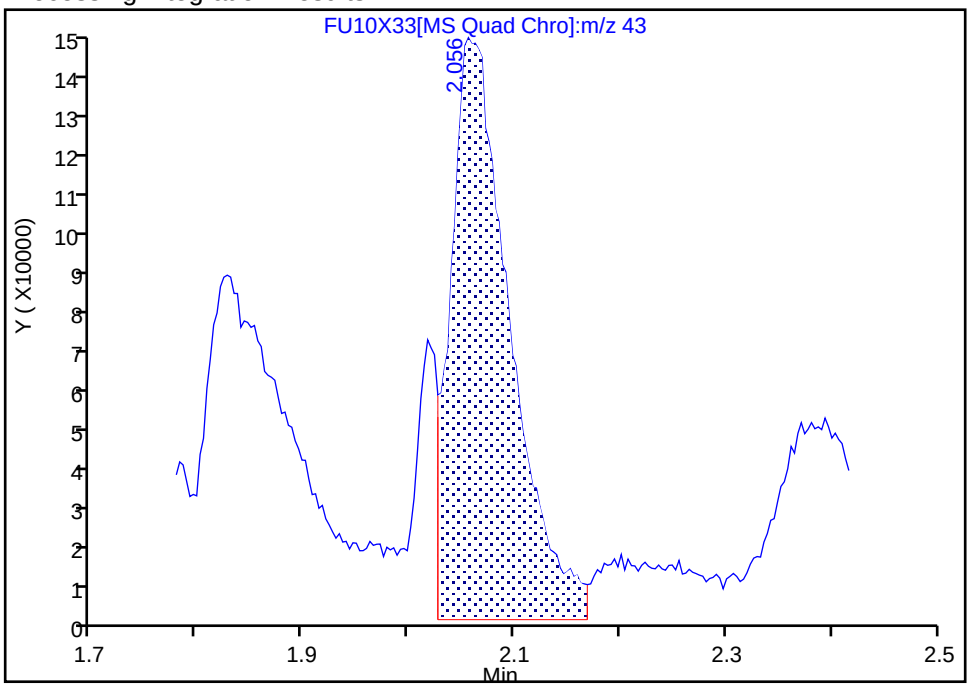
Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X33.D
Injection Date: 10-Jun-2025 13:22:26 Instrument ID: 15830
Lims ID: CCVIS
Client ID:
Operator ID: knk41612 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

19 Methyl acetate, CAS: 79-20-9

Signal: 1

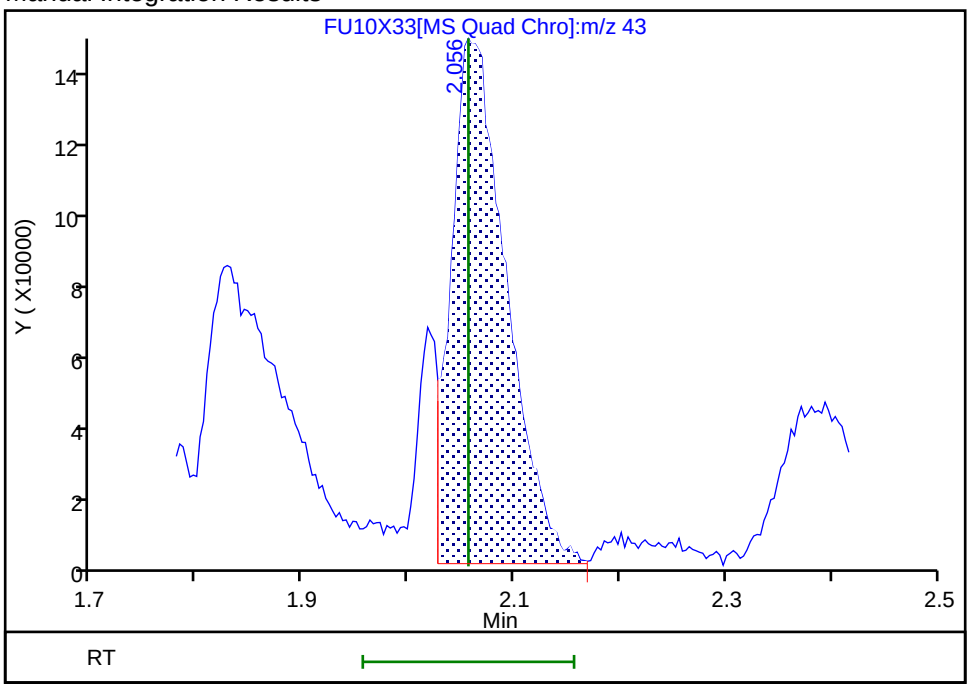
Processing Integration Results

RT: 2.06
Area: 548464
Amount: 52.058944
Amount Units: ug/l



Manual Integration Results

RT: 2.06
Area: 479390
Amount: 45.502598
Amount Units: ug/l



Reviewer: DVW2, 10-Jun-2025 14:20:00 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

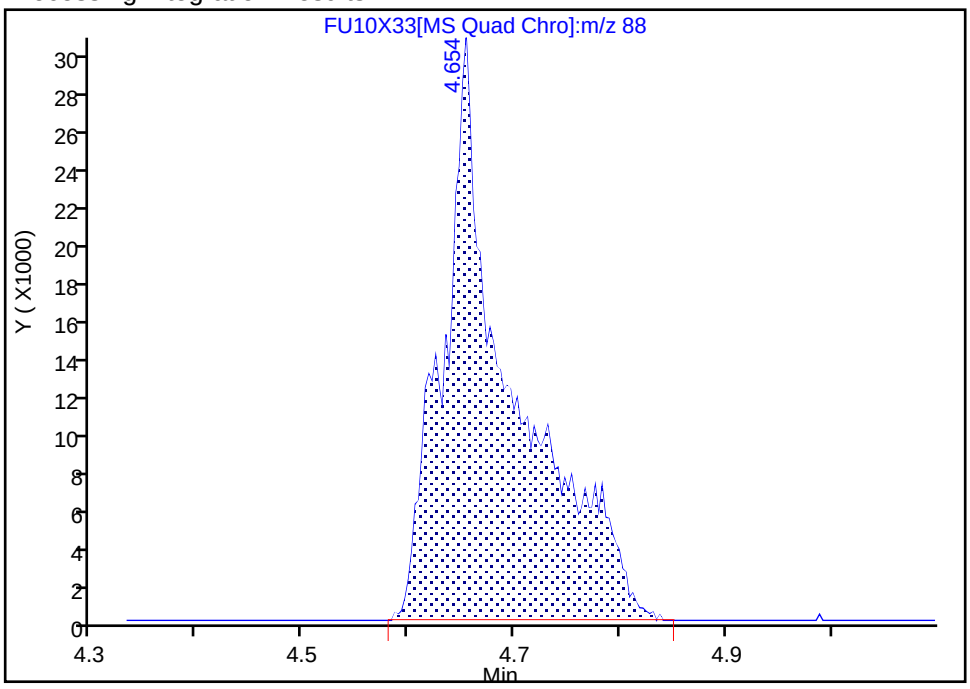
Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X33.D
Injection Date: 10-Jun-2025 13:22:26 Instrument ID: 15830
Lims ID: CCVIS
Client ID:
Operator ID: knk41612 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

57 1,4-Dioxane, CAS: 123-91-1

Signal: 1

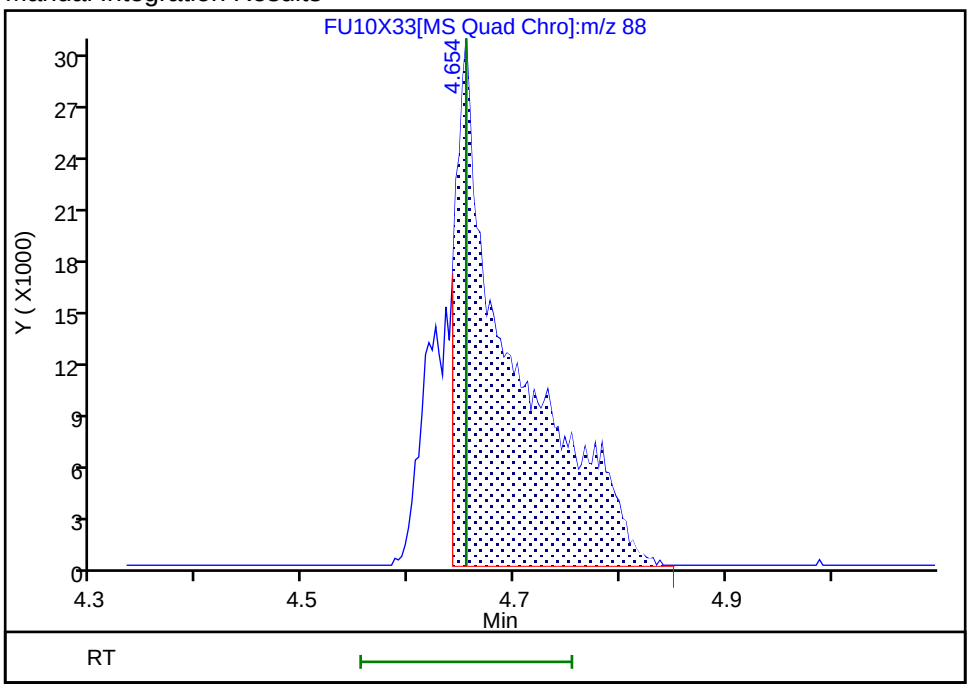
Processing Integration Results

RT: 4.65
Area: 138612
Amount: 826.6589
Amount Units: ug/l



Manual Integration Results

RT: 4.65
Area: 113141
Amount: 674.7541
Amount Units: ug/l



Reviewer: DVW2, 10-Jun-2025 14:20:19 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-633920/20 Calibration Date: 04/22/2025 20:20

Instrument ID: 9137 Calib Start Date: 04/22/2025 17:25

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 04/22/2025 19:36

Lab File ID: WA17X10.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4629	0.4688	0.1000	20.3	20.0	1.3	30.0
Chloromethane	Ave	0.4821	0.5246	0.1000	21.8	20.0	8.8	30.0
Vinyl chloride	Ave	0.4671	0.5239	0.1000	22.4	20.0	12.2	30.0
1,3-Butadiene	Ave	0.4742	0.5186		21.9	20.0	9.4	30.0
Bromomethane	Ave	0.3350	0.3659	0.1000	21.8	20.0	9.2	30.0
Chloroethane	Ave	0.2412	0.2736	0.1000	22.7	20.0	13.4	30.0
Dichlorofluoromethane	Ave	0.7314	0.8211		22.5	20.0	12.3	30.0
Trichlorofluoromethane	Ave	0.5597	0.6221	0.1000	22.2	20.0	11.1	30.0
n-Pentane	Ave	0.4403	0.3877		17.6	20.0	-11.9	30.0
Ethanol	Ave	0.0838	0.0847		1010	1000	1.1	30.0
Freon 123a	Ave	0.3252	0.3719		22.9	20.0	14.4	30.0
Acrolein	Ave	1.085	0.9091		123	146	-16.2	30.0
1,1-Dichloroethene	Ave	0.2452	0.2617	0.1000	21.3	20.0	6.7	30.0
Acetone	Ave	0.6388	0.5884	0.1000	230	250	-7.9	30.0
Freon 113	Ave	0.3130	0.2779	0.1000	17.8	20.0	-11.2	30.0
Methyl iodide	Ave	0.5002	0.4298		17.2	20.0	-14.1	30.0
2-Propanol	Ave	0.8334	0.7196		130	150	-13.7	30.0
Carbon disulfide	Ave	0.9550	0.8562	0.1000	17.9	20.0	-10.3	30.0
Methyl acetate	Ave	0.3109	0.2958	0.1000	19.0	20.0	-4.9	30.0
Allyl chloride	Ave	0.3374	0.3127		18.5	20.0	-7.3	30.0
Methylene Chloride	Ave	0.2702	0.2724	0.1000	20.2	20.0	0.8	30.0
t-Butyl alcohol	Ave	1.059	1.051		198	200	-0.8	30.0
Acrylonitrile	Ave	0.1575	0.1576		100	100	0.0	30.0
Methyl tertiary butyl ether	Ave	0.8337	0.7812	0.1000	18.7	20.0	-6.3	30.0
trans-1,2-Dichloroethene	Ave	0.2359	0.2397	0.1000	20.3	20.0	1.6	30.0
n-Hexane	Ave	0.2988	0.2688		18.0	20.0	-10.0	30.0
1,1-Dichloroethane	Ave	0.4027	0.4208	0.2000	20.9	20.0	4.5	30.0
Isopropyl ether	Ave	0.7476	0.7048		18.9	20.0	-5.7	30.0
2-Chloro-1,3-butadiene	Ave	0.3449	0.3227		18.7	20.0	-6.4	30.0
Ethyl t-butyl ether	Ave	0.7803	0.7269		18.6	20.0	-6.8	30.0
2-Butanone	Ave	0.2108	0.2006	0.1000	238	250	-4.8	30.0
cis-1,2-Dichloroethene	Ave	0.2672	0.2645	0.1000	19.8	20.0	-1.0	30.0
2,2-Dichloropropane	Ave	0.4143	0.4102		19.8	20.0	-1.0	30.0
Propionitrile	Ave	0.9215	0.9404		153	150	2.1	30.0
Methyl acrylate	Ave	0.3720	0.4267		22.9	20.0	14.7	30.0
Methacrylonitrile	Ave	0.1480	0.1519		154	150	2.7	30.0
Bromochloromethane	Ave	0.1340	0.1305		19.5	20.0	-2.6	30.0
Tetrahydrofuran	Ave	0.7894	0.7573		95.9	100	-4.1	30.0
Chloroform	Ave	0.3976	0.4033	0.2000	20.3	20.0	1.4	30.0
1,1,1-Trichloroethane	Ave	0.4218	0.4305	0.1000	20.4	20.0	2.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-633920/20 Calibration Date: 04/22/2025 20:20

Instrument ID: 9137 Calib Start Date: 04/22/2025 17:25

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 04/22/2025 19:36

Lab File ID: WA17X10.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Cyclohexane	Ave	0.4785	0.4498	0.1000	18.8	20.0	-6.0	30.0
1,1-Dichloropropene	Ave	0.3452	0.3367		19.5	20.0	-2.5	30.0
Carbon tetrachloride	Ave	0.3577	0.3575	0.1000	20.0	20.0	-0.0	30.0
Isobutyl alcohol	Ave	0.3070	0.2984		486	500	-2.8	30.0
Benzene	Ave	1.013	0.9889	0.5000	19.5	20.0	-2.3	30.0
1,2-Dichloroethane	Ave	0.3039	0.2990	0.1000	19.7	20.0	-1.6	30.0
t-Amyl methyl ether	Ave	0.7507	0.7040		18.8	20.0	-6.2	30.0
n-Heptane	Ave	0.2565	0.2349		18.3	20.0	-8.4	30.0
n-Butanol	Ave	0.2319	0.2480		1070	1000	6.9	30.0
Trichloroethene	Ave	0.2535	0.2515	0.2000	19.8	20.0	-0.8	30.0
Ethyl acrylate	Ave	0.3668	0.3998		21.8	20.0	9.0	30.0
Methylcyclohexane	Ave	0.4387	0.4212	0.1000	19.2	20.0	-4.0	30.0
1,2-Dichloropropane	Ave	0.2469	0.2481	0.1000	20.1	20.0	0.5	30.0
t-Amyl ethyl ether	Ave	0.3477	0.3414		19.6	20.0	-1.8	30.0
Methyl methacrylate	Ave	0.2110	0.2110		20.0	20.0	0.0	30.0
1,4-Dioxane	Ave	0.0819	0.0808	0.0050	493	500	-1.3	30.0
Dibromomethane	Ave	0.1589	0.1570		19.8	20.0	-1.2	30.0
Bromodichloromethane	Ave	0.2873	0.2885	0.2000	20.1	20.0	0.4	30.0
2-Nitropropane	Ave	1.147	1.021		17.8	20.0	-11.0	30.0
2-Chloroethyl vinyl ether	Ave	0.1642	0.1579		19.2	20.0	-3.8	30.0
cis-1,3-Dichloropropene	Ave	0.3479	0.3320	0.2000	19.1	20.0	-4.6	30.0
4-Methyl-2-pentanone	Ave	0.4122	0.4140	0.1000	251	250	0.5	30.0
Toluene	Ave	0.8339	0.8409	0.4000	20.2	20.0	0.8	30.0
trans-1,3-Dichloropropene	Ave	0.4229	0.4214	0.1000	19.9	20.0	-0.3	30.0
Ethyl methacrylate	Ave	0.4971	0.4813		19.4	20.0	-3.2	30.0
1,1,2-Trichloroethane	Ave	0.3008	0.2984	0.1000	19.8	20.0	-0.8	30.0
Tetrachloroethene	Ave	0.3532	0.3460	0.2000	19.6	20.0	-2.0	30.0
1,3-Dichloropropane	Ave	0.4885	0.4893		20.0	20.0	0.2	30.0
2-Hexanone	Ave	0.3768	0.3884	0.1000	258	250	3.1	30.0
Dibromochloromethane	Ave	0.3198	0.3141		19.6	20.0	-1.8	30.0
1,2-Dibromoethane	Ave	0.3130	0.3118	0.1000	19.9	20.0	-0.4	30.0
1-Chlorohexane	Ave	0.4319	0.4097		19.0	20.0	-5.2	30.0
Chlorobenzene	Ave	0.9036	0.8935	0.5000	19.8	20.0	-1.1	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3566	0.3576		20.1	20.0	0.3	30.0
Ethylbenzene	Ave	1.693	1.713	0.1000	20.2	20.0	1.2	30.0
m&p-Xylene	Ave	0.6517	0.6614	0.1000	40.6	40.0	1.5	30.0
n-Butyl acrylate	Ave	0.6811	0.7466		21.9	20.0	9.6	30.0
o-Xylene	Ave	0.6856	0.7003	0.3000	20.4	20.0	2.1	30.0
Styrene	Ave	1.006	1.022	0.3000	20.3	20.0	1.6	30.0
Bromoform	Ave	0.2463	0.2436	0.1000	19.8	20.0	-1.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-633920/20 Calibration Date: 04/22/2025 20:20

Instrument ID: 9137 Calib Start Date: 04/22/2025 17:25

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 04/22/2025 19:36

Lab File ID: WA17X10.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isopropylbenzene	Ave	1.591	1.877	0.1000	23.6	20.0	17.9	30.0
Cyclohexanone	Ave	0.2749	0.2888		525	500	5.1	30.0
1,1,2,2-Tetrachloroethane	Ave	1.064	1.108	0.3000	20.8	20.0	4.1	30.0
Bromobenzene	Ave	0.6962	0.7010		20.1	20.0	0.7	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2720	0.2895		106	100	6.5	30.0
1,2,3-Trichloropropane	Ave	0.3303	0.3324		20.1	20.0	0.6	30.0
N-Propylbenzene	Ave	3.455	3.708		21.5	20.0	7.3	30.0
2-Chlorotoluene	Ave	0.7194	0.7556		21.0	20.0	5.0	30.0
1,3,5-Trimethylbenzene	Ave	2.507	2.653		21.2	20.0	5.9	30.0
4-Chlorotoluene	Ave	0.6939	0.7018		20.2	20.0	1.1	30.0
tert-Butylbenzene	Ave	0.4672	0.4717		20.2	20.0	0.9	30.0
1,2,4-Trimethylbenzene	Ave	2.598	2.734		21.1	20.0	5.3	30.0
sec-Butylbenzene	Ave	3.044	3.183		20.9	20.0	4.6	30.0
1,3-Dichlorobenzene	Ave	1.329	1.350	0.6000	20.3	20.0	1.6	30.0
p-Isopropyltoluene	Ave	2.636	2.724		20.7	20.0	3.3	30.0
1,4-Dichlorobenzene	Ave	1.373	1.393	0.5000	20.3	20.0	1.5	30.0
1,2,3-Trimethylbenzene	Ave	2.762	2.784		20.2	20.0	0.8	30.0
Benzyl chloride	Ave	1.905	1.934		20.3	20.0	1.5	30.0
1,3-Diethylbenzene	Ave	1.529	1.617		21.1	20.0	5.7	30.0
1,4-Diethylbenzene	Ave	1.607	1.703		21.2	20.0	5.9	30.0
n-Butylbenzene	Ave	1.284	1.357		21.1	20.0	5.6	30.0
1,2-Dichlorobenzene	Ave	1.453	1.531	0.4000	21.1	20.0	5.4	30.0
1,2-Diethylbenzene	Ave	1.320	1.386		21.0	20.0	5.0	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.3173	0.3136	0.0500	19.8	20.0	-1.1	30.0
1,3,5-Trichlorobenzene	Ave	0.999	1.023		20.5	20.0	2.4	30.0
1,2,4-Trichlorobenzene	Ave	1.011	1.048	0.2000	20.7	20.0	3.6	30.0
2-Ethylhexyl acrylate	Qua		0.8721		21.5	20.0	7.4	30.0
Hexachlorobutadiene	Ave	0.3410	0.3439		20.2	20.0	0.8	30.0
Naphthalene	Ave	4.280	4.598		21.5	20.0	7.4	30.0
1,2,3-Trichlorobenzene	Ave	1.037	1.064		20.5	20.0	2.6	30.0
2-Methylnaphthalene	Ave	1.926	2.351		24.4	20.0	22.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2341	0.2341		50.0	50.0	0.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0593	0.0593		50.0	50.0	-0.0	30.0
Toluene-d8 (Surr)	Ave	1.294	1.347		52.0	50.0	4.1	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4952	0.5055		51.0	50.0	2.1	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X10.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 22-Apr-2025 20:20:30 ALS Bottle#: 10 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0141045-020
Misc. Info.: ICV
Operator ID: knk41612 Instrument ID: 9137
Sublist:

Method: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 25-Apr-2025 08:42:46 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: DVW2 Date: 23-Apr-2025 08:43:55

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	5 Dichlorodifluoromethane	85	1.985	1.989	-0.004	99	206135	20.0	20.3	
	7 Chloromethane	50	2.191	2.191	0.000	99	230696	20.0	21.8	
	9 Vinyl chloride	62	2.303	2.309	-0.006	98	230387	20.0	22.4	
	8 Butadiene	39	2.306	2.316	-0.010	89	228031	20.0	21.9	
	12 Bromomethane	94	2.662	2.669	-0.007	90	160874	20.0	21.8	
	13 Chloroethane	64	2.730	2.733	-0.003	100	120318	20.0	22.7	
	14 Dichlorofluoromethane	67	3.009	3.012	-0.003	98	361071	20.0	22.5	
	15 Trichlorofluoromethane	101	3.057	3.064	-0.007	99	273541	20.0	22.2	
	28 Pentane	43	3.083	3.089	-0.006	97	170489	20.0	17.6	
	17 Ethanol	45	3.359	3.291	0.068	31	149407	1000.1	1011.1	a
	18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.397	3.394	0.003	92	163550	20.0	22.9	
	19 Acrolein	56	3.487	3.484	0.003	98	234729	146.4	122.6	
	20 1,1-Dichloroethene	96	3.622	3.632	-0.010	97	115054	20.0	21.3	
	22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.657	3.654	0.003	56	122191	20.0	17.8	
	21 Acetone	58	3.657	3.657	0.000	100	259496	250.0	230.3	
	24 Isopropyl alcohol	45	3.846	3.821	0.025	54	190414	150.0	129.5	
	23 Iodomethane	142	3.830	3.837	-0.007	98	188997	20.0	17.2	
	25 Carbon disulfide	76	3.968	3.956	0.012	99	376499	20.0	17.9	
	27 Methyl acetate	43	4.084	4.081	0.003	98	130076	20.0	19.0	
	30 3-Chloro-1-propene	41	4.113	4.116	-0.003	93	137515	20.0	18.5	
	33 Methylene Chloride	84	4.312	4.315	-0.003	92	119766	20.0	20.2	
*	34 t-Butyl alcohol-d10 (IS)	65	4.379	4.379	0.000	69	441046	250.0	250.0	
	35 2-Methyl-2-propanol	59	4.475	4.463	0.012	98	370737	200.0	198.5	
	36 Acrylonitrile	53	4.668	4.665	0.003	100	346421	100.0	100.1	
	37 Methyl tert-butyl ether	73	4.722	4.716	0.006	88	343510	20.0	18.7	
	38 trans-1,2-Dichloroethene	96	4.722	4.726	-0.004	99	105401	20.0	20.3	
	39 Hexane	57	5.159	5.159	0.000	93	118182	20.0	18.0	
	41 1,1-Dichloroethane	63	5.396	5.400	-0.004	96	185014	20.0	20.9	
	42 Isopropyl ether	45	5.464	5.454	0.010	98	309918	20.0	18.9	
	43 2-Chloro-1,3-butadiene	53	5.509	5.506	0.003	93	141907	20.0	18.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Tert-butyl ethyl ether	59	6.003	5.993	0.010	98	319633	20.0	18.6	
46 2-Butanone (MEK)	43	6.199	6.199	0.000	100	1102797	250.0	237.9	
47 cis-1,2-Dichloroethene	96	6.231	6.234	-0.003	81	116323	20.0	19.8	
49 2,2-Dichloropropane	77	6.256	6.256	0.000	64	180382	20.0	19.8	
50 Propionitrile	54	6.308	6.314	-0.006	94	248854	150.0	153.1	
51 Methyl acrylate	55	6.327	6.324	0.003	98	187368	20.0	22.9	
53 Methacrylonitrile	67	6.513	6.510	0.003	91	501074	150.0	154.0	
54 Chlorobromomethane	128	6.568	6.568	0.000	94	57389	20.0	19.5	
55 Tetrahydrofuran	71	6.577	6.577	0.000	77	133609	100.0	95.9	
56 Chloroform	83	6.725	6.722	0.003	95	177355	20.0	20.3	
$ 57 Dibromofluoromethane (Surr)	113	6.933	6.933	0.000	93	257308	50.0	50.0	
58 1,1,1-Trichloroethane	97	6.956	6.946	0.010	97	189306	20.0	20.4	
59 Cyclohexane	56	7.046	7.043	0.003	89	197786	20.0	18.8	
61 Carbon tetrachloride	117	7.158	7.158	0.000	93	157197	20.0	20.0	
62 1,1-Dichloropropene	75	7.158	7.158	0.000	96	148054	20.0	19.5	
64 Isobutyl alcohol	41	7.325	7.341	-0.016	95	263213	500.0	486.0	
$ 65 1,2-Dichloroethane-d4 (Surr)	102	7.392	7.389	0.003	77	65206	50.0	50.0	
66 Benzene	78	7.424	7.424	0.000	96	434831	20.0	19.5	
69 1,2-Dichloroethane	62	7.498	7.498	0.000	97	131477	20.0	19.7	
70 Tert-amyl methyl ether	73	7.614	7.620	-0.006	98	309545	20.0	18.8	
* 73 Fluorobenzene (IS)	96	7.832	7.826	0.006	99	1099309	50.0	50.0	
74 n-Heptane	43	7.838	7.835	0.003	85	103309	20.0	18.3	
75 n-Butanol	56	8.207	8.204	0.003	88	437523	1000.0	1069.2	
76 Trichloroethene	95	8.304	8.310	-0.006	98	110589	20.0	19.8	
77 Ethyl acrylate	55	8.419	8.426	-0.007	99	175525	20.0	21.8	
78 Methylcyclohexane	83	8.612	8.618	-0.006	90	185211	20.0	19.2	
80 1,2-Dichloropropane	63	8.647	8.647	0.000	73	109088	20.0	20.1	
79 2-ethoxy-2-methyl butane	87	8.650	8.647	0.003	93	150130	20.0	19.6	
81 Methyl methacrylate	69	8.724	8.724	0.000	90	92792	20.0	20.0	
82 1,4-Dioxane	88	8.730	8.734	-0.004	50	71266	500.0	493.3	
83 Dibromomethane	93	8.756	8.756	0.000	97	69048	20.0	19.8	
85 Dichlorobromomethane	83	8.994	8.987	0.007	99	126856	20.0	20.1	
86 2-Nitropropane	41	9.270	9.266	0.004	97	36016	20.0	17.8	
88 2-Chloroethyl vinyl ether	63	9.347	9.350	-0.003	91	69425	20.0	19.2	
91 cis-1,3-Dichloropropene	75	9.533	9.530	0.003	97	145999	20.0	19.1	
92 4-Methyl-2-pentanone (MIBK)	43	9.706	9.706	0.000	96	2275779	250.0	251.1	
$ 94 Toluene-d8 (Surr)	98	9.834	9.834	0.000	93	1087416	50.0	52.0	
99 Toluene	92	9.908	9.911	-0.003	98	271629	20.0	20.2	
124 trans-1,3-Dichloropropene	75	10.165	10.168	-0.003	92	136121	20.0	19.9	
126 Ethyl methacrylate	69	10.226	10.223	0.003	89	155462	20.0	19.4	
128 1,1,2-Trichloroethane	97	10.367	10.367	0.000	90	96400	20.0	19.8	
129 Tetrachloroethene	166	10.450	10.450	0.000	97	111770	20.0	19.6	
131 1,3-Dichloropropane	76	10.531	10.534	-0.003	92	158042	20.0	20.0	
133 2-Hexanone	43	10.582	10.582	0.000	96	1568149	250.0	257.7	
135 Chlorodibromomethane	129	10.742	10.742	0.000	91	101463	20.0	19.6	
136 Ethylene Dibromide	107	10.852	10.852	0.000	99	100708	20.0	19.9	
* 138 Chlorobenzene-d5 (IS)	117	11.282	11.282	0.000	85	807513	50.0	50.0	
139 1-Chlorohexane	91	11.288	11.288	0.000	96	132320	20.0	19.0	
140 Chlorobenzene	112	11.307	11.307	0.000	96	288614	20.0	19.8	
141 1,1,1,2-Tetrachloroethane	131	11.387	11.387	0.000	95	115511	20.0	20.1	
142 Ethylbenzene	91	11.391	11.394	-0.003	98	553374	20.0	20.2	
143 m-Xylene & p-Xylene	106	11.506	11.509	-0.003	100	427256	40.0	40.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
144 n-Butyl acrylate	55	11.782	11.782	0.000	96	240681	20.0	21.9	
145 o-Xylene	106	11.833	11.837	-0.004	96	226201	20.0	20.4	
146 Styrene	104	11.853	11.853	0.000	95	330003	20.0	20.3	
147 Bromoform	173	12.007	12.007	0.000	96	78694	20.0	19.8	
148 Isopropylbenzene	105	12.135	12.135	0.000	95	606195	20.0	23.6	
150 Cyclohexanone	55	12.219	12.219	-0.001	91	254737	500.0	525.2	
$ 151 4-Bromofluorobenzene (Surr)	95	12.276	12.276	0.000	91	408225	50.0	51.0	
152 1,1,2,2-Tetrachloroethane	83	12.382	12.379	0.003	96	203298	20.0	20.8	
153 Bromobenzene	156	12.395	12.395	0.000	96	128666	20.0	20.1	
154 trans-1,4-Dichloro-2-butene	53	12.405	12.408	-0.003	95	265723	100.0	106.5	
155 1,2,3-Trichloropropane	110	12.427	12.427	0.000	84	61013	20.0	20.1	
156 N-Propylbenzene	91	12.459	12.462	-0.003	99	680577	20.0	21.5	
157 2-Chlorotoluene	126	12.543	12.539	0.004	97	138696	20.0	21.0	
158 1,3,5-Trimethylbenzene	105	12.597	12.597	0.000	94	487007	20.0	21.2	
159 4-Chlorotoluene	126	12.632	12.633	-0.001	97	128815	20.0	20.2	
160 tert-Butylbenzene	134	12.838	12.838	0.000	93	86571	20.0	20.2	
162 1,2,4-Trimethylbenzene	105	12.883	12.883	0.000	97	501870	20.0	21.1	
163 sec-Butylbenzene	105	13.005	13.005	0.000	94	584307	20.0	20.9	
164 1,3-Dichlorobenzene	146	13.104	13.104	0.000	98	247770	20.0	20.3	
165 4-Isopropyltoluene	119	13.111	13.111	0.000	97	500031	20.0	20.7	
* 166 1,4-Dichlorobenzene-d4	152	13.156	13.159	-0.003	95	458868	50.0	50.0	
168 1,4-Dichlorobenzene	146	13.178	13.178	0.000	96	255678	20.0	20.3	
169 1,2,3-Trimethylbenzene	105	13.188	13.188	0.000	99	510927	20.0	20.2	
170 Benzyl chloride	91	13.255	13.255	0.000	98	354977	20.0	20.3	
171 1,3-Diethylbenzene	119	13.310	13.310	0.000	95	296706	20.0	21.1	
172 p-Diethylbenzene	119	13.380	13.380	0.000	95	312534	20.0	21.2	
173 n-Butylbenzene	92	13.403	13.403	0.000	98	249022	20.0	21.1	
174 1,2-Dichlorobenzene	146	13.438	13.438	0.000	98	281051	20.0	21.1	
175 o-diethylbenzene	119	13.454	13.454	0.000	95	254439	20.0	21.0	
177 1,2-Dibromo-3-Chloropropane	75	13.980	13.980	0.000	86	57568	20.0	19.8	
178 1,3,5-Trichlorobenzene	180	14.105	14.105	0.000	98	187847	20.0	20.5	
179 1,2,4-Trichlorobenzene	180	14.529	14.529	0.000	94	192283	20.0	20.7	
180 2-Ethylhexyl acrylate	55	14.583	14.584	-0.001	81	160131	20.0	21.5	
181 Hexachlorobutadiene	225	14.612	14.612	0.000	97	63121	20.0	20.2	
182 Naphthalene	128	14.712	14.712	0.000	97	843948	20.0	21.5	
183 1,2,3-Trichlorobenzene	180	14.856	14.856	0.000	96	195236	20.0	20.5	
184 2-Methylnaphthalene	142	15.495	15.495	0.000	95	431548	20.0	24.4	a

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSV_LCS_VOC#1_00216	Amount Added:	50.00	Units: uL	
MSV_LCS_2CEVE_00225	Amount Added:	50.00	Units: uL	
MSV_LCS_CYC_00011	Amount Added:	50.00	Units: uL	
MSV_LCS_ETOH_00010	Amount Added:	50.00	Units: uL	
MSV_Q_Acr_Std_00011	Amount Added:	2.00	Units: uL	
MSV_LCS_ACROL_00223	Amount Added:	50.00	Units: uL	
MSV_QC_2K_GAS_00299	Amount Added:	1.00	Units: uL	
MSV_Cent_ISSS_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 25-Apr-2025 08:50:05 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X10.D

Injection Date: 22-Apr-2025 20:20:30 Instrument ID: 9137 Operator ID: knk41612

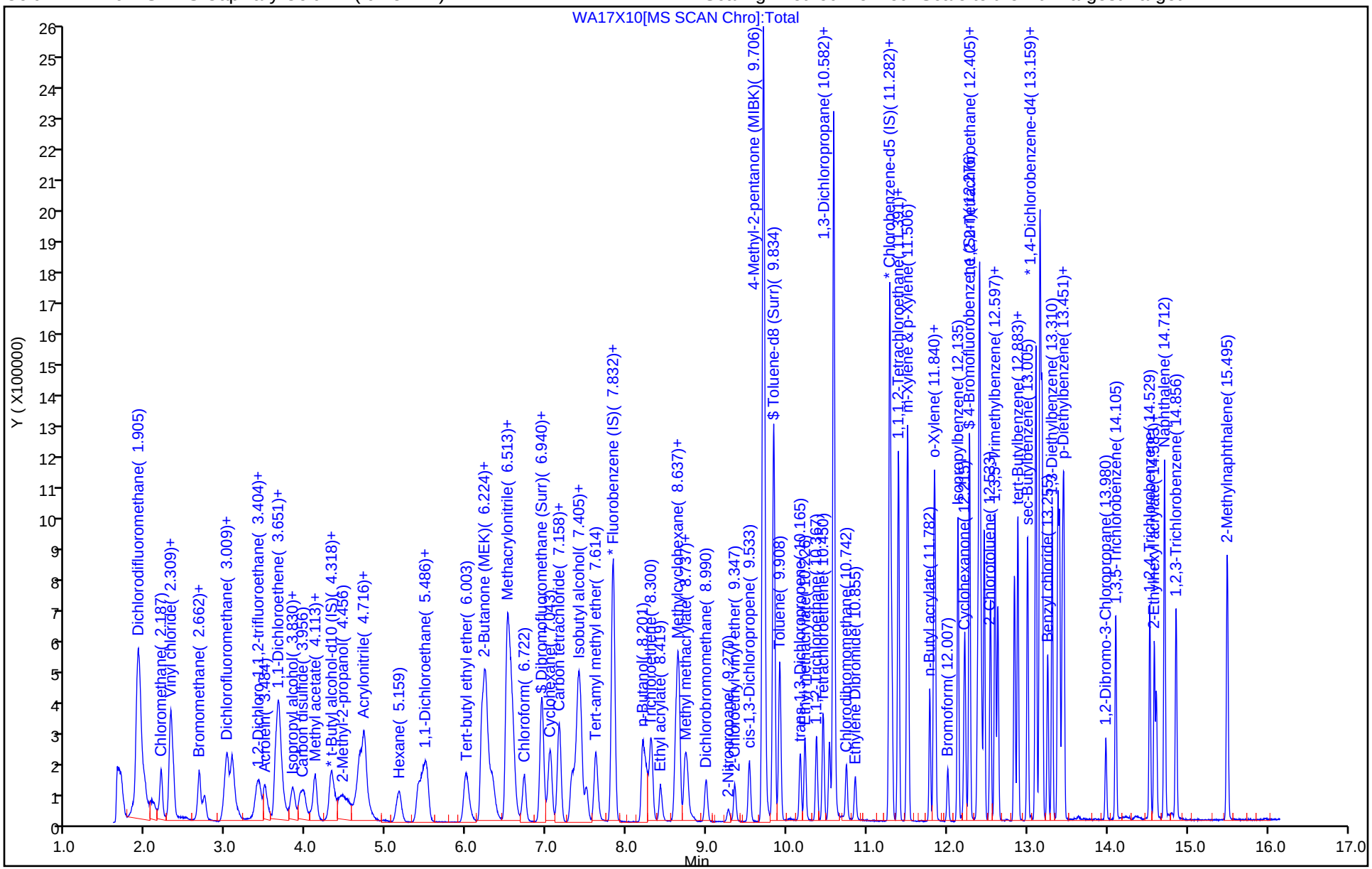
Lims ID: ICV Worklist Smp#: 20

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 10

Method: MSVoa_9137 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

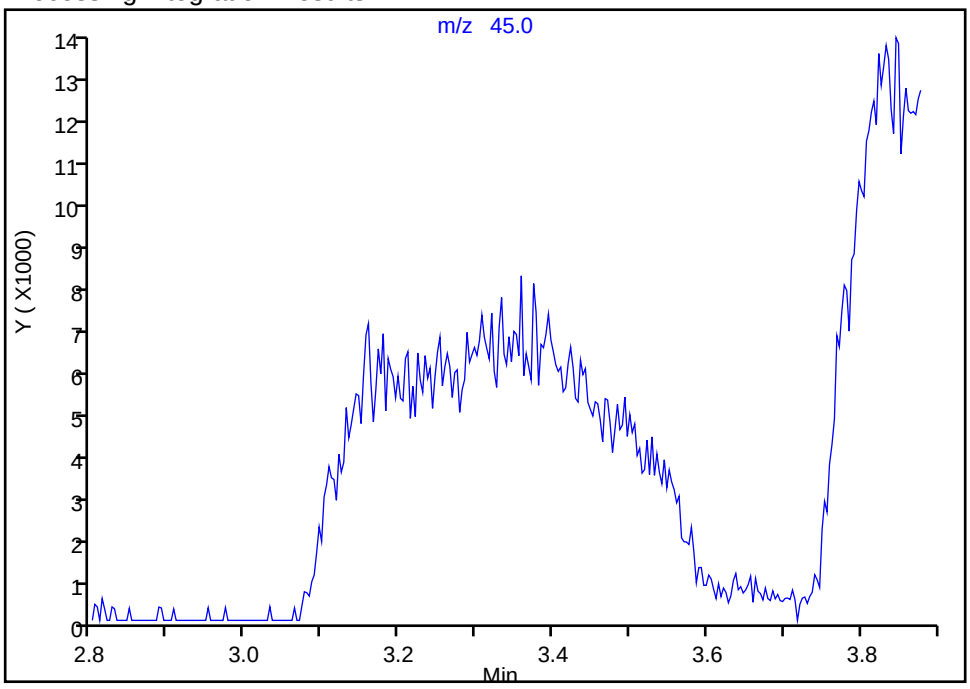
Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X10.D
Injection Date: 22-Apr-2025 20:20:30 Instrument ID: 9137
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

17 Ethanol, CAS: 64-17-5

Signal: 1

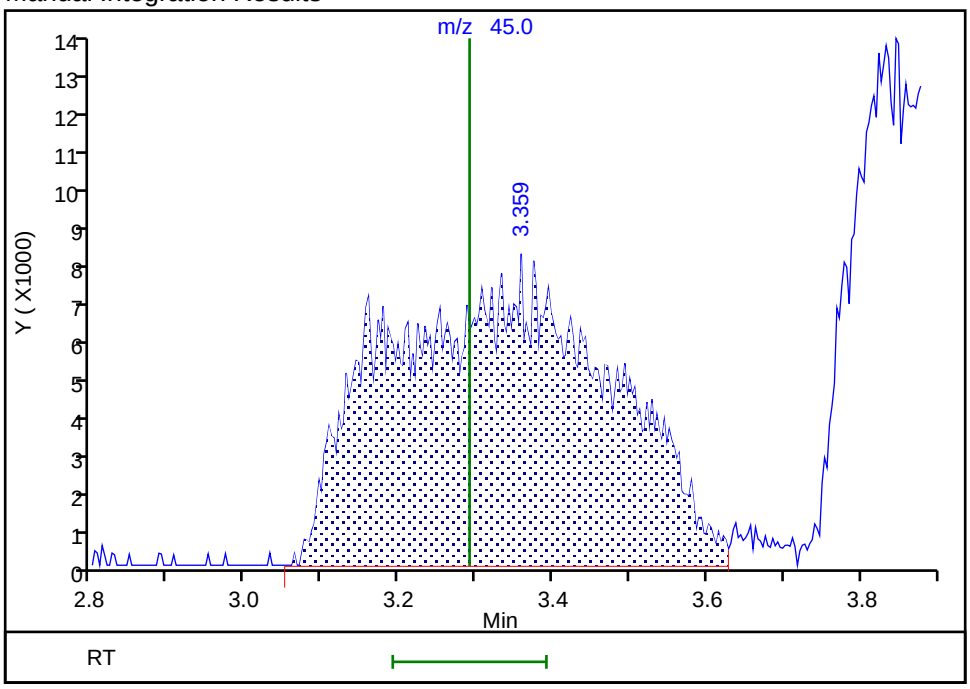
Not Detected
Expected RT: 3.29

Processing Integration Results



Manual Integration Results

RT: 3.36
Area: 149407
Amount: 1011.1000
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 08:43:41 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

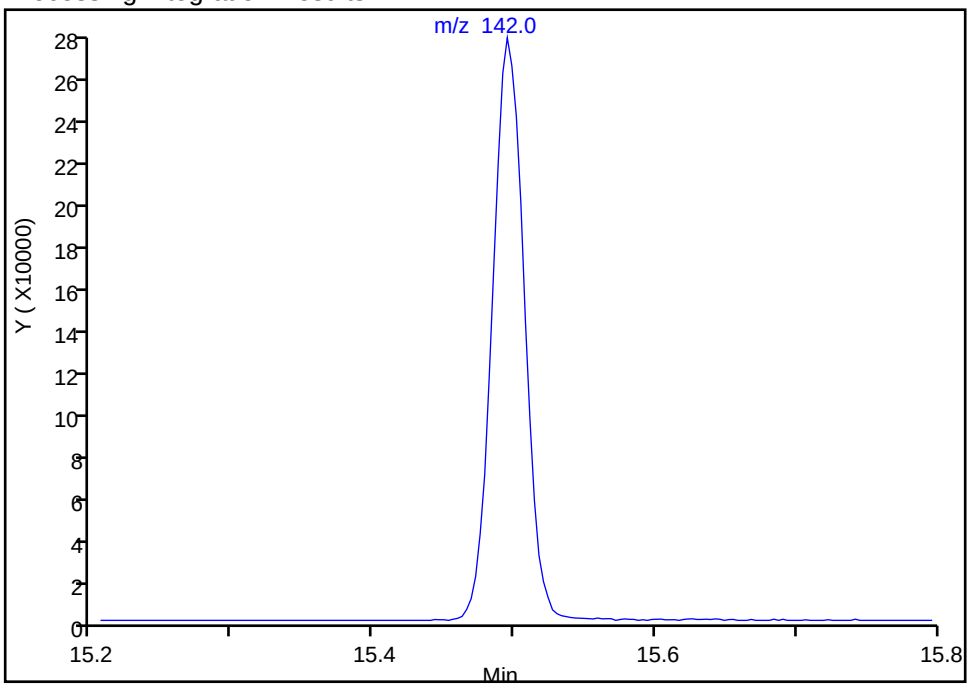
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X10.D				
Injection Date:	22-Apr-2025 20:20:30	Instrument ID:	9137		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	10	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

184 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

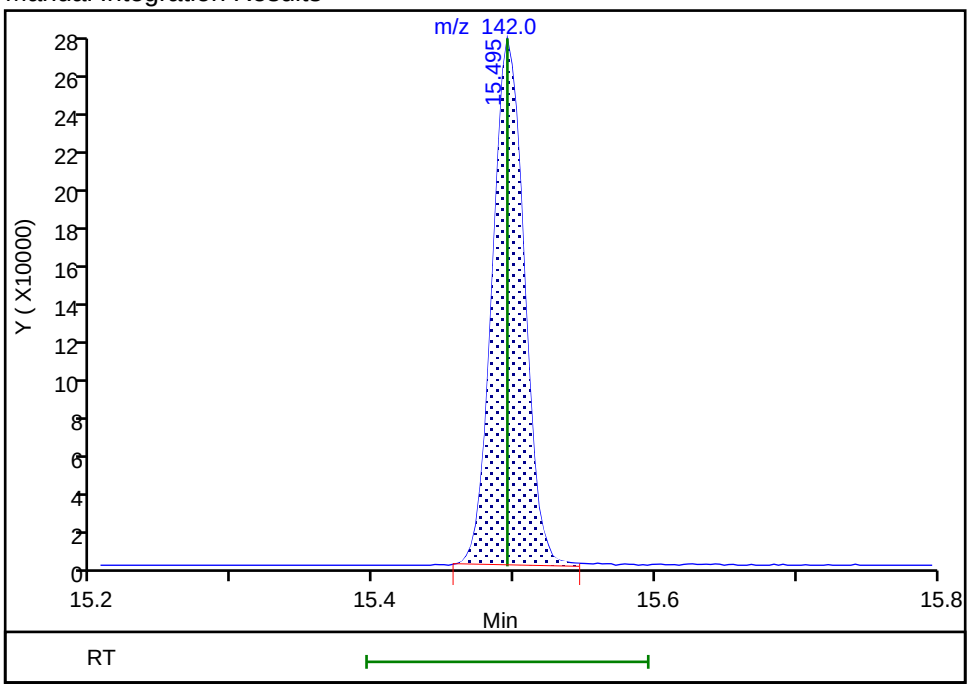
Not Detected
Expected RT: 15.49

Processing Integration Results



Manual Integration Results

RT: 15.49
Area: 431548
Amount: 24.410171
Amount Units: ug/l



Reviewer: DVW2, 23-Apr-2025 17:21:57 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-656473/3 Calibration Date: 06/12/2025 09:28

Instrument ID: 9137 Calib Start Date: 04/22/2025 17:25

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 04/22/2025 19:36

Lab File ID: WU12X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4629	0.4321	0.1000	46.7	50.0	-6.7	20.0
Chloromethane	Ave	0.4821	0.4011	0.1000	41.6	50.0	-16.8	20.0
Vinyl chloride	Ave	0.4671	0.4252	0.1000	45.5	50.0	-9.0	20.0
1,3-Butadiene	Ave	0.4742	0.4090		43.1	50.0	-13.7	20.0
Bromomethane	Ave	0.3350	0.3264	0.1000	48.7	50.0	-2.6	20.0
Chloroethane	Ave	0.2412	0.2336	0.1000	48.4	50.0	-3.2	20.0
Dichlorofluoromethane	Ave	0.7314	0.6622		45.3	50.0	-9.5	20.0
Trichlorofluoromethane	Ave	0.5597	0.5275	0.1000	47.1	50.0	-5.8	20.0
n-Pentane	Ave	0.4403	0.3806		43.2	50.0	-13.6	20.0
Ethanol	Ave	0.0838	0.0588		878	1250	-29.8*	20.0
Freon 123a	Ave	0.3252	0.3244		49.9	50.0	-0.2	20.0
Acrolein	Ave	1.085	1.320		594	488	21.6*	20.0
1,1-Dichloroethene	Ave	0.2452	0.2409	0.1000	49.1	50.0	-1.7	20.0
Acetone	Ave	0.6388	0.8272	0.1000	130	100	29.5*	20.0
Freon 113	Ave	0.3130	0.3016	0.1000	48.2	50.0	-3.6	20.0
Methyl iodide	Ave	0.5002	0.4594		45.9	50.0	-8.1	20.0
2-Propanol	Ave	0.8334	0.6921		208	250	-16.9	20.0
Carbon disulfide	Ave	0.9550	0.9201	0.1000	48.2	50.0	-3.6	20.0
Methyl acetate	Ave	0.3109	0.2542	0.1000	40.9	50.0	-18.2	20.0
Allyl chloride	Ave	0.3374	0.2989		44.3	50.0	-11.4	20.0
Methylene Chloride	Ave	0.2702	0.2630	0.1000	48.7	50.0	-2.7	20.0
t-Butyl alcohol	Ave	1.059	0.8627		204	250	-18.5	20.0
Acrylonitrile	Ave	0.1575	0.1488		118	125	-5.5	20.0
Methyl tertiary butyl ether	Ave	0.8337	0.6959	0.1000	41.7	50.0	-16.5	20.0
trans-1,2-Dichloroethene	Ave	0.2359	0.2275	0.1000	48.2	50.0	-3.6	20.0
n-Hexane	Ave	0.2988	0.2729		45.7	50.0	-8.7	20.0
1,1-Dichloroethane	Ave	0.4027	0.3716	0.2000	46.1	50.0	-7.7	20.0
Isopropyl ether	Ave	0.7476	0.6491		43.4	50.0	-13.2	20.0
2-Chloro-1,3-butadiene	Ave	0.3449	0.3217		46.6	50.0	-6.7	20.0
Ethyl t-butyl ether	Ave	0.7803	0.6582		42.2	50.0	-15.6	20.0
2-Butanone	Ave	0.2108	0.1789	0.1000	84.8	100	-15.2	20.0
cis-1,2-Dichloroethene	Ave	0.2672	0.2548	0.1000	47.7	50.0	-4.7	20.0
2,2-Dichloropropane	Ave	0.4143	0.3708		44.7	50.0	-10.5	20.0
Propionitrile	Ave	0.9215	1.169		317	250	26.9*	20.0
Methacrylonitrile	Ave	0.1480	0.1374		116	125	-7.1	20.0
Tetrahydrofuran	Ave	0.7894	1.018		322	250	29.0*	20.0
Bromochloromethane	Ave	0.1340	0.1254		46.8	50.0	-6.5	20.0
Chloroform	Ave	0.3976	0.3676	0.2000	46.2	50.0	-7.5	20.0
1,1,1-Trichloroethane	Ave	0.4218	0.3800	0.1000	45.0	50.0	-9.9	20.0
Cyclohexane	Ave	0.4785	0.4424	0.1000	46.2	50.0	-7.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-656473/3 Calibration Date: 06/12/2025 09:28

Instrument ID: 9137 Calib Start Date: 04/22/2025 17:25

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 04/22/2025 19:36

Lab File ID: WU12X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3452	0.3057		44.3	50.0	-11.5	20.0
Carbon tetrachloride	Ave	0.3577	0.3225	0.1000	45.1	50.0	-9.8	20.0
Isobutyl alcohol	Ave	0.3070	0.3108		633	625	1.2	20.0
Benzene	Ave	1.013	0.9281	0.5000	45.8	50.0	-8.4	20.0
1,2-Dichloroethane	Ave	0.3039	0.2535	0.1000	41.7	50.0	-16.6	20.0
t-Amyl methyl ether	Ave	0.7507	0.6548		43.6	50.0	-12.8	20.0
n-Heptane	Ave	0.2565	0.2313		45.1	50.0	-9.8	20.0
n-Butanol	Ave	0.2319	0.2288		617	625	-1.4	20.0
Trichloroethene	Ave	0.2535	0.2298	0.2000	45.3	50.0	-9.3	20.0
Methylcyclohexane	Ave	0.4387	0.4183	0.1000	47.7	50.0	-4.6	20.0
t-Amyl ethyl ether	Ave	0.3477	0.3209		46.1	50.0	-7.7	20.0
1,2-Dichloropropane	Ave	0.2469	0.2191	0.1000	44.4	50.0	-11.3	20.0
Methyl methacrylate	Ave	0.2110	0.1950		46.2	50.0	-7.6	20.0
1,4-Dioxane	Ave	0.0819	0.0681	0.0050	520	625	-16.8	20.0
Dibromomethane	Ave	0.1589	0.1476		46.5	50.0	-7.1	20.0
Bromodichloromethane	Ave	0.2873	0.2533	0.2000	44.1	50.0	-11.8	20.0
2-Nitropropane	Ave	1.147	1.427		311	250	24.4*	20.0
2-Chloroethyl vinyl ether	Ave	0.1642	0.1376		41.9	50.0	-16.2	20.0
cis-1,3-Dichloropropene	Ave	0.3479	0.3103	0.2000	44.6	50.0	-10.8	20.0
4-Methyl-2-pentanone	Ave	0.4122	0.3796	0.1000	92.1	100	-7.9	20.0
Toluene	Ave	0.8339	0.7845	0.4000	47.0	50.0	-5.9	20.0
trans-1,3-Dichloropropene	Ave	0.4229	0.3763	0.1000	44.5	50.0	-11.0	20.0
Ethyl methacrylate	Ave	0.4971	0.4717		47.4	50.0	-5.1	20.0
1,1,2-Trichloroethane	Ave	0.3008	0.2822	0.1000	46.9	50.0	-6.2	20.0
Tetrachloroethene	Ave	0.3532	0.3251	0.2000	46.0	50.0	-8.0	20.0
1,3-Dichloropropane	Ave	0.4885	0.4430		45.3	50.0	-9.3	20.0
2-Hexanone	Ave	0.3768	0.3535	0.1000	93.8	100	-6.2	20.0
Dibromochloromethane	Ave	0.3198	0.2926		45.7	50.0	-8.5	20.0
1,2-Dibromoethane	Ave	0.3130	0.2948	0.1000	47.1	50.0	-5.8	20.0
1-Chlorohexane	Ave	0.4319	0.3905		45.2	50.0	-9.6	20.0
Chlorobenzene	Ave	0.9036	0.8345	0.5000	46.2	50.0	-7.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3566	0.3344		46.9	50.0	-6.2	20.0
Ethylbenzene	Ave	1.693	1.555	0.1000	45.9	50.0	-8.2	20.0
m&p-Xylene	Ave	0.6517	0.6192	0.1000	95.0	100	-5.0	20.0
o-Xylene	Ave	0.6856	0.6366	0.3000	46.4	50.0	-7.2	20.0
Styrene	Ave	1.006	0.9354	0.3000	46.5	50.0	-7.0	20.0
Bromoform	Ave	0.2463	0.2199	0.1000	44.6	50.0	-10.7	20.0
Isopropylbenzene	Ave	1.591	1.505	0.1000	47.3	50.0	-5.4	20.0
1,1,2,2-Tetrachloroethane	Ave	1.064	1.061	0.3000	49.8	50.0	-0.3	20.0
Bromobenzene	Ave	0.6962	0.6541		47.0	50.0	-6.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-656473/3 Calibration Date: 06/12/2025 09:28

Instrument ID: 9137 Calib Start Date: 04/22/2025 17:25

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 04/22/2025 19:36

Lab File ID: WU12X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,4-Dichloro-2-butene	Ave	0.2720	0.2142		98.5	125	-21.2*	20.0
1,2,3-Trichloropropane	Ave	0.3303	0.3190		48.3	50.0	-3.4	20.0
N-Propylbenzene	Ave	3.455	3.355		48.6	50.0	-2.9	20.0
2-Chlorotoluene	Ave	0.7194	0.6895		47.9	50.0	-4.1	20.0
1,3,5-Trimethylbenzene	Ave	2.507	2.423		48.3	50.0	-3.3	20.0
4-Chlorotoluene	Ave	0.6939	0.6503		46.9	50.0	-6.3	20.0
tert-Butylbenzene	Ave	0.4672	0.4520		48.4	50.0	-3.3	20.0
1,2,4-Trimethylbenzene	Ave	2.598	2.461		47.4	50.0	-5.3	20.0
sec-Butylbenzene	Ave	3.044	3.028		49.7	50.0	-0.5	20.0
1,3-Dichlorobenzene	Ave	1.329	1.236	0.6000	46.5	50.0	-7.0	20.0
p-Isopropyltoluene	Ave	2.636	2.569		48.7	50.0	-2.5	20.0
1,4-Dichlorobenzene	Ave	1.373	1.261	0.5000	45.9	50.0	-8.1	20.0
1,2,3-Trimethylbenzene	Ave	2.762	2.614		47.3	50.0	-5.4	20.0
Benzyl chloride	Ave	1.905	1.899		49.8	50.0	-0.3	20.0
1,3-Diethylbenzene	Ave	1.529	1.464		47.9	50.0	-4.3	20.0
1,4-Diethylbenzene	Ave	1.607	1.540		47.9	50.0	-4.2	20.0
n-Butylbenzene	Ave	1.284	1.271		49.5	50.0	-1.0	20.0
1,2-Dichlorobenzene	Ave	1.453	1.337	0.4000	46.0	50.0	-8.0	20.0
1,2-Diethylbenzene	Ave	1.320	1.255		47.5	50.0	-5.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.3173	0.2835	0.0500	44.7	50.0	-10.7	20.0
1,3,5-Trichlorobenzene	Ave	0.999	0.8711		43.6	50.0	-12.8	20.0
1,2,4-Trichlorobenzene	Ave	1.011	0.8291	0.2000	41.0	50.0	-18.0	20.0
Hexachlorobutadiene	Ave	0.3410	0.2905		42.6	50.0	-14.8	20.0
Naphthalene	Ave	4.280	3.693		43.1	50.0	-13.7	20.0
1,2,3-Trichlorobenzene	Ave	1.037	0.8709		42.0	50.0	-16.0	20.0
2-Methylnaphthalene	Ave	1.926	1.665		43.2	50.0	-13.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2341	0.2358		50.4	50.0	0.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0593	0.0575		48.4	50.0	-3.1	20.0
Toluene-d8 (Surr)	Ave	1.294	1.333		51.5	50.0	3.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4952	0.4667		47.1	50.0	-5.8	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X02.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 12-Jun-2025 09:28:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0150115-003
Misc. Info.: CCVIS
Operator ID: CLM27445 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub33

Method: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 13-Jun-2025 07:47:11 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1708

First Level Reviewer: TQ4J Date: 12-Jun-2025 09:53:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	1.985	1.985	0.000	99	484854	50.0	46.7	
7 Chloromethane	50	2.188	2.188	0.000	100	450080	50.0	41.6	
8 Vinyl chloride	62	2.303	2.303	0.000	98	477095	50.0	45.5	
9 Butadiene	39	2.306	2.306	0.000	91	458904	50.0	43.1	
11 Bromomethane	94	2.662	2.662	0.000	90	366244	50.0	48.7	
13 Chloroethane	64	2.730	2.730	0.000	99	262142	50.0	48.4	
14 Dichlorofluoromethane	67	2.999	2.999	0.000	97	743091	50.0	45.3	
15 Trichlorofluoromethane	101	3.057	3.057	0.000	98	591920	50.0	47.1	
16 Pentane	43	3.089	3.089	0.000	98	427110	50.0	43.2	
17 Ethanol	45	3.176	3.176	0.000	31	92095	1250.0	878.0	a
19 1,2-Dichloro-1,1,2-trifluoroetha	67	3.410	3.410	0.000	90	364054	50.0	49.9	
20 Acrolein	56	3.484	3.484	0.000	99	806514	487.9	593.5	
21 1,1-Dichloroethene	96	3.635	3.635	0.000	97	270299	50.0	49.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.664	3.664	0.000	94	338416	50.0	48.2	
22 Acetone	58	3.651	3.651	0.000	57	103592	100.0	129.5	
26 Iodomethane	142	3.840	3.840	0.000	96	515546	50.0	45.9	
25 Isopropyl alcohol	45	3.866	3.866	0.000	29	216687	250.0	207.6	M
27 Carbon disulfide	76	3.956	3.956	0.000	98	1032476	50.0	48.2	
29 Methyl acetate	43	4.094	4.094	0.000	96	285271	50.0	40.9	
30 3-Chloro-1-propene	41	4.116	4.116	0.000	94	335357	50.0	44.3	
35 Methylene Chloride	84	4.318	4.318	0.000	89	295094	50.0	48.7	
* 34 t-Butyl alcohol-d10 (IS)	65	4.338	4.338	0.000	91	313071	250.0	250.0	
36 2-Methyl-2-propanol	59	4.453	4.453	0.000	97	270075	250.0	203.7	
37 Acrylonitrile	53	4.658	4.658	0.000	99	417474	125.0	118.1	
38 Methyl tert-butyl ether	73	4.726	4.726	0.000	90	780889	50.0	41.7	
39 trans-1,2-Dichloroethene	96	4.729	4.729	0.000	98	255293	50.0	48.2	
40 Hexane	57	5.156	5.156	0.000	89	306174	50.0	45.7	
41 1,1-Dichloroethane	63	5.400	5.400	0.000	96	416952	50.0	46.1	
43 Isopropyl ether	45	5.454	5.454	0.000	95	728372	50.0	43.4	
44 2-Chloro-1,3-butadiene	53	5.502	5.502	0.000	90	361043	50.0	46.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Tert-butyl ethyl ether	59	5.993	5.993	0.000	97	738629	50.0	42.2	
47 2-Butanone (MEK)	43	6.192	6.192	0.000	100	401393	100.0	84.8	
48 cis-1,2-Dichloroethene	96	6.234	6.234	0.000	81	285865	50.0	47.7	
49 2,2-Dichloropropane	77	6.256	6.256	0.000	87	416055	50.0	44.7	
51 Propionitrile	54	6.298	6.298	0.000	98	366005	250.0	317.2	
54 Methacrylonitrile	67	6.504	6.504	0.000	88	385512	125.0	116.1	
56 Tetrahydrofuran	71	6.561	6.561	0.000	82	318727	250.0	322.4	
55 Chlorobromomethane	128	6.571	6.571	0.000	82	140662	50.0	46.8	
57 Chloroform	83	6.722	6.722	0.000	94	412522	50.0	46.2	
$ 58 Dibromofluoromethane (Surr)	113	6.937	6.937	0.000	94	264646	50.0	50.4	
59 1,1,1-Trichloroethane	97	6.946	6.946	0.000	98	426454	50.0	45.0	
60 Cyclohexane	56	7.046	7.046	0.000	89	496415	50.0	46.2	
61 Carbon tetrachloride	117	7.161	7.161	0.000	92	361887	50.0	45.1	
63 1,1-Dichloropropene	75	7.161	7.161	0.000	96	343026	50.0	44.3	
$ 66 1,2-Dichloroethane-d4 (Surr)	102	7.389	7.389	0.000	95	64491	50.0	48.4	
65 Isobutyl alcohol	41	7.322	7.322	0.000	95	243225	625.0	632.6	
67 Benzene	78	7.424	7.424	0.000	96	1041404	50.0	45.8	
68 1,2-Dichloroethane	62	7.489	7.489	0.000	97	284405	50.0	41.7	
71 Tert-amyl methyl ether	73	7.614	7.614	0.000	98	734796	50.0	43.6	
* 74 Fluorobenzene (IS)	96	7.829	7.829	0.000	99	1122132	50.0	50.0	
75 n-Heptane	43	7.842	7.842	0.000	87	259509	50.0	45.1	
76 n-Butanol	56	8.201	8.201	0.000	88	179077	625.0	616.5	
77 Trichloroethene	95	8.301	8.301	0.000	99	257883	50.0	45.3	
79 Methylcyclohexane	83	8.612	8.612	0.000	89	469400	50.0	47.7	
80 1,2-Dichloropropane	63	8.644	8.644	0.000	77	245812	50.0	44.4	
81 2-ethoxy-2-methyl butane	87	8.641	8.641	0.000	93	360069	50.0	46.1	
82 Methyl methacrylate	69	8.724	8.724	0.000	89	218835	50.0	46.2	
83 1,4-Dioxane	88	8.734	8.734	0.000	33	53298	625.0	519.7	M
84 Dibromomethane	93	8.753	8.753	0.000	97	165648	50.0	46.5	
86 Dichlorobromomethane	83	8.990	8.990	0.000	99	284207	50.0	44.1	
87 2-Nitropropane	41	9.270	9.270	0.000	98	446820	250.0	311.0	
89 2-Chloroethyl vinyl ether	63	9.343	9.343	0.000	90	154366	50.0	41.9	
92 cis-1,3-Dichloropropene	75	9.530	9.530	0.000	97	348245	50.0	44.6	
93 4-Methyl-2-pentanone (MIBK)	43	9.706	9.706	0.000	96	851895	100.0	92.1	
$ 95 Toluene-d8 (Surr)	98	9.831	9.831	0.000	93	1087407	50.0	51.5	
98 Toluene	92	9.908	9.908	0.000	98	639806	50.0	47.0	
125 trans-1,3-Dichloropropene	75	10.162	10.162	0.000	91	306865	50.0	44.5	
127 Ethyl methacrylate	69	10.223	10.223	0.000	87	384692	50.0	47.4	
129 1,1,2-Trichloroethane	97	10.367	10.367	0.000	89	230130	50.0	46.9	
130 Tetrachloroethene	166	10.450	10.450	0.000	98	265101	50.0	46.0	
131 1,3-Dichloropropane	76	10.528	10.528	0.000	88	361261	50.0	45.3	
134 2-Hexanone	43	10.582	10.582	0.000	96	576614	100.0	93.8	
136 Chlorodibromomethane	129	10.739	10.739	0.000	90	238641	50.0	45.7	
137 Ethylene Dibromide	107	10.852	10.852	0.000	98	240418	50.0	47.1	
* 139 Chlorobenzene-d5 (IS)	117	11.282	11.282	0.000	84	815530	50.0	50.0	
140 1-Chlorohexane	91	11.288	11.288	0.000	94	318438	50.0	45.2	
141 Chlorobenzene	112	11.307	11.307	0.000	96	680581	50.0	46.2	
142 1,1,1,2-Tetrachloroethane	131	11.387	11.387	0.000	97	272707	50.0	46.9	
143 Ethylbenzene	91	11.391	11.391	0.000	97	1267847	50.0	45.9	
144 m-Xylene & p-Xylene	106	11.506	11.506	0.000	100	1010013	100.0	95.0	
146 o-Xylene	106	11.834	11.834	0.000	96	519155	50.0	46.4	
147 Styrene	104	11.850	11.850	0.000	94	762849	50.0	46.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
148 Bromoform	173	12.004	12.004	0.000	96	179332	50.0	44.6	
149 Isopropylbenzene	105	12.135	12.135	0.000	95	1227303	50.0	47.3	
$ 152 4-Bromofluorobenzene (Surr)	95	12.276	12.276	0.000	90	380600	50.0	47.1	
153 1,1,2,2-Tetrachloroethane	83	12.379	12.379	0.000	95	482864	50.0	49.8	
154 Bromobenzene	156	12.395	12.395	0.000	97	297662	50.0	47.0	
155 trans-1,4-Dichloro-2-butene	53	12.405	12.405	0.000	87	243732	125.0	98.5	
156 1,2,3-Trichloropropane	110	12.424	12.424	0.000	85	145193	50.0	48.3	
157 N-Propylbenzene	91	12.462	12.462	0.000	99	1526868	50.0	48.6	
158 2-Chlorotoluene	126	12.539	12.539	0.000	97	313795	50.0	47.9	
159 1,3,5-Trimethylbenzene	105	12.594	12.594	0.000	94	1102763	50.0	48.3	
160 4-Chlorotoluene	126	12.633	12.633	0.000	96	295928	50.0	46.9	
161 tert-Butylbenzene	134	12.838	12.838	0.000	92	205682	50.0	48.4	
163 1,2,4-Trimethylbenzene	105	12.880	12.880	0.000	97	1119900	50.0	47.4	
164 sec-Butylbenzene	105	13.002	13.002	0.000	95	1378121	50.0	49.7	
166 1,3-Dichlorobenzene	146	13.101	13.101	0.000	98	562468	50.0	46.5	
167 4-Isopropyltoluene	119	13.107	13.107	0.000	97	1169087	50.0	48.7	
* 168 1,4-Dichlorobenzene-d4	152	13.156	13.156	0.000	95	455095	50.0	50.0	
170 1,4-Dichlorobenzene	146	13.175	13.175	0.000	95	574002	50.0	45.9	
171 1,2,3-Trimethylbenzene	105	13.184	13.184	0.000	98	1189754	50.0	47.3	
172 Benzyl chloride	91	13.252	13.252	0.000	98	864087	50.0	49.8	
173 1,3-Diethylbenzene	119	13.310	13.310	0.000	95	666245	50.0	47.9	
174 p-Diethylbenzene	119	13.380	13.380	0.000	96	700730	50.0	47.9	
175 n-Butylbenzene	92	13.399	13.399	0.000	97	578446	50.0	49.5	
176 1,2-Dichlorobenzene	146	13.435	13.435	0.000	99	608393	50.0	46.0	
177 o-diethylbenzene	119	13.454	13.454	0.000	95	570969	50.0	47.5	
179 1,2-Dibromo-3-Chloropropane	75	13.980	13.980	0.000	86	129002	50.0	44.7	
180 1,3,5-Trichlorobenzene	180	14.102	14.102	0.000	97	396430	50.0	43.6	
181 1,2,4-Trichlorobenzene	180	14.529	14.529	0.000	94	377312	50.0	41.0	
183 Hexachlorobutadiene	225	14.609	14.609	0.000	98	132186	50.0	42.6	
184 Naphthalene	128	14.712	14.712	0.000	96	1680825	50.0	43.1	
185 1,2,3-Trichlorobenzene	180	14.856	14.856	0.000	96	396363	50.0	42.0	
186 2-Methylnaphthalene	142	15.492	15.492	0.000	93	757670	50.0	43.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#3_00240	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00231	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#1_00239	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_01073	Amount Added:	2.50	Units: uL	
MSV_CCV_ETOH_00009	Amount Added:	10.00	Units: uL	
MSV_Cent_ISSS_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 13-Jun-2025 07:47:11 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X02.D

Injection Date: 12-Jun-2025 09:28:30 Instrument ID: 9137 Operator ID: CLM27445

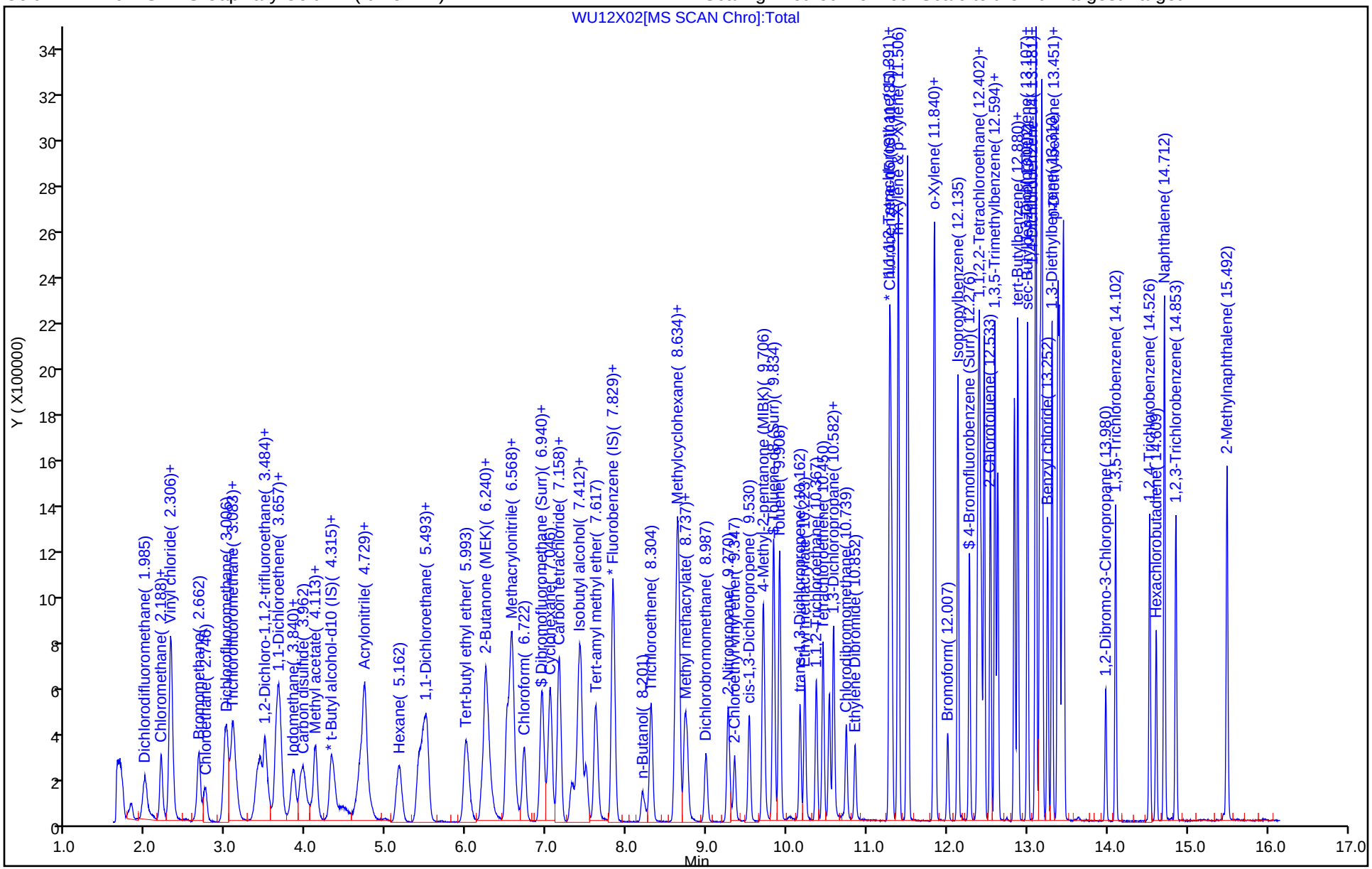
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_9137 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

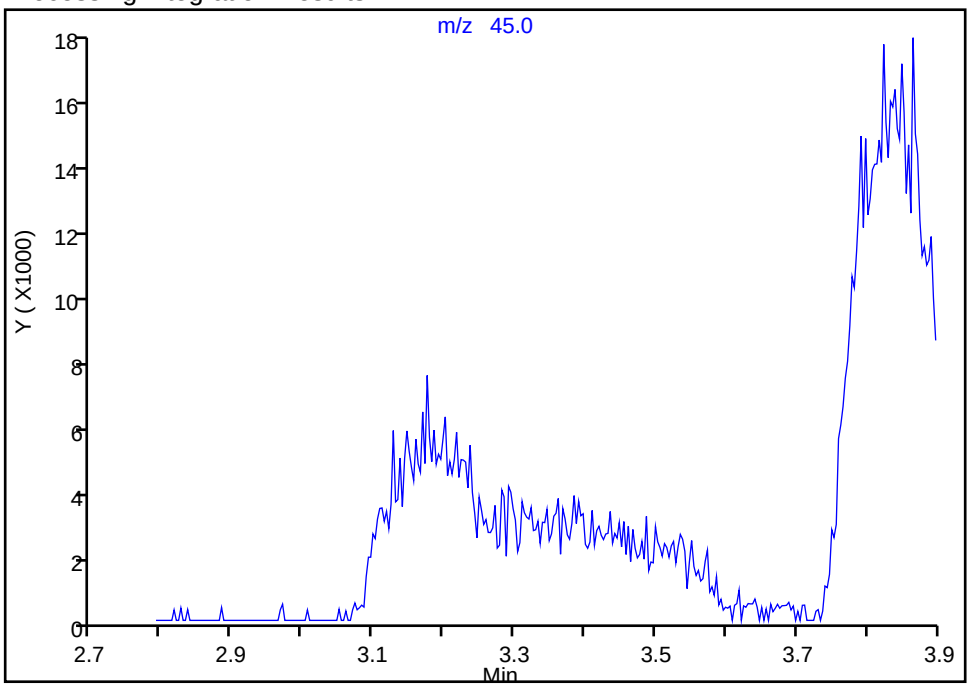
Data File:	\\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X02.D				
Injection Date:	12-Jun-2025 09:28:30	Instrument ID:	9137		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

17 Ethanol, CAS: 64-17-5

Signal: 1

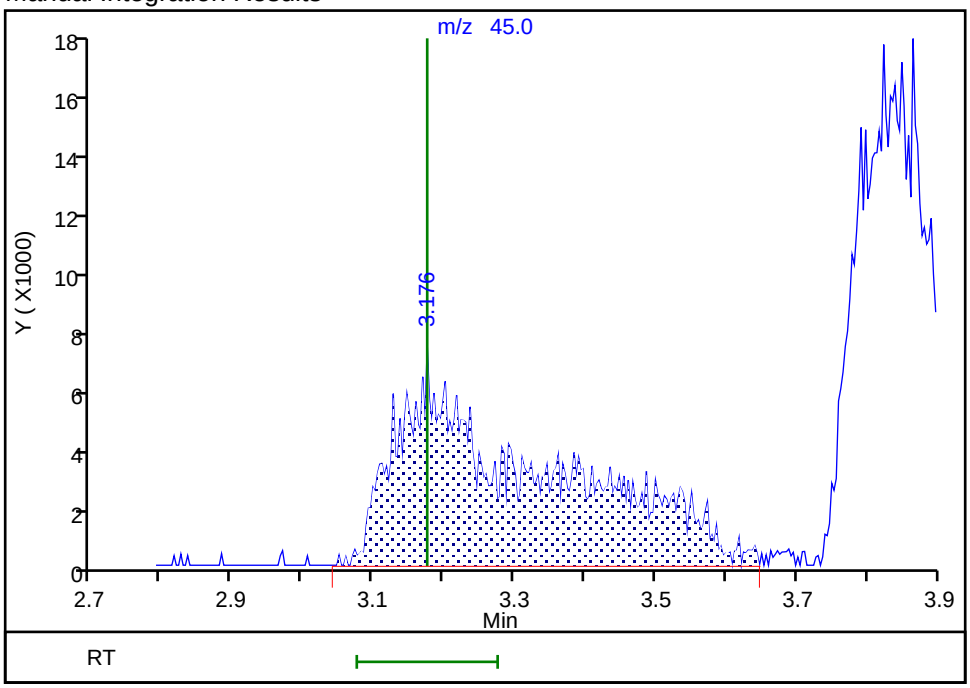
Not Detected
Expected RT: 3.18

Processing Integration Results



Manual Integration Results

RT: 3.18
Area: 92095
Amount: 878.0117
Amount Units: ug/l



Reviewer: TQ4J, 12-Jun-2025 09:52:01 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

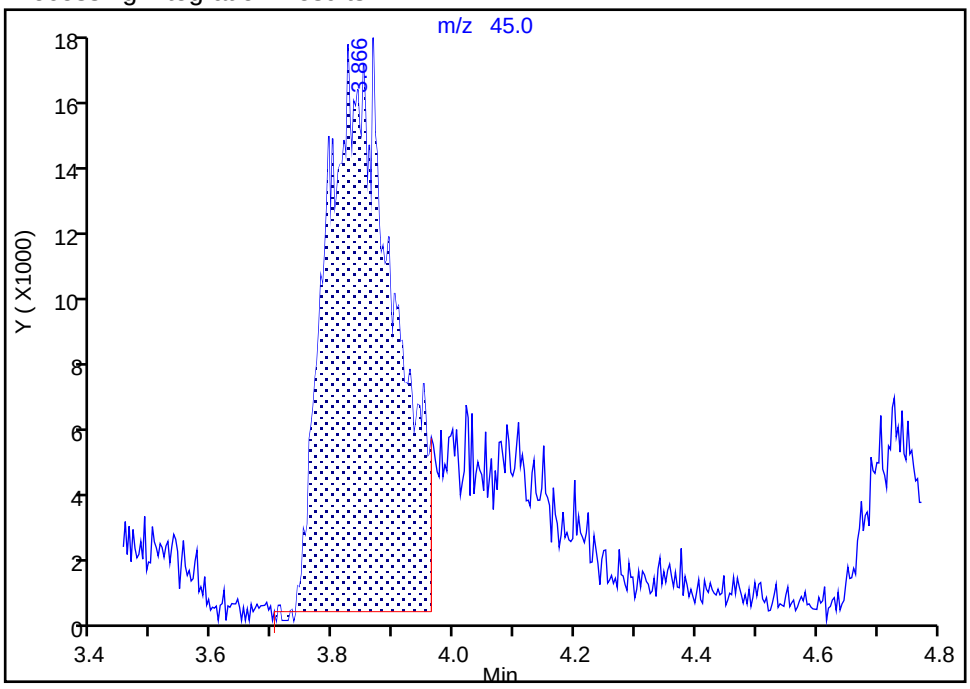
Data File:	\\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X02.D				
Injection Date:	12-Jun-2025 09:28:30	Instrument ID:	9137		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

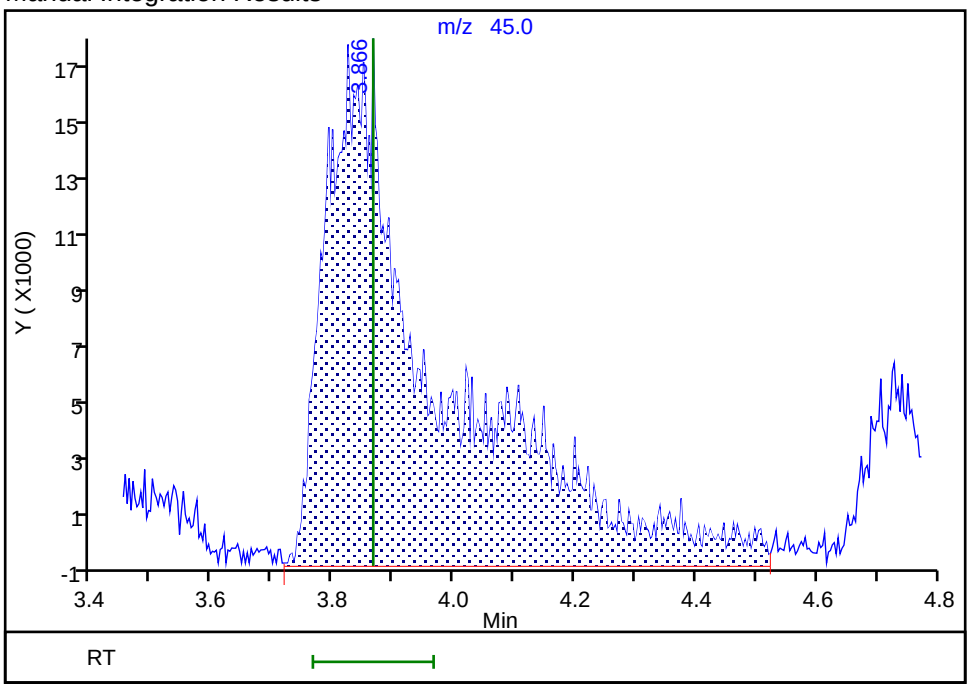
Processing Integration Results

RT: 3.87
Area: 126608
Amount: 121.3174
Amount Units: ug/l



Manual Integration Results

RT: 3.87
Area: 216687
Amount: 207.6323
Amount Units: ug/l



Reviewer: TQ4J, 12-Jun-2025 09:52:37 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

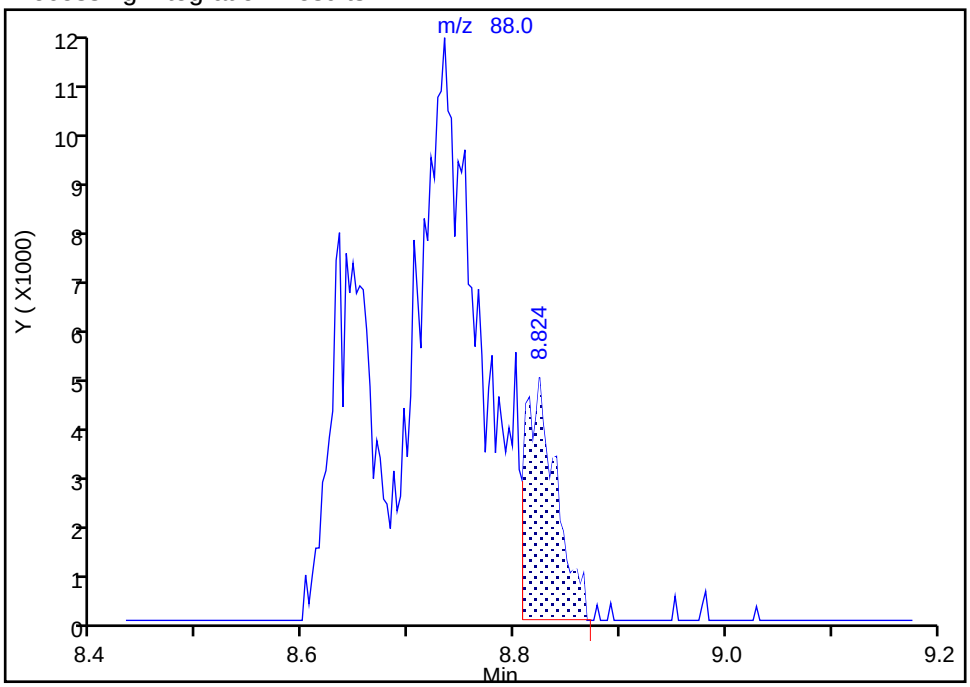
Data File:	\\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X02.D				
Injection Date:	12-Jun-2025 09:28:30	Instrument ID:	9137		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

83 1,4-Dioxane, CAS: 123-91-1

Signal: 1

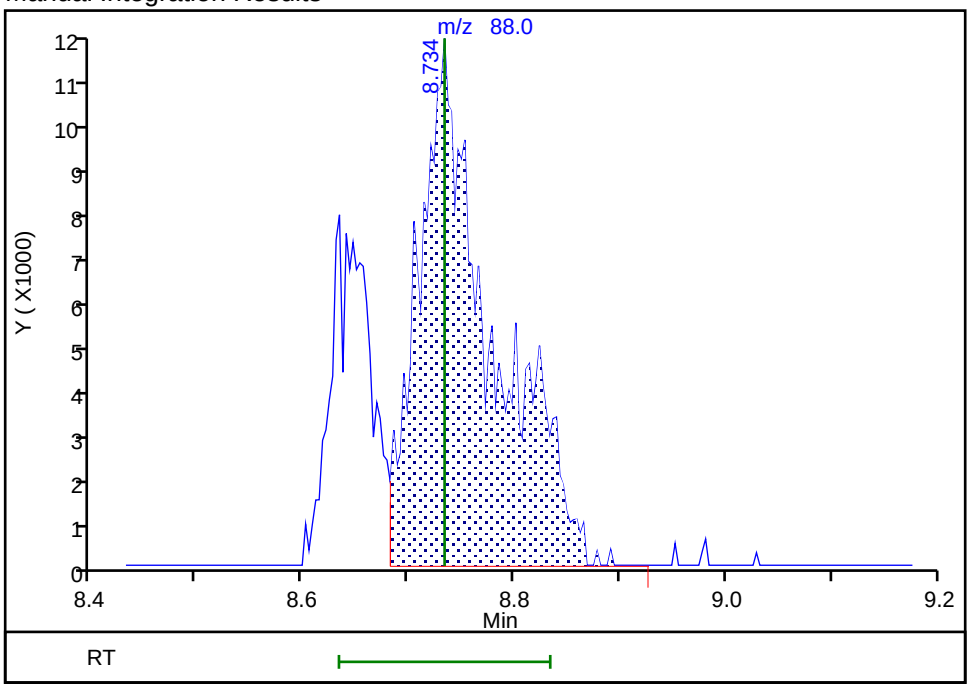
Processing Integration Results

RT: 8.82
Area: 9284
Amount: 90.525629
Amount Units: ug/l



Manual Integration Results

RT: 8.73
Area: 53298
Amount: 519.6936
Amount Units: ug/l



Reviewer: TQ4J, 12-Jun-2025 09:52:59 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 07-Apr-2025 14:11:16 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB Tune
Misc. Info.: 410-0143206-001
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 07-Apr-2025 18:33:16 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1709

First Level Reviewer: DVW2 Date: 07-Apr-2025 15:18:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 38 BFB	95	3.450	3.450	0.000	0	365123	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

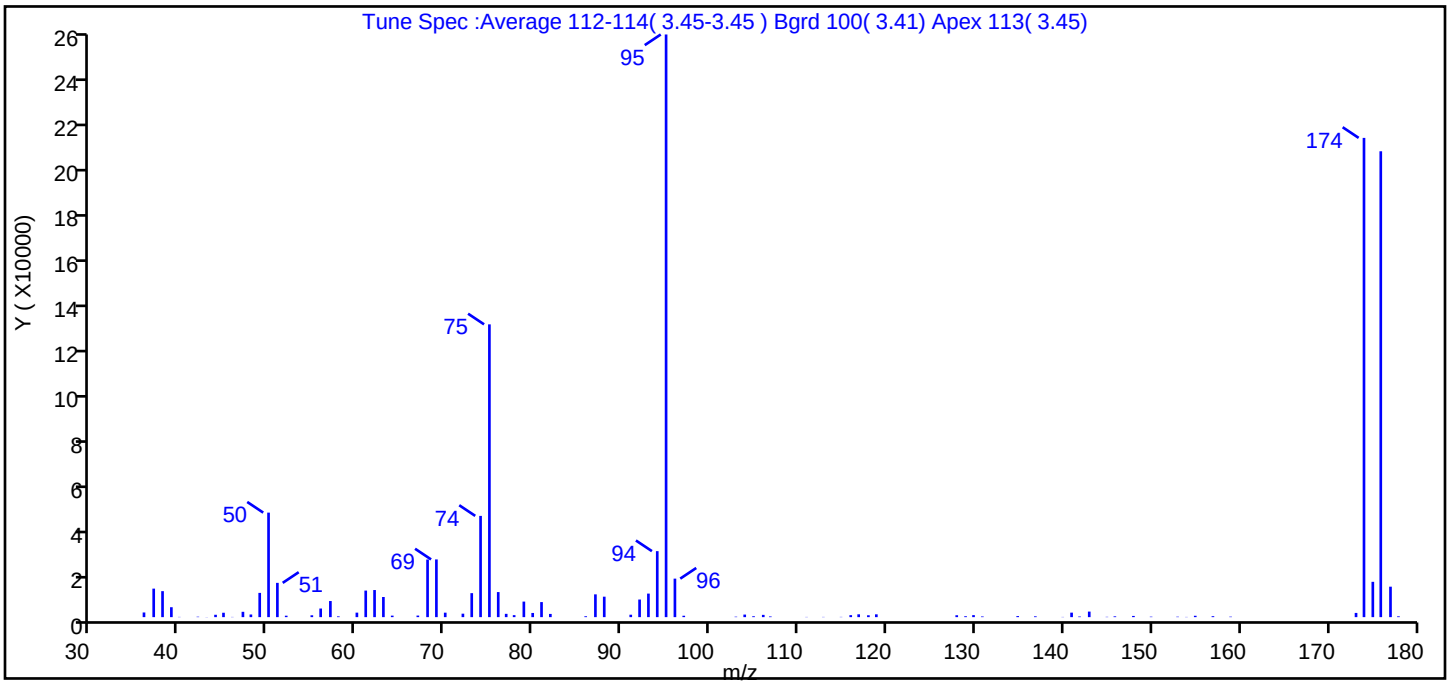
MSV_V_BFB_00018 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07T01.D				
Injection Date:	07-Apr-2025 14:11:16	Instrument ID:	15830		
Lims ID:	bfb				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 38 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.9
75	30 to 60% of m/z 95	50.2
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.7 (0.9)
174	50 to 120% of m/z 95	82.3
175	5 to 9% of m/z 174	6.1 (7.4)
176	Greater than 95% but less than 101% of m/z 174	80.0 (97.2)
177	5 to 9% of m/z 176	5.2 (6.5)

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07T01.D\MSVoa_15830_PT2.rslt\spectra.c
Injection Date: 07-Apr-2025 14:11:16
Spectrum: Tune Spec :Average 112-114(3.45-3.45) Bgrd 100(3.41) Apex 113(3.45)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 87

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2054	62.00	11927	92.00	7753	135.00	465
37.00	12546	63.00	8864	93.00	10364	137.00	359
38.00	11436	64.00	668	94.00	29040	140.00	92
39.00	4366	67.00	691	95.00	256384	141.00	1983
40.00	100	68.00	25344	96.00	16944	142.00	271
42.00	191	69.00	25400	97.00	616	143.00	2444
43.00	56	70.00	1967	103.00	205	145.00	136
44.00	1043	72.00	1527	104.00	1130	146.00	350
45.00	1934	73.00	10558	105.00	390	148.00	529
46.00	93	74.00	44552	106.00	1004	150.00	209
47.00	2351	75.00	128832	107.00	293	153.00	195
48.00	1167	76.00	11029	111.00	92	154.00	93
49.00	10671	77.00	1455	113.00	99	155.00	602
50.00	45992	78.00	879	115.00	109	157.00	413
51.00	15084	79.00	6843	116.00	878	159.00	211
52.00	636	80.00	1839	117.00	1245	173.00	1858
55.00	817	81.00	6628	118.00	829	174.00	210880
56.00	3795	82.00	1418	119.00	1240	175.00	15541
57.00	7089	86.00	389	128.00	837	176.00	204992
58.00	336	87.00	10028	129.00	398	177.00	13403
60.00	1980	88.00	9005	130.00	887	178.00	354
61.00	11687	91.00	1071	131.00	297		

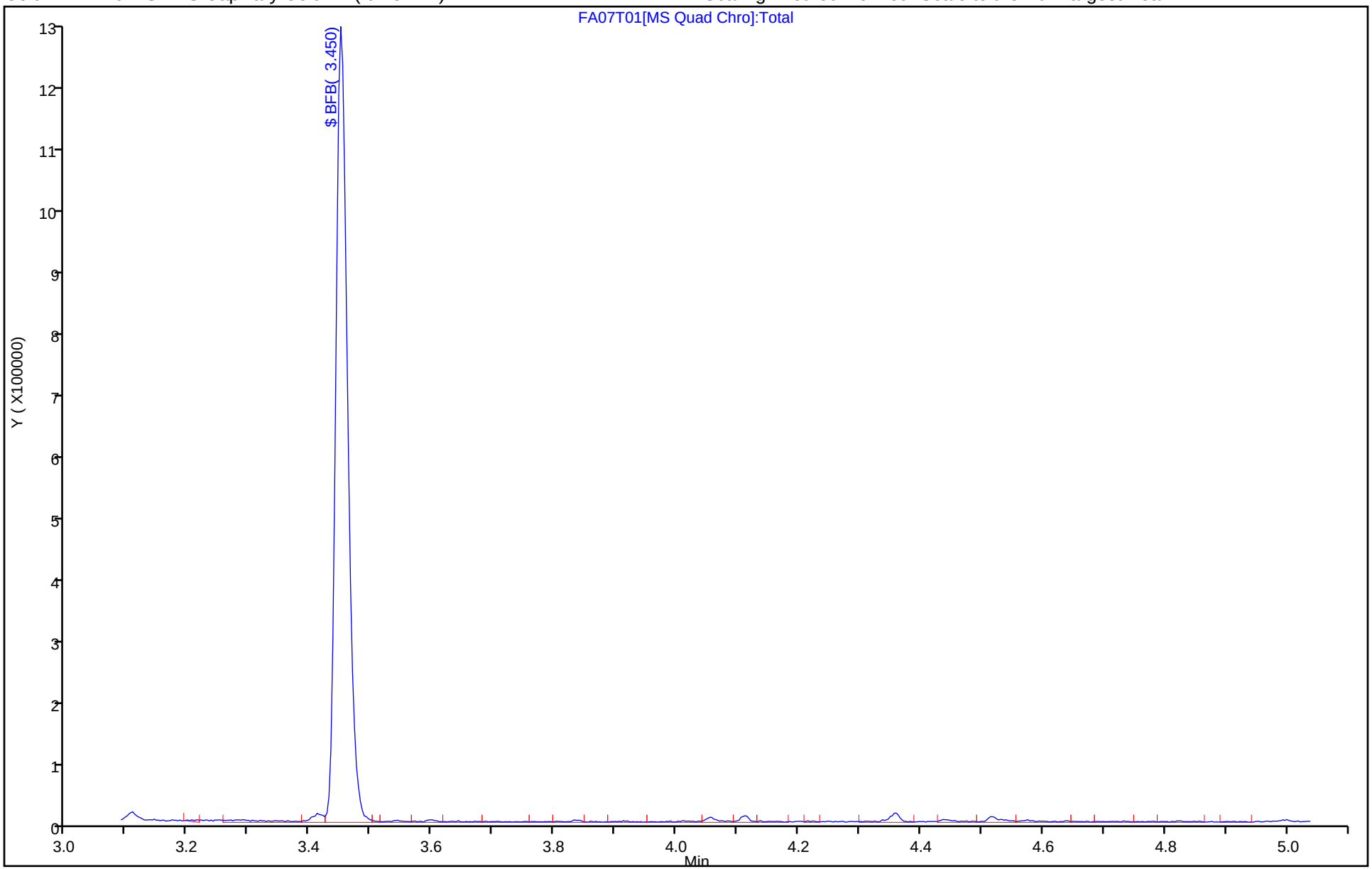
Report Date: 07-Apr-2025 18:33:16 Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07T01.D

Injection Date:	07-Apr-2025 14:11:16	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10T31.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 10-Jun-2025 12:29:45 ALS Bottle#: 51 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 410-0149863-001
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 10-Jun-2025 15:41:00 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 38 BFB	95	3.450	3.450	0.000	0	1179622	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

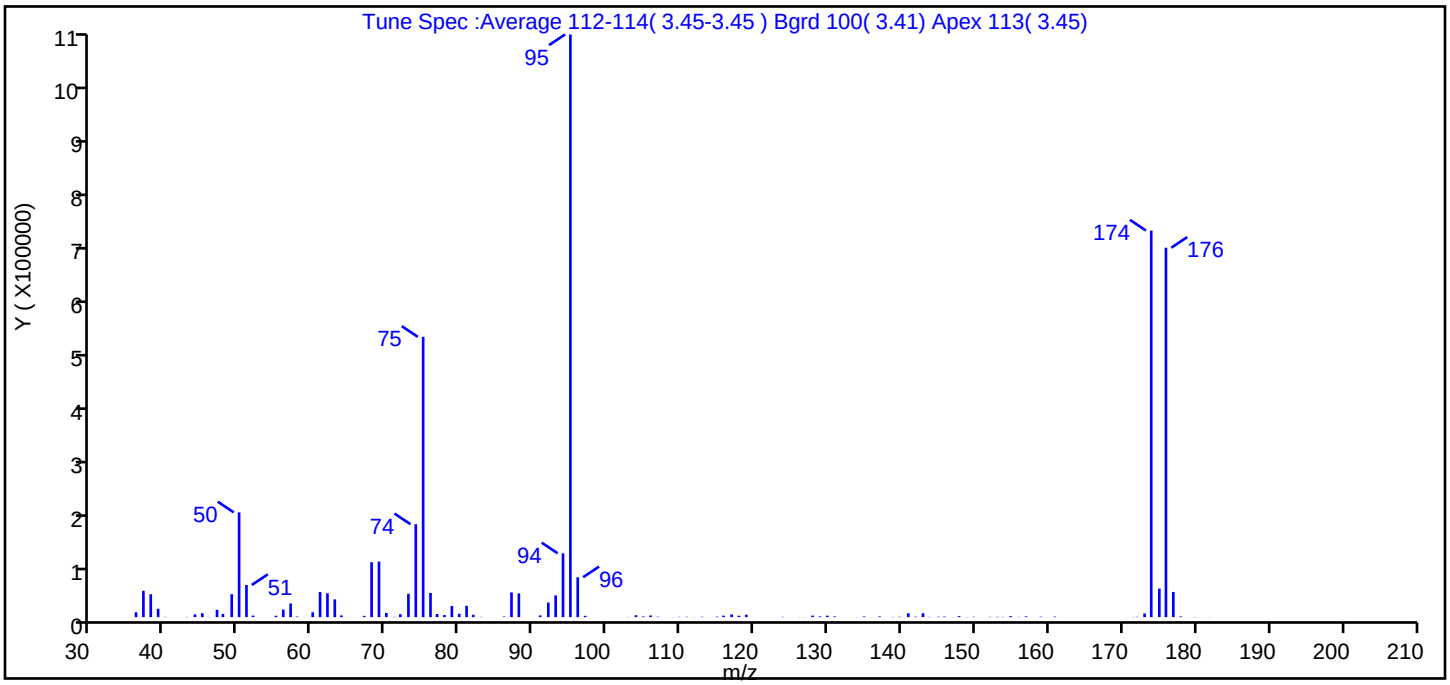
MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10T31.D				
Injection Date:	10-Jun-2025 12:29:45	Instrument ID:	15830		
Lims ID:	BFB				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	51	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 38 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.0
75	30 to 60% of m/z 95	48.1
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.6 (0.9)
174	50 to 120% of m/z 95	66.4
175	5 to 9% of m/z 174	4.9 (7.4)
176	Greater than 95% but less than 101% of m/z 174	63.4 (95.5)
177	5 to 9% of m/z 176	4.3 (6.8)

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10T31.D\MSVoa_15830_PT2.rslt\spectra.c
Injection Date: 10-Jun-2025 12:29:45
Spectrum: Tune Spec :Average 112-114(3.45-3.45) Bgrd 100(3.41) Apex 113(3.45)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 116

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	97	69.00	98080	107.00	775	144.00	487
36.00	8614	70.00	7441	109.00	128	145.00	783
37.00	46536	71.00	487	110.00	546	146.00	1036
38.00	40400	72.00	5175	111.00	650	147.00	280
39.00	14755	73.00	41296	112.00	270	148.00	1814
40.00	429	74.00	164224	113.00	718	149.00	351
43.00	439	75.00	495232	115.00	914	150.00	673
44.00	4922	76.00	42736	116.00	2690	152.00	552
45.00	6949	77.00	5517	117.00	4826	153.00	633
46.00	389	78.00	3693	118.00	2540	154.00	480
47.00	13063	79.00	19880	119.00	4227	155.00	1745
48.00	5715	80.00	6006	120.00	118	156.00	515
49.00	40520	81.00	20048	122.00	93	157.00	1378
50.00	185088	82.00	4181	124.00	590	159.00	800
51.00	56792	83.00	481	126.00	209	160.00	111
52.00	2759	86.00	1107	127.00	188	161.00	953
55.00	2495	87.00	43704	128.00	2723	169.00	105
56.00	13381	88.00	41896	129.00	1333	171.00	141
57.00	24048	91.00	3060	130.00	2664	172.00	401
58.00	989	92.00	25768	131.00	1323	172.00	571
59.00	116	93.00	38464	134.00	157	173.00	6376
60.00	8558	94.00	112752	135.00	1220	174.00	683072
61.00	44392	95.00	1029440	136.00	241	175.00	50440
62.00	42192	96.00	70504	137.00	1252	176.00	652672
63.00	31376	97.00	2368	139.00	404	177.00	44440
64.00	3024	103.00	352	140.00	714	178.00	1312
66.00	98	104.00	3396	141.00	6789	180.00	237
67.00	2327	105.00	1199	142.00	853	182.00	191
68.00	97080	106.00	2977	143.00	6903	208.00	88

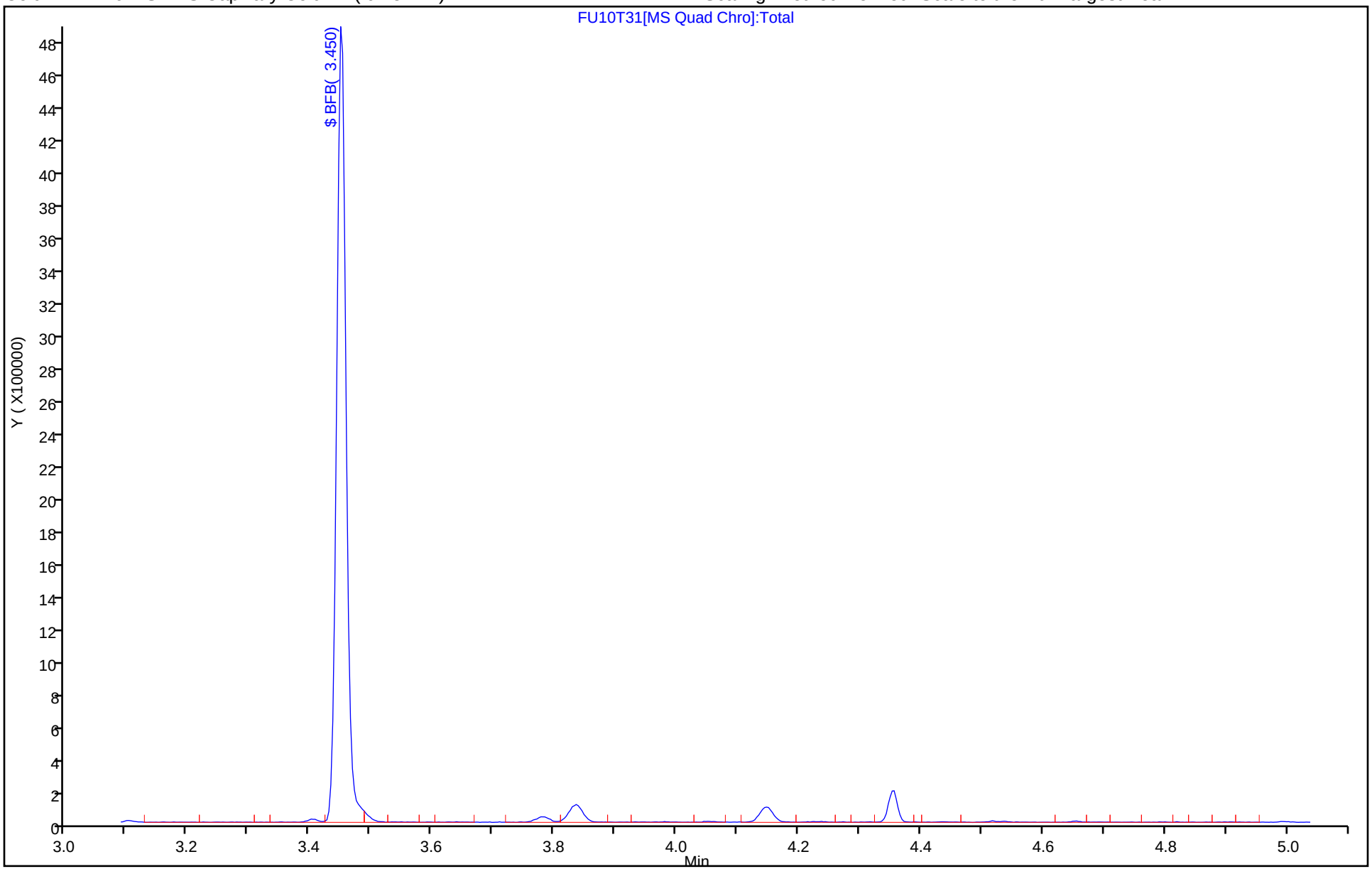
Report Date: 10-Jun-2025 15:41:00 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10T31.D

Injection Date:	10-Jun-2025 12:29:45	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	51
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA22T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 22-Apr-2025 16:40:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0144839-001
Misc. Info.: bfb
Operator ID: knk41612 Instrument ID: 9137

Method: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 24-Apr-2025 18:06:53 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: JS6E Date: 23-Apr-2025 00:03:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 29 BFB	95	4.122	4.122	0.000	0	250017	NC	NC	a

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
a - User Assigned ID

Reagents:

MSV_V_BFB_00018 Amount Added: 1.00 Units: uL

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

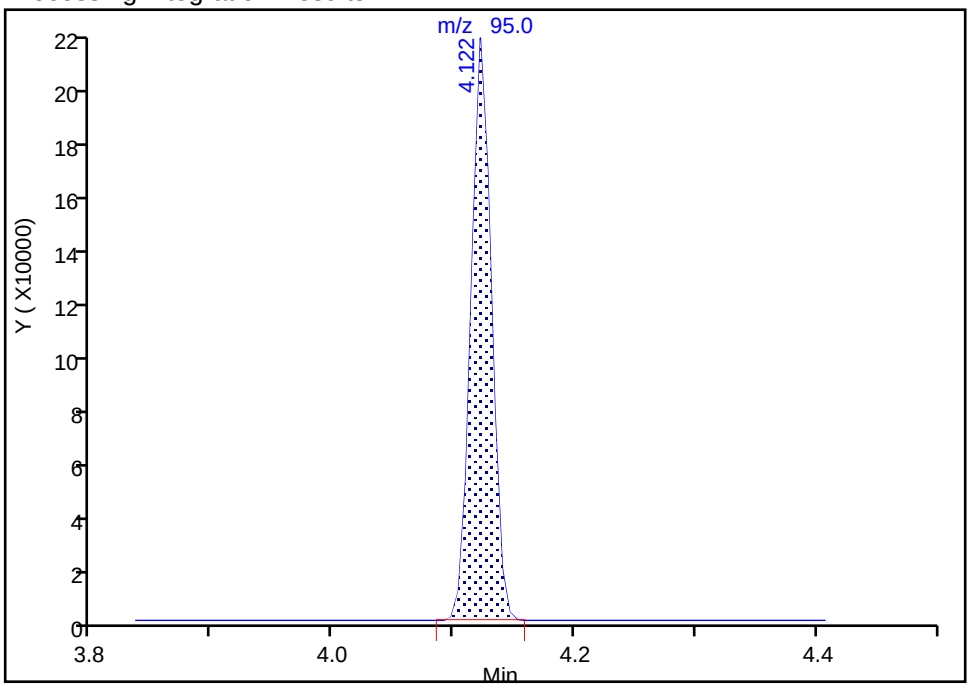
Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA22T01.D				
Injection Date:	22-Apr-2025 16:40:30	Instrument ID:	9137		
Lims ID:	bfb				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

$ 29 BFB, CAS: 460-00-4

Signal: 1

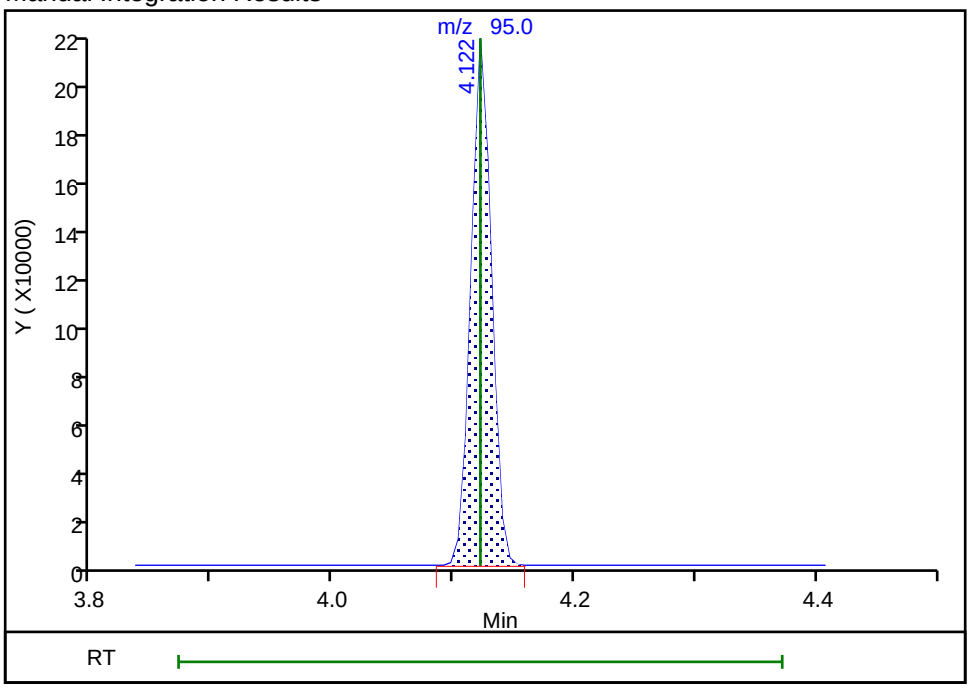
Processing Integration Results

RT: 4.12
Area: 250017
Amount: 0
Amount Units: ug/l



Manual Integration Results

RT: 4.12
Area: 250017
Amount: 0
Amount Units: ug/l



Reviewer: JS6E, 22-Apr-2025 22:55:02 -04:00:00 (UTC)

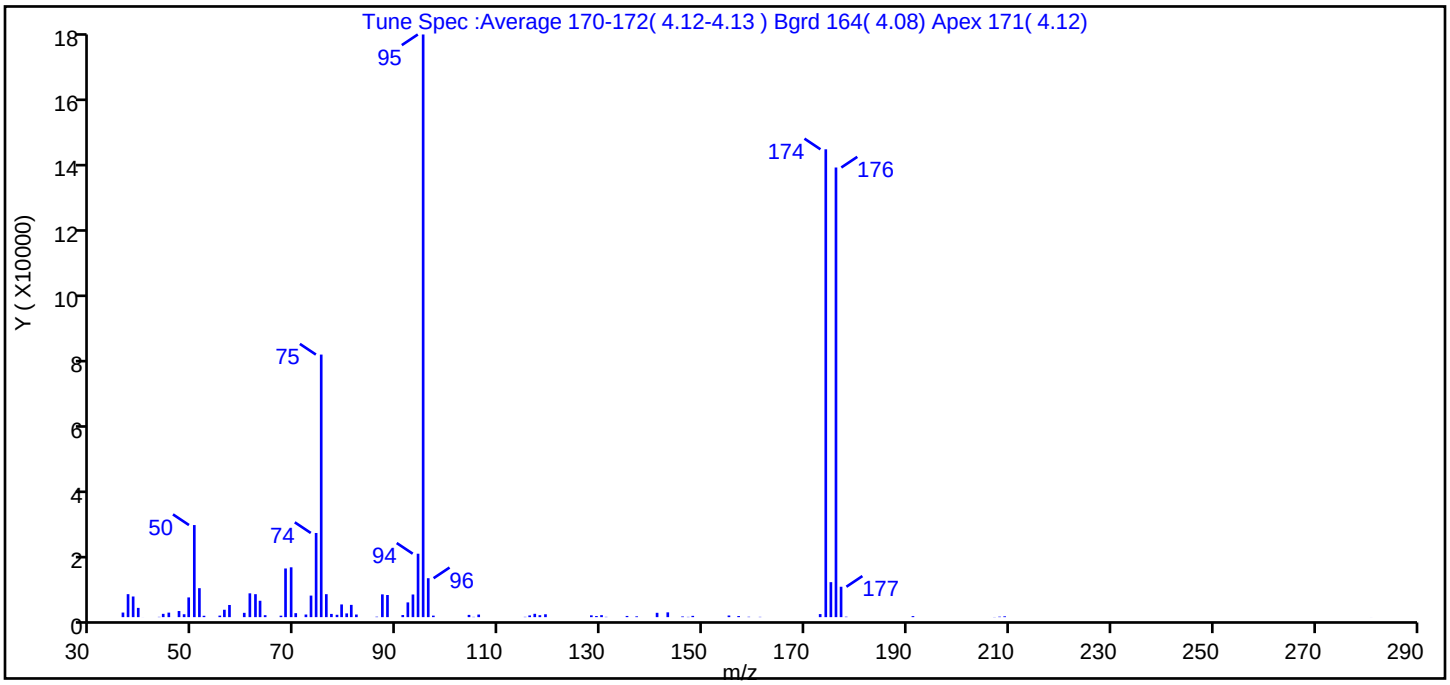
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA22T01.D				
Injection Date:	22-Apr-2025 16:40:30	Instrument ID:	9137		
Lims ID:	bfb				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 29 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.8
75	30 to 60% of m/z 95	45.1
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.5 (0.7)
174	50 to 120% of m/z 95	80.3
175	5 to 9% of m/z 174	6.0 (7.5)
176	Greater than 95% but less than 101% of m/z 174	77.2 (96.1)
177	5 to 9% of m/z 176	5.2 (6.8)

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA22T01.D\MSVoa_9137.rslt\spectra.d
Injection Date: 22-Apr-2025 16:40:30
Spectrum: Tune Spec :Average 170-172(4.12-4.13) Bgrd 164(4.08) Apex 171(4.12)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1372	64.00	583	93.00	6769	146.00	205
37.00	6866	67.00	438	94.00	18952	147.00	83
38.00	6170	68.00	14541	95.00	174080	148.00	383
39.00	2766	69.00	14890	96.00	11634	155.00	483
40.00	11	70.00	1189	97.00	452	157.00	330
43.00	85	72.00	785	104.00	676	159.00	115
44.00	986	73.00	6440	105.00	83	161.00	86
45.00	1348	74.00	25144	106.00	769	173.00	912
47.00	1832	75.00	78448	115.00	91	174.00	139776
48.00	872	76.00	6863	116.00	511	175.00	10453
49.00	5893	77.00	965	117.00	998	176.00	134336
50.00	27512	78.00	708	118.00	583	177.00	9083
51.00	8656	79.00	3797	119.00	860	178.00	132
52.00	411	80.00	1115	128.00	539	191.00	308
55.00	457	81.00	3664	129.00	333	207.00	45
56.00	2211	82.00	783	130.00	595	208.00	143
57.00	3635	86.00	132	131.00	87	209.00	248
60.00	1288	87.00	6803	135.00	357	281.00	9
61.00	7114	88.00	6613	137.00	245		
62.00	6862	91.00	626	141.00	1296		
63.00	4894	92.00	4408	143.00	1433		

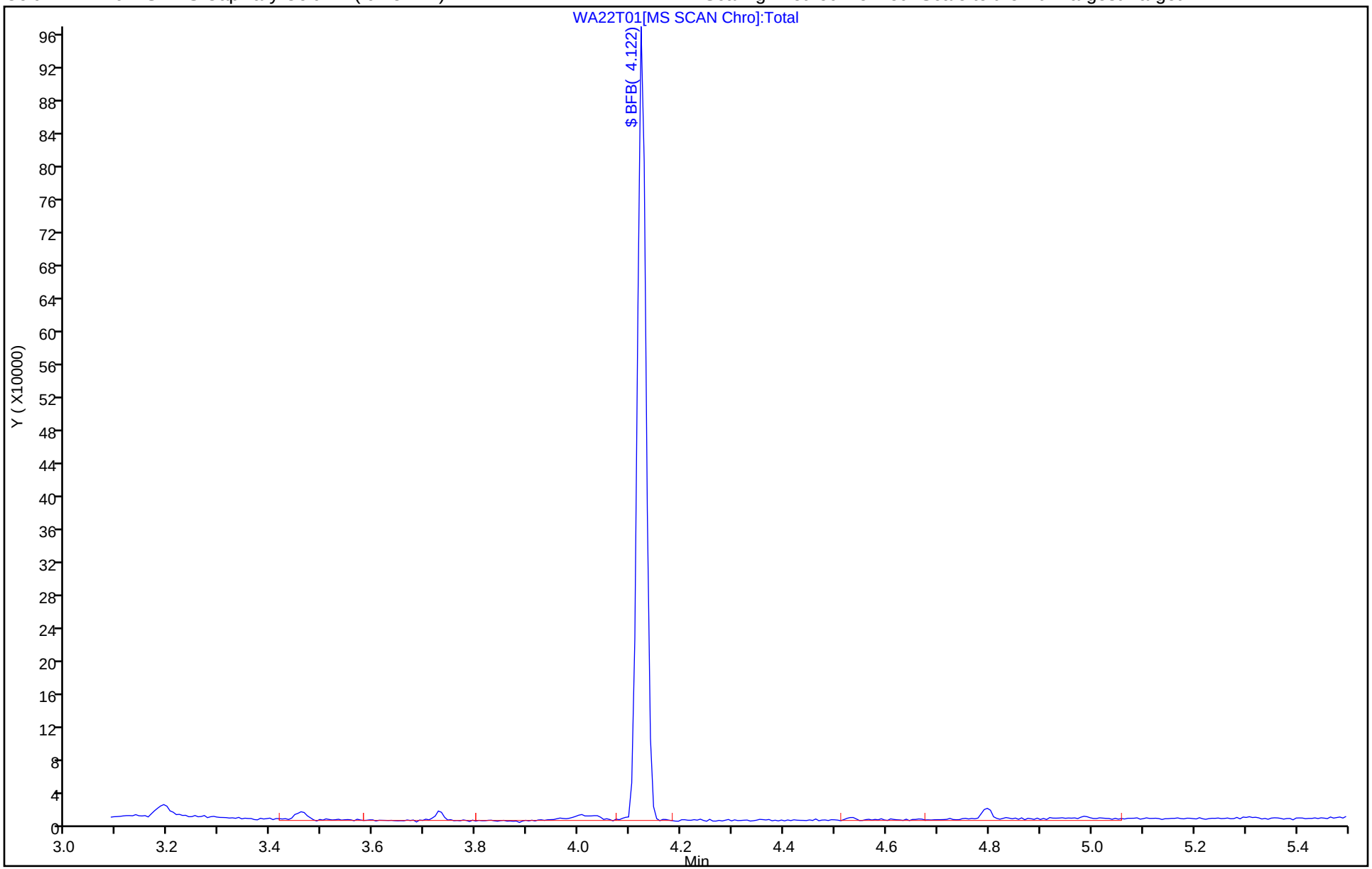
Report Date: 24-Apr-2025 18:06:53 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA22T01.D

Injection Date:	22-Apr-2025 16:40:30	Instrument ID:	9137	Operator ID:	knk41612
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 12-Jun-2025 08:37:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0150115-001
Misc. Info.: BFB
Operator ID: CLM27445 Instrument ID: 9137

Method: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 12-Jun-2025 09:54:06 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1653

First Level Reviewer: TQ4J Date: 12-Jun-2025 08:50:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 31 BFB	95	4.122	4.122	0.000	0	309274	NC	NC	a

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
a - User Assigned ID

Reagents:

MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

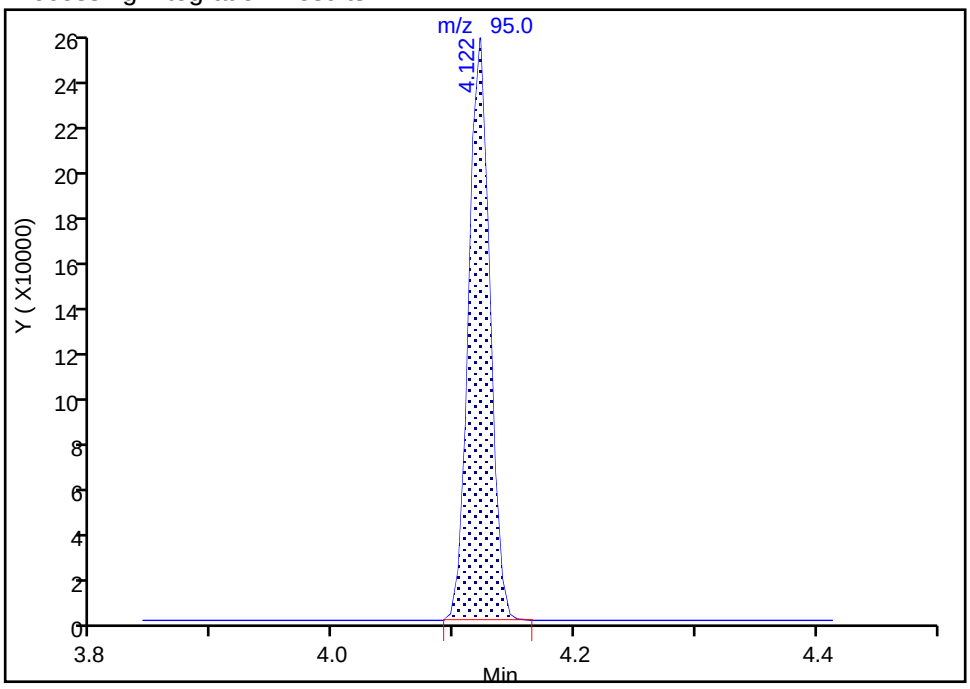
Data File:	\\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12T01.D				
Injection Date:	12-Jun-2025 08:37:30	Instrument ID:	9137		
Lims ID:	BFB				
Client ID:					
Operator ID:	CLM27445	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

$ 31 BFB, CAS: 460-00-4

Signal: 1

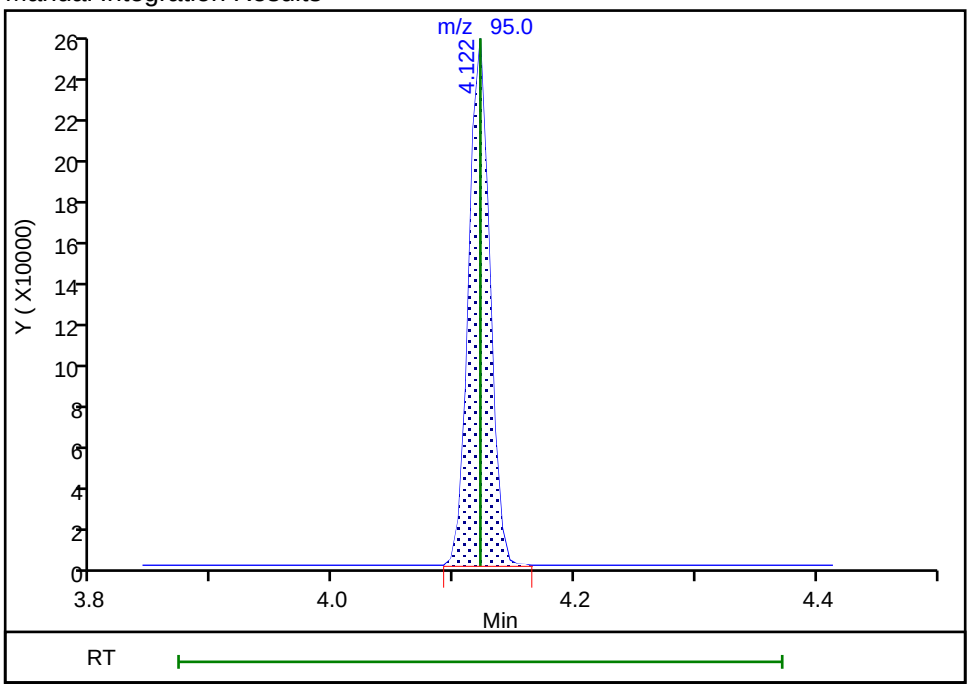
Processing Integration Results

RT: 4.12
Area: 309274
Amount: 0
Amount Units: ug/l



Manual Integration Results

RT: 4.12
Area: 309274
Amount: 0
Amount Units: ug/l



Reviewer: TQ4J, 12-Jun-2025 08:50:07 -04:00:00 (UTC)

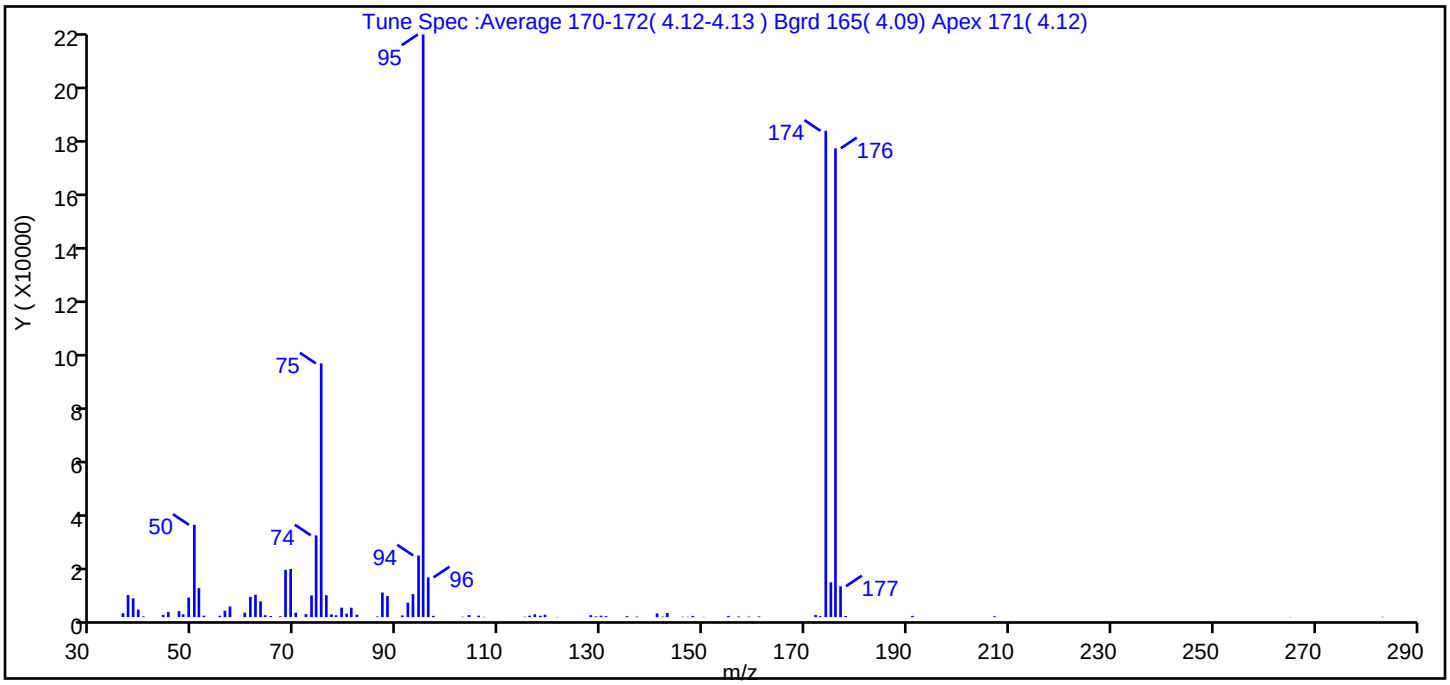
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12T01.D
Injection Date: 12-Jun-2025 08:37:30 Instrument ID: 9137
Lims ID: BFB
Client ID:
Operator ID: CLM27445 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 31 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.8
75	30 to 60% of m/z 95	43.5
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.2 (0.2)
174	50 to 120% of m/z 95	83.5
175	5 to 9% of m/z 174	6.0 (7.2)
176	Greater than 95% but less than 101% of m/z 174	80.5 (96.4)
177	5 to 9% of m/z 176	5.3 (6.6)

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12T01.D\MSVoa_9137.rslt\spectra.d
Injection Date: 12-Jun-2025 08:37:30
Spectrum: Tune Spec :Average 170-172(4.12-4.13) Bgrd 165(4.09) Apex 171(4.12)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 87

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1443	67.00	310	95.00	215232	146.00	149
37.00	8180	68.00	17480	96.00	14708	147.00	104
38.00	6934	69.00	17808	97.00	475	148.00	460
39.00	2782	70.00	1614	103.00	150	150.00	119
40.00	276	72.00	1095	104.00	766	155.00	465
44.00	842	73.00	7997	106.00	542	157.00	254
45.00	1852	74.00	30216	107.00	120	159.00	206
47.00	2218	75.00	93712	115.00	136	161.00	278
48.00	1023	76.00	8101	116.00	538	172.00	825
49.00	7219	77.00	1018	117.00	1043	173.00	363
50.00	34088	78.00	697	118.00	515	174.00	179648
51.00	10708	79.00	3501	119.00	910	175.00	12845
52.00	529	80.00	1272	121.00	86	176.00	173184
55.00	518	81.00	3475	128.00	745	177.00	11395
56.00	2369	82.00	889	129.00	287	178.00	448
57.00	3945	86.00	240	130.00	537	191.00	473
60.00	1660	87.00	9082	131.00	387	207.00	337
61.00	7505	88.00	7804	135.00	385	209.00	3
62.00	8285	91.00	637	137.00	217	265.00	87
63.00	5854	92.00	5365	141.00	1354	282.00	8
64.00	724	93.00	8509	142.00	194	283.00	128
65.00	390	94.00	22768	143.00	1547		

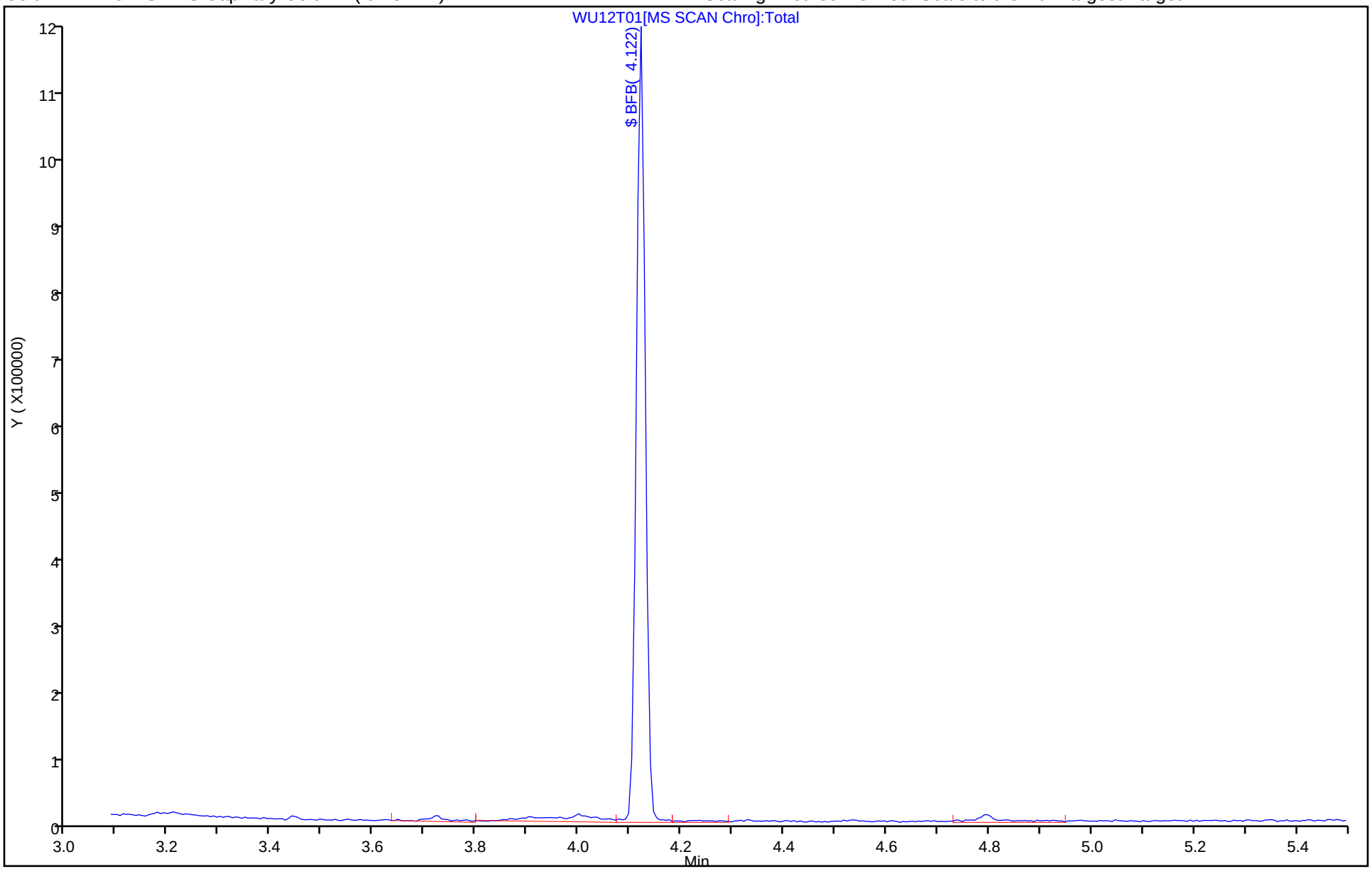
Report Date: 12-Jun-2025 09:54:06 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12T01.D

Injection Date:	12-Jun-2025 08:37:30	Instrument ID:	9137	Operator ID:	CLM27445
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-655353/8

Matrix: Water
Lab File ID: FU10X37.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 14:39

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	ND		5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.30
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-655353/8

Matrix: Water
Lab File ID: FU10X37.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 14:39

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		5.0	0.30
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylene (total)	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-655353/8

Matrix: Water
Lab File ID: FU10X37.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 14:39

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

Number TICs Found: 0
TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X37.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 10-Jun-2025 14:39:44 ALS Bottle#: 57 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-008
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 10-Jun-2025 15:41:00 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: DVW2 Date: 10-Jun-2025 15:39:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85		1.008					ND	
2 Chloromethane	50		1.124					ND	
4 Vinyl chloride	62		1.179					ND	
3 Butadiene	39		1.191					ND	U
5 Bromomethane	94		1.362					ND	
6 Chloroethane	64		1.375					ND	
7 Pentane	43		1.510					ND	7
8 Dichlorofluoromethane	67		1.548					ND	
9 Trichlorofluoromethane	101		1.561					ND	
11 Acrolein	56		1.732					ND	7
10 1,2-Dichloro-1,1,2-trifluoroetha	67		1.741					ND	
12 1,1-Dichloroethene	96		1.812					ND	
13 Acetone	58		1.825					ND	
14 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.867					ND	
15 Iodomethane	142		1.941					ND	
16 Isopropyl alcohol	45		1.941					ND	7
17 Carbon disulfide	76		2.024					ND	7
19 Methyl acetate	43		2.056					ND	7
18 3-Chloro-1-propene	41		2.059					ND	7
20 Methylene Chloride	84		2.172					ND	
* 21 t-Butyl alcohol-d10 (IS)	65	2.211	2.252	-0.042	12	757489	250.0	250.0	
22 2-Methyl-2-propanol	59		2.323					ND	
23 Acrylonitrile	53		2.346					ND	7
24 trans-1,2-Dichloroethene	96		2.368					ND	
25 Methyl tert-butyl ether	73		2.387					ND	
26 Hexane	57		2.590					ND	
27 1,1-Dichloroethane	63		2.712					ND	
28 Isopropyl ether	45		2.760					ND	
29 2-Chloro-1,3-butadiene	53		2.767					ND	
30 Tert-butyl ethyl ether	59		3.053					ND	
31 2-Butanone (MEK)	43		3.133					ND	7

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	32 cis-1,2-Dichloroethene	96		3.166					ND	
	34 Propionitrile	54		3.182					ND	
	33 2,2-Dichloropropane	77		3.191					ND	
	35 Methacrylonitrile	67		3.304					ND	
	37 Tetrahydrofuran	71		3.330					ND	
	36 Chlorobromomethane	128		3.349					ND	
	39 Chloroform	83		3.442					ND	7
$	40 Dibromofluoromethane (Surr)	113	3.564	3.567	-0.003	92	333281	50.0	47.0	
	41 1,1,1-Trichloroethane	97		3.571					ND	
	42 Cyclohexane	56		3.629					ND	
	43 1,1-Dichloropropene	75		3.686					ND	
	44 Carbon tetrachloride	117		3.690					ND	
	45 Isobutyl alcohol	41		3.805					ND	7
$	46 1,2-Dichloroethane-d4 (Surr)	102	3.818	3.825	-0.007	47	78199	50.0	46.0	
	47 Benzene	78		3.844					ND	7
	48 1,2-Dichloroethane	62		3.889					ND	7
	49 Tert-amyl methyl ether	73		3.976					ND	
*	50 Fluorobenzene (IS)	96	4.079	4.079	0.000	99	1260536	50.0	50.0	
	51 n-Heptane	43		4.095					ND	7
	52 n-Butanol	56		4.352					ND	
	53 Trichloroethene	95		4.384					ND	
	54 Methylcyclohexane	83		4.577					ND	
	55 1,2-Dichloropropane	63		4.590					ND	
	56 2-ethoxy-2-methyl butane	87		4.625					ND	
	57 1,4-Dioxane	88		4.654					ND	
	59 Dibromomethane	93		4.661					ND	
	58 Methyl methacrylate	69		4.667					ND	
	60 Dichlorobromomethane	83		4.825					ND	
	61 2-Nitropropane	41		5.011					ND	
	62 2-Chloroethyl vinyl ether	63		5.082					ND	
	63 cis-1,3-Dichloropropene	75		5.194					ND	
	64 4-Methyl-2-pentanone (MIBK)	43		5.339					ND	7
$	65 Toluene-d8 (Surr)	98	5.413	5.416	-0.003	94	1169321	50.0	51.3	
	66 Toluene	92		5.471					ND	
	67 trans-1,3-Dichloropropene	75		5.677					ND	7
	68 Ethyl methacrylate	69		5.741					ND	
	69 1,1,2-Trichloroethane	97		5.821					ND	
	70 Tetrachloroethene	166		5.870					ND	
	71 1,3-Dichloropropane	76		5.937					ND	
	72 2-Hexanone	43		5.995					ND	7
	73 Chlorodibromomethane	129		6.088					ND	
S	74 1,2-Dichloroethene, Total	100		6.155					ND	7
	75 Ethylene Dibromide	107		6.159					ND	
*	76 Chlorobenzene-d5 (IS)	117	6.477	6.477	0.000	87	857669	50.0	50.0	
	77 Chlorobenzene	112		6.497					ND	7
	78 1-Chlorohexane	91		6.506					ND	U
	79 1,1,1,2-Tetrachloroethane	131		6.564					ND	
	80 Ethylbenzene	91		6.571					ND	7
	81 m-Xylene & p-Xylene	106		6.657					ND	7
	82 o-Xylene	106		6.892					ND	7
	83 Styrene	104		6.905					ND	7
	84 Bromoform	173		7.008					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Isopropylbenzene	105		7.117					ND	7
$ 86 4-Bromofluorobenzene (Surr)	95	7.214	7.214	0.000	82	472666	50.0	51.3	
87 Bromobenzene	156		7.291					ND	
88 1,1,2,2-Tetrachloroethane	83		7.304					ND	
89 trans-1,4-Dichloro-2-butene	53		7.323					ND	
90 1,2,3-Trichloropropane	110		7.329					ND	
91 N-Propylbenzene	91		7.358					ND	7
92 2-Chlorotoluene	126		7.403					ND	
93 1,3,5-Trimethylbenzene	105		7.464					ND	7
94 4-Chlorotoluene	126		7.474					ND	7
95 tert-Butylbenzene	134		7.638					ND	
96 1,2,4-Trimethylbenzene	105		7.670					ND	7
97 sec-Butylbenzene	105		7.760					ND	7
98 1,3-Dichlorobenzene	146		7.818					ND	7
99 4-Isopropyltoluene	119		7.844					ND	7
* 100 1,4-Dichlorobenzene-d4	152	7.860	7.860	0.000	97	482665	50.0	50.0	
101 1,4-Dichlorobenzene	146		7.873					ND	7
102 1,2,3-Trimethylbenzene	105		7.889					ND	7
103 Benzyl chloride	91		7.937					ND	7
104 1,3-Diethylbenzene	119		7.995					ND	7
105 p-Diethylbenzene	119		8.046					ND	7
106 n-Butylbenzene	92		8.059					ND	7
107 1,2-Dichlorobenzene	146		8.062					ND	7
108 o-diethylbenzene	119		8.098					ND	7
109 1,2-Dibromo-3-Chloropropane	75		8.471					ND	7
110 1,3,5-Trichlorobenzene	180		8.567					ND	7
111 1,2,4-Trichlorobenzene	180	8.882	8.882	0.000	85	1511		0.1670	
112 Hexachlorobutadiene	225		8.956					ND	7
113 Naphthalene	128		9.014					ND	7
114 1,2,3-Trichlorobenzene	180	9.123	9.124	-0.001	87	2126		0.2355	
115 2-Methylnaphthalene	142		9.567					ND	7
123 Methyl Isocyanate TIC	73	9.998	10.000	-0.002	1	122		0.004839	
120 Chlorodifluoromethane	51	4.072	10.000	-5.928	50	63868		2.53	
S 139 1,3-Dichloropropene, Total	100		10.060					ND	7
S 140 Xylenes, Total	106		11.245					ND	7
S 141 Total Diethylbenzene	1		0.000					ND	7
163 2,2-Dimethylbutane TIC	1		0.000					ND	
164 Methylcyclopentane TIC	1		0.000					ND	
165 3-chloro-1-Butene TIC	1		0.000					ND	
166 1,1-Dichloro-1-fluoroethane TIC	1		0.000					ND	
167 Carbonyl sulfide TIC	1		0.000					ND	
168 Dimethylformamide TIC	1		0.000					ND	
169 Decamethylcyclopentasiloxane TIC	1		0.000					ND	
170 Dimethyl Sulfide TIC	1		0.000					ND	
172 2,2-Dimethylpropane TIC	1		0.000					ND	
173 bis(2-chloromethyl)ether TIC	1		0.000					ND	
174 2-Methylhexane TIC	1		0.000					ND	
175 3-Pentanone TIC	1		0.000					ND	
176 1-Methylnaphthalene (TIC)	1		0.000					ND	
177 3-Methylpentane TIC	1		0.000					ND	
178 Cyclopentane TIC	1		0.000					ND	
179 Styrene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
180 2,3-Dimethylbutane TIC	1		0.000					ND	
162 2-ethoxy-2-methyl butane TIC	1		0.000					ND	
181 4-Hydroxy-4-methyl-2-pentanone T	1		0.000					ND	
161 Phosgene TIC	1		0.000					ND	
S 159 Total BTEX	1		0.000					ND	7
142 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
143 Ethyl acrylate	55		0.000					ND	
144 3-Methyl-1-butene	1		0.000					ND	
145 Propanol	1		0.000					ND	
146 Isobutyl acetate	43		0.000					ND	
147 4-Ethyltoluene	1		0.000					ND	
148 sec-Butyl Alcohol	45		0.000					ND	
149 3-Methylhexane TIC	1		0.000					ND	
150 2-Butoxyethyl acetate	1		0.000					ND	
151 Methyl acrylate	1		0.000					ND	
152 Gasoline (Unleaded)	1		0.000					ND	
153 Dimethyl Sulfide	1		0.000					ND	
154 n-Butyl acrylate	1		0.000					ND	
155 1-Methylnaphthalene	142		0.000					ND	
$ 156 trans-1,2,3-Trichlorobutene-2 T	1		0.000					ND	
157 sec-Butyl Alcohol TIC	1		0.000					ND	
158 2-Ethylhexyl acrylate	1		0.000					ND	
160 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00041 Amount Added: 5.00 Units: uL Run Reagent

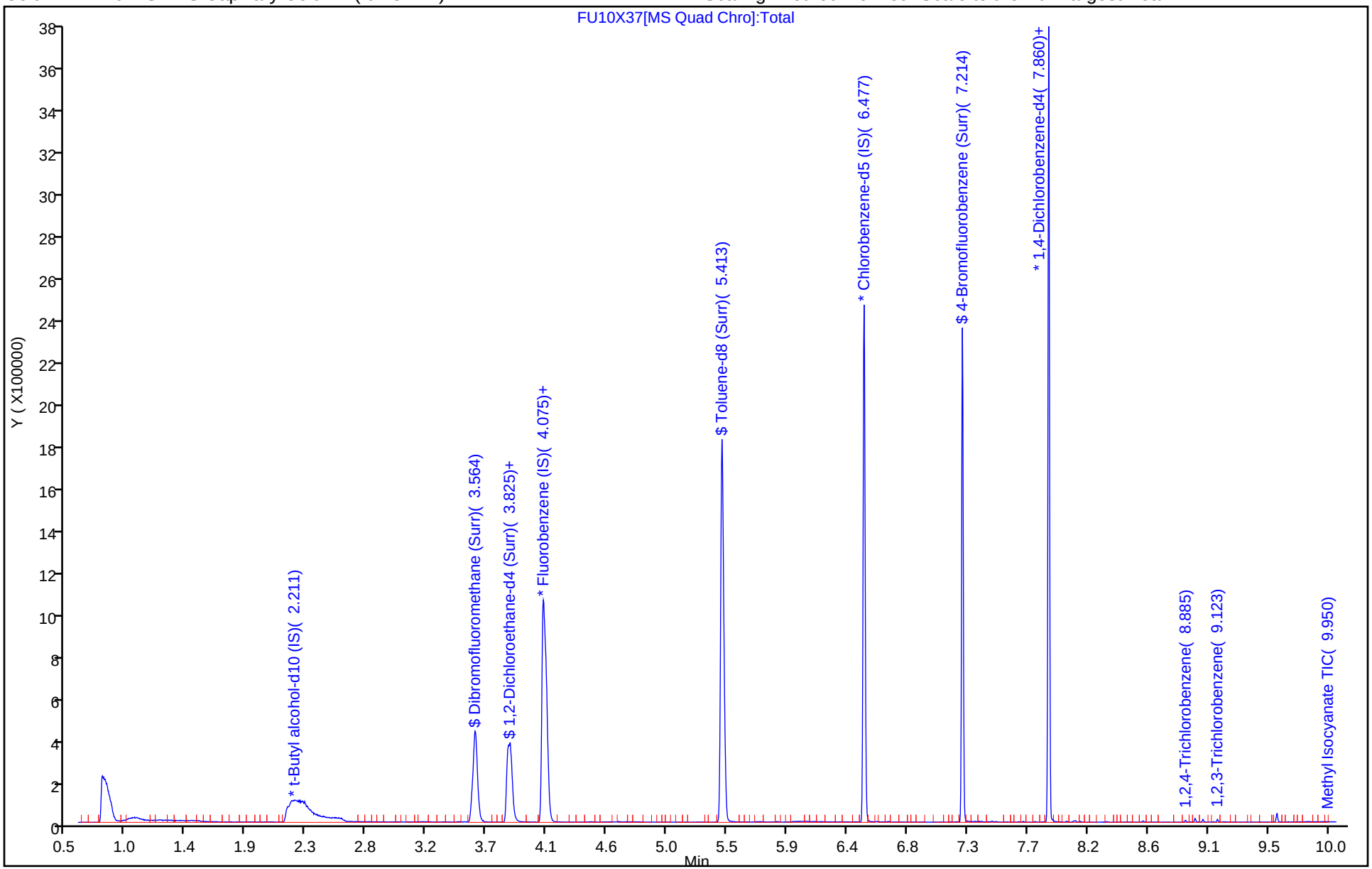
Report Date: 10-Jun-2025 15:41:01 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X37.D

Injection Date:	10-Jun-2025 14:39:44	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	57
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X37.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 10-Jun-2025 14:39:44 ALS Bottle#: 57 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-008
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 10-Jun-2025 15:41:00 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: DVW2 Date: 10-Jun-2025 15:39:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 40 Dibromofluoromethane (Surr)	50.0	47.0	94.00
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	46.0	92.01
$ 65 Toluene-d8 (Surr)	50.0	51.3	102.62
$ 86 4-Bromofluorobenzene (Surr)	50.0	51.3	102.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-656473/7

Matrix: Water
Lab File ID: WU12X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 06/12/2025 10:56

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 656473
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.68
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.30
78-93-3	2-Butanone	ND		10	1.0
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
110-82-7	Cyclohexane	ND		5.0	1.0
124-48-1	Dibromochloromethane	ND		1.0	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.30
100-41-4	Ethylbenzene	ND		1.0	0.40
76-13-1	Freon 113	ND		10	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-656473/7

Matrix: Water
Lab File ID: WU12X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 06/12/2025 10:56

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 656473
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		5.0	0.30
79-20-9	Methyl acetate	ND		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20
108-87-2	Methylcyclohexane	ND		5.0	0.50
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-69-4	Trichlorofluoromethane	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylene (total)	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-656473/7

Matrix: Water
Lab File ID: WU12X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 06/12/2025 10:56

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 656473
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

Number TICs Found: 0
TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 12-Jun-2025 10:56:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0150115-007
Operator ID: CLM27445 Instrument ID: 9137

Method: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 13-Jun-2025 07:48:26 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1708

First Level Reviewer: TQ4J Date: 12-Jun-2025 12:54:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
A 1 C4-C10	1		(0.000-0.100)					ND	
A 2 C4-C12	1		(0.000-0.250)					ND	
4 Chlorotrifluoroethene	116		1.937					ND	
5 Dichlorodifluoromethane	85		1.985					ND	
6 Chlorodifluoromethane	51		1.995					ND	
7 Chloromethane	50		2.188					ND	7
8 Vinyl chloride	62		2.303					ND	
9 Butadiene	39		2.306					ND	7
10 2-Chloro-1,1,1-Trifluoroethane	118		2.393					ND	7
11 Bromomethane	94		2.662					ND	
13 Chloroethane	64		2.730					ND	
14 Dichlorofluoromethane	67		2.999					ND	
15 Trichlorofluoromethane	101		3.057					ND	
16 Pentane	43		3.089					ND	
17 Ethanol	45		3.176					ND	
18 Ethyl ether	59		3.304					ND	
19 1,2-Dichloro-1,1,2-trifluoroetha	67		3.410					ND	
20 Acrolein	56		3.484					ND	
21 1,1-Dichloroethene	96		3.635					ND	7
22 Acetone	58		3.651					ND	
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.664					ND	
24 Dimethyl Sulfide	62		3.757					ND	
26 Iodomethane	142		3.840					ND	
25 Isopropyl alcohol	45		3.866					ND	
27 Carbon disulfide	76		3.956					ND	7
28 Acetonitrile	41		4.074					ND	
29 Methyl acetate	43		4.094					ND	7
30 3-Chloro-1-propene	41		4.116					ND	
85 n-Propyl acetate	61		4.122					ND	
35 Methylene Chloride	84		4.318					ND	
* 34 t-Butyl alcohol-d10 (IS)	65	4.357	4.357	0.000	1	267736	250.0	250.0	
36 2-Methyl-2-propanol	59		4.453					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Acrylonitrile	53		4.658					ND	
38 Methyl tert-butyl ether	73		4.726					ND	
39 trans-1,2-Dichloroethene	96		4.729					ND	
40 Hexane	57		5.156					ND	
42 Vinyl acetate	43		5.380					ND	7
41 1,1-Dichloroethane	63		5.400					ND	
43 Isopropyl ether	45		5.454					ND	
44 2-Chloro-1,3-butadiene	53		5.502					ND	
45 Tert-butyl ethyl ether	59		5.993					ND	
S 46 1,2-Dichloroethene, Total	100		6.155					ND	7
47 2-Butanone (MEK)	43		6.192					ND	
48 cis-1,2-Dichloroethene	96		6.234					ND	
49 2,2-Dichloropropane	77		6.256					ND	
50 Ethyl acetate	43		6.260					ND	
51 Propionitrile	54		6.298					ND	
52 Methyl acrylate	55		6.330					ND	
A 53 C6-C10	1	6.394	(2.952-9.836)		0	2749251		NC	
54 Methacrylonitrile	67		6.504					ND	
56 Tetrahydrofuran	71		6.561					ND	
55 Chlorobromomethane	128		6.571					ND	
57 Chloroform	83		6.722					ND	
$ 58 Dibromofluoromethane (Surr)	113	6.930	6.930	0.000	93	236746	50.0	51.9	
59 1,1,1-Trichloroethane	97		6.946					ND	
60 Cyclohexane	56		7.046					ND	
A 62 C5-C12	1	7.153	(2.686-11.621)		0	3244670		NC	
61 Carbon tetrachloride	117		7.161					ND	
63 1,1-Dichloropropene	75		7.161					ND	7
A 64 C6-C12	1	7.286	(2.952-11.621)		0	3228742		NC	
65 Isobutyl alcohol	41		7.322					ND	
$ 66 1,2-Dichloroethane-d4 (Surr)	102	7.386	7.386	0.000	62	61014	50.0	52.8	
67 Benzene	78		7.424					ND	
68 1,2-Dichloroethane	62		7.489					ND	7
69 Isopropyl acetate	43		7.501					ND	
70 t-Amyl alcohol	73		7.575					ND	
71 Tert-amyl methyl ether	73		7.614					ND	
* 74 Fluorobenzene (IS)	96	7.822	7.822	0.000	99	973975	50.0	50.0	
75 n-Heptane	43		7.842					ND	
76 n-Butanol	56		8.201					ND	
78 Ethyl acrylate	55		8.249					ND	
77 Trichloroethene	95		8.301					ND	
79 Methylcyclohexane	83		8.612					ND	
81 2-ethoxy-2-methyl butane	87		8.641					ND	
80 1,2-Dichloropropane	63		8.644					ND	
82 Methyl methacrylate	69		8.724					ND	
83 1,4-Dioxane	88		8.734					ND	
84 Dibromomethane	93		8.753					ND	
86 Dichlorobromomethane	83		8.990					ND	
87 2-Nitropropane	41		9.270					ND	7
89 2-Chloroethyl vinyl ether	63		9.343					ND	
90 2,3,4-Trichlorobutene	109		9.417					ND	
92 cis-1,3-Dichloropropene	75		9.530					ND	7
93 4-Methyl-2-pentanone (MIBK)	43		9.706					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 95 Toluene-d8 (Surr)	98	9.834	9.834	0.000	92	904037	50.0	48.8	
98 Toluene	92		9.908				ND		
S 121 1,3-Dichloropropene, Total	100		10.060				ND		7
125 trans-1,3-Dichloropropene	75		10.162				ND		7
127 Ethyl methacrylate	69		10.223				ND		
129 1,1,2-Trichloroethane	97		10.367				ND		
130 Tetrachloroethene	166		10.450				ND		
131 1,3-Dichloropropane	76		10.528				ND		
133 3,4-Dichloro-1-butene	75		10.566				ND		7
134 2-Hexanone	43		10.582				ND		7
135 n-Butyl acetate	43		10.694				ND		7
136 Chlorodibromomethane	129		10.739				ND		
137 Ethylene Dibromide	107		10.852				ND		
S 138 Xylenes, Total	106		11.245				ND		7
* 139 Chlorobenzene-d5 (IS)	117	11.278	11.278	0.000	84	715957	50.0	50.0	
140 1-Chlorohexane	91		11.288				ND		U
141 Chlorobenzene	112		11.307				ND		
142 1,1,1,2-Tetrachloroethane	131		11.387				ND		
143 Ethylbenzene	91		11.391				ND		7
144 m-Xylene & p-Xylene	106		11.506				ND		
146 o-Xylene	106		11.834				ND		
147 Styrene	104		11.850				ND		7
145 n-Butyl acrylate	55		11.901				ND		
148 Bromoform	173		12.004				ND		
149 Isopropylbenzene	105		12.135				ND		
150 cis-1,4-Dichloro-2-butene	88		12.276				ND		U
$ 152 4-Bromofluorobenzene (Surr)	95	12.279	12.279	0.000	89	323474	50.0	45.6	
151 Cyclohexanone	55		12.279				ND		7
153 1,1,2,2-Tetrachloroethane	83		12.379				ND		
154 Bromobenzene	156		12.395				ND		7
155 trans-1,4-Dichloro-2-butene	53		12.405				ND		7
156 1,2,3-Trichloropropane	110		12.424				ND		
157 N-Propylbenzene	91		12.462				ND		
158 2-Chlorotoluene	126		12.539				ND		
159 1,3,5-Trimethylbenzene	105		12.594				ND		
160 4-Chlorotoluene	126		12.633				ND		
161 tert-Butylbenzene	134		12.838				ND		
162 Pentachloroethane	167		12.870				ND		
163 1,2,4-Trimethylbenzene	105		12.880				ND		
164 sec-Butylbenzene	105		13.002				ND		
166 1,3-Dichlorobenzene	146		13.101				ND		7
167 4-Isopropyltoluene	119		13.107				ND		7
165 d-Limonene	68		13.152				ND		
* 168 1,4-Dichlorobenzene-d4	152	13.159	13.159	0.000	95	394277	50.0	50.0	
170 1,4-Dichlorobenzene	146		13.175				ND		7
171 1,2,3-Trimethylbenzene	105		13.184				ND		
172 Benzyl chloride	91		13.252				ND		7
173 1,3-Diethylbenzene	119		13.310				ND		7
174 p-Diethylbenzene	119		13.380				ND		7
175 n-Butylbenzene	92		13.399				ND		
176 1,2-Dichlorobenzene	146		13.435				ND		
177 o-diethylbenzene	119		13.454				ND		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
178 Hexachloroethane	201		13.560					ND	
179 1,2-Dibromo-3-Chloropropane	75		13.980					ND	7
180 1,3,5-Trichlorobenzene	180		14.102					ND	
181 1,2,4-Trichlorobenzene	180		14.529					ND	
182 2-Ethylhexyl acrylate	55		14.538					ND	
183 Hexachlorobutadiene	225		14.609					ND	
184 Naphthalene	128		14.712					ND	7
185 1,2,3-Trichlorobenzene	180		14.856					ND	
186 2-Methylnaphthalene	142		15.492					ND	7
188 tert-Butyl Formate	1		0.000					ND	
189 1,4-Divinylbenzene	1		0.000					ND	
190 2-Methylhexane TIC	1		0.000					ND	
191 3-Methylpentane TIC	1		0.000					ND	
192 Diethoxymethane	1		0.000					ND	
193 Ethyl bromide	1		0.000					ND	
194 1,3-Divinylbenzene	1		0.000					ND	
195 Propene oxide	1		0.000					ND	
197 2-ethoxy-2-methyl butane TIC	1		0.000					ND	
198 Dimethylformamide TIC	1		0.000					ND	
199 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
200 Methyl mercaptan TIC	1		0.000					ND	
201 Cyclopentane TIC	1		0.000					ND	
202 3-Methylhexane TIC	1		0.000					ND	
203 n-Octane	1		0.000					ND	
205 3-Pentanone TIC	1		0.000					ND	
$ 206 trans-1,2,3-Trichlorobutene-2 TI	1		0.000					ND	
207 2,3-Dimethylbutane TIC	1		0.000					ND	
208 2,2-Dimethylbutane TIC	1		0.000					ND	
209 Methylcyclopentane TIC	1		0.000					ND	
210 Dimethyl Sulfide TIC	1		0.000					ND	
211 2,2-Dimethylpropane TIC	1		0.000					ND	
212 Methyl Isocyanate TIC	1		0.000					ND	
213 Undecane	1		0.000					ND	
214 4-Ethyltoluene	1		0.000					ND	
215 Styrene oxide TIC	1		0.000					ND	
216 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
217 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
219 3-chloro-1-Butene	1		0.000					ND	
220 Chloroacetonitrile	1		0.000					ND	
221 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
222 Decamethylcyclopentasiloxane TIC	1		0.000					ND	
223 n-Nonane	1		0.000					ND	
224 Gasoline (Unleaded)	1		0.000					ND	
225 1-Methylnaphthalene	142		0.000					ND	
226 sec-Butyl Alcohol TIC	1		0.000					ND	
227 1-Chlorobutane	1		0.000					ND	
228 Propanol	1		0.000					ND	
229 Methylal	1		0.000					ND	
230 sec-Butyl Alcohol	45		0.000					ND	
231 Phosgene TIC	1		0.000					ND	
232 4-Hydroxy-4-methyl-2-pentanone T	1		0.000					ND	
233 bis(2-chloromethyl)ether TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
234 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
S 235 Total BTEX	1		0.000					ND	
236 Isobutyl acetate	43		0.000					ND	
237 1-Bromo-2-chloroethane	1		0.000					ND	
S 238 Total Diethylbenzene	1		0.000					ND	7
S 239 divinyl benzene	1		0.000					ND	7
240 C7-C12	1		0.000					ND	
241 TAH TIC	1		0.000					ND	
242 3-Methyl-1-butene	1		0.000					ND	
243 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
244 Carbonyl sulfide TIC	1		0.000					ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00036 Amount Added: 5.00 Units: uL Run Reagent

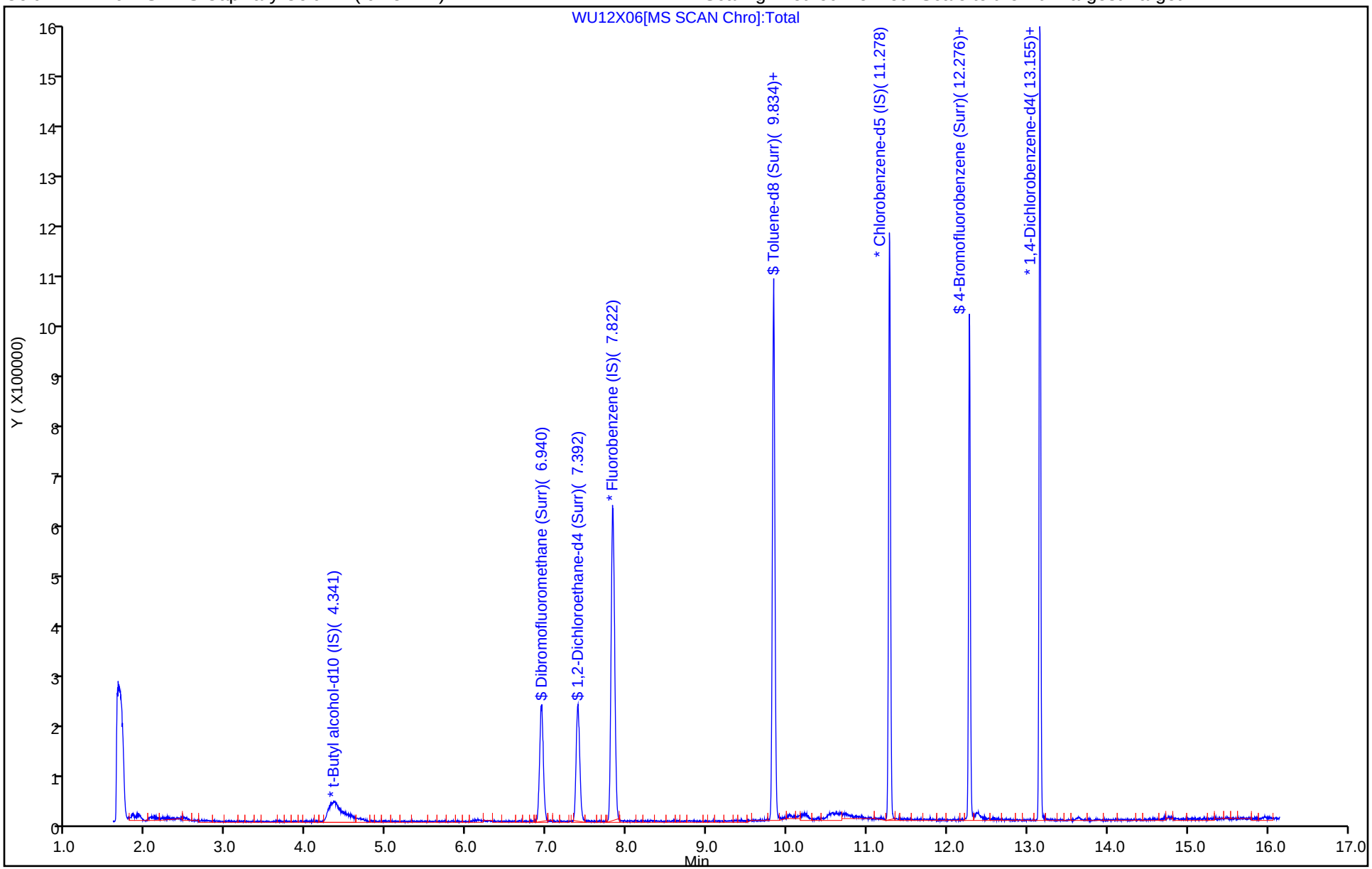
Report Date: 13-Jun-2025 07:48:27 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X06.D

Injection Date:	12-Jun-2025 10:56:30	Instrument ID:	9137	Operator ID:	CLM27445
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 12-Jun-2025 10:56:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0150115-007
Operator ID: CLM27445 Instrument ID: 9137

Method: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 13-Jun-2025 07:48:26 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1708

First Level Reviewer: TQ4J Date: 12-Jun-2025 12:54:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 58 Dibromofluoromethane (Surr)	50.0	51.9	103.85
$ 66 1,2-Dichloroethane-d4 (Surr)	50.0	52.8	105.57
$ 95 Toluene-d8 (Surr)	50.0	48.8	97.60
$ 152 4-Bromofluorobenzene (Surr)	50.0	45.6	91.23

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-655353/5

Matrix: Water
Lab File ID: FU10X34.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 13:41

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.0		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	24.3		1.0	0.30
79-00-5	1,1,2-Trichloroethane	21.2		1.0	0.30
75-34-3	1,1-Dichloroethane	24.6		1.0	0.30
75-35-4	1,1-Dichloroethene	25.5		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	19.1		5.0	0.30
95-50-1	1,2-Dichlorobenzene	19.9		5.0	0.20
107-06-2	1,2-Dichloroethane	19.5		1.0	0.30
78-87-5	1,2-Dichloropropane	23.4		1.0	0.30
541-73-1	1,3-Dichlorobenzene	19.2		5.0	0.68
106-46-7	1,4-Dichlorobenzene	19.7		5.0	0.30
78-93-3	2-Butanone	280		10	1.0
591-78-6	2-Hexanone	310		10	0.85
108-10-1	4-Methyl-2-pentanone	309		10	0.50
67-64-1	Acetone	299		20	0.70
71-43-2	Benzene	21.8		1.0	0.30
75-27-4	Bromodichloromethane	20.2		1.0	0.20
75-25-2	Bromoform	17.4		4.0	1.0
74-83-9	Bromomethane	22.1		1.0	0.30
75-15-0	Carbon disulfide	24.7		5.0	0.30
56-23-5	Carbon tetrachloride	19.2		1.0	0.30
108-90-7	Chlorobenzene	20.0		1.0	0.30
75-00-3	Chloroethane	24.5		1.0	0.30
67-66-3	Chloroform	21.7		1.0	0.30
74-87-3	Chloromethane	25.9		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	21.2		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	19.4		1.0	0.20
110-82-7	Cyclohexane	25.1		5.0	1.0
124-48-1	Dibromochloromethane	18.8		1.0	0.20
75-71-8	Dichlorodifluoromethane	21.8		1.0	0.30
100-41-4	Ethylbenzene	21.8		1.0	0.40
76-13-1	Freon 113	21.7		10	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-655353/5

Matrix: Water
Lab File ID: FU10X34.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 13:41

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	22.7		5.0	0.30
79-20-9	Methyl acetate	23.1		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	21.2		1.0	0.20
108-87-2	Methylcyclohexane	19.8		5.0	0.50
75-09-2	Methylene Chloride	23.9		1.0	0.30
100-42-5	Styrene	20.4		5.0	0.30
127-18-4	Tetrachloroethene	17.4		1.0	0.30
108-88-3	Toluene	20.8		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	21.9		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	19.3		1.0	0.20
79-01-6	Trichloroethene	19.0		1.0	0.30
75-69-4	Trichlorofluoromethane	20.7		1.0	0.30
75-01-4	Vinyl chloride	24.5		1.0	0.30
1330-20-7	Xylene (total)	60.3		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X34.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 10-Jun-2025 13:41:38 ALS Bottle#: 54 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-005
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 10-Jun-2025 15:40:40 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: DVW2 Date: 10-Jun-2025 15:34:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.018	1.008	0.010	98	226545	20.0	21.8	
2 Chloromethane	50	1.124	1.124	0.000	99	302522	20.0	25.9	
4 Vinyl chloride	62	1.185	1.179	0.007	98	249124	20.0	24.5	
3 Butadiene	39	1.198	1.191	0.007	92	401934	20.0	33.8	
5 Bromomethane	94	1.371	1.362	0.009	90	159030	20.0	22.1	
6 Chloroethane	64	1.384	1.375	0.009	99	146341	20.0	24.5	
7 Pentane	43	1.519	1.510	0.009	97	281763	20.0	27.0	
8 Dichlorofluoromethane	67	1.555	1.548	0.007	98	414858	20.0	24.0	
9 Trichlorofluoromethane	101	1.568	1.561	0.007	98	272470	20.0	20.7	M
11 Acrolein	56	1.744	1.732	0.012	100	483429	146.3	192.8	
10 1,2-Dichloro-1,1,2-trifluoroetha	67	1.744	1.741	0.003	91	212129	20.0	23.8	
12 1,1-Dichloroethene	96	1.818	1.812	0.006	95	158151	20.0	25.5	
13 Acetone	58	1.838	1.825	0.013	100	423463	250.0	299.3	
14 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.873	1.867	0.006	95	157133	20.0	21.7	
15 Iodomethane	142	1.950	1.941	0.009	100	240144	20.0	18.8	
16 Isopropyl alcohol	45	1.957	1.941	0.016	51	170872	150.0	140.3	
17 Carbon disulfide	76	2.027	2.024	0.003	99	531184	20.0	24.7	M
19 Methyl acetate	43	2.066	2.056	0.010	81	224826	20.0	23.1	
18 3-Chloro-1-propene	41	2.069	2.059	0.010	86	247963	20.0	22.5	
20 Methylene Chloride	84	2.178	2.172	0.006	96	180821	20.0	23.9	
* 21 t-Butyl alcohol-d10 (IS)	65	2.207	2.252	-0.045	85	772135	250.0	250.0	
22 2-Methyl-2-propanol	59	2.272	2.323	-0.051	90	600685	200.0	196.6	
23 Acrylonitrile	53	2.352	2.346	0.006	100	624309	100.0	116.4	
24 trans-1,2-Dichloroethene	96	2.375	2.368	0.007	96	154524	20.0	21.9	
25 Methyl tert-butyl ether	73	2.400	2.387	0.013	94	488686	20.0	21.2	
26 Hexane	57	2.593	2.590	0.003	94	189887	20.0	23.4	
27 1,1-Dichloroethane	63	2.722	2.712	0.010	95	302708	20.0	24.6	
28 Isopropyl ether	45	2.767	2.760	0.007	98	516720	20.0	25.6	
29 2-Chloro-1,3-butadiene	53	2.773	2.767	0.006	91	235290	20.0	21.5	
30 Tert-butyl ethyl ether	59	3.066	3.053	0.013	99	495316	20.0	22.2	
31 2-Butanone (MEK)	43	3.140	3.133	0.007	100	1849408	250.0	279.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 cis-1,2-Dichloroethene	96	3.169	3.166	0.003	81	172462	20.0	21.2	
34 Propionitrile	54	3.188	3.182	0.006	99	440776	150.0	193.8	
33 2,2-Dichloropropane	77	3.191	3.191	0.000	87	225488	20.0	19.5	
35 Methacrylonitrile	67	3.307	3.304	0.003	92	710062	150.0	160.0	
37 Tetrahydrofuran	71	3.339	3.330	0.009	76	222308	100.0	109.1	
36 Chlorobromomethane	128	3.355	3.349	0.006	96	75647	20.0	19.4	
39 Chloroform	83	3.449	3.442	0.006	93	265093	20.0	21.7	
$ 40 Dibromofluoromethane (Surr)	113	3.574	3.567	0.007	93	338406	50.0	47.9	
41 1,1,1-Trichloroethane	97	3.574	3.571	0.003	98	222440	20.0	20.0	
42 Cyclohexane	56	3.632	3.629	0.003	91	316902	20.0	25.1	
43 1,1-Dichloropropene	75	3.686	3.686	0.000	97	187358	20.0	20.5	
44 Carbon tetrachloride	117	3.696	3.690	0.006	72	171454	20.0	19.2	
45 Isobutyl alcohol	41	3.812	3.805	0.007	96	354653	500.0	474.4	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.828	3.825	0.003	89	81771	50.0	48.3	
47 Benzene	78	3.847	3.844	0.003	95	570698	20.0	21.8	
48 1,2-Dichloroethane	62	3.892	3.889	0.003	96	172321	20.0	19.5	
49 Tert-amyl methyl ether	73	3.979	3.976	0.003	97	462320	20.0	21.3	
* 50 Fluorobenzene (IS)	96	4.082	4.079	0.003	98	1255426	50.0	50.0	
51 n-Heptane	43	4.098	4.095	0.003	91	145946	20.0	22.9	
52 n-Butanol	56	4.352	4.352	0.000	89	613233	1000.0	974.0	
53 Trichloroethene	95	4.384	4.384	0.000	98	124066	20.0	19.0	
54 Methylcyclohexane	83	4.584	4.577	0.007	92	246076	20.0	19.8	
55 1,2-Dichloropropane	63	4.590	4.590	0.000	95	140508	20.0	23.4	
56 2-ethoxy-2-methyl butane	87	4.625	4.625	0.000	92	207666	20.0	18.9	
57 1,4-Dioxane	88	4.654	4.654	0.000	58	93546	500.0	590.2	M
59 Dibromomethane	93	4.664	4.661	0.003	90	79577	20.0	19.4	
58 Methyl methacrylate	69	4.670	4.667	0.003	92	114840	20.0	21.1	
60 Dichlorobromomethane	83	4.825	4.825	0.000	99	143017	20.0	20.2	
61 2-Nitropropane	41	5.011	5.011	0.000	100	37349	20.0	16.4	
62 2-Chloroethyl vinyl ether	63	5.082	5.082	0.000	90	88051	20.0	23.0	
63 cis-1,3-Dichloropropene	75	5.198	5.194	0.004	95	160243	20.0	19.4	
64 4-Methyl-2-pentanone (MIBK)	43	5.339	5.339	0.000	97	3534926	250.0	308.7	
$ 65 Toluene-d8 (Surr)	98	5.416	5.416	0.000	93	1148842	50.0	51.4	
66 Toluene	92	5.474	5.471	0.003	98	301655	20.0	20.8	
67 trans-1,3-Dichloropropene	75	5.680	5.677	0.003	93	139122	20.0	19.3	
68 Ethyl methacrylate	69	5.744	5.741	0.003	90	184780	20.0	20.7	
69 1,1,2-Trichloroethane	97	5.821	5.821	0.000	91	101989	20.0	21.2	
70 Tetrachloroethene	166	5.873	5.870	0.003	93	105628	20.0	17.4	
71 1,3-Dichloropropane	76	5.937	5.937	0.000	91	180441	20.0	22.4	
72 2-Hexanone	43	5.995	5.995	0.000	98	2595910	250.0	309.6	
73 Chlorodibromomethane	129	6.091	6.088	0.003	90	90087	20.0	18.8	
75 Ethylene Dibromide	107	6.159	6.159	0.000	99	105146	20.0	19.9	
* 76 Chlorobenzene-d5 (IS)	117	6.477	6.477	0.000	87	841601	50.0	50.0	
77 Chlorobenzene	112	6.497	6.497	0.000	93	313087	20.0	20.0	
78 1-Chlorohexane	91	6.506	6.506	0.000	98	159459	20.0	20.6	
79 1,1,1,2-Tetrachloroethane	131	6.564	6.564	0.000	93	113682	20.0	18.6	
80 Ethylbenzene	91	6.571	6.571	0.000	99	636760	20.0	21.8	
81 m-Xylene & p-Xylene	106	6.657	6.657	0.000	100	456158	40.0	40.0	
82 o-Xylene	106	6.892	6.892	0.000	98	245848	20.0	20.3	
83 Styrene	104	6.905	6.905	0.000	94	361207	20.0	20.4	
84 Bromoform	173	7.008	7.008	0.000	94	58936	20.0	17.4	
85 Isopropylbenzene	105	7.117	7.117	0.000	96	657301	20.0	22.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 86 4-Bromofluorobenzene (Surr)	95	7.214	7.214	0.000	83	458002	50.0	50.6	
87 Bromobenzene	156	7.291	7.291	0.000	95	119889	20.0	19.4	
88 1,1,2,2-Tetrachloroethane	83	7.304	7.304	0.000	93	220895	20.0	24.3	
89 trans-1,4-Dichloro-2-butene	53	7.323	7.323	0.000	86	177454	100.0	65.3	
90 1,2,3-Trichloropropane	110	7.329	7.329	0.000	85	64996	20.0	21.6	
91 N-Propylbenzene	91	7.358	7.358	0.000	99	752637	20.0	23.5	
92 2-Chlorotoluene	126	7.403	7.403	0.000	96	139305	20.0	20.7	
93 1,3,5-Trimethylbenzene	105	7.464	7.464	0.000	95	510643	20.0	21.2	
94 4-Chlorotoluene	126	7.474	7.474	0.000	99	128053	20.0	20.1	
95 tert-Butylbenzene	134	7.635	7.638	-0.003	94	91563	20.0	18.9	
96 1,2,4-Trimethylbenzene	105	7.670	7.670	0.000	98	510395	20.0	21.1	
97 sec-Butylbenzene	105	7.757	7.760	-0.003	95	609611	20.0	21.3	
98 1,3-Dichlorobenzene	146	7.818	7.818	0.000	97	231742	20.0	19.2	
99 4-Isopropyltoluene	119	7.844	7.844	0.000	97	507522	20.0	20.2	
* 100 1,4-Dichlorobenzene-d4	152	7.860	7.860	0.000	97	467980	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.873	7.873	0.000	95	239213	20.0	19.7	
102 1,2,3-Trimethylbenzene	105	7.889	7.889	0.000	99	541009	20.0	21.4	
103 Benzyl chloride	91	7.937	7.937	0.000	99	276261	20.0	15.4	
104 1,3-Diethylbenzene	119	7.995	7.995	0.000	94	287107	20.0	19.9	
105 p-Diethylbenzene	119	8.046	8.046	0.000	94	295656	20.0	19.5	
106 n-Butylbenzene	92	8.059	8.059	0.000	99	261493	20.0	21.8	
107 1,2-Dichlorobenzene	146	8.062	8.062	0.000	96	247059	20.0	19.9	
108 o-diethylbenzene	119	8.098	8.098	0.000	96	241268	20.0	19.7	
109 1,2-Dibromo-3-Chloropropane	75	8.471	8.471	0.000	78	68359	20.0	20.9	
110 1,3,5-Trichlorobenzene	180	8.567	8.567	0.000	96	159103	20.0	18.2	
111 1,2,4-Trichlorobenzene	180	8.882	8.882	0.000	94	167147	20.0	19.1	
112 Hexachlorobutadiene	225	8.956	8.956	0.000	96	53899	20.0	18.3	
113 Naphthalene	128	9.014	9.014	0.000	97	825626	20.0	22.1	
114 1,2,3-Trichlorobenzene	180	9.124	9.124	0.000	96	178990	20.0	20.4	
115 2-Methylnaphthalene	142	9.567	9.567	0.000	93	467135	20.0	24.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_2CEVE_00232	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00254	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00230	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00223	Amount Added: 50.00	Units: uL	
MSV_Cent_ISSS_00041	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 10-Jun-2025 15:40:46 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X34.D

Injection Date: 10-Jun-2025 13:41:38 Instrument ID: 15830 Operator ID: knk41612

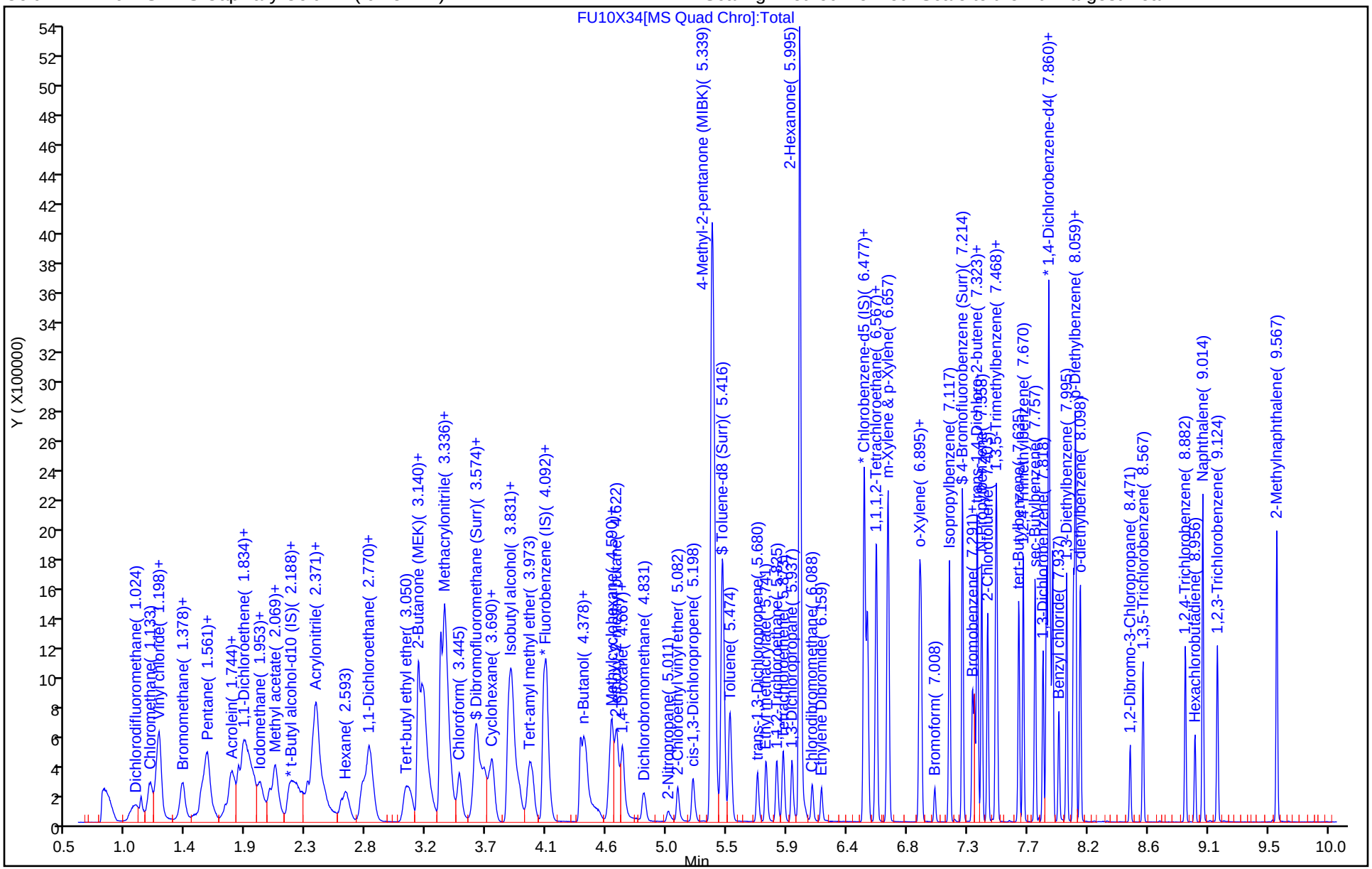
Lims ID: LCS Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 54

Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X34.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 10-Jun-2025 13:41:38 ALS Bottle#: 54 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-005
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 10-Jun-2025 15:40:40 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: DVW2 Date: 10-Jun-2025 15:34:35

Compound	Amount Added	Amount Recovered	% Rec.
$ 40 Dibromofluoromethane (Surr)	50.0	47.9	95.84
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	48.3	96.61
$ 65 Toluene-d8 (Surr)	50.0	51.4	102.75
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.6	101.24

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

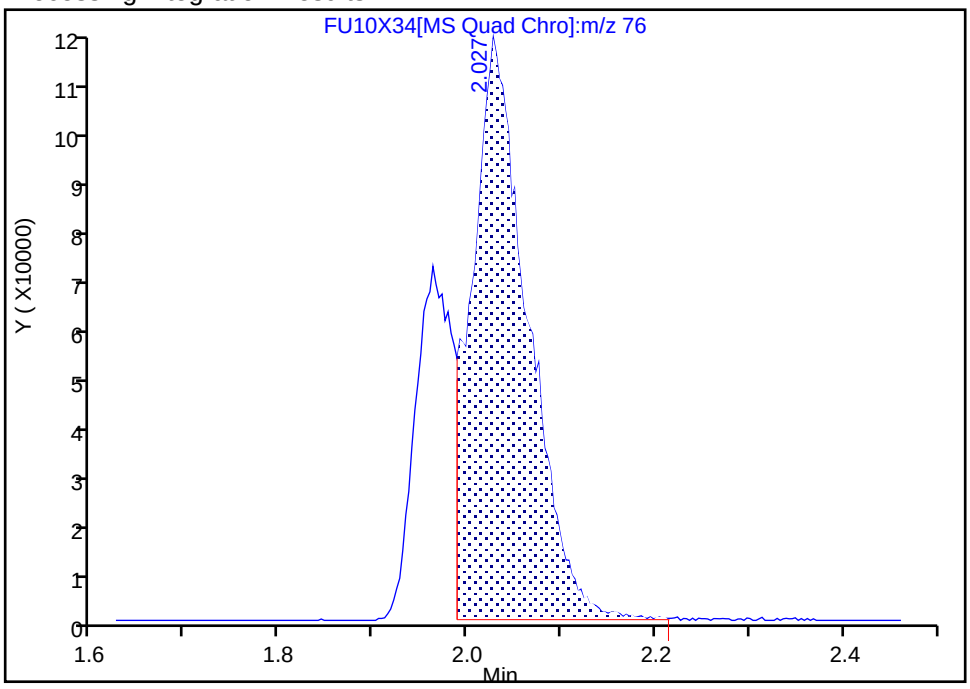
Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X34.D
Injection Date: 10-Jun-2025 13:41:38 Instrument ID: 15830
Lims ID: LCS
Client ID:
Operator ID: knk41612 ALS Bottle#: 54 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

17 Carbon disulfide, CAS: 75-15-0

Signal: 1

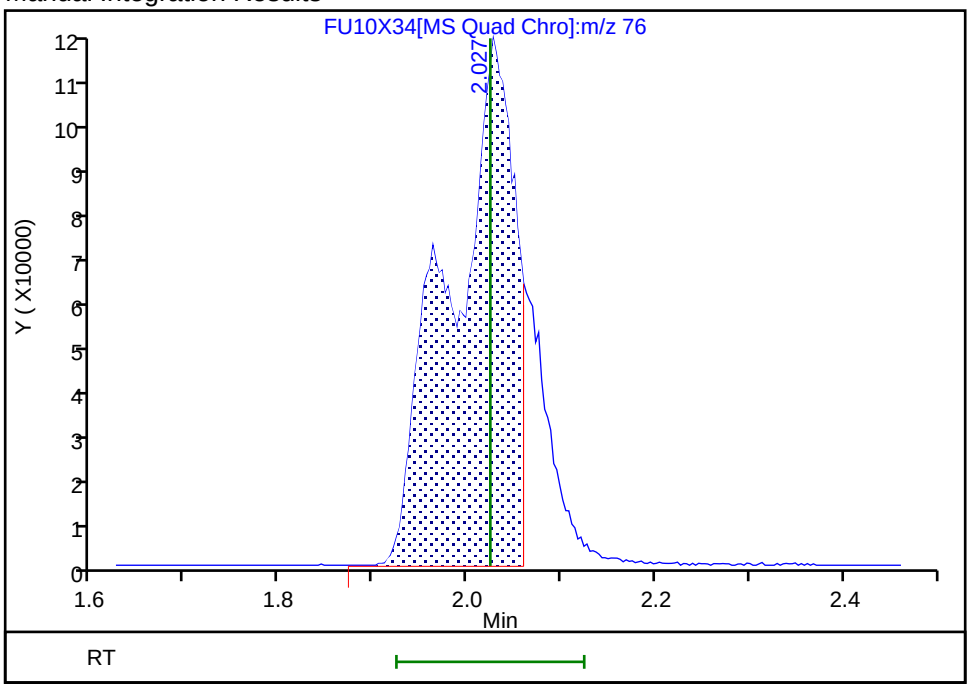
Processing Integration Results

RT: 2.03
Area: 462992
Amount: 21.555326
Amount Units: ug/l



Manual Integration Results

RT: 2.03
Area: 531184
Amount: 24.730112
Amount Units: ug/l



Reviewer: DVW2, 10-Jun-2025 14:22:26 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

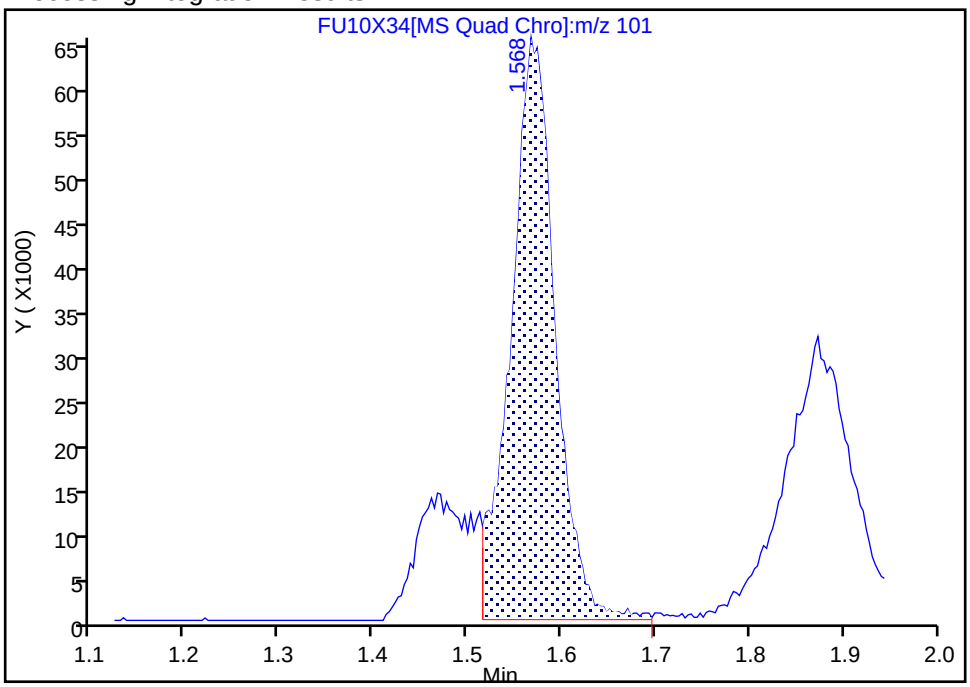
Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X34.D
Injection Date: 10-Jun-2025 13:41:38 Instrument ID: 15830
Lims ID: LCS
Client ID:
Operator ID: knk41612 ALS Bottle#: 54 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_15830_PT2 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

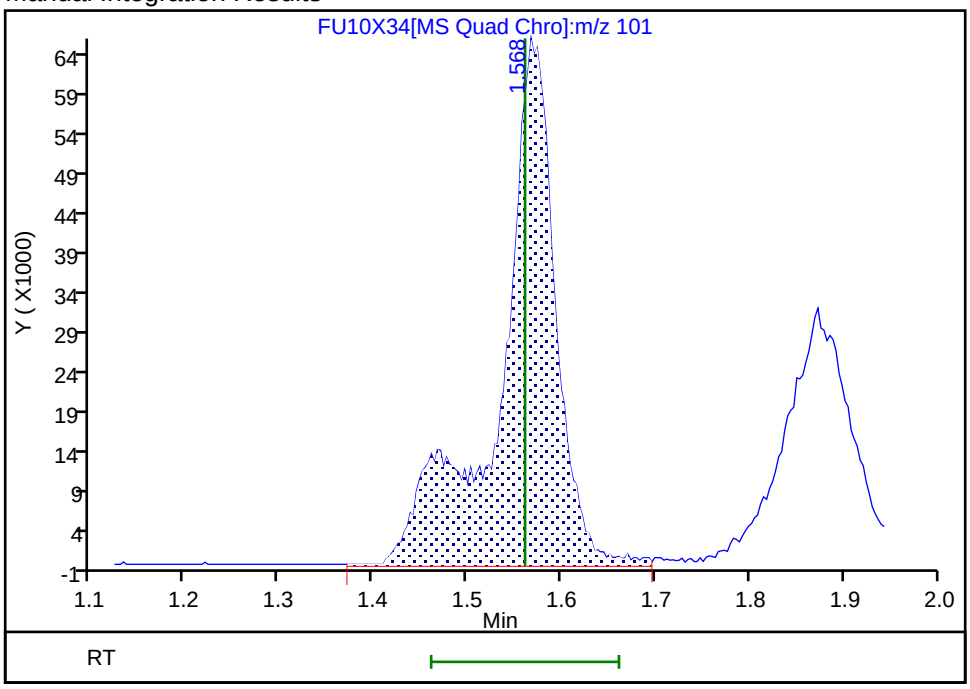
Processing Integration Results

RT: 1.57
Area: 213816
Amount: 16.270601
Amount Units: ug/l



Manual Integration Results

RT: 1.57
Area: 272470
Amount: 20.733952
Amount Units: ug/l



Reviewer: DVW2, 10-Jun-2025 14:22:16 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-656473/5

Matrix: Water
Lab File ID: WU12X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 06/12/2025 10:12

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 656473
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.9		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.0	0.30
79-00-5	1,1,2-Trichloroethane	21.3		1.0	0.30
75-34-3	1,1-Dichloroethane	21.9		1.0	0.30
75-35-4	1,1-Dichloroethene	24.2		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	18.7		5.0	0.30
95-50-1	1,2-Dichlorobenzene	21.4		5.0	0.20
107-06-2	1,2-Dichloroethane	19.9		1.0	0.30
78-87-5	1,2-Dichloropropane	20.9		1.0	0.30
541-73-1	1,3-Dichlorobenzene	22.1		5.0	0.68
106-46-7	1,4-Dichlorobenzene	21.6		5.0	0.30
78-93-3	2-Butanone	216		10	1.0
591-78-6	2-Hexanone	245		10	0.85
108-10-1	4-Methyl-2-pentanone	233		10	0.50
67-64-1	Acetone	283		20	0.70
71-43-2	Benzene	21.3		1.0	0.30
75-27-4	Bromodichloromethane	19.9		1.0	0.20
75-25-2	Bromoform	19.0		4.0	1.0
74-83-9	Bromomethane	21.5		1.0	0.30
75-15-0	Carbon disulfide	20.9		5.0	0.30
56-23-5	Carbon tetrachloride	20.0		1.0	0.30
108-90-7	Chlorobenzene	22.1		1.0	0.30
75-00-3	Chloroethane	20.6		1.0	0.30
67-66-3	Chloroform	21.8		1.0	0.30
74-87-3	Chloromethane	19.2		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	23.0		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.9		1.0	0.20
110-82-7	Cyclohexane	19.1		5.0	1.0
124-48-1	Dibromochloromethane	20.1		1.0	0.20
75-71-8	Dichlorodifluoromethane	19.7		1.0	0.30
100-41-4	Ethylbenzene	21.6		1.0	0.40
76-13-1	Freon 113	19.3		10	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-656473/5

Matrix: Water
Lab File ID: WU12X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 06/12/2025 10:12

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 656473
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	23.6		5.0	0.30
79-20-9	Methyl acetate	18.1		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	17.9		1.0	0.20
108-87-2	Methylcyclohexane	18.9		5.0	0.50
75-09-2	Methylene Chloride	22.7		1.0	0.30
100-42-5	Styrene	21.5		5.0	0.30
127-18-4	Tetrachloroethene	21.9		1.0	0.30
108-88-3	Toluene	22.7		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	22.8		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	20.2		1.0	0.20
79-01-6	Trichloroethene	21.5		1.0	0.30
75-69-4	Trichlorofluoromethane	18.7		1.0	0.30
75-01-4	Vinyl chloride	19.7		1.0	0.30
1330-20-7	Xylene (total)	65.7		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 12-Jun-2025 10:12:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0150115-005
Operator ID: CLM27445 Instrument ID: 9137

Method: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 12-Jun-2025 11:21:06 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1653

First Level Reviewer: TQ4J Date: 12-Jun-2025 11:17:32

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	5 Dichlorodifluoromethane	85	1.988	1.988	0.000	98	205109	20.0	19.7	
	7 Chloromethane	50	2.194	2.194	0.000	100	207889	20.0	19.2	
	8 Vinyl chloride	62	2.306	2.306	0.000	98	207321	20.0	19.7	
	9 Butadiene	39	2.309	2.309	0.000	89	210928	20.0	19.8	
	11 Bromomethane	94	2.669	2.669	0.000	89	162400	20.0	21.5	
	13 Chloroethane	64	2.743	2.743	0.000	99	111612	20.0	20.6	
	14 Dichlorofluoromethane	67	3.003	3.003	0.000	97	317914	20.0	19.3	
	15 Trichlorofluoromethane	101	3.060	3.060	0.000	96	235488	20.0	18.7	
	16 Pentane	43	3.092	3.092	0.000	99	171103	20.0	17.3	
	17 Ethanol	45	3.166	3.166	0.000	60	74187	1000.1	718.9	
	19 1,2-Dichloro-1,1,2-trifluoroetha	67	3.413	3.413	0.000	89	149885	20.0	20.5	
	20 Acrolein	56	3.484	3.484	0.000	99	227905	146.3	170.5	
	21 1,1-Dichloroethene	96	3.641	3.641	0.000	94	133345	20.0	24.2	
	23 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.660	3.660	0.000	72	136024	20.0	19.3	
	22 Acetone	58	3.680	3.680	0.000	100	222722	250.0	283.0	M
	25 Isopropyl alcohol	45	3.843	3.843	0.000	41	102003	150.0	99.3	
	26 Iodomethane	142	3.843	3.843	0.000	100	231330	20.0	20.5	
	27 Carbon disulfide	76	3.959	3.959	0.000	98	449549	20.0	20.9	
	29 Methyl acetate	43	4.087	4.087	0.000	98	126403	20.0	18.1	
	30 3-Chloro-1-propene	41	4.106	4.106	0.000	93	144135	20.0	19.0	
*	34 t-Butyl alcohol-d10 (IS)	65	4.318	4.318	0.000	93	308009	250.0	250.0	
	35 Methylene Chloride	84	4.321	4.321	0.000	90	137850	20.0	22.7	
	36 2-Methyl-2-propanol	59	4.472	4.472	0.000	98	228715	200.0	175.3	
	37 Acrylonitrile	53	4.662	4.662	0.000	99	343217	100.0	96.8	
	38 Methyl tert-butyl ether	73	4.719	4.719	0.000	88	336567	20.0	17.9	
	39 trans-1,2-Dichloroethene	96	4.729	4.729	0.000	98	121227	20.0	22.8	
	40 Hexane	57	5.165	5.165	0.000	90	125764	20.0	18.7	
	41 1,1-Dichloroethane	63	5.396	5.396	0.000	96	198545	20.0	21.9	
	43 Isopropyl ether	45	5.461	5.461	0.000	97	319024	20.0	19.0	
	44 2-Chloro-1,3-butadiene	53	5.502	5.502	0.000	89	155834	20.0	20.1	
	45 Tert-butyl ethyl ether	59	6.003	6.003	0.000	97	309392	20.0	17.6	
S	46 1,2-Dichloroethene, Total	100				0			45.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
47 2-Butanone (MEK)	43	6.192	6.192	0.000	99	1022990	250.0	215.6	
48 cis-1,2-Dichloroethene	96	6.234	6.234	0.000	80	138300	20.0	23.0	
49 2,2-Dichloropropane	77	6.266	6.266	0.000	85	190860	20.0	20.5	
51 Propionitrile	54	6.308	6.308	0.000	96	233527	150.0	205.7	
54 Methacrylonitrile	67	6.513	6.513	0.000	89	501219	150.0	150.5	
55 Chlorobromomethane	128	6.564	6.564	0.000	88	65959	20.0	21.9	
56 Tetrahydrofuran	71	6.568	6.568	0.000	75	136193	100.0	140.0	
57 Chloroform	83	6.722	6.722	0.000	93	195519	20.0	21.8	
$ 58 Dibromofluoromethane (Surr)	113	6.940	6.940	0.000	93	261959	50.0	49.7	
59 1,1,1-Trichloroethane	97	6.949	6.949	0.000	98	198135	20.0	20.9	
60 Cyclohexane	56	7.036	7.036	0.000	87	205591	20.0	19.1	
61 Carbon tetrachloride	117	7.155	7.155	0.000	95	161377	20.0	20.0	
63 1,1-Dichloropropene	75	7.161	7.161	0.000	95	153814	20.0	19.8	
65 Isobutyl alcohol	41	7.309	7.309	0.000	90	184066	500.0	486.6	
$ 66 1,2-Dichloroethane-d4 (Surr)	102	7.389	7.389	0.000	86	68549	50.0	51.3	
67 Benzene	78	7.421	7.421	0.000	96	485761	20.0	21.3	
68 1,2-Dichloroethane	62	7.501	7.501	0.000	97	135813	20.0	19.9	
71 Tert-amyl methyl ether	73	7.620	7.620	0.000	99	314381	20.0	18.6	
* 74 Fluorobenzene (IS)	96	7.826	7.826	0.000	99	1125488	50.0	50.0	
75 n-Heptane	43	7.838	7.838	0.000	54	103029	20.0	17.8	
76 n-Butanol	56	8.201	8.201	0.000	92	280723	1000.0	982.4	
77 Trichloroethene	95	8.304	8.304	0.000	98	122452	20.0	21.5	
79 Methylcyclohexane	83	8.621	8.621	0.000	94	186913	20.0	18.9	
80 1,2-Dichloropropane	63	8.644	8.644	0.000	80	115869	20.0	20.9	
81 2-ethoxy-2-methyl butane	87	8.650	8.650	0.000	93	152217	20.0	19.4	
82 Methyl methacrylate	69	8.721	8.721	0.000	94	91991	20.0	19.4	
83 1,4-Dioxane	88	8.727	8.727	0.000	44	41739	500.0	413.7	
84 Dibromomethane	93	8.756	8.756	0.000	96	73980	20.0	20.7	
86 Dichlorobromomethane	83	8.990	8.990	0.000	99	128920	20.0	19.9	
87 2-Nitropropane	41	9.273	9.273	0.000	98	36472	20.0	25.8	
89 2-Chloroethyl vinyl ether	63	9.350	9.350	0.000	91	65552	20.0	17.7	
92 cis-1,3-Dichloropropene	75	9.533	9.533	0.000	97	148246	20.0	18.9	
93 4-Methyl-2-pentanone (MIBK)	43	9.706	9.706	0.000	95	2161198	250.0	233.0	
$ 95 Toluene-d8 (Surr)	98	9.831	9.831	0.000	93	1084130	50.0	51.8	
98 Toluene	92	9.908	9.908	0.000	99	305917	20.0	22.7	
S 121 1,3-Dichloropropene, Total	100				0			39.1	
125 trans-1,3-Dichloropropene	75	10.168	10.168	0.000	90	137996	20.0	20.2	
127 Ethyl methacrylate	69	10.223	10.223	0.000	87	154805	20.0	19.3	
129 1,1,2-Trichloroethane	97	10.364	10.364	0.000	89	103606	20.0	21.3	
130 Tetrachloroethene	166	10.454	10.454	0.000	98	124976	20.0	21.9	
131 1,3-Dichloropropane	76	10.524	10.524	0.000	86	164065	20.0	20.8	
134 2-Hexanone	43	10.582	10.582	0.000	95	1493385	250.0	245.1	
136 Chlorodibromomethane	129	10.739	10.739	0.000	90	104147	20.0	20.1	
137 Ethylene Dibromide	107	10.848	10.848	0.000	97	108056	20.0	21.3	
S 138 Xylenes, Total	106				0			65.7	
* 139 Chlorobenzene-d5 (IS)	117	11.282	11.282	0.000	84	808569	50.0	50.0	
140 1-Chlorohexane	91	11.288	11.288	0.000	96	140860	20.0	20.2	
141 Chlorobenzene	112	11.307	11.307	0.000	96	322971	20.0	22.1	
142 1,1,1,2-Tetrachloroethane	131	11.391	11.391	0.000	45	123107	20.0	21.4	
143 Ethylbenzene	91	11.391	11.391	0.000	97	590953	20.0	21.6	
144 m-Xylene & p-Xylene	106	11.506	11.506	0.000	100	465303	40.0	44.1	
146 o-Xylene	106	11.833	11.833	0.000	96	239049	20.0	21.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
147 Styrene	104	11.846	11.846	0.000	94	349925	20.0	21.5	
148 Bromoform	173	12.007	12.007	0.000	97	75615	20.0	19.0	
149 Isopropylbenzene	105	12.135	12.135	0.000	95	607948	20.0	23.6	
$ 152 4-Bromofluorobenzene (Surr)	95	12.276	12.276	0.000	89	383352	50.0	47.9	
153 1,1,2,2-Tetrachloroethane	83	12.379	12.379	0.000	94	205665	20.0	21.1	
154 Bromobenzene	156	12.395	12.395	0.000	94	138149	20.0	21.6	
155 trans-1,4-Dichloro-2-butene	53	12.405	12.405	0.000	95	208172	100.0	83.5	
156 1,2,3-Trichloropropane	110	12.430	12.430	0.000	85	63102	20.0	20.8	
157 N-Propylbenzene	91	12.462	12.462	0.000	98	694593	20.0	21.9	
158 2-Chlorotoluene	126	12.539	12.539	0.000	97	146685	20.0	22.2	
159 1,3,5-Trimethylbenzene	105	12.597	12.597	0.000	94	496596	20.0	21.6	
160 4-Chlorotoluene	126	12.632	12.632	0.000	97	137647	20.0	21.6	
161 tert-Butylbenzene	134	12.838	12.838	0.000	92	84331	20.0	19.7	
163 1,2,4-Trimethylbenzene	105	12.880	12.880	0.000	97	499218	20.0	21.0	
164 sec-Butylbenzene	105	13.001	13.001	0.000	94	588216	20.0	21.1	
166 1,3-Dichlorobenzene	146	13.101	13.101	0.000	98	269834	20.0	22.1	
167 4-Isopropyltoluene	119	13.107	13.107	0.000	97	493457	20.0	20.4	
* 168 1,4-Dichlorobenzene-d4	152	13.159	13.159	0.000	94	458519	50.0	50.0	
170 1,4-Dichlorobenzene	146	13.172	13.172	0.000	95	272162	20.0	21.6	
171 1,2,3-Trimethylbenzene	105	13.184	13.184	0.000	98	534884	20.0	21.1	
172 Benzyl chloride	91	13.252	13.252	0.000	98	359149	20.0	20.6	
173 1,3-Diethylbenzene	119	13.310	13.310	0.000	95	295495	20.0	21.1	
174 p-Diethylbenzene	119	13.380	13.380	0.000	94	308714	20.0	20.9	
175 n-Butylbenzene	92	13.403	13.403	0.000	97	245783	20.0	20.9	
176 1,2-Dichlorobenzene	146	13.435	13.435	0.000	99	285214	20.0	21.4	
177 o-diethylbenzene	119	13.454	13.454	0.000	95	251105	20.0	20.7	
179 1,2-Dibromo-3-Chloropropane	75	13.977	13.977	0.000	86	52046	20.0	17.9	
180 1,3,5-Trichlorobenzene	180	14.105	14.105	0.000	98	180649	20.0	19.7	
181 1,2,4-Trichlorobenzene	180	14.529	14.529	0.000	95	173064	20.0	18.7	
183 Hexachlorobutadiene	225	14.606	14.606	0.000	98	53760	20.0	17.2	
184 Naphthalene	128	14.712	14.712	0.000	97	698498	20.0	17.8	
185 1,2,3-Trichlorobenzene	180	14.853	14.853	0.000	97	178210	20.0	18.7	
186 2-Methylnaphthalene	142	15.495	15.495	0.000	91	304389	20.0	17.2	
S 238 Total Diethylbenzene	1				0			62.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_2CEVE_00232	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00230	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00254	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00223	Amount Added: 50.00	Units: uL	
MSV_LCS_ETOH_00010	Amount Added: 50.00	Units: uL	
MSV_Cent_ISSS_00036	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 12-Jun-2025 11:21:07 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X04.D

Injection Date: 12-Jun-2025 10:12:30 Instrument ID: 9137 Operator ID: CLM27445

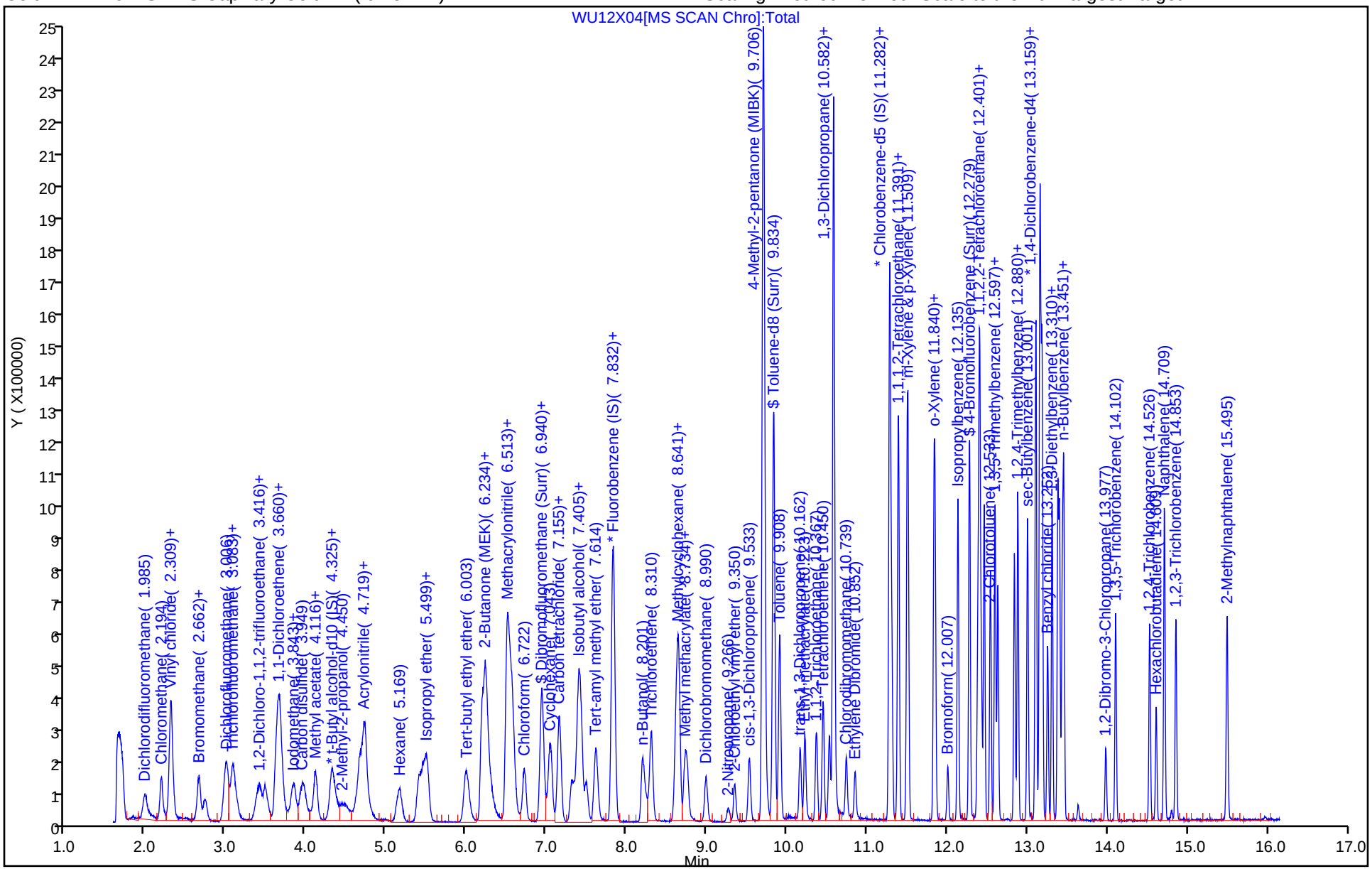
Lims ID: LCS Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSVoa_9137 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 12-Jun-2025 10:12:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0150115-005
Operator ID: CLM27445 Instrument ID: 9137

Method: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 12-Jun-2025 11:21:06 Calib Date: 22-Apr-2025 19:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20250422-144839.b\WA17X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1653

First Level Reviewer: TQ4J Date: 12-Jun-2025 11:17:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 58 Dibromofluoromethane (Surr)	50.0	49.7	99.44
$ 66 1,2-Dichloroethane-d4 (Surr)	50.0	51.3	102.64
$ 95 Toluene-d8 (Surr)	50.0	51.8	103.64
$ 152 4-Bromofluorobenzene (Surr)	50.0	47.9	95.73

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

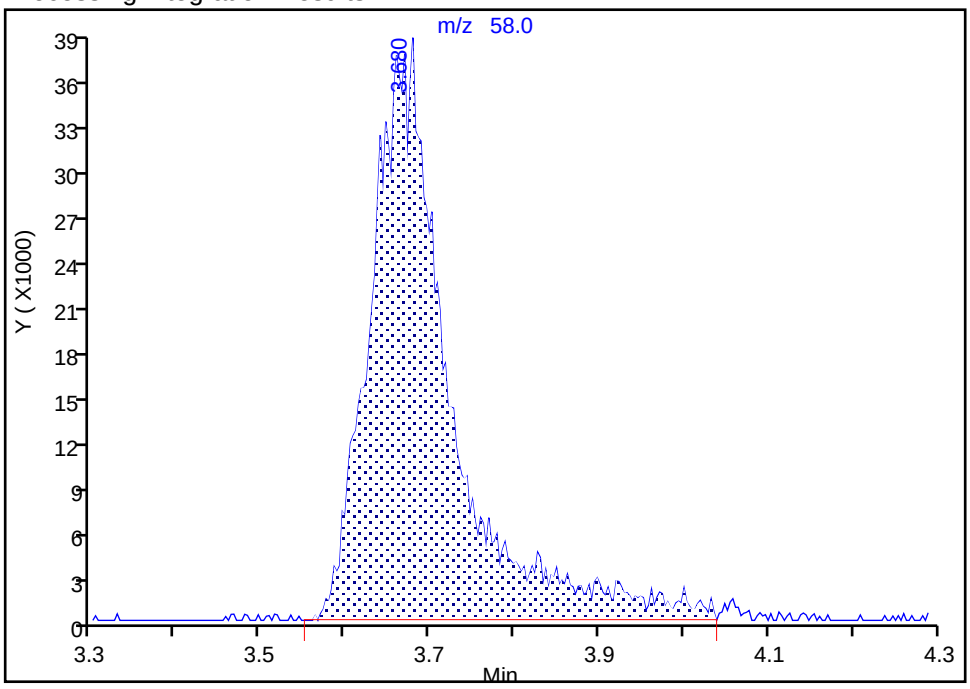
Data File: \\chromfs\Lancaster\ChromData\9137\20250612-150115.b\WU12X04.D
Injection Date: 12-Jun-2025 10:12:30 Instrument ID: 9137
Lims ID: LCS
Client ID:
Operator ID: CLM27445 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

22 Acetone, CAS: 67-64-1

Signal: 1

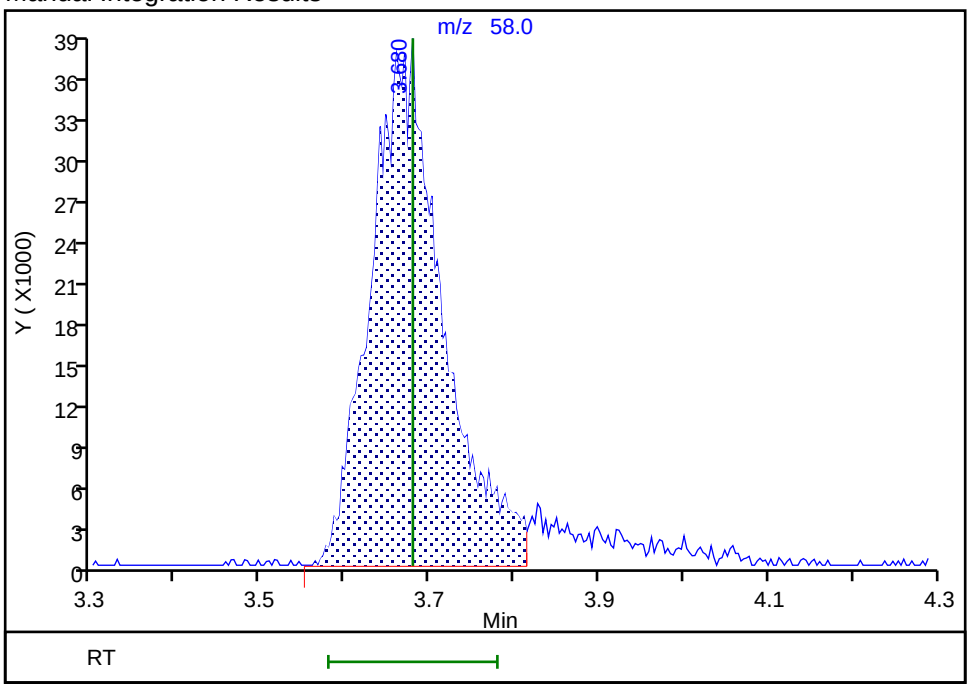
Processing Integration Results

RT: 3.68
Area: 247346
Amount: 314.2914
Amount Units: ug/l



Manual Integration Results

RT: 3.68
Area: 222722
Amount: 283.0028
Amount Units: ug/l



Reviewer: TQ4J, 12-Jun-2025 11:17:06 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MS
Lab Sample ID: 410-225004-2 MS

Matrix: Water
Lab File ID: FU10X47.D

Analysis Method: 8260D
Date Collected: 05/29/2025 11:05

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 17:53

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.5		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	23.8		1.0	0.30
79-00-5	1,1,2-Trichloroethane	21.0		1.0	0.30
75-34-3	1,1-Dichloroethane	25.6		1.0	0.30
75-35-4	1,1-Dichloroethene	28.0		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	15.9		5.0	0.30
95-50-1	1,2-Dichlorobenzene	19.5		5.0	0.20
107-06-2	1,2-Dichloroethane	19.3		1.0	0.30
78-87-5	1,2-Dichloropropane	23.8		1.0	0.30
541-73-1	1,3-Dichlorobenzene	19.0		5.0	0.68
106-46-7	1,4-Dichlorobenzene	19.5		5.0	0.30
78-93-3	2-Butanone	275		10	1.0
591-78-6	2-Hexanone	296		10	0.85
108-10-1	4-Methyl-2-pentanone	298		10	0.50
67-64-1	Acetone	302		20	0.70
71-43-2	Benzene	23.0		1.0	0.30
75-27-4	Bromodichloromethane	20.0		1.0	0.20
75-25-2	Bromoform	15.9		4.0	1.0
74-83-9	Bromomethane	22.5		1.0	0.30
75-15-0	Carbon disulfide	29.0		5.0	0.30
56-23-5	Carbon tetrachloride	19.2		1.0	0.30
108-90-7	Chlorobenzene	20.7		1.0	0.30
75-00-3	Chloroethane	25.3		1.0	0.30
67-66-3	Chloroform	22.3		1.0	0.30
74-87-3	Chloromethane	26.5		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	22.1		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.1		1.0	0.20
110-82-7	Cyclohexane	27.8		5.0	1.0
124-48-1	Dibromochloromethane	17.3		1.0	0.20
75-71-8	Dichlorodifluoromethane	23.8		1.0	0.30
100-41-4	Ethylbenzene	22.2		1.0	0.40
76-13-1	Freon 113	25.1		10	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MS
Lab Sample ID: 410-225004-2 MS

Matrix: Water
Lab File ID: FU10X47.D

Analysis Method: 8260D
Date Collected: 05/29/2025 11:05

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 17:53

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	23.8		5.0	0.30
79-20-9	Methyl acetate	15.3		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	20.7		1.0	0.20
108-87-2	Methylcyclohexane	22.1		5.0	0.50
75-09-2	Methylene Chloride	24.9		1.0	0.30
100-42-5	Styrene	20.4		5.0	0.30
127-18-4	Tetrachloroethene	18.7		1.0	0.30
108-88-3	Toluene	21.7		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	23.5		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	17.2		1.0	0.20
79-01-6	Trichloroethene	20.2		1.0	0.30
75-69-4	Trichlorofluoromethane	23.0		1.0	0.30
75-01-4	Vinyl chloride	26.3		1.0	0.30
1330-20-7	Xylene (total)	62.0		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X47.D
Lims ID: 410-225004-C-2 MS
Client ID: MW-3D
Sample Type: MS
Inject. Date: 10-Jun-2025 17:53:57 ALS Bottle#: 67 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-018
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 13:45:11 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: FQ4L Date: 11-Jun-2025 13:45:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.021	1.008	0.013	97	243294	20.0	23.8	
2 Chloromethane	50	1.127	1.124	0.003	98	305691	20.0	26.5	
4 Vinyl chloride	62	1.182	1.179	0.004	97	263745	20.0	26.3	
3 Butadiene	39	1.198	1.191	0.007	91	429766	20.0	36.6	
5 Bromomethane	94	1.371	1.362	0.009	91	159842	20.0	22.5	
6 Chloroethane	64	1.381	1.375	0.006	89	149426	20.0	25.3	
7 Pentane	43	1.519	1.510	0.009	97	315195	20.0	30.6	
8 Dichlorofluoromethane	67	1.551	1.548	0.003	97	425761	20.0	25.0	
9 Trichlorofluoromethane	101	1.568	1.561	0.007	97	298795	20.0	23.0	M
11 Acrolein	56	1.735	1.732	0.003	99	413742	146.3	183.1	
10 1,2-Dichloro-1,1,2-trifluoroetha	67	1.754	1.741	0.013	90	228069	20.0	25.9	
12 1,1-Dichloroethene	96	1.809	1.812	-0.003	98	171294	20.0	28.0	
13 Acetone	58	1.838	1.825	0.013	100	385593	250.0	302.5	
14 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.870	1.867	0.003	95	179105	20.0	25.1	
15 Iodomethane	142	1.937	1.941	-0.004	97	250084	20.0	19.8	
16 Isopropyl alcohol	45	1.957	1.941	0.016	38	128634	150.0	117.2	
17 Carbon disulfide	76	2.027	2.024	0.003	99	613876	20.0	29.0	M
19 Methyl acetate	43	2.063	2.056	0.007	59	146570	20.0	15.3	M
18 3-Chloro-1-propene	41	2.069	2.059	0.010	86	255567	20.0	23.5	
20 Methylene Chloride	84	2.188	2.172	0.016	98	186597	20.0	24.9	
* 21 t-Butyl alcohol-d10 (IS)	65	2.220	2.252	-0.032	92	695669	250.0	250.0	
22 2-Methyl-2-propanol	59	2.268	2.323	-0.055	99	470211	200.0	170.8	
23 Acrylonitrile	53	2.349	2.346	0.003	99	590768	100.0	111.6	
24 trans-1,2-Dichloroethene	96	2.375	2.368	0.007	97	163707	20.0	23.5	
25 Methyl tert-butyl ether	73	2.404	2.387	0.017	93	469483	20.0	20.7	
26 Hexane	57	2.593	2.590	0.003	94	209693	20.0	26.1	
27 1,1-Dichloroethane	63	2.715	2.712	0.003	96	309939	20.0	25.6	
28 Isopropyl ether	45	2.767	2.760	0.007	97	509242	20.0	25.5	
29 2-Chloro-1,3-butadiene	53	2.770	2.767	0.003	91	255110	20.0	23.7	
30 Tert-butyl ethyl ether	59	3.053	3.053	0.000	99	453194	20.0	20.5	
31 2-Butanone (MEK)	43	3.137	3.133	0.004	100	1792318	250.0	274.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 cis-1,2-Dichloroethene	96	3.169	3.166	0.003	82	177846	20.0	22.1	
34 Propionitrile	54	3.191	3.182	0.009	97	397565	150.0	194.0	
33 2,2-Dichloropropane	77	3.198	3.191	0.007	88	217659	20.0	19.1	
35 Methacrylonitrile	67	3.307	3.304	0.003	95	693132	150.0	158.2	
37 Tetrahydrofuran	71	3.333	3.330	0.003	81	202086	100.0	110.1	
36 Chlorobromomethane	128	3.352	3.349	0.003	95	75401	20.0	19.6	
39 Chloroform	83	3.448	3.442	0.006	93	268721	20.0	22.3	
$ 40 Dibromofluoromethane (Surr)	113	3.567	3.567	0.000	93	337934	50.0	48.5	
41 1,1,1-Trichloroethane	97	3.577	3.571	0.006	97	225801	20.0	20.5	
42 Cyclohexane	56	3.629	3.629	0.000	90	347444	20.0	27.8	
43 1,1-Dichloropropene	75	3.690	3.686	0.004	97	203285	20.0	22.6	
44 Carbon tetrachloride	117	3.686	3.690	-0.004	70	169214	20.0	19.2	
45 Isobutyl alcohol	41	3.809	3.805	0.004	95	292563	500.0	434.3	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.834	3.825	0.009	91	80519	50.0	48.2	
47 Benzene	78	3.844	3.844	0.000	95	594615	20.0	23.0	
48 1,2-Dichloroethane	62	3.892	3.889	0.003	96	168100	20.0	19.3	
49 Tert-amyl methyl ether	73	3.976	3.976	0.000	97	433683	20.0	20.2	
* 50 Fluorobenzene (IS)	96	4.088	4.079	0.009	98	1239269	50.0	50.0	
51 n-Heptane	43	4.098	4.095	0.003	89	154044	20.0	24.5	
52 n-Butanol	56	4.355	4.352	0.003	91	483076	1000.0	851.6	
53 Trichloroethene	95	4.381	4.384	-0.003	97	130229	20.0	20.2	
54 Methylcyclohexane	83	4.580	4.577	0.003	94	271510	20.0	22.1	
55 1,2-Dichloropropane	63	4.596	4.590	0.006	96	140889	20.0	23.8	
56 2-ethoxy-2-methyl butane	87	4.625	4.625	0.000	92	196419	20.0	18.1	
57 1,4-Dioxane	88	4.657	4.654	0.003	54	72620	500.0	508.6	M
59 Dibromomethane	93	4.664	4.661	0.003	90	78838	20.0	19.4	
58 Methyl methacrylate	69	4.670	4.667	0.003	92	104371	20.0	19.4	
60 Dichlorobromomethane	83	4.828	4.825	0.003	99	139791	20.0	20.0	
61 2-Nitropropane	41	5.008	5.011	-0.003	95	28171	20.0	14.3	
62 2-Chloroethyl vinyl ether	63		5.082				ND	ND	
63 cis-1,3-Dichloropropene	75	5.194	5.194	0.000	95	147509	20.0	18.1	
64 4-Methyl-2-pentanone (MIBK)	43	5.339	5.339	0.000	97	3371267	250.0	298.2	
$ 65 Toluene-d8 (Surr)	98	5.416	5.416	0.000	94	1134037	50.0	51.2	
66 Toluene	92	5.471	5.471	0.000	98	311470	20.0	21.7	
67 trans-1,3-Dichloropropene	75	5.677	5.677	0.000	94	122695	20.0	17.2	
68 Ethyl methacrylate	69	5.744	5.741	0.003	91	167284	20.0	18.9	
69 1,1,2-Trichloroethane	97	5.825	5.821	0.004	90	100078	20.0	21.0	
70 Tetrachloroethene	166	5.870	5.870	0.000	94	112558	20.0	18.7	
71 1,3-Dichloropropane	76	5.937	5.937	0.000	91	176609	20.0	22.2	
72 2-Hexanone	43	5.995	5.995	0.000	98	2457284	250.0	296.0	
73 Chlorodibromomethane	129	6.088	6.088	0.000	91	81992	20.0	17.3	
75 Ethylene Dibromide	107	6.159	6.159	0.000	99	99132	20.0	18.9	
* 76 Chlorobenzene-d5 (IS)	117	6.477	6.477	0.000	87	833414	50.0	50.0	
77 Chlorobenzene	112	6.497	6.497	0.000	93	320496	20.0	20.7	
78 1-Chlorohexane	91	6.506	6.506	0.000	97	164782	20.0	21.5	
79 1,1,1,2-Tetrachloroethane	131	6.564	6.564	0.000	92	106329	20.0	17.6	
80 Ethylbenzene	91	6.571	6.571	0.000	99	642124	20.0	22.2	
81 m-Xylene & p-Xylene	106	6.657	6.657	0.000	99	469272	40.0	41.6	
82 o-Xylene	106	6.892	6.892	0.000	98	245067	20.0	20.4	
83 Styrene	104	6.905	6.905	0.000	95	359030	20.0	20.4	
84 Bromoform	173	7.008	7.008	0.000	94	53321	20.0	15.9	
85 Isopropylbenzene	105	7.117	7.117	0.000	96	680467	20.0	23.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 86 4-Bromofluorobenzene (Surr)	95	7.214	7.214	0.000	82	455827	50.0	50.9	
87 Bromobenzene	156	7.291	7.291	0.000	95	117713	20.0	19.2	
88 1,1,2,2-Tetrachloroethane	83	7.304	7.304	0.000	94	214385	20.0	23.8	
89 trans-1,4-Dichloro-2-butene	53	7.323	7.323	0.000	86	167811	100.0	62.1	
90 1,2,3-Trichloropropane	110	7.329	7.329	0.000	85	59772	20.0	20.0	
91 N-Propylbenzene	91	7.358	7.358	0.000	99	759582	20.0	23.9	
92 2-Chlorotoluene	126	7.403	7.403	0.000	96	139187	20.0	20.8	
93 1,3,5-Trimethylbenzene	105	7.464	7.464	0.000	94	512484	20.0	21.5	
94 4-Chlorotoluene	126	7.474	7.474	0.000	98	132578	20.0	21.0	
95 tert-Butylbenzene	134	7.638	7.638	0.000	94	90752	20.0	18.9	
96 1,2,4-Trimethylbenzene	105	7.670	7.670	0.000	98	513095	20.0	21.3	
97 sec-Butylbenzene	105	7.760	7.760	0.000	94	613217	20.0	21.6	
98 1,3-Dichlorobenzene	146	7.818	7.818	0.000	97	228073	20.0	19.0	
99 4-Isopropyltoluene	119	7.844	7.844	0.000	97	493401	20.0	19.8	
* 100 1,4-Dichlorobenzene-d4	152	7.860	7.860	0.000	96	464880	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.873	7.873	0.000	95	235713	20.0	19.5	
102 1,2,3-Trimethylbenzene	105	7.889	7.889	0.000	99	524908	20.0	20.9	
103 Benzyl chloride	91	7.937	7.937	0.000	98	236651	20.0	13.3	
104 1,3-Diethylbenzene	119	7.995	7.995	0.000	95	281713	20.0	19.7	
105 p-Diethylbenzene	119	8.046	8.046	0.000	93	292101	20.0	19.4	
106 n-Butylbenzene	92	8.059	8.059	0.000	98	253288	20.0	21.3	
107 1,2-Dichlorobenzene	146	8.062	8.062	0.000	95	240184	20.0	19.5	
108 o-diethylbenzene	119	8.098	8.098	0.000	97	238411	20.0	19.6	
109 1,2-Dibromo-3-Chloropropane	75	8.471	8.471	0.000	77	56237	20.0	17.3	
110 1,3,5-Trichlorobenzene	180	8.567	8.567	0.000	96	137849	20.0	15.8	
111 1,2,4-Trichlorobenzene	180	8.882	8.882	0.000	93	138604	20.0	15.9	
112 Hexachlorobutadiene	225	8.956	8.956	0.000	97	45324	20.0	15.5	
113 Naphthalene	128	9.014	9.014	0.000	97	694707	20.0	18.7	
114 1,2,3-Trichlorobenzene	180	9.124	9.124	0.000	94	133931	20.0	15.4	
115 2-Methylnaphthalene	142	9.567	9.567	0.000	92	280745	20.0	14.6	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

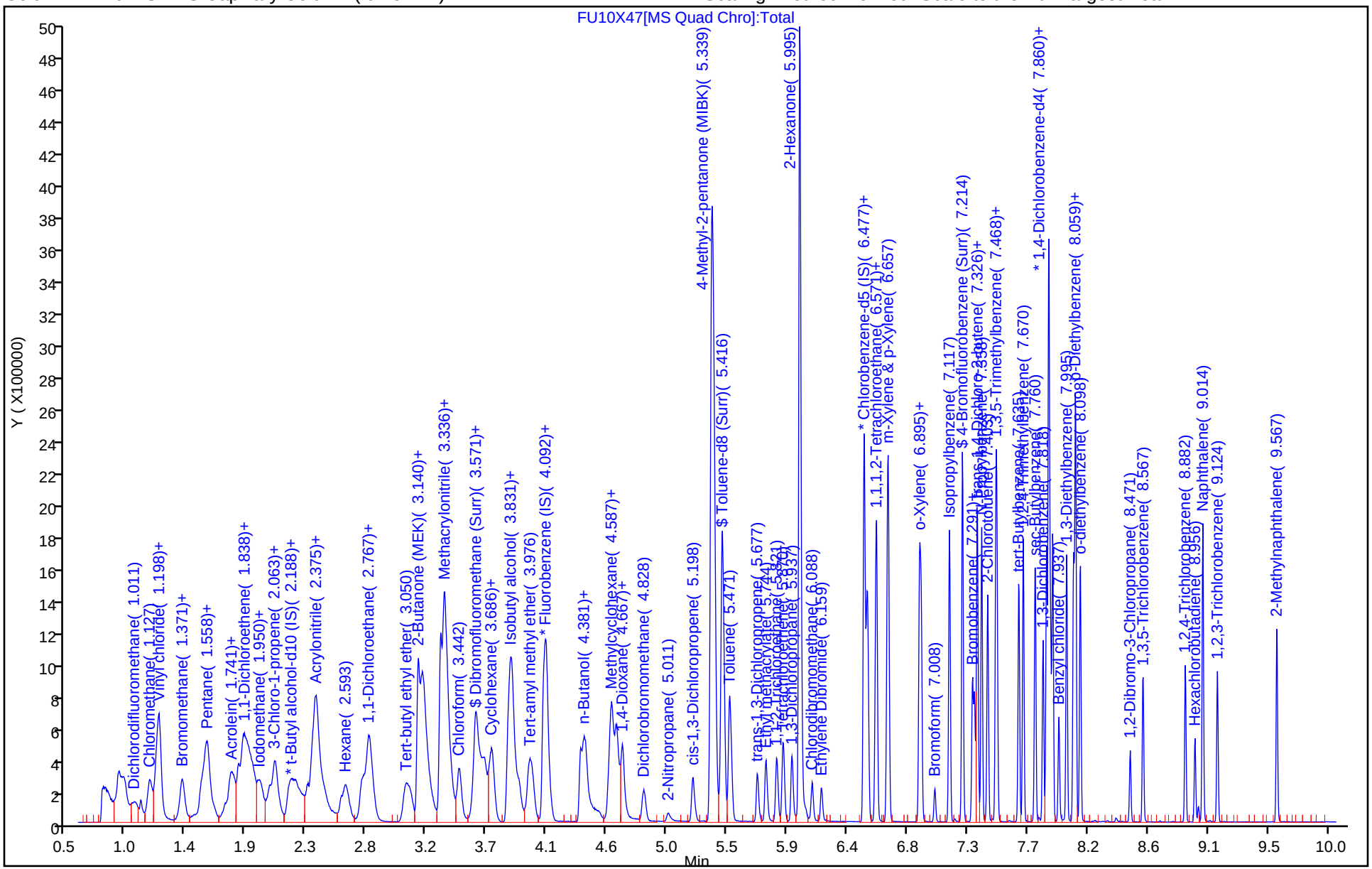
MSV_LCS_2CEVE_00232	Amount Added:	21.50	Units: uL	
MSV_LCS_Gases_00254	Amount Added:	21.50	Units: uL	
MSV_LCS_ACROL_00230	Amount Added:	21.50	Units: uL	
MSV_LCS_VOC#1_00223	Amount Added:	21.50	Units: uL	
MSV_Cent_ISSS_00041	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 11-Jun-2025 13:45:12 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X47.D				
Injection Date:	10-Jun-2025 17:53:57	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	410-225004-C-2 MS			Worklist Smp#:	18
Client ID:	MW-3D				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	67
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X47.D
Lims ID: 410-225004-C-2 MS
Client ID: MW-3D
Sample Type: MS
Inject. Date: 10-Jun-2025 17:53:57 ALS Bottle#: 67 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-018
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 13:45:11 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: FQ4L Date: 11-Jun-2025 13:45:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 40 Dibromofluoromethane (Surr)	50.0	48.5	96.95
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	48.2	96.37
$ 65 Toluene-d8 (Surr)	50.0	51.2	102.42
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.9	101.75

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

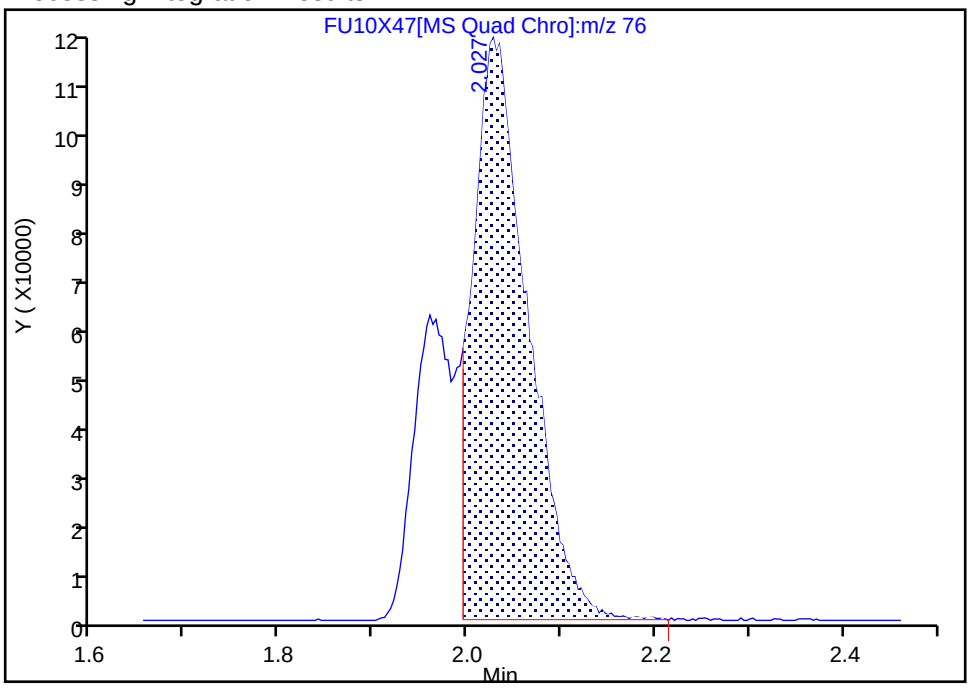
Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X47.D				
Injection Date:	10-Jun-2025 17:53:57	Instrument ID:	15830		
Lims ID:	410-225004-C-2 MS				
Client ID:	MW-3D				
Operator ID:	knk41612	ALS Bottle#:	67	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

17 Carbon disulfide, CAS: 75-15-0

Signal: 1

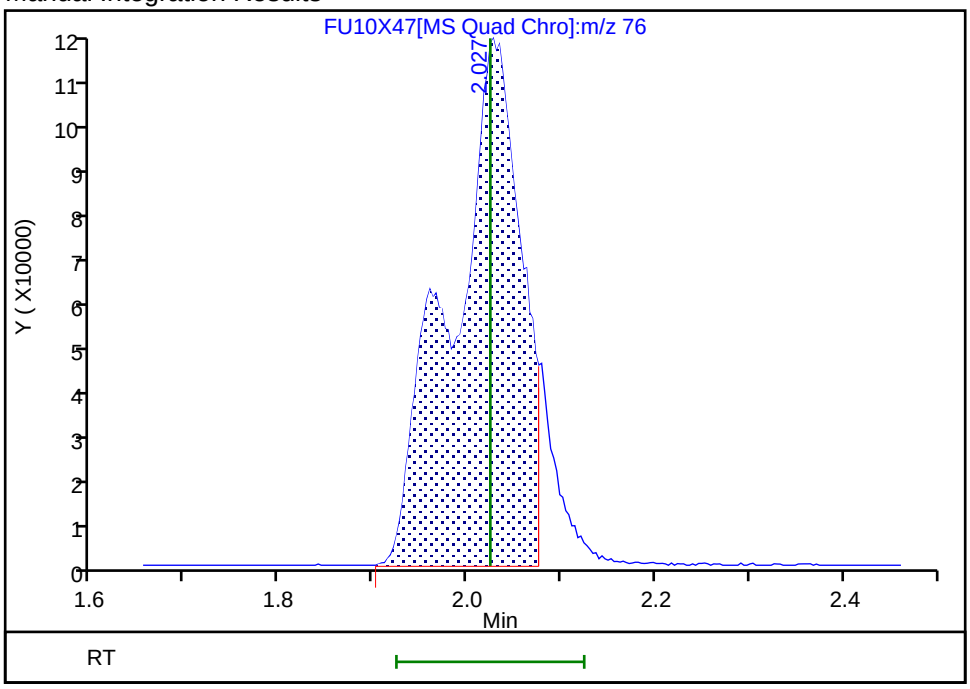
Processing Integration Results

RT: 2.03
Area: 483096
Amount: 22.784530
Amount Units: ug/l



Manual Integration Results

RT: 2.03
Area: 613876
Amount: 28.952581
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2025 13:41:26 07:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

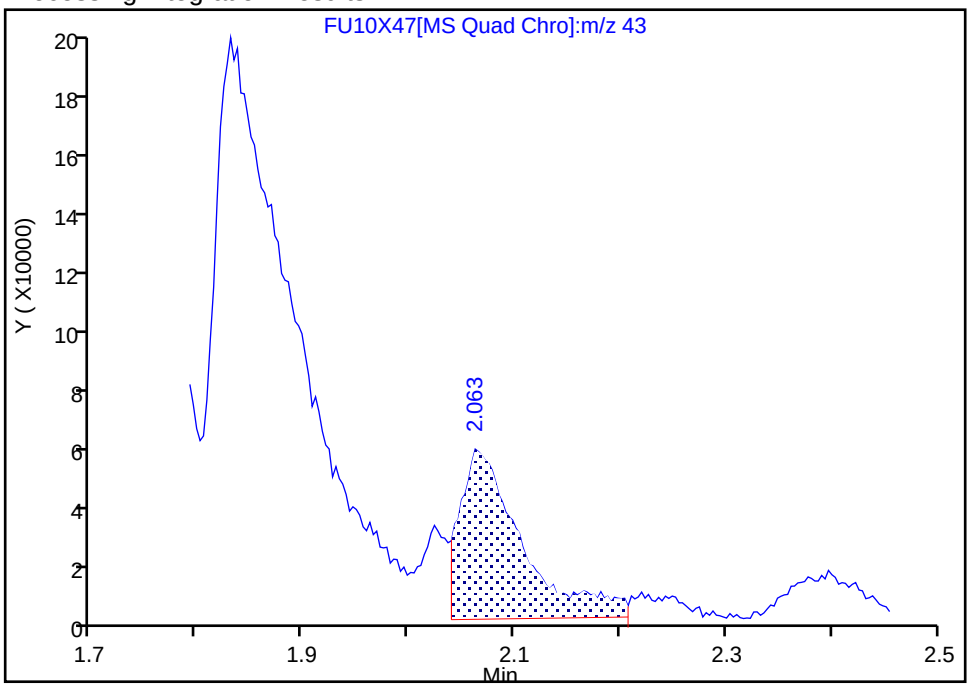
Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X47.D				
Injection Date:	10-Jun-2025 17:53:57	Instrument ID:	15830		
Lims ID:	410-225004-C-2 MS				
Client ID:	MW-3D				
Operator ID:	knk41612	ALS Bottle#:	67	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Methyl acetate, CAS: 79-20-9

Signal: 1

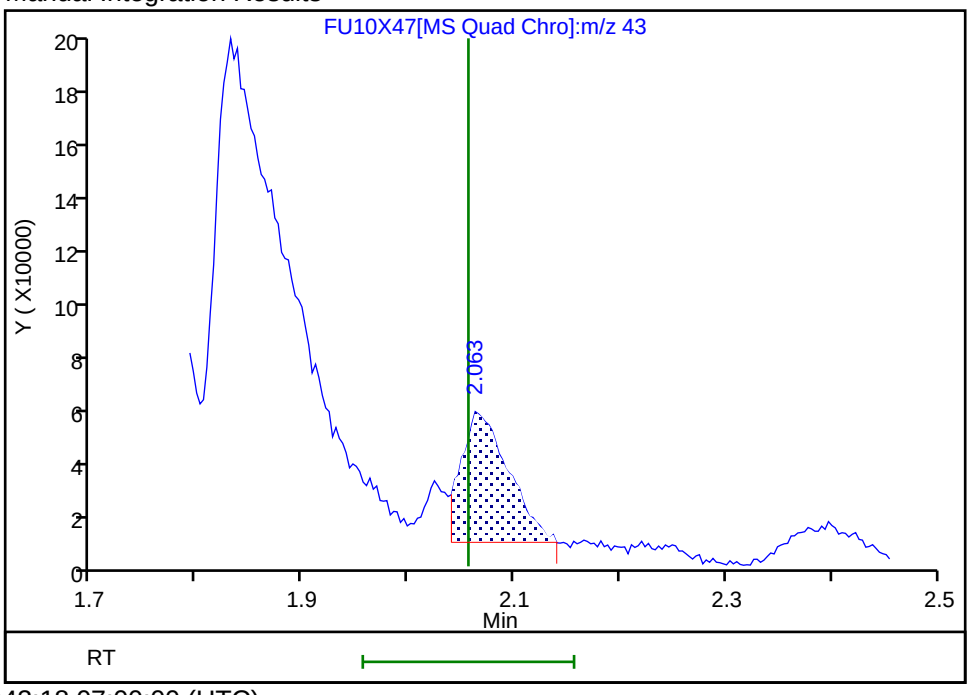
Processing Integration Results

RT: 2.06
Area: 228366
Amount: 23.779961
Amount Units: ug/l



Manual Integration Results

RT: 2.06
Area: 146570
Amount: 15.262469
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2025 13:43:18 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

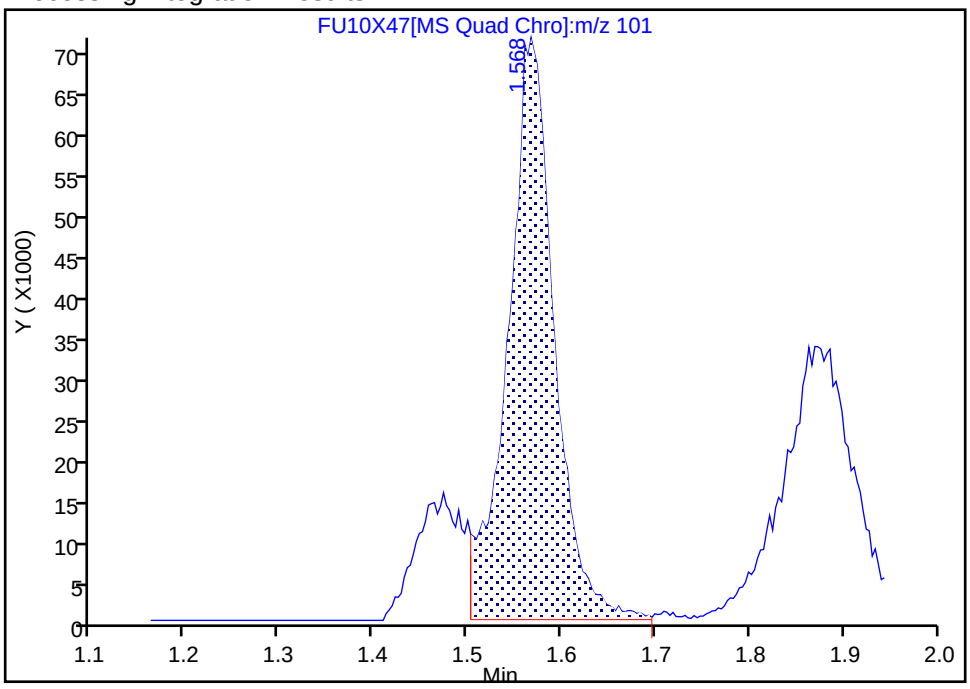
Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X47.D				
Injection Date:	10-Jun-2025 17:53:57	Instrument ID:	15830		
Lims ID:	410-225004-C-2 MS				
Client ID:	MW-3D				
Operator ID:	knk41612	ALS Bottle#:	67	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

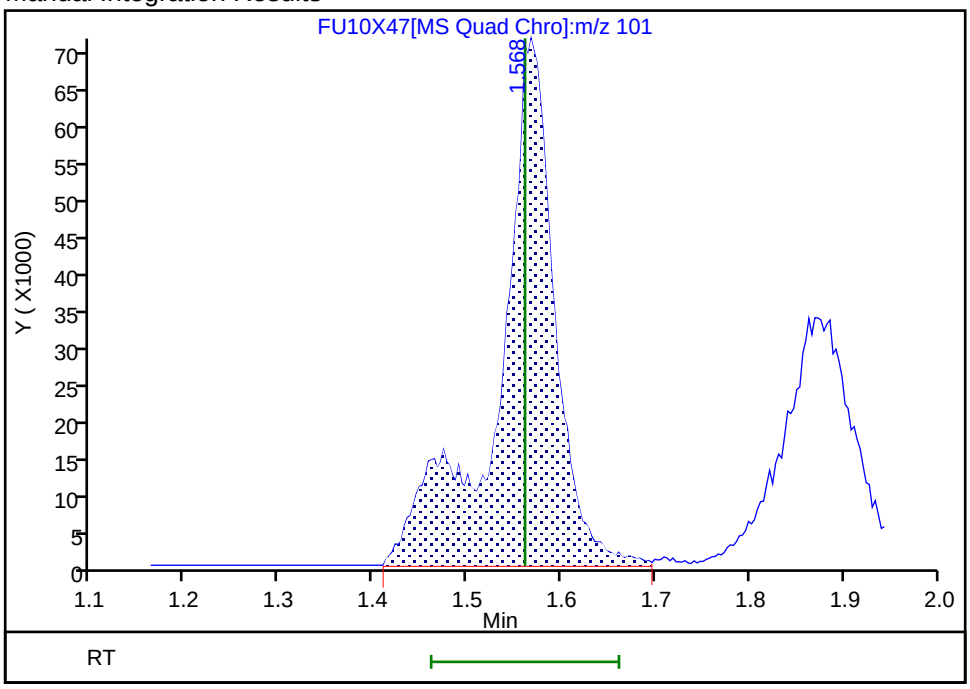
Processing Integration Results

RT: 1.57
Area: 246904
Amount: 19.033430
Amount Units: ug/l



Manual Integration Results

RT: 1.57
Area: 298795
Amount: 23.033623
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2025 13:40:31 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MSD
Lab Sample ID: 410-225004-2 MSD

Matrix: Water
Lab File ID: FU10X48.D

Analysis Method: 8260D
Date Collected: 05/29/2025 11:05

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 18:13

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.4		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	25.3		1.0	0.30
79-00-5	1,1,2-Trichloroethane	21.0		1.0	0.30
75-34-3	1,1-Dichloroethane	26.0		1.0	0.30
75-35-4	1,1-Dichloroethene	28.6		1.0	0.30
120-82-1	1,2,4-Trichlorobenzene	18.2		5.0	0.30
95-50-1	1,2-Dichlorobenzene	20.7		5.0	0.20
107-06-2	1,2-Dichloroethane	19.9		1.0	0.30
78-87-5	1,2-Dichloropropane	24.0		1.0	0.30
541-73-1	1,3-Dichlorobenzene	20.1		5.0	0.68
106-46-7	1,4-Dichlorobenzene	20.5		5.0	0.30
78-93-3	2-Butanone	288		10	1.0
591-78-6	2-Hexanone	307		10	0.85
108-10-1	4-Methyl-2-pentanone	303		10	0.50
67-64-1	Acetone	317		20	0.70
71-43-2	Benzene	23.5		1.0	0.30
75-27-4	Bromodichloromethane	20.2		1.0	0.20
75-25-2	Bromoform	16.2		4.0	1.0
74-83-9	Bromomethane	22.7		1.0	0.30
75-15-0	Carbon disulfide	29.9		5.0	0.30
56-23-5	Carbon tetrachloride	19.9		1.0	0.30
108-90-7	Chlorobenzene	21.1		1.0	0.30
75-00-3	Chloroethane	25.7		1.0	0.30
67-66-3	Chloroform	22.1		1.0	0.30
74-87-3	Chloromethane	26.9		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	22.1		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.8		1.0	0.20
110-82-7	Cyclohexane	28.0		5.0	1.0
124-48-1	Dibromochloromethane	18.2		1.0	0.20
75-71-8	Dichlorodifluoromethane	24.4		1.0	0.30
100-41-4	Ethylbenzene	22.8		1.0	0.40
76-13-1	Freon 113	25.5		10	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MSD
Lab Sample ID: 410-225004-2 MSD

Matrix: Water
Lab File ID: FU10X48.D

Analysis Method: 8260D
Date Collected: 05/29/2025 11:05

Sample wt/vol: 5(mL)
Date Analyzed: 06/10/2025 18:13

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 655353
Units: ug/L

Preparation Batch No.:
Instrument ID: 15830

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	24.2		5.0	0.30
79-20-9	Methyl acetate	16.7		5.0	0.30
1634-04-4	Methyl tertiary butyl ether	21.3		1.0	0.20
108-87-2	Methylcyclohexane	22.3		5.0	0.50
75-09-2	Methylene Chloride	24.8		1.0	0.30
100-42-5	Styrene	21.3		5.0	0.30
127-18-4	Tetrachloroethene	19.0		1.0	0.30
108-88-3	Toluene	22.4		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	23.0		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.2		1.0	0.20
79-01-6	Trichloroethene	20.8		1.0	0.30
75-69-4	Trichlorofluoromethane	23.3		1.0	0.30
75-01-4	Vinyl chloride	26.9		1.0	0.30
1330-20-7	Xylene (total)	64.0		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X48.D
Lims ID: 410-225004-C-2 MSD
Client ID: MW-3D
Sample Type: MSD
Inject. Date: 10-Jun-2025 18:13:20 ALS Bottle#: 68 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-019
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 13:44:22 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: FQ4L Date: 11-Jun-2025 13:44:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.014	1.008	0.006	98	251248	20.0	24.4	
2 Chloromethane	50	1.124	1.124	0.000	98	311954	20.0	26.9	
4 Vinyl chloride	62	1.178	1.179	0.000	97	271750	20.0	26.9	
3 Butadiene	39	1.191	1.191	0.000	93	445094	20.0	37.6	
5 Bromomethane	94	1.362	1.362	0.000	91	162079	20.0	22.7	
6 Chloroethane	64	1.374	1.375	-0.001	100	152560	20.0	25.7	
7 Pentane	43	1.516	1.510	0.006	98	325722	20.0	31.4	
8 Dichlorofluoromethane	67	1.548	1.548	0.000	97	434995	20.0	25.4	
9 Trichlorofluoromethane	101	1.558	1.561	-0.003	99	304471	20.0	23.3	M
11 Acrolein	56	1.741	1.732	0.009	99	424490	146.3	192.9	
10 1,2-Dichloro-1,1,2-trifluoroetha	67	1.741	1.741	0.000	93	231071	20.0	26.1	
12 1,1-Dichloroethene	96	1.808	1.812	-0.004	94	176146	20.0	28.6	
13 Acetone	58	1.837	1.825	0.012	100	393843	250.0	317.2	
14 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.873	1.867	0.006	95	183226	20.0	25.5	
15 Iodomethane	142	1.940	1.941	-0.001	99	256629	20.0	20.2	
16 Isopropyl alcohol	45	1.944	1.941	0.003	91	151976	150.0	142.2	
17 Carbon disulfide	76	2.027	2.024	0.003	100	637135	20.0	29.9	M
19 Methyl acetate	43	2.062	2.056	0.006	85	161885	20.0	16.7	M
18 3-Chloro-1-propene	41	2.059	2.059	0.000	85	264313	20.0	24.1	
20 Methylene Chloride	84	2.191	2.172	0.019	95	186516	20.0	24.8	
* 21 t-Butyl alcohol-d10 (IS)	65	2.201	2.252	-0.051	96	677646	250.0	250.0	
22 2-Methyl-2-propanol	59	2.265	2.323	-0.058	95	523851	200.0	195.4	
23 Acrylonitrile	53	2.345	2.346	-0.001	99	613133	100.0	115.1	
24 trans-1,2-Dichloroethene	96	2.374	2.368	0.006	97	161486	20.0	23.0	
25 Methyl tert-butyl ether	73	2.387	2.387	0.000	96	486842	20.0	21.3	
26 Hexane	57	2.590	2.590	0.000	93	215649	20.0	26.7	
27 1,1-Dichloroethane	63	2.715	2.712	0.003	96	317212	20.0	26.0	
28 Isopropyl ether	45	2.757	2.760	-0.003	98	521725	20.0	26.0	
29 2-Chloro-1,3-butadiene	53	2.767	2.767	0.000	90	258625	20.0	23.8	
30 Tert-butyl ethyl ether	59	3.053	3.053	0.000	99	473398	20.0	21.3	
31 2-Butanone (MEK)	43	3.136	3.133	0.003	100	1890585	250.0	287.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 cis-1,2-Dichloroethene	96	3.162	3.166	-0.004	81	178987	20.0	22.1	
34 Propionitrile	54	3.188	3.182	0.006	98	407835	150.0	204.3	
33 2,2-Dichloropropane	77	3.185	3.191	-0.006	87	232769	20.0	20.3	
35 Methacrylonitrile	67	3.304	3.304	0.000	92	734962	150.0	166.7	
37 Tetrahydrofuran	71	3.329	3.330	-0.001	67	216726	100.0	121.2	
36 Chlorobromomethane	128	3.349	3.349	0.000	96	77186	20.0	19.9	
39 Chloroform	83	3.445	3.442	0.003	93	268649	20.0	22.1	
$ 40 Dibromofluoromethane (Surr)	113	3.567	3.567	0.000	93	333766	50.0	47.6	
41 1,1,1-Trichloroethane	97	3.570	3.571	-0.001	96	237030	20.0	21.4	
42 Cyclohexane	56	3.628	3.629	-0.001	91	351232	20.0	28.0	
43 1,1-Dichloropropene	75	3.683	3.686	-0.003	97	209987	20.0	23.2	
44 Carbon tetrachloride	117	3.693	3.690	0.003	93	176329	20.0	19.9	
45 Isobutyl alcohol	41	3.812	3.805	0.007	96	334797	500.0	510.2	
$ 46 1,2-Dichloroethane-d4 (Surr)	102	3.828	3.825	0.003	91	80584	50.0	47.9	
47 Benzene	78	3.841	3.844	-0.003	95	611949	20.0	23.5	
48 1,2-Dichloroethane	62	3.892	3.889	0.003	97	174099	20.0	19.9	
49 Tert-amyl methyl ether	73	3.976	3.976	0.000	98	440539	20.0	20.4	
* 50 Fluorobenzene (IS)	96	4.088	4.079	0.009	98	1247402	50.0	50.0	
51 n-Heptane	43	4.098	4.095	0.003	92	156729	20.0	24.8	
52 n-Butanol	56	4.355	4.352	0.003	90	550492	1000.0	996.2	
53 Trichloroethene	95	4.387	4.384	0.003	97	134933	20.0	20.8	
54 Methylcyclohexane	83	4.577	4.577	0.000	93	274864	20.0	22.3	
55 1,2-Dichloropropane	63	4.596	4.590	0.006	95	143445	20.0	24.0	
56 2-ethoxy-2-methyl butane	87	4.622	4.625	-0.003	93	202785	20.0	18.6	
57 1,4-Dioxane	88	4.654	4.654	0.000	86	82583	500.0	593.7	M
59 Dibromomethane	93	4.667	4.661	0.006	90	81611	20.0	20.0	
58 Methyl methacrylate	69	4.667	4.667	0.000	90	109990	20.0	20.3	
60 Dichlorobromomethane	83	4.828	4.825	0.003	99	142310	20.0	20.2	
61 2-Nitropropane	41	5.008	5.011	-0.003	99	27615	20.0	14.4	
62 2-Chloroethyl vinyl ether	63		5.082				ND	ND	
63 cis-1,3-Dichloropropene	75	5.197	5.194	0.003	95	154378	20.0	18.8	
64 4-Methyl-2-pentanone (MIBK)	43	5.339	5.339	0.000	97	3450115	250.0	303.2	
$ 65 Toluene-d8 (Surr)	98	5.416	5.416	0.000	93	1115220	50.0	50.7	
66 Toluene	92	5.471	5.471	0.000	98	319772	20.0	22.4	
67 trans-1,3-Dichloropropene	75	5.676	5.677	-0.001	94	128984	20.0	18.2	
68 Ethyl methacrylate	69	5.741	5.741	0.000	90	172222	20.0	19.6	
69 1,1,2-Trichloroethane	97	5.824	5.821	0.003	90	99410	20.0	21.0	
70 Tetrachloroethene	166	5.869	5.870	-0.001	95	113523	20.0	19.0	
71 1,3-Dichloropropane	76	5.937	5.937	0.000	92	178233	20.0	22.5	
72 2-Hexanone	43	5.995	5.995	0.000	98	2532384	250.0	307.1	
73 Chlorodibromomethane	129	6.088	6.088	0.000	90	85450	20.0	18.2	
75 Ethylene Dibromide	107	6.159	6.159	0.000	99	102339	20.0	19.7	
* 76 Chlorobenzene-d5 (IS)	117	6.477	6.477	0.000	86	827764	50.0	50.0	
77 Chlorobenzene	112	6.496	6.497	-0.001	93	323503	20.0	21.1	
78 1-Chlorohexane	91	6.506	6.506	0.000	98	168341	20.0	22.1	
79 1,1,1,2-Tetrachloroethane	131	6.564	6.564	0.000	93	113128	20.0	18.9	
80 Ethylbenzene	91	6.570	6.571	-0.001	99	654730	20.0	22.8	
81 m-Xylene & p-Xylene	106	6.657	6.657	0.000	99	481619	40.0	43.0	
82 o-Xylene	106	6.892	6.892	0.000	98	250509	20.0	21.0	
83 Styrene	104	6.905	6.905	0.000	96	371100	20.0	21.3	
84 Bromoform	173	7.008	7.008	0.000	94	53865	20.0	16.2	
85 Isopropylbenzene	105	7.117	7.117	0.000	96	688292	20.0	24.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 86 4-Bromofluorobenzene (Surr)	95	7.213	7.214	-0.001	83	449679	50.0	50.5	
87 Bromobenzene	156	7.291	7.291	0.000	96	124004	20.0	20.9	
88 1,1,2,2-Tetrachloroethane	83	7.303	7.304	-0.001	93	221292	20.0	25.3	
89 trans-1,4-Dichloro-2-butene	53	7.323	7.323	0.000	91	179897	100.0	68.6	
90 1,2,3-Trichloropropane	110	7.329	7.329	0.000	84	62329	20.0	21.5	
91 N-Propylbenzene	91	7.358	7.358	0.000	99	762127	20.0	24.7	
92 2-Chlorotoluene	126	7.403	7.403	0.000	96	142305	20.0	21.9	
93 1,3,5-Trimethylbenzene	105	7.464	7.464	0.000	95	525165	20.0	22.7	
94 4-Chlorotoluene	126	7.474	7.474	0.000	99	132911	20.0	21.7	
95 tert-Butylbenzene	134	7.638	7.638	0.000	94	92013	20.0	19.7	
96 1,2,4-Trimethylbenzene	105	7.670	7.670	0.000	98	521878	20.0	22.4	
97 sec-Butylbenzene	105	7.760	7.760	0.000	94	643717	20.0	23.3	
98 1,3-Dichlorobenzene	146	7.818	7.818	0.000	97	233751	20.0	20.1	
99 4-Isopropyltoluene	119	7.844	7.844	0.000	97	513162	20.0	21.2	
* 100 1,4-Dichlorobenzene-d4	152	7.860	7.860	0.000	97	451229	50.0	50.0	
101 1,4-Dichlorobenzene	146	7.873	7.873	0.000	94	240062	20.0	20.5	
102 1,2,3-Trimethylbenzene	105	7.889	7.889	0.000	99	545489	20.0	22.4	
103 Benzyl chloride	91	7.937	7.937	0.000	99	247976	20.0	14.4	
104 1,3-Diethylbenzene	119	7.995	7.995	0.000	94	287073	20.0	20.6	
105 p-Diethylbenzene	119	8.046	8.046	0.000	93	301227	20.0	20.6	
106 n-Butylbenzene	92	8.059	8.059	0.000	98	260653	20.0	22.5	
107 1,2-Dichlorobenzene	146	8.062	8.062	0.000	96	247000	20.0	20.7	
108 o-diethylbenzene	119	8.098	8.098	0.000	97	244743	20.0	20.7	
109 1,2-Dibromo-3-Chloropropane	75	8.471	8.471	0.000	80	58091	20.0	18.4	
110 1,3,5-Trichlorobenzene	180	8.567	8.567	0.000	96	148854	20.0	17.6	
111 1,2,4-Trichlorobenzene	180	8.882	8.882	0.000	94	153804	20.0	18.2	
112 Hexachlorobutadiene	225	8.956	8.956	0.000	96	48944	20.0	17.2	
113 Naphthalene	128	9.014	9.014	0.000	97	747478	20.0	20.8	
114 1,2,3-Trichlorobenzene	180	9.123	9.124	-0.001	94	154691	20.0	18.3	
115 2-Methylnaphthalene	142	9.567	9.567	0.000	92	355066	20.0	19.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_2CEVE_00232	Amount Added:	21.50	Units: uL	
MSV_LCS_Gases_00254	Amount Added:	21.50	Units: uL	
MSV_LCS_ACROL_00230	Amount Added:	21.50	Units: uL	
MSV_LCS_VOC#1_00223	Amount Added:	21.50	Units: uL	
MSV_Cent_ISSS_00041	Amount Added:	5.00	Units: uL	Run Reagent

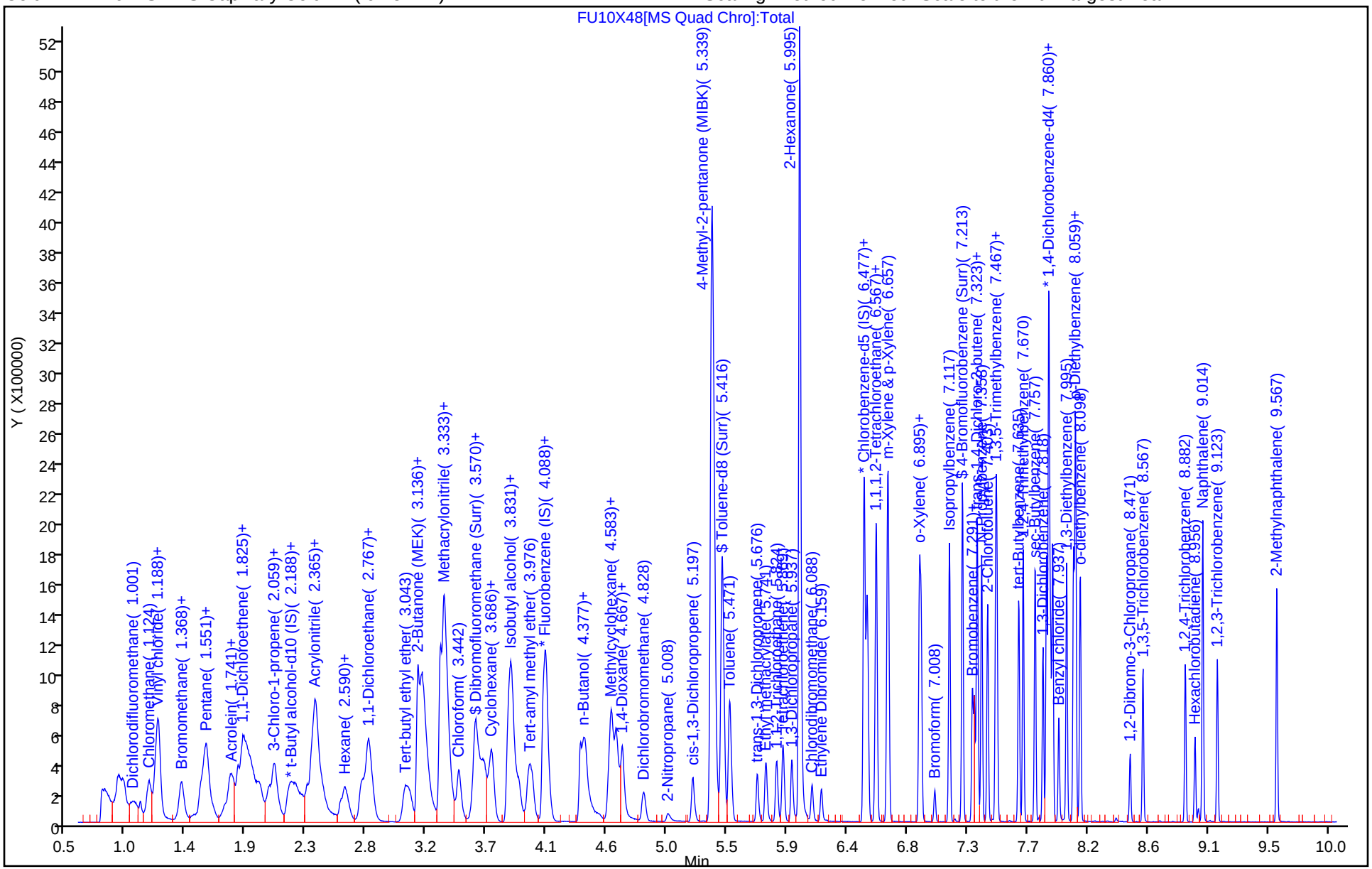
Report Date: 11-Jun-2025 13:44:23 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X48.D

Injection Date:	10-Jun-2025 18:13:20	Instrument ID:	15830	Operator ID:	knk41612
Lims ID:	410-225004-C-2 MSD			Worklist Smp#:	19
Client ID:	MW-3D				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	68
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X48.D
Lims ID: 410-225004-C-2 MSD
Client ID: MW-3D
Sample Type: MSD
Inject. Date: 10-Jun-2025 18:13:20 ALS Bottle#: 68 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 410-0149863-019
Operator ID: knk41612 Instrument ID: 15830

Method: \\chromfs\Lancaster\ChromData\15830\20250610-149863.b\MSVoa_15830_PT2.m
Limit Group: MSV - 8260C_D
Last Update: 11-Jun-2025 13:44:22 Calib Date: 07-Apr-2025 17:19:49
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\15830\20250407-143206.b\FA07X09.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1651

First Level Reviewer: FQ4L Date: 11-Jun-2025 13:44:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 40 Dibromofluoromethane (Surr)	50.0	47.6	95.13
$ 46 1,2-Dichloroethane-d4 (Surr)	50.0	47.9	95.82
$ 65 Toluene-d8 (Surr)	50.0	50.7	101.41
$ 86 4-Bromofluorobenzene (Surr)	50.0	50.5	101.07

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

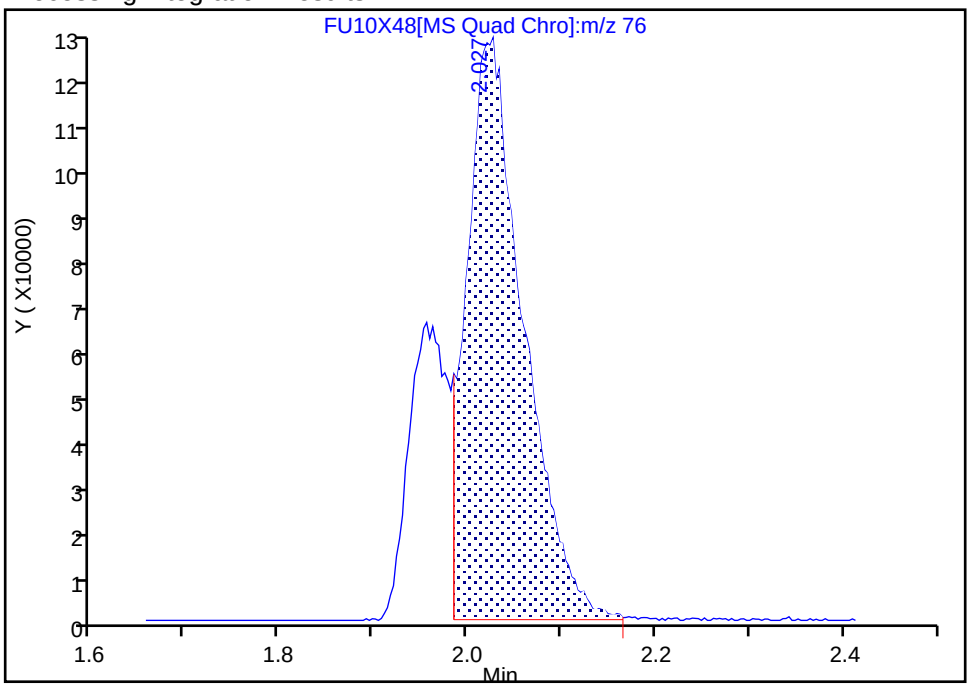
Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X48.D				
Injection Date:	10-Jun-2025 18:13:20	Instrument ID:	15830		
Lims ID:	410-225004-C-2 MSD				
Client ID:	MW-3D				
Operator ID:	knk41612	ALS Bottle#:	68	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

17 Carbon disulfide, CAS: 75-15-0

Signal: 1

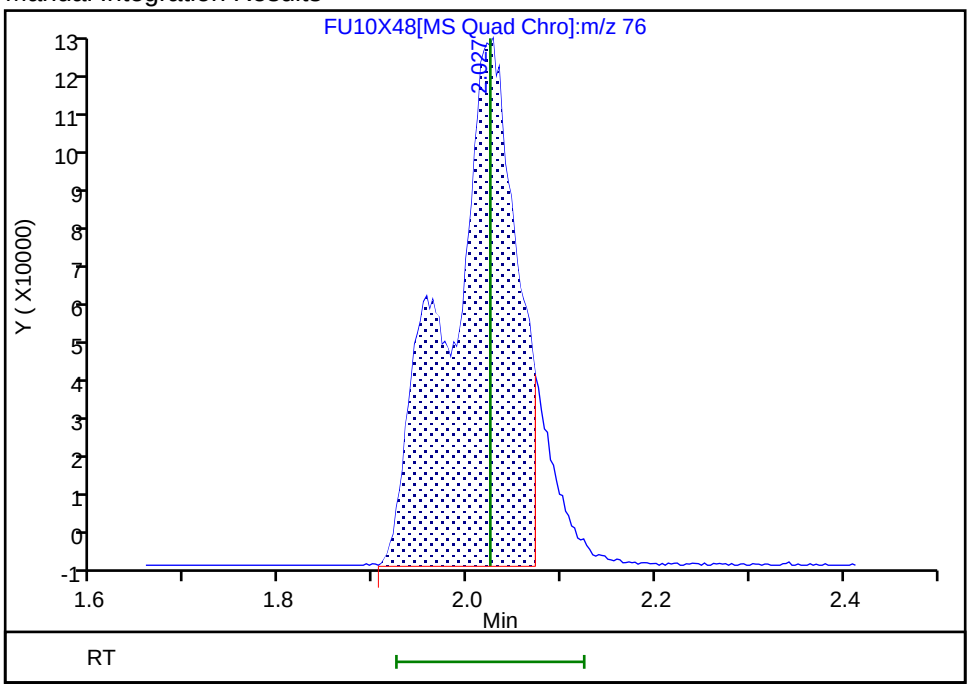
Processing Integration Results

RT: 2.03
Area: 523076
Amount: 24.509282
Amount Units: ug/l



Manual Integration Results

RT: 2.03
Area: 637135
Amount: 29.853637
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2025 13:41:47 07:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

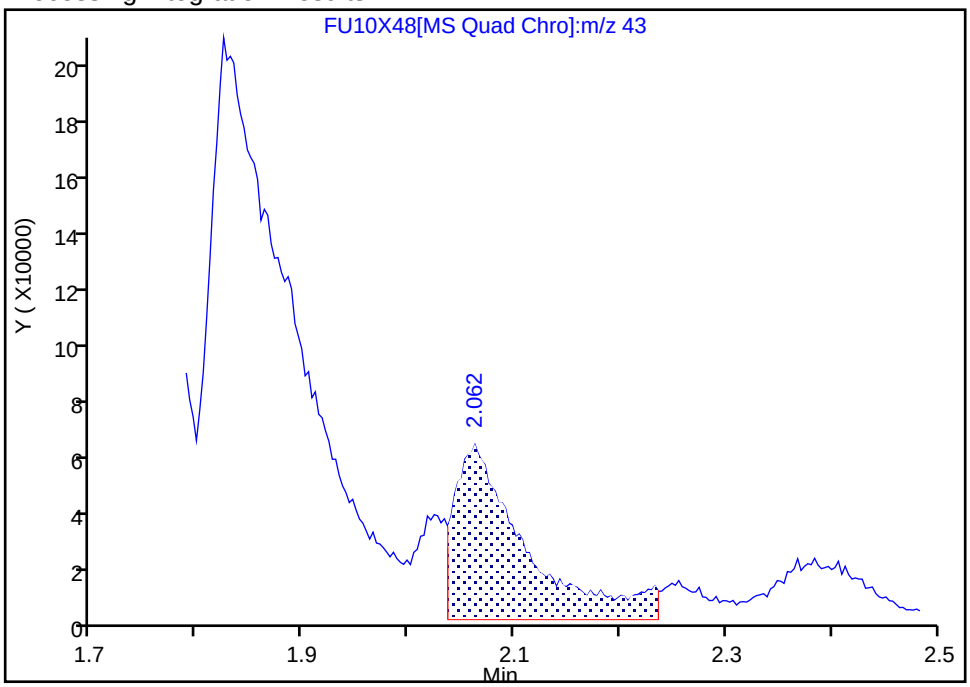
Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X48.D				
Injection Date:	10-Jun-2025 18:13:20	Instrument ID:	15830		
Lims ID:	410-225004-C-2 MSD				
Client ID:	MW-3D				
Operator ID:	knk41612	ALS Bottle#:	68	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Methyl acetate, CAS: 79-20-9

Signal: 1

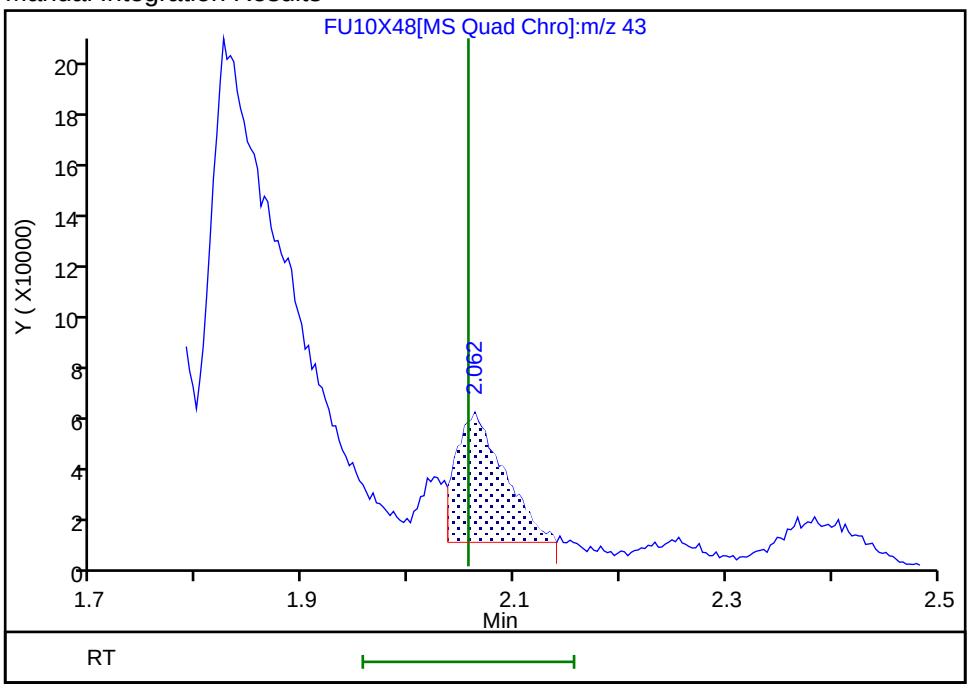
Processing Integration Results

RT: 2.06
Area: 295684
Amount: 30.589098
Amount Units: ug/l



Manual Integration Results

RT: 2.06
Area: 161885
Amount: 16.747325
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2025 13:42:42 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

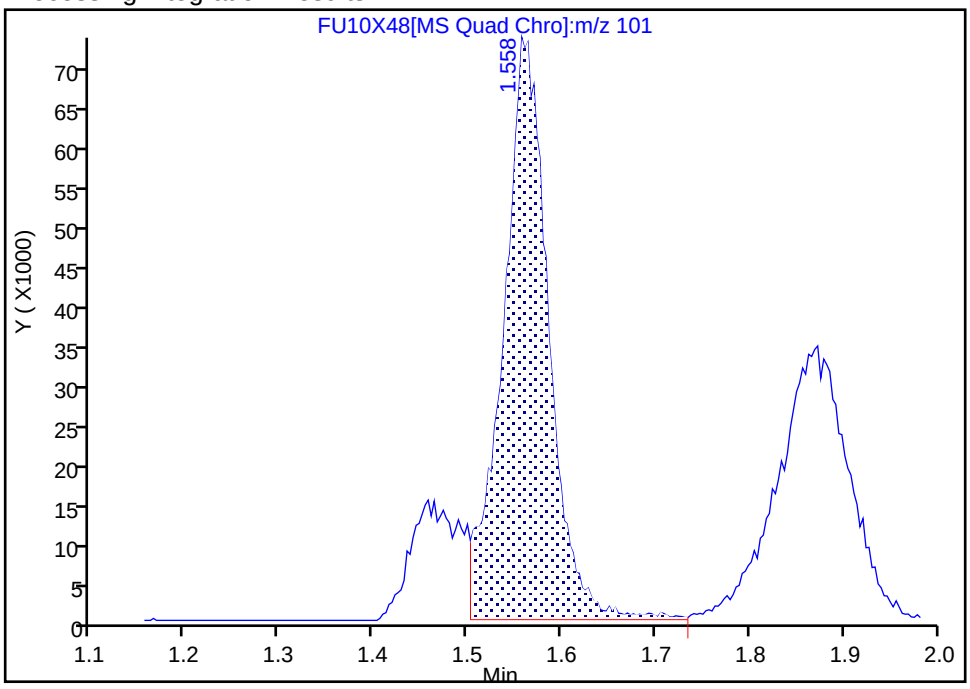
Data File:	\\chromfs\Lancaster\ChromData\15830\20250610-149863.b\FU10X48.D				
Injection Date:	10-Jun-2025 18:13:20	Instrument ID:	15830		
Lims ID:	410-225004-C-2 MSD				
Client ID:	MW-3D				
Operator ID:	knk41612	ALS Bottle#:	68	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_15830_PT2	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

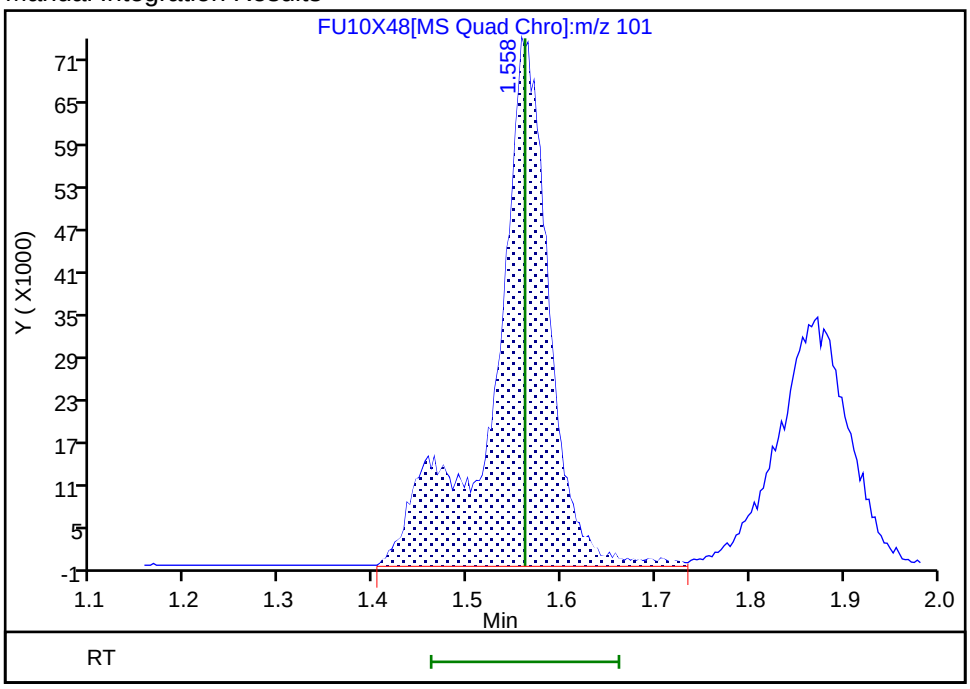
Processing Integration Results

RT: 1.56
Area: 250413
Amount: 19.178072
Amount Units: ug/l



Manual Integration Results

RT: 1.56
Area: 304471
Amount: 23.318146
Amount Units: ug/l



Reviewer: FQ4L, 11-Jun-2025 13:40:10 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

SDG No.:

Instrument ID: 15830

Start Date: 04/07/2025 14:11

Analysis Batch Number: 627062

End Date: 04/07/2025 17:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-627062/1		04/07/2025 14:11	1	FA07T01.D	R-624SilMS 30m 0.25(mm)
IC 410-627062/4		04/07/2025 15:24	1	FA07X03.D	R-624SilMS 30m 0.25(mm)
IC 410-627062/5		04/07/2025 15:43	1	FA07X04.D	R-624SilMS 30m 0.25(mm)
IC 410-627062/6		04/07/2025 16:02	1	FA07X05.D	R-624SilMS 30m 0.25(mm)
IC 410-627062/7		04/07/2025 16:22	1	FA07X06.D	R-624SilMS 30m 0.25(mm)
ICIS 410-627062/8		04/07/2025 16:41	1	FA07X07.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-627062/1008		04/07/2025 16:41	1		R-624SilMS 30m 0.25(mm)
IC 410-627062/9		04/07/2025 17:00	1	FA07X08.D	R-624SilMS 30m 0.25(mm)
IC 410-627062/10		04/07/2025 17:19	1	FA07X09.D	R-624SilMS 30m 0.25(mm)
ICV 410-627062/12		04/07/2025 17:58	1	FA07X11.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		04/07/2025 17:58	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: 15830 Start Date: 06/10/2025 12:29

Analysis Batch Number: 655353 End Date: 06/10/2025 20:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-655353/1		06/10/2025 12:29	1	FU10T31.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-655353/4		06/10/2025 13:22	1	FU10X33.D	R-624SilMS 30m 0.25(mm)
LCS 410-655353/5		06/10/2025 13:41	1	FU10X34.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		06/10/2025 14:00	1		R-624SilMS 30m 0.25(mm)
MB 410-655353/8		06/10/2025 14:39	1	FU10X37.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/10/2025 14:59	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/10/2025 15:19	1		R-624SilMS 30m 0.25(mm)
410-225004-6	EB	06/10/2025 15:38	1	FU10X40.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/10/2025 15:57	1		R-624SilMS 30m 0.25(mm)
410-225004-1	MW-2D	06/10/2025 16:17	1	FU10X42.D	R-624SilMS 30m 0.25(mm)
410-225004-3	MW-6D	06/10/2025 16:36	1	FU10X43.D	R-624SilMS 30m 0.25(mm)
410-225004-4	MW-7D	06/10/2025 16:55	1	FU10X44.D	R-624SilMS 30m 0.25(mm)
410-225004-5	MW-8	06/10/2025 17:15	1	FU10X45.D	R-624SilMS 30m 0.25(mm)
410-225004-2	MW-3D	06/10/2025 17:34	1	FU10X46.D	R-624SilMS 30m 0.25(mm)
410-225004-2 MS	MW-3D MS	06/10/2025 17:53	1	FU10X47.D	R-624SilMS 30m 0.25(mm)
410-225004-2 MSD	MW-3D MSD	06/10/2025 18:13	1	FU10X48.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/10/2025 18:32	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/10/2025 18:52	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/10/2025 19:11	10		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/10/2025 19:31	200		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/10/2025 19:50	200		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/10/2025 20:10	20		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/10/2025 20:29	50		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: 9137 Start Date: 04/22/2025 16:40

Analysis Batch Number: 633920 End Date: 04/22/2025 22:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-633920/1		04/22/2025 16:40	1	WA22T01.D	R-624SilMS 30m 0.25(mm)
IC 410-633920/12		04/22/2025 17:25	1	WA17X02.D	R-624SilMS 30m 0.25(mm)
IC 410-633920/13		04/22/2025 17:46	1	WA17X03.D	R-624SilMS 30m 0.25(mm)
IC 410-633920/14		04/22/2025 18:08	1	WA17X04.D	R-624SilMS 30m 0.25(mm)
IC 410-633920/15		04/22/2025 18:30	1	WA17X05.D	R-624SilMS 30m 0.25(mm)
ICIS 410-633920/16		04/22/2025 18:52	1	WA17X06.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-633920/1016		04/22/2025 18:52	1		R-624SilMS 30m 0.25(mm)
IC 410-633920/17		04/22/2025 19:14	1	copy_WA17X07.D	R-624SilMS 30m 0.25(mm)
IC 410-633920/18		04/22/2025 19:36	1	WA17X08.D	R-624SilMS 30m 0.25(mm)
ICV 410-633920/20		04/22/2025 20:20	1	WA17X10.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-633920/21		04/22/2025 20:42	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		04/22/2025 21:03	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		04/22/2025 21:25	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		04/22/2025 21:47	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		04/22/2025 22:09	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		04/22/2025 22:31	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		04/22/2025 22:52	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: 9137 Start Date: 06/12/2025 08:37

Analysis Batch Number: 656473 End Date: 06/12/2025 18:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-656473/1		06/12/2025 08:37	1	WU12T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-656473/3		06/12/2025 09:28	1	WU12X02.D	R-624SilMS 30m 0.25(mm)
LCS 410-656473/5		06/12/2025 10:12	1	WU12X04.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		06/12/2025 10:34	1		R-624SilMS 30m 0.25(mm)
MB 410-656473/7		06/12/2025 10:56	1	WU12X06.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 11:39	1		R-624SilMS 30m 0.25(mm)
410-225004-7	Trip Blank	06/12/2025 12:00	1	WU12X08.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 12:22	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 12:44	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 13:06	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 13:29	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 13:51	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 14:13	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 14:35	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 14:57	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 15:19	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 15:41	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 16:03	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		06/12/2025 16:25	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		06/12/2025 16:47	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 17:09	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 17:31	10		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 17:54	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		06/12/2025 18:16	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 627062 | Batch Start Date: 04/07/25 14:11 | Batch Analyst: Walmer, Gavin

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppb 00012	MSV_CCV_2CEVE 00222	MSV_CCV_GASES 01005
BFB 410-627062/1		8260D			1 uL	1 uL				
IC 410-627062/4		8260D			5 mL	5 mL	2788	12.5 mL		
IC 410-627062/5		8260D			5 mL	5 mL	2788		4 uL	2 uL
IC 410-627062/6		8260D			5 mL	5 mL	2788		2 uL	1 uL
IC 410-627062/7		8260D			5 mL	5 mL	2788		4 uL	2 uL
ICIS 410-627062/8		8260D			5 mL	5 mL	2788		5 uL	2.5 uL
IC 410-627062/9		8260D			5 mL	5 mL	2788		5 uL	2.5 uL
IC 410-627062/10		8260D			5 mL	5 mL	2788		15 uL	7.5 uL
ICV 410-627062/12		8260D			5 mL	5 mL	2788			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_VOC#1 00230	MSV_CCV_VOC#3 00231	MSV_Cent_ISSS 00032	MSV_LCS_2CEVE 00223	MSV_LCS_ACROL 00221	MSV_LCS_Gases 00245
BFB 410-627062/1		8260D								
IC 410-627062/4		8260D					5 uL			
IC 410-627062/5		8260D			4 uL	3.2 uL	5 uL			
IC 410-627062/6		8260D			2 uL	1.6 uL	5 uL			
IC 410-627062/7		8260D			4 uL	3.2 uL	5 uL			
ICIS 410-627062/8		8260D			5 uL	4 uL	5 uL			
IC 410-627062/9		8260D			5 uL	4 uL	5 uL			
IC 410-627062/10		8260D			15 uL	12 uL	5 uL			
ICV 410-627062/12		8260D					5 uL	50 uL	50 uL	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00215	MSV_V_BFB 00018				
BFB 410-627062/1		8260D				1 uL				
IC 410-627062/4		8260D								
IC 410-627062/5		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-225004-1

SDG No.:

Batch Number: 627062 Batch Start Date: 04/07/25 14:11 Batch Analyst: Walmer, Gavin

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00215	MSV_V_BFB 00018				
IC 410-627062/6		8260D								
IC 410-627062/7		8260D								
ICIS 410-627062/8		8260D								
IC 410-627062/9		8260D								
IC 410-627062/10		8260D								
ICV 410-627062/12		8260D			50 uL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 633920 | Batch Start Date: 04/22/25 16:40 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEtOH 00755	MSV_CCV_2CEVE 00224	MSV_CCV_CYC 00011
BFB 410-633920/1		8260D			1 uL	1 uL				
IC 410-633920/12		8260D			5 mL	5 mL	2788	12.5 mL		
IC 410-633920/13		8260D			5 mL	5 mL	2788		4 uL	32 uL
IC 410-633920/14		8260D			5 mL	5 mL	2788		2 uL	8 uL
IC 410-633920/15		8260D			5 mL	5 mL	2788		4 uL	16 uL
ICIS 410-633920/16		8260D			5 mL	5 mL	2788		5 uL	10 uL
IC 410-633920/17		8260D			5 mL	5 mL	2788		5 uL	10 uL
IC 410-633920/18		8260D			5 mL	5 mL	2788		15 uL	30 uL
ICV 410-633920/20		8260D			5 mL	5 mL	2788			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_ETOH 00009	MSV_CCV_GASES 01048	MSV_CCV_OH_Sp 00021	MSV_CCV_VOC#1 00232	MSV_CCV_VOC#3 00233	MSV_Cent_ISSS 00036
BFB 410-633920/1		8260D								
IC 410-633920/12		8260D								5 uL
IC 410-633920/13		8260D			20 uL	2 uL	4 uL	4 uL	3.2 uL	5 uL
IC 410-633920/14		8260D			8 uL	1 uL	2 uL	2 uL	1.6 uL	5 uL
IC 410-633920/15		8260D			16 uL	2 uL	4 uL	4 uL	3.2 uL	5 uL
ICIS 410-633920/16		8260D			10 uL	2.5 uL	5 uL	5 uL	4 uL	5 uL
IC 410-633920/17		8260D			10 uL	2.5 uL	5 uL	5 uL	4 uL	5 uL
IC 410-633920/18		8260D			30 uL	7.5 uL	15 uL	15 uL	12 uL	5 uL
ICV 410-633920/20		8260D								5 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 633920 | Batch Start Date: 04/22/25 16:40 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_2CEVE 00225	MSV_LCS_ACROL 00223	MSV_LCS_CYC 00011	MSV_LCS_ETOH 00010	MSV_LCS_VOC#1 00216	MSV_Q_Acr_Std 00011
BFB 410-633920/1		8260D								
IC 410-633920/12		8260D								
IC 410-633920/13		8260D								
IC 410-633920/14		8260D								
IC 410-633920/15		8260D								
ICIS 410-633920/16		8260D								
IC 410-633920/17		8260D								
IC 410-633920/18		8260D								
ICV 410-633920/20		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_2K_GAS 00299	MSV_V_BFB 00018				
BFB 410-633920/1		8260D				1 uL				
IC 410-633920/12		8260D								
IC 410-633920/13		8260D								
IC 410-633920/14		8260D								
IC 410-633920/15		8260D								
ICIS 410-633920/16		8260D								
IC 410-633920/17		8260D								
IC 410-633920/18		8260D								
ICV 410-633920/20		8260D			1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 633920 | Batch Start Date: 04/22/25 16:40 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 655353 | Batch Start Date: 06/10/25 12:29 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-655353/1		8260D			1 uL	1 uL				
CCVIS 410-655353/4		8260D			5 mL	5 mL				431126
LCS 410-655353/5		8260D			5 mL	5 mL				431126
MB 410-655353/8		8260D			5 mL	5 mL				431126
410-225004-C-6	EB	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-225004-C-1	MW-2D	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-225004-C-3	MW-6D	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-225004-C-4	MW-7D	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-225004-C-5	MW-8	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-225004-C-2	MW-3D	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-225004-C-2 MS	MW-3D	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-225004-C-2 MSD	MW-3D	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00231	MSV_CCV_GASES 01073	MSV_CCV_VOC#1 00239	MSV_CCV_VOC#3 00240	MSV_Cent_ISSS 00041	MSV_LCS_2CEVE 00232
BFB 410-655353/1		8260D								
CCVIS 410-655353/4		8260D			5 uL	2.5 uL	5 uL	4 uL	5 uL	
LCS 410-655353/5		8260D							5 uL	50 uL
MB 410-655353/8		8260D							5 uL	
410-225004-C-6	EB	8260D	Water	T					5 uL	
410-225004-C-1	MW-2D	8260D	Water	T					5 uL	
410-225004-C-3	MW-6D	8260D	Water	T					5 uL	
410-225004-C-4	MW-7D	8260D	Water	T					5 uL	
410-225004-C-5	MW-8	8260D	Water	T					5 uL	
410-225004-C-2	MW-3D	8260D	Water	T					5 uL	
410-225004-C-2 MS	MW-3D	8260D	Water	T					5 uL	21.5 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 655353 | Batch Start Date: 06/10/25 12:29 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00231	MSV_CCV_GASES 01073	MSV_CCV_VOC#1 00239	MSV_CCV_VOC#3 00240	MSV_Cent_ISSS 00041	MSV_LCS_2CEVE 00232
410-225004-C-2 MSD	MW-3D	8260D	Water	T					5 uL	21.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00230	MSV_LCS_Gases 00254	MSV_LCS_VOC#1 00223	MSV_V_BFB 00019		
BFB 410-655353/1		8260D						1 uL		
CCVIS 410-655353/4		8260D								
LCS 410-655353/5		8260D			50 uL	50 uL	50 uL			
MB 410-655353/8		8260D								
410-225004-C-6	EB	8260D	Water	T						
410-225004-C-1	MW-2D	8260D	Water	T						
410-225004-C-3	MW-6D	8260D	Water	T						
410-225004-C-4	MW-7D	8260D	Water	T						
410-225004-C-5	MW-8	8260D	Water	T						
410-225004-C-2	MW-3D	8260D	Water	T						
410-225004-C-2 MS	MW-3D	8260D	Water	T	21.5 uL	21.5 uL	21.5 uL			
410-225004-C-2 MSD	MW-3D	8260D	Water	T	21.5 uL	21.5 uL	21.5 uL			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 656473 | Batch Start Date: 06/12/25 08:37 | Batch Analyst: Mellinger, Corie M

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-656473/1		8260D			1 uL	1 uL				
CCVIS 410-656473/3		8260D			5 mL	5 mL				431126
LCS 410-656473/5		8260D			5 mL	5 mL				431126
MB 410-656473/7		8260D			5 mL	5 mL				431126
410-225004-C-7	Trip Blank	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00231	MSV_CCV_ETOH 00009	MSV_CCV_GASES 01073	MSV_CCV_VOC#1 00239	MSV_CCV_VOC#3 00240	MSV_Cent_ISSS 00036
BFB 410-656473/1		8260D								
CCVIS 410-656473/3		8260D			5 uL	10 uL	2.5 uL	5 uL	4 uL	5 uL
LCS 410-656473/5		8260D								5 uL
MB 410-656473/7		8260D								5 uL
410-225004-C-7	Trip Blank	8260D	Water	T						5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_2CEVE 00232	MSV_LCS_ACROL 00230	MSV_LCS_ETOH 00010	MSV_LCS_Gases 00254	MSV_LCS_VOC#1 00223	MSV_V_BFB 00019
BFB 410-656473/1		8260D								1 uL
CCVIS 410-656473/3		8260D								
LCS 410-656473/5		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	
MB 410-656473/7		8260D								
410-225004-C-7	Trip Blank	8260D	Water	T						

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 656473 | Batch Start Date: 06/12/25 08:37 | Batch Analyst: Mellinger, Corie M

Batch Method: 8260D | Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270E

Semivolatile Organic Compounds (GC/MS) by Method 8270E

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-5MS 30m 0 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
MW-2D	410-225004-1	25	17	47	47	44	65
MW-3D	410-225004-2	30	18	61	72	50	61
MW-6D	410-225004-3	0.9 S1-cn	13 cn	71 cn	83 cn	2 S1-cn	50 cn
MW-6D RE	410-225004-3 RE	36	26	73	79	75	79
MW-7D	410-225004-4	15	10	60	70	36	61
MW-8	410-225004-5	37	24	71	76	59	49
MW-8 RE	410-225004-5 RE	37	29	79	86	86	81
EB	410-225004-6	28	18	51	62	60	82
	MB 410-653019/1-A	40	27	71	73	68	85
	MB 410-653575/1-A	36	22	72	85	68	85
	MB 410-655289/1-A	43	29	78	82	84	94
	LCS 410-653019/2-A	55	40	77	73	77	88
	LCS 410-653575/2-A	40	29	68	73	60	86
	LCS 410-655289/2-A	52	38	78	80	90	94
	LCSD 410-653019/3-A	50	37	73	71	73	85
MW-3D MS	410-225004-2 MS	38	26	62	68	39	74
MW-3D MSD	410-225004-2 MSD	40	30	69	77	50	83

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	10-120
PHL = Phenol-d5 (Surr)	10-120
NBZ = Nitrobenzene-d5 (Surr)	33-120
FBP = 2-Fluorobiphenyl (Surr)	45-120
TBP = 2,4,6-Tribromophenol (Surr)	13-134
TPHd14 = p-Terphenyl-d14 (Surr)	26-123

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DF0504.D

Lab ID: LCS 410-653019/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	50.0	46.7	93	51-126	
bis(1-chloroispropyl)ether	50.0	43.5	87	22-139	
2,4,5-Trichlorophenol	50.0	50.7	101	55-133	
2,4,6-Trichlorophenol	50.0	51.4	103	54-139	
2,4-Dichlorophenol	50.0	51.1	102	51-135	
2,4-Dimethylphenol	50.0	50.3	101	47-128	
2,4-Dinitrophenol	100	108	108	14-161	
2,4-Dinitrotoluene	50.0	51.8	104	54-143	
2,6-Dinitrotoluene	50.0	52.7	105	53-139	
2-Chloronaphthalene	50.0	46.3	93	48-124	
2-Chlorophenol	50.0	44.9	90	45-122	
2-Methylnaphthalene	50.0	46.7	93	49-124	
2-Methylphenol	50.0	43.0	86	42-120	
2-Nitroaniline	50.0	50.9	102	49-144	
2-Nitrophenol	50.0	51.9	104	42-145	
3,3'-Dichlorobenzidine	100	61.1	61	26-120	
3-Nitroaniline	50.0	42.9	86	39-130	
4,6-Dinitro-2-methylphenol	100	112	112	33-172	
4-Bromophenyl-phenylether	50.0	49.6	99	49-135	
4-Chloro-3-methylphenol	50.0	46.4	93	49-130	
4-Chloroaniline	50.0	37.6	75	28-120	
4-Chlorophenyl-phenyl ether	50.0	45.9	92	49-125	
4-Methylphenol (and/or 3-Methylphenol)	50.0	39.1	78	38-120	
4-Nitroaniline	50.0	46.5	93	41-133	
4-Nitrophenol	100	56.4	56	20-120	
Acenaphthene	50.0	46.7	93	52-125	
Acenaphthylene	50.0	49.3	99	51-131	
Acetophenone	50.0	44.5	89	46-126	
Anthracene	50.0	50.8	102	55-134	
Atrazine	50.0	54.0	108	54-141	
Benzaldehyde	50.0	45.7	91	42-125	
Benzo[a]anthracene	50.0	47.0	94	54-134	
Benzo[a]pyrene	50.0	51.1	102	58-135	
Benzo[b]fluoranthene	50.0	47.3	95	51-132	
Benzo[g,h,i]perylene	50.0	50.9	102	50-138	
Benzo[k]fluoranthene	50.0	51.0	102	58-140	
Butylbenzylphthalate	50.0	40.5	81	34-135	
Caprolactam	50.0	14.5	29	10-120	
Carbazole	50.0	51.4	103	52-138	
Chrysene	50.0	47.4	95	56-136	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DF0504.D

Lab ID: LCS 410-653019/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Di-n-butyl phthalate	50.0	47.3	95	49-143	
Di-n-octyl phthalate	50.0	41.9	84	44-147	
Dibenz(a,h)anthracene	50.0	50.8	102	47-141	
Dibenzofuran	50.0	46.6	93	50-128	
Diethyl phthalate	50.0	43.6	87	45-130	
Dimethyl phthalate	50.0	42.3	85	30-124	
Fluoranthene	50.0	50.1	100	56-137	
Fluorene	50.0	46.6	93	50-128	
Hexachlorobenzene	50.0	49.4	99	47-135	
Hexachlorobutadiene	50.0	41.6	83	31-120	
Hexachlorocyclopentadiene	50.0	31.5	63	10-120	
Hexachloroethane	50.0	37.2	74	35-120	
Indeno[1,2,3-cd]pyrene	50.0	48.6	97	47-140	
Isophorone	50.0	47.6	95	47-129	
N-Nitrosodi-n-propylamine	50.0	43.3	87	41-123	
N-Nitrosodiphenylamine	42.5	44.6	105	48-144	
Naphthalene	50.0	46.9	94	49-121	
Nitrobenzene	50.0	50.1	100	43-128	
Pentachlorophenol	100	102	102	45-149	
Phenanthrene	50.0	49.3	99	55-132	
Phenol	50.0	28.1	56	18-120	
Pyrene	50.0	47.4	95	58-131	
Bis(2-chloroethoxy)methane	50.0	47.7	95	48-131	
Bis(2-chloroethyl)ether	50.0	45.6	91	46-123	
Bis(2-ethylhexyl) phthalate	50.0	41.7	83	46-143	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: JF0624.D

Lab ID: LCS 410-653575/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	50.0	40.6	81	51-126	
bis(1-chloroispropyl)ether	50.0	56.7	113	22-139	
2,4,5-Trichlorophenol	50.0	40.4	81	55-133	
2,4,6-Trichlorophenol	50.0	43.6	87	54-139	
2,4-Dichlorophenol	50.0	40.2	80	51-135	
2,4-Dimethylphenol	50.0	37.7	75	47-128	
2,4-Dinitrophenol	100	67.2	67	14-161	
2,4-Dinitrotoluene	50.0	44.6	89	54-143	
2,6-Dinitrotoluene	50.0	44.0	88	53-139	
2-Chloronaphthalene	50.0	44.1	88	48-124	
2-Chlorophenol	50.0	33.8	68	45-122	
2-Methylnaphthalene	50.0	40.7	81	49-124	
2-Methylphenol	50.0	31.4	63	42-120	
2-Nitroaniline	50.0	41.8	84	49-144	
2-Nitrophenol	50.0	33.6	67	42-145	
3,3'-Dichlorobenzidine	100	64.6	65	26-120	
3-Nitroaniline	50.0	38.2	76	39-130	
4,6-Dinitro-2-methylphenol	100	78.8	79	33-172	
4-Bromophenyl-phenylether	50.0	48.7	97	49-135	
4-Chloro-3-methylphenol	50.0	34.4	69	49-130	
4-Chloroaniline	50.0	30.6	61	28-120	
4-Chlorophenyl-phenyl ether	50.0	43.9	88	49-125	
4-Methylphenol (and/or 3-Methylphenol)	50.0	26.3	53	38-120	
4-Nitroaniline	50.0	38.8	78	41-133	
4-Nitrophenol	100	41.4	41	20-120	
Acenaphthene	50.0	41.9	84	52-125	
Acenaphthylene	50.0	46.2	92	51-131	
Acetophenone	50.0	39.1	78	46-126	
Anthracene	50.0	44.0	88	55-134	
Atrazine	50.0	41.2	82	54-141	
Benzaldehyde	50.0	36.0	72	42-125	
Benzo[a]anthracene	50.0	45.1	90	54-134	
Benzo[a]pyrene	50.0	45.7	91	58-135	
Benzo[b]fluoranthene	50.0	49.0	98	51-132	
Benzo[g,h,i]perylene	50.0	53.3	107	50-138	
Benzo[k]fluoranthene	50.0	49.8	100	58-140	
Butylbenzylphthalate	50.0	35.2	70	34-135	
Caprolactam	50.0	10.5	21	10-120	
Carbazole	50.0	50.4	101	52-138	
Chrysene	50.0	46.0	92	56-136	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: JF0624.D

Lab ID: LCS 410-653575/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Di-n-butyl phthalate	50.0	42.0	84	49-143	
Di-n-octyl phthalate	50.0	45.4	91	44-147	
Dibenz(a,h)anthracene	50.0	51.0	102	47-141	
Dibenzofuran	50.0	45.6	91	50-128	
Diethyl phthalate	50.0	41.8	84	45-130	
Dimethyl phthalate	50.0	30.4	61	30-124	
Fluoranthene	50.0	48.0	96	56-137	
Fluorene	50.0	43.7	87	50-128	
Hexachlorobenzene	50.0	46.7	93	47-135	
Hexachlorobutadiene	50.0	39.8	80	31-120	
Hexachlorocyclopentadiene	50.0	30.5	61	10-120	
Hexachloroethane	50.0	32.2	64	35-120	
Indeno[1,2,3-cd]pyrene	50.0	50.5	101	47-140	
Isophorone	50.0	40.9	82	47-129	
N-Nitrosodi-n-propylamine	50.0	37.4	75	41-123	
N-Nitrosodiphenylamine	42.5	41.6	98	48-144	
Naphthalene	50.0	41.6	83	49-121	
Nitrobenzene	50.0	40.8	82	43-128	
Pentachlorophenol	100	78.7	79	45-149	
Phenanthrene	50.0	44.4	89	55-132	
Phenol	50.0	18.9	38	18-120	
Pyrene	50.0	46.8	94	58-131	
Bis(2-chloroethoxy)methane	50.0	47.2	94	48-131	
Bis(2-chloroethyl)ether	50.0	39.1	78	46-123	
Bis(2-ethylhexyl) phthalate	50.0	41.7	83	46-143	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DF1054.D

Lab ID: LCS 410-655289/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	50.0	46.3	93	51-126	
bis(1-chloroispropyl)ether	50.0	39.7	79	22-139	
2,4,5-Trichlorophenol	50.0	52.8	106	55-133	
2,4,6-Trichlorophenol	50.0	53.8	108	54-139	
2,4-Dichlorophenol	50.0	49.8	100	51-135	
2,4-Dimethylphenol	50.0	49.3	99	47-128	
2,4-Dinitrophenol	100	108	108	14-161	
2,4-Dinitrotoluene	50.0	55.9	112	54-143	
2,6-Dinitrotoluene	50.0	56.1	112	53-139	
2-Chloronaphthalene	50.0	45.6	91	48-124	
2-Chlorophenol	50.0	42.7	85	45-122	
2-Methylnaphthalene	50.0	45.7	91	49-124	
2-Methylphenol	50.0	39.2	78	42-120	
2-Nitroaniline	50.0	53.0	106	49-144	
2-Nitrophenol	50.0	52.8	106	42-145	
3,3'-Dichlorobenzidine	100	65.6	66	26-120	
3-Nitroaniline	50.0	43.0	86	39-130	
4,6-Dinitro-2-methylphenol	100	120	120	33-172	
4-Bromophenyl-phenylether	50.0	53.9	108	49-135	
4-Chloro-3-methylphenol	50.0	47.1	94	49-130	
4-Chloroaniline	50.0	36.4	73	28-120	
4-Chlorophenyl-phenyl ether	50.0	48.0	96	49-125	
4-Methylphenol (and/or 3-Methylphenol)	50.0	35.5	71	38-120	
4-Nitroaniline	50.0	48.8	98	41-133	
4-Nitrophenol	100	59.1	59	20-120	
Acenaphthene	50.0	47.0	94	52-125	
Acenaphthylene	50.0	48.9	98	51-131	
Acetophenone	50.0	43.6	87	46-126	
Anthracene	50.0	52.6	105	55-134	
Atrazine	50.0	58.1	116	54-141	
Benzaldehyde	50.0	41.3	83	42-125	
Benzo[a]anthracene	50.0	52.5	105	54-134	
Benzo[a]pyrene	50.0	55.7	111	58-135	
Benzo[b]fluoranthene	50.0	53.3	107	51-132	
Benzo[g,h,i]perylene	50.0	53.7	107	50-138	
Benzo[k]fluoranthene	50.0	52.3	105	58-140	
Butylbenzylphthalate	50.0	41.8	84	34-135	
Caprolactam	50.0	15.2	30	10-120	
Carbazole	50.0	54.2	108	52-138	
Chrysene	50.0	51.3	103	56-136	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DF1054.D

Lab ID: LCS 410-655289/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Di-n-butyl phthalate	50.0	50.5	101	49-143	
Di-n-octyl phthalate	50.0	44.9	90	44-147	
Dibenz(a,h)anthracene	50.0	53.7	107	47-141	
Dibenzofuran	50.0	46.8	94	50-128	
Diethyl phthalate	50.0	44.6	89	45-130	
Dimethyl phthalate	50.0	35.2	70	30-124	
Fluoranthene	50.0	54.2	108	56-137	
Fluorene	50.0	47.2	94	50-128	
Hexachlorobenzene	50.0	55.3	111	47-135	
Hexachlorobutadiene	50.0	40.6	81	31-120	
Hexachlorocyclopentadiene	50.0	34.4	69	10-120	
Hexachloroethane	50.0	34.0	68	35-120	
Indeno[1,2,3-cd]pyrene	50.0	52.6	105	47-140	
Isophorone	50.0	47.6	95	47-129	
N-Nitrosodi-n-propylamine	50.0	42.6	85	41-123	
N-Nitrosodiphenylamine	42.5	46.7	110	48-144	
Naphthalene	50.0	45.6	91	49-121	
Nitrobenzene	50.0	48.3	97	43-128	
Pentachlorophenol	100	99.7	100	45-149	
Phenanthrene	50.0	50.7	101	55-132	
Phenol	50.0	25.6	51	18-120	
Pyrene	50.0	49.9	100	58-131	
Bis(2-chloroethoxy)methane	50.0	48.0	96	48-131	
Bis(2-chloroethyl)ether	50.0	45.1	90	46-123	
Bis(2-ethylhexyl) phthalate	50.0	44.9	90	46-143	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DF0505.D

Lab ID: LCSD 410-653019/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	50.0	43.5	87	7	30	51-126	
bis(1-chloroispropyl)ether	50.0	41.2	82	5	30	22-139	
2,4,5-Trichlorophenol	50.0	46.1	92	9	30	55-133	
2,4,6-Trichlorophenol	50.0	47.3	95	8	30	54-139	
2,4-Dichlorophenol	50.0	44.6	89	14	30	51-135	
2,4-Dimethylphenol	50.0	45.6	91	10	30	47-128	
2,4-Dinitrophenol	100	97.9	98	10	30	14-161	
2,4-Dinitrotoluene	50.0	47.6	95	9	30	54-143	
2,6-Dinitrotoluene	50.0	49.6	99	6	30	53-139	
2-Chloronaphthalene	50.0	42.3	85	9	30	48-124	
2-Chlorophenol	50.0	39.9	80	12	30	45-122	
2-Methylnaphthalene	50.0	42.0	84	11	30	49-124	
2-Methylphenol	50.0	38.5	77	11	30	42-120	
2-Nitroaniline	50.0	48.2	96	5	30	49-144	
2-Nitrophenol	50.0	46.6	93	11	30	42-145	
3,3'-Dichlorobenzidine	100	56.1	56	9	30	26-120	
3-Nitroaniline	50.0	39.3	79	9	30	39-130	
4,6-Dinitro-2-methylphenol	100	101	101	10	30	33-172	
4-Bromophenyl-phenylether	50.0	48.2	96	3	30	49-135	
4-Chloro-3-methylphenol	50.0	41.3	83	12	30	49-130	
4-Chloroaniline	50.0	34.7	69	8	30	28-120	
4-Chlorophenyl-phenyl ether	50.0	42.7	85	7	30	49-125	
4-Methylphenol (and/or 3-Methylphenol)	50.0	34.8	70	12	30	38-120	
4-Nitroaniline	50.0	41.9	84	10	30	41-133	
4-Nitrophenol	100	46.3	46	20	30	20-120	
Acenaphthene	50.0	43.6	87	7	30	52-125	
Acenaphthylene	50.0	46.0	92	7	30	51-131	
Acetophenone	50.0	41.0	82	8	30	46-126	
Anthracene	50.0	48.0	96	6	30	55-134	
Atrazine	50.0	49.9	100	8	30	54-141	
Benzaldehyde	50.0	43.0	86	6	30	42-125	
Benzo[a]anthracene	50.0	42.9	86	9	30	54-134	
Benzo[a]pyrene	50.0	48.4	97	6	30	58-135	
Benzo[b]fluoranthene	50.0	45.0	90	5	30	51-132	
Benzo[g,h,i]perylene	50.0	48.4	97	5	30	50-138	
Benzo[k]fluoranthene	50.0	47.4	95	7	30	58-140	
Butylbenzylphthalate	50.0	38.3	77	6	30	34-135	
Caprolactam	50.0	12.6	25	14	30	10-120	
Carbazole	50.0	46.8	94	9	30	52-138	
Chrysene	50.0	43.3	87	9	30	56-136	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DF0505.D

Lab ID: LCSD 410-653019/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Di-n-butyl phthalate	50.0	44.8	90	6	30	49-143	
Di-n-octyl phthalate	50.0	38.6	77	8	30	44-147	
Dibenz(a,h)anthracene	50.0	49.0	98	4	30	47-141	
Dibenzofuran	50.0	43.5	87	7	30	50-128	
Diethyl phthalate	50.0	42.0	84	4	30	45-130	
Dimethyl phthalate	50.0	41.3	83	2	30	30-124	
Fluoranthene	50.0	45.1	90	10	30	56-137	
Fluorene	50.0	43.9	88	6	30	50-128	
Hexachlorobenzene	50.0	47.1	94	5	30	47-135	
Hexachlorobutadiene	50.0	36.1	72	14	30	31-120	
Hexachlorocyclopentadiene	50.0	29.5	59	7	30	10-120	
Hexachloroethane	50.0	33.4	67	11	30	35-120	
Indeno[1,2,3-cd]pyrene	50.0	46.9	94	4	30	47-140	
Isophorone	50.0	43.5	87	9	30	47-129	
N-Nitrosodi-n-propylamine	50.0	40.5	81	7	30	41-123	
N-Nitrosodiphenylamine	42.5	42.1	99	6	30	48-144	
Naphthalene	50.0	42.0	84	11	30	49-121	
Nitrobenzene	50.0	46.2	92	8	30	43-128	
Pentachlorophenol	100	90.9	91	12	30	45-149	
Phenanthrene	50.0	46.2	92	7	30	55-132	
Phenol	50.0	24.8	50	13	30	18-120	
Pyrene	50.0	44.4	89	7	30	58-131	
Bis(2-chloroethoxy)methane	50.0	43.7	87	9	30	48-131	
Bis(2-chloroethyl)ether	50.0	42.1	84	8	30	46-123	
Bis(2-ethylhexyl) phthalate	50.0	37.6	75	10	30	46-143	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: JF0643.D

Lab ID: 410-225004-2 MS Client ID: MW-3D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	51.1	ND	39.0	76	51-126	
bis(1-chloroispropyl)ether	51.1	ND	57.9	113	22-139	
2,4,5-Trichlorophenol	51.1	ND	40.1	78	55-133	
2,4,6-Trichlorophenol	51.1	ND	36.0	70	54-139	
2,4-Dichlorophenol	51.1	ND	38.7	76	51-135	
2,4-Dimethylphenol	51.1	ND	19.1	37	47-128	F1
2,4-Dinitrophenol	102	ND	67.6	66	14-161	
2,4-Dinitrotoluene	51.1	ND	43.2	84	54-143	
2,6-Dinitrotoluene	51.1	ND	42.5	83	53-139	
2-Chloronaphthalene	51.1	ND	41.8	82	48-124	
2-Chlorophenol	51.1	ND	32.2	63	45-122	
2-Methylnaphthalene	51.1	ND	38.5	75	49-124	
2-Methylphenol	51.1	ND	28.1	55	42-120	
2-Nitroaniline	51.1	ND	38.6	75	49-144	
2-Nitrophenol	51.1	ND	33.5	66	42-145	
3,3'-Dichlorobenzidine	102	ND	58.5	57	26-120	
3-Nitroaniline	51.1	ND	32.6	64	39-130	
4,6-Dinitro-2-methylphenol	102	ND	74.8	73	33-172	
4-Bromophenyl-phenylether	51.1	ND	47.4	93	49-135	
4-Chloro-3-methylphenol	51.1	ND	29.3	57	49-130	
4-Chloroaniline	51.1	ND	24.0	47	28-120	
4-Chlorophenyl-phenyl ether	51.1	ND	42.9	84	49-125	
4-Methylphenol (and/or 3-Methylphenol)	51.1	ND	22.3	44	38-120	
4-Nitroaniline	51.1	ND	34.9	68	41-133	
4-Nitrophenol	102	ND	42.8	42	20-120	
Acenaphthene	51.1	ND	40.0	78	52-125	
Acenaphthylene	51.1	ND	45.9	90	51-131	
Acetophenone	51.1	ND	39.0	76	46-126	
Anthracene	51.1	ND	41.1	81	55-134	
Atrazine	51.1	ND	37.2	73	54-141	
Benzaldehyde	51.1	ND	34.8	68	42-125	
Benzo[a]anthracene	51.1	ND	42.3	83	54-134	
Benzo[a]pyrene	51.1	ND	40.5	79	58-135	
Benzo[b]fluoranthene	51.1	ND	42.4	83	51-132	
Benzo[g,h,i]perylene	51.1	ND	44.5	87	50-138	
Benzo[k]fluoranthene	51.1	ND	45.8	90	58-140	
Butylbenzylphthalate	51.1	ND	33.9	66	34-135	
Caprolactam	51.1	ND	9.03	18	10-120	
Carbazole	51.1	ND	48.1	94	52-138	
Chrysene	51.1	ND	42.8	84	56-136	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: JF0643.D

Lab ID: 410-225004-2 MS Client ID: MW-3D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Di-n-butyl phthalate	51.1	ND	39.6	77	49-143	
Di-n-octyl phthalate	51.1	ND	38.8	76	44-147	
Dibenz(a,h)anthracene	51.1	ND	43.6	85	47-141	
Dibenzofuran	51.1	ND	44.6	87	50-128	
Diethyl phthalate	51.1	ND	39.8	78	45-130	
Dimethyl phthalate	51.1	ND	30.2	59	30-124	
Fluoranthene	51.1	ND	44.6	87	56-137	
Fluorene	51.1	ND	43.7	86	50-128	
Hexachlorobenzene	51.1	ND	43.2	84	47-135	
Hexachlorobutadiene	51.1	ND	37.9	74	31-120	
Hexachlorocyclopentadiene	51.1	ND	34.1	67	10-120	
Hexachloroethane	51.1	ND	31.5	62	35-120	
Indeno[1,2,3-cd]pyrene	51.1	ND	43.2	84	47-140	
Isophorone	51.1	ND	39.1	77	47-129	
N-Nitrosodi-n-propylamine	51.1	ND	36.8	72	41-123	
N-Nitrosodiphenylamine	43.4	ND	38.3	88	48-144	
Naphthalene	51.1	ND	40.0	78	49-121	
Nitrobenzene	51.1	ND	39.6	77	43-128	
Pentachlorophenol	102	ND	54.7	54	45-149	
Phenanthrene	51.1	ND	41.5	81	55-132	
Phenol	51.1	ND	16.9	33	18-120	
Pyrene	51.1	ND	44.2	87	58-131	
Bis(2-chloroethoxy)methane	51.1	ND	46.2	90	48-131	
Bis(2-chloroethyl)ether	51.1	ND	38.6	76	46-123	
Bis(2-ethylhexyl) phthalate	51.1	ND	37.2	73	46-143	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: JF0644.D

Lab ID: 410-225004-2 MSD Client ID: MW-3D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	50.9	45.8	90	16	30	51-126	
bis(1-chloroispropyl)ether	50.9	60.4	119	4	30	22-139	
2,4,5-Trichlorophenol	50.9	49.5	97	21	30	55-133	
2,4,6-Trichlorophenol	50.9	44.9	88	22	30	54-139	
2,4-Dichlorophenol	50.9	43.8	86	12	30	51-135	
2,4-Dimethylphenol	50.9	22.4	44	16	30	47-128	F1
2,4-Dinitrophenol	102	77.5	76	14	30	14-161	
2,4-Dinitrotoluene	50.9	51.9	102	18	30	54-143	
2,6-Dinitrotoluene	50.9	50.4	99	17	30	53-139	
2-Chloronaphthalene	50.9	50.4	99	19	30	48-124	
2-Chlorophenol	50.9	37.4	73	15	30	45-122	
2-Methylnaphthalene	50.9	45.7	90	17	30	49-124	
2-Methylphenol	50.9	31.3	62	11	30	42-120	
2-Nitroaniline	50.9	49.2	97	24	30	49-144	
2-Nitrophenol	50.9	42.0	82	22	30	42-145	
3,3'-Dichlorobenzidine	102	66.8	66	13	30	26-120	
3-Nitroaniline	50.9	43.8	86	29	30	39-130	
4,6-Dinitro-2-methylphenol	102	89.0	87	17	30	33-172	
4-Bromophenyl-phenylether	50.9	54.2	107	14	30	49-135	
4-Chloro-3-methylphenol	50.9	38.6	76	27	30	49-130	
4-Chloroaniline	50.9	32.8	64	31	30	28-120	F2
4-Chlorophenyl-phenyl ether	50.9	50.3	99	16	30	49-125	
4-Methylphenol (and/or 3-Methylphenol)	50.9	26.2	51	16	30	38-120	
4-Nitroaniline	50.9	45.2	89	26	30	41-133	
4-Nitrophenol	102	48.6	48	12	30	20-120	
Acenaphthene	50.9	47.2	93	17	30	52-125	
Acenaphthylene	50.9	53.1	104	15	30	51-131	
Acetophenone	50.9	45.3	89	15	30	46-126	
Anthracene	50.9	49.0	96	17	30	55-134	
Atrazine	50.9	46.8	92	23	30	54-141	
Benzaldehyde	50.9	38.7	76	11	30	42-125	
Benzo[a]anthracene	50.9	46.4	91	9	30	54-134	
Benzo[a]pyrene	50.9	45.7	90	12	30	58-135	
Benzo[b]fluoranthene	50.9	50.2	99	17	30	51-132	
Benzo[g,h,i]perylene	50.9	46.1	91	4	30	50-138	
Benzo[k]fluoranthene	50.9	53.5	105	16	30	58-140	
Butylbenzylphthalate	50.9	39.6	78	16	30	34-135	
Caprolactam	50.9	11.9	23	27	30	10-120	
Carbazole	50.9	54.2	107	12	30	52-138	
Chrysene	50.9	48.7	96	13	30	56-136	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: JF0644.D

Lab ID: 410-225004-2 MSD Client ID: MW-3D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Di-n-butyl phthalate	50.9	48.2	95	20	30	49-143	
Di-n-octyl phthalate	50.9	53.0	104	31	30	44-147	F2
Dibenz(a,h)anthracene	50.9	47.2	93	8	30	47-141	
Dibenzofuran	50.9	51.5	101	14	30	50-128	
Diethyl phthalate	50.9	50.5	99	24	30	45-130	
Dimethyl phthalate	50.9	37.8	74	22	30	30-124	
Fluoranthene	50.9	51.5	101	14	30	56-137	
Fluorene	50.9	51.1	100	16	30	50-128	
Hexachlorobenzene	50.9	48.9	96	12	30	47-135	
Hexachlorobutadiene	50.9	41.7	82	10	30	31-120	
Hexachlorocyclopentadiene	50.9	40.3	79	17	30	10-120	
Hexachloroethane	50.9	34.7	68	10	30	35-120	
Indeno[1,2,3-cd]pyrene	50.9	45.8	90	6	30	47-140	
Isophorone	50.9	44.9	88	14	30	47-129	
N-Nitrosodi-n-propylamine	50.9	42.0	82	13	30	41-123	
N-Nitrosodiphenylamine	43.3	43.9	101	13	30	48-144	
Naphthalene	50.9	44.1	87	10	30	49-121	
Nitrobenzene	50.9	42.3	83	7	30	43-128	
Pentachlorophenol	102	59.6	59	9	30	45-149	
Phenanthrene	50.9	49.7	98	18	30	55-132	
Phenol	50.9	20.1	40	18	30	18-120	
Pyrene	50.9	51.2	101	15	30	58-131	
Bis(2-chloroethoxy)methane	50.9	52.5	103	13	30	48-131	
Bis(2-chloroethyl)ether	50.9	45.5	89	16	30	46-123	
Bis(2-ethylhexyl) phthalate	50.9	43.6	86	16	30	46-143	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: DF0503.D Lab Sample ID: MB 410-653019/1-A

Matrix: Water Date Extracted: 06/04/2025 16:15

Instrument ID: HP19760 Date Analyzed: 06/05/2025 08:53

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-653019/2-A	DF0504.D	06/05/2025 09:15
	LCSD 410-653019/3-A	DF0505.D	06/05/2025 09:38
MW-2D	410-225004-1	HF0577.D	06/06/2025 06:52

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: JF0623.D Lab Sample ID: MB 410-653575/1-A

Matrix: Water Date Extracted: 06/05/2025 15:31

Instrument ID: HP23264 Date Analyzed: 06/06/2025 09:29

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-653575/2-A	JF0624.D	06/06/2025 09:50
MW-3D	410-225004-2	JF0642.D	06/06/2025 16:17
MW-3D MS	410-225004-2 MS	JF0643.D	06/06/2025 16:38
MW-3D MSD	410-225004-2 MSD	JF0644.D	06/06/2025 17:00
MW-6D	410-225004-3	JF0645.D	06/06/2025 17:21
MW-7D	410-225004-4	JF0646.D	06/06/2025 17:43
MW-8	410-225004-5	JF0647.D	06/06/2025 18:04
EB	410-225004-6	JF0648.D	06/06/2025 18:25

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: DF1053.D Lab Sample ID: MB 410-655289/1-A

Matrix: Water Date Extracted: 06/10/2025 07:46

Instrument ID: HP19760 Date Analyzed: 06/10/2025 20:23

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-655289/2-A	DF1054.D	06/10/2025 20:44
MW-6D RE	410-225004-3 RE	DF1062.D	06/10/2025 23:32
MW-8 RE	410-225004-5 RE	DF1063.D	06/10/2025 23:53

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: BFB Injection Date:

Instrument ID: BFB Injection Time:

Lab File ID: DFTPP Injection Date:

Instrument ID: DFTPP Injection Time:

Analysis Batch No.:

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE

NOTE: All ion abundances shall be normalized to m/z 95, the nominal base peak, even though the ion abundance of m/z 174 may be up to 120% that of m/z 95. Criteria based on EPA method 524.4.

NOTE: All ion abundances MUST be normalized to m/z 198, the nominal base peak, even though the ion abundance of m/z 442 may exceed that of m/z 198.

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-629105/13	HD1012.D	04/10/2025	22:40
	IC 410-629105/14	HD1013.D	04/10/2025	23:02
	IC 410-629105/15	HD1014.D	04/10/2025	23:25
	IC 410-629105/16	HD1015.D	04/10/2025	23:47
	IC 410-629105/17	HD1016.D	04/11/2025	0:10
	IC 410-629105/18	HD1017.D	04/11/2025	0:32

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: HE0100.D DFTPP Injection Date: 05/01/2025

Instrument ID: HP18831 DFTPP Injection Time: 09:21

Analysis Batch No.: 638082

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	45.5	
68	Less than 2% of mass 69	0.6	(1.5) 1
69	Mass 69 Relative abundance	39.9	
70	Less than 2% of mass 69	0.1	(0.2) 1
127	10-80% of Base Peak	55.3	
197	Less than 2% of mass 198	1.1	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	25.0	
365	Greater than 1% of mass 198	3.7	
441	present but less than 24% of mass 442	15.2	(14.9) 2
442	Greater than 50% of mass 198	101.9	
443	15-24% of mass 442	19.6	(19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-638082/2	HE0101a.D	05/01/2025	9:34
	IC 410-638082/3	HE0102.D	05/01/2025	10:11
	IC 410-638082/4	HE0103.D	05/01/2025	10:33
	IC 410-638082/5	HE0104.D	05/01/2025	10:55
	IC 410-638082/6	HE0105.D	05/01/2025	11:17
	IC 410-638082/7	HE0106.D	05/01/2025	11:38
	IC 410-638082/8	HE0107.D	05/01/2025	12:00
	IC 410-638082/9	HE0108.D	05/01/2025	12:22
	ICV 410-638082/12	HE0111.D	05/01/2025	13:28

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: HF0550a.D DFTPP Injection Date: 06/05/2025

Instrument ID: HP18831 DFTPP Injection Time: 21:05

Analysis Batch No.: 653692

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	67.8	
68	Less than 2% of mass 69	1.0	(1.9) 1
69	Mass 69 Relative abundance	51.9	
70	Less than 2% of mass 69	0.3	(0.6) 1
127	10-80% of Base Peak	64.7	
197	Less than 2% of mass 198	1.5	
198	Base peak	100.0	
199	5-9% of mass 198	7.1	
275	10-60% of Base Peak	29.6	
365	Greater than 1% of mass 198	5.3	
441	present but less than 24% of mass 442	23.5	(15.5) 2
442	Greater than 50% of mass 198	151.5	
443	15-24% of mass 442	30.5	(20.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-653692/2	HF0551.D	06/05/2025	21:20
MW-2D	410-225004-1	HF0577.D	06/06/2025	6:52

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: DD0950.D DFTPP Injection Date: 04/09/2025

Instrument ID: HP19760 DFTPP Injection Time: 20:45

Analysis Batch No.: 628574

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	27.4	
68	Less than 2% of mass 69	0.4	(1.0) 1
69	Mass 69 Relative abundance	36.6	
70	Less than 2% of mass 69	0.1	(0.2) 1
127	10-80% of Base Peak	43.0	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.5	
275	10-60% of Base Peak	27.6	
365	Greater than 1% of mass 198	3.4	
441	present but less than 24% of mass 442	17.3	(15.9) 2
442	Greater than 50% of mass 198	109.0	
443	15-24% of mass 442	21.5	(19.7) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-628574/5	DD0954.D	04/09/2025	22:19
	IC 410-628574/6	DD0955.D	04/09/2025	22:41
	IC 410-628574/7	DD0956.D	04/09/2025	23:04
	IC 410-628574/8	DD0957.D	04/09/2025	23:26
	IC 410-628574/9	DD0958.D	04/09/2025	23:48
	IC 410-628574/10	DD0959.D	04/10/2025	0:10
	ICV 410-628574/11	DD0960.D	04/10/2025	0:32

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: BFB Injection Date:

Instrument ID: BFB Injection Time:

Lab File ID: DFTPP Injection Date:

Instrument ID: DFTPP Injection Time:

Analysis Batch No.:

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE

NOTE: All ion abundances shall be normalized to m/z 95, the nominal base peak, even though the ion abundance of m/z 174 may be up to 120% that of m/z 95. Criteria based on EPA method 524.4.

NOTE: All ion abundances MUST be normalized to m/z 198, the nominal base peak, even though the ion abundance of m/z 442 may exceed that of m/z 198.

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-647492/41	DE2211.D	05/22/2025	13:48
	IC 410-647492/42	DE2212.D	05/22/2025	14:10
	IC 410-647492/43	DE2213.D	05/22/2025	14:32
	IC 410-647492/44	DE2214.D	05/22/2025	14:55
	IC 410-647492/45	DE2215.D	05/22/2025	15:17
	IC 410-647492/46	DE2216.D	05/22/2025	15:39

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: DE3050.D DFTPP Injection Date: 05/30/2025

Instrument ID: HP19760 DFTPP Injection Time: 21:55

Analysis Batch No.: 651088

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	42.9	
68	Less than 2% of mass 69	0.6	(1.4) 1
69	Mass 69 Relative abundance	45.0	
70	Less than 2% of mass 69	0.3	(0.7) 1
127	10-80% of Base Peak	47.6	
197	Less than 2% of mass 198	0.9	
198	Base peak	100.0	
199	5-9% of mass 198	6.6	
275	10-60% of Base Peak	22.6	
365	Greater than 1% of mass 198	2.6	
441	present but less than 24% of mass 442	10.3	(15.0) 2
442	Greater than 50% of mass 198	68.7	
443	15-24% of mass 442	13.2	(19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-651088/2	DE3051.D	05/30/2025	22:18
	IC 410-651088/3	DE3052.D	05/30/2025	22:50
	IC 410-651088/4	DE3053.D	05/30/2025	23:12
	IC 410-651088/5	DE3054.D	05/30/2025	23:34
	IC 410-651088/6	DE3055.D	05/30/2025	23:56
	IC 410-651088/7	DE3056.D	05/31/2025	0:17
	IC 410-651088/8	DE3057.D	05/31/2025	0:38
	IC 410-651088/9	DE3058.D	05/31/2025	0:59
	ICV 410-651088/12	DE3061.D	05/31/2025	2:04

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: DF0500.D DFTPP Injection Date: 06/05/2025

Instrument ID: HP19760 DFTPP Injection Time: 07:15

Analysis Batch No.: 653230

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	39.8	
68	Less than 2% of mass 69	0.8	(1.9) 1
69	Mass 69 Relative abundance	43.8	
70	Less than 2% of mass 69	0.3	(0.7) 1
127	10-80% of Base Peak	45.1	
197	Less than 2% of mass 198	0.8	
198	Base peak	100.0	
199	5-9% of mass 198	7.1	
275	10-60% of Base Peak	24.1	
365	Greater than 1% of mass 198	2.8	
441	present but less than 24% of mass 442	11.4	(15.2) 2
442	Greater than 50% of mass 198	74.9	
443	15-24% of mass 442	13.8	(18.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-653230/2	DF0501.D	06/05/2025	7:38
	MB 410-653019/1-A	DF0503.D	06/05/2025	8:53
	LCS 410-653019/2-A	DF0504.D	06/05/2025	9:15
	LCSD 410-653019/3-A	DF0505.D	06/05/2025	9:38

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: DF1050.D DFTPP Injection Date: 06/10/2025

Instrument ID: HP19760 DFTPP Injection Time: 19:18

Analysis Batch No.: 655733

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	35.3	
68	Less than 2% of mass 69	0.7	(1.6) 1
69	Mass 69 Relative abundance	41.1	
70	Less than 2% of mass 69	0.2	(0.5) 1
127	10-80% of Base Peak	44.3	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.9	
275	10-60% of Base Peak	25.3	
365	Greater than 1% of mass 198	2.7	
441	present but less than 24% of mass 442	12.4	(15.2) 2
442	Greater than 50% of mass 198	81.5	
443	15-24% of mass 442	15.6	(19.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-655733/2	DF1051.D	06/10/2025	19:35
	MB 410-655289/1-A	DF1053.D	06/10/2025	20:23
	LCS 410-655289/2-A	DF1054.D	06/10/2025	20:44
MW-6D RE	410-225004-3 RE	DF1062.D	06/10/2025	23:32
MW-8 RE	410-225004-5 RE	DF1063.D	06/10/2025	23:53

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: JE0750b.D DFTPP Injection Date: 05/07/2025

Instrument ID: HP23264 DFTPP Injection Time: 23:19

Analysis Batch No.: 641051

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	43.6	
68	Less than 2% of mass 69	0.9	(1.5) 1
69	Mass 69 Relative abundance	58.1	
70	Less than 2% of mass 69	0.3	(0.6) 1
127	10-80% of Base Peak	50.4	
197	Less than 2% of mass 198	0.9	
198	Base peak	100.0	
199	5-9% of mass 198	7.4	
275	10-60% of Base Peak	24.0	
365	Greater than 1% of mass 198	3.6	
441	present but less than 24% of mass 442	20.1	(15.2) 2
442	Greater than 50% of mass 198	132.2	
443	15-24% of mass 442	25.6	(19.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-641051/2	JE0751a.D	05/07/2025	23:49
	IC 410-641051/3	JE0752.D	05/08/2025	0:10
	IC 410-641051/4	JE0753.D	05/08/2025	0:31
	IC 410-641051/5	JE0754.D	05/08/2025	0:53
	IC 410-641051/6	JE0755.D	05/08/2025	1:14
	IC 410-641051/7	JE0756.D	05/08/2025	1:36
	IC 410-641051/8	JE0757.D	05/08/2025	1:57
	IC 410-641051/9	JE0758.D	05/08/2025	2:18
	ICV 410-641051/12	JE0761.D	05/08/2025	3:22

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab File ID: JF0600.D DFTPP Injection Date: 06/06/2025

Instrument ID: HP23264 DFTPP Injection Time: 06:35

Analysis Batch No.: 653809

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	63.4	
68	Less than 2% of mass 69	0.9	(1.4) 1
69	Mass 69 Relative abundance	64.9	
70	Less than 2% of mass 69	0.3	(0.5) 1
127	10-80% of Base Peak	56.0	
197	Less than 2% of mass 198	0.3	
198	Base peak	100.0	
199	5-9% of mass 198	8.4	
275	10-60% of Base Peak	26.9	
365	Greater than 1% of mass 198	3.8	
441	present but less than 24% of mass 442	12.2	(14.6) 2
442	Greater than 50% of mass 198	83.4	
443	15-24% of mass 442	15.6	(18.7) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-653809/2	JF0601.D	06/06/2025	7:30
	MB 410-653575/1-A	JF0623.D	06/06/2025	9:29
	LCS 410-653575/2-A	JF0624.D	06/06/2025	9:50
MW-3D	410-225004-2	JF0642.D	06/06/2025	16:17
MW-3D MS	410-225004-2 MS	JF0643.D	06/06/2025	16:38
MW-3D MSD	410-225004-2 MSD	JF0644.D	06/06/2025	17:00
MW-6D	410-225004-3	JF0645.D	06/06/2025	17:21
MW-7D	410-225004-4	JF0646.D	06/06/2025	17:43
MW-8	410-225004-5	JF0647.D	06/06/2025	18:04
EB	410-225004-6	JF0648.D	06/06/2025	18:25

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: ICIS 410-638082/2 Date Analyzed: 05/01/2025 09:34

Instrument ID: HP18831 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HE0101a.D Heated Purge: (Y/N) N

Calibration ID: 72270

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		187880	4.59	731775	5.83	437153	7.58
UPPER LIMIT		375760	5.09	1463550	6.33	874306	8.08
LOWER LIMIT		93940	4.09	365888	5.33	218577	7.08
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-638082/12		145961	4.59	599000	5.83	339609	7.58
CCVIS 410-653692/2		139166	4.36	530889	5.60	305705	7.34

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: ICIS 410-638082/2 Date Analyzed: 05/01/2025 09:34

Instrument ID: HP18831 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HE0101a.D Heated Purge: (Y/N) N

Calibration ID: 72270

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		800941	9.04	820477	10.45	693639	13.97
UPPER LIMIT		1601882	9.54	1640954	10.95	1387278	14.47
LOWER LIMIT		400471	8.54	410239	9.95	346820	13.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-638082/12		628612	9.04	614632	10.45	483698	13.97
CCVIS 410-653692/2		570811	8.80	589237	10.20	546527	13.59

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVIS 410-653692/2 Date Analyzed: 06/05/2025 21:20

Instrument ID: HP18831 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HF0551.D Heated Purge: (Y/N) N

Calibration ID: 73278

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		139166	4.36	530889	5.60	305705	7.34
UPPER LIMIT		278332	4.86	1061778	6.10	611410	7.84
LOWER LIMIT		69583	3.86	265445	5.10	152853	6.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
410-225004-1	MW-2D	137225	4.36	508895	5.60	275906	7.34

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVIS 410-653692/2 Date Analyzed: 06/05/2025 21:20

Instrument ID: HP18831 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HF0551.D Heated Purge: (Y/N) N

Calibration ID: 73278

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		570811	8.80	589237	10.20	546527	13.59
UPPER LIMIT		1141622	9.30	1178474	10.70	1093054	14.09
LOWER LIMIT		285406	8.30	294619	9.70	273264	13.09
LAB SAMPLE ID	CLIENT SAMPLE ID						
410-225004-1	MW-2D	509228	8.80	536193	10.20	508555	13.60

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: ICIS 410-651088/2 Date Analyzed: 05/30/2025 22:18

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DE3051.D Heated Purge: (Y/N) N

Calibration ID: 73193

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		203780	4.19	815515	5.41	474622	7.08
UPPER LIMIT		407560	4.69	1631030	5.91	949244	7.58
LOWER LIMIT		101890	3.69	407758	4.91	237311	6.58
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-651088/12		168803	4.19	697992	5.41	413167	7.08
CCVIS 410-653230/2		174442	4.14	646625	5.37	369508	7.04
CCVIS 410-655733/2		203560	4.06	735813	5.29	429277	6.95

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: ICIS 410-651088/2 Date Analyzed: 05/30/2025 22:18

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DE3051.D Heated Purge: (Y/N) N

Calibration ID: 73193

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		858801	8.48	880956	9.83	673950	12.90
UPPER LIMIT		1717602	8.98	1761912	10.33	1347900	13.40
LOWER LIMIT		429401	7.98	440478	9.33	336975	12.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-651088/12		765088	8.48	780494	9.82	598519	12.90
CCVIS 410-653230/2		696706	8.45	715694	9.80	547284	12.88
CCVIS 410-655733/2		763655	8.36	793657	9.70	661247	12.71

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVIS 410-653230/2 Date Analyzed: 06/05/2025 07:38

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DF0501.D Heated Purge: (Y/N) N

Calibration ID: 73196

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		174442	4.14	646625	5.37	369508	7.04
UPPER LIMIT		348884	4.64	1293250	5.87	739016	7.54
LOWER LIMIT		87221	3.64	323313	4.87	184754	6.54
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-653019/1-A		164075	4.14	591977	5.37	329757	7.04
LCS 410-653019/2-A		167687	4.14	608008	5.37	345198	7.04
LCSD 410-653019/3-A		179993	4.14	663328	5.37	365977	7.04

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVIS 410-653230/2 Date Analyzed: 06/05/2025 07:38

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DF0501.D Heated Purge: (Y/N) N

Calibration ID: 73196

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		696706	8.45	715694	9.80	547284	12.88
UPPER LIMIT		1393412	8.95	1431388	10.30	1094568	13.38
LOWER LIMIT		348353	7.95	357847	9.30	273642	12.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-653019/1-A		620618	8.45	612712	9.79	427612	12.86
LCS 410-653019/2-A		614534	8.45	605869	9.79	412917	12.87
LCSD 410-653019/3-A		638672	8.45	615410	9.79	418311	12.86

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVIS 410-655733/2 Date Analyzed: 06/10/2025 19:35

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DF1051.D Heated Purge: (Y/N) N

Calibration ID: 73196

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		203560	4.06	735813	5.29	429277	6.95
UPPER LIMIT		407120	4.56	1471626	5.79	858554	7.45
LOWER LIMIT		101780	3.56	367907	4.79	214639	6.45
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-655289/1-A		184112	4.06	671637	5.28	377716	6.95
LCS 410-655289/2-A		191599	4.06	683674	5.28	385464	6.95
410-225004-3 RE	MW-6D RE	155148	4.06	570158	5.28	317144	6.95
410-225004-5 RE	MW-8 RE	163465	4.06	602596	5.28	343725	6.95

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVIS 410-655733/2 Date Analyzed: 06/10/2025 19:35

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DF1051.D Heated Purge: (Y/N) N

Calibration ID: 73196

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		763655	8.36	793657	9.70	661247	12.71
UPPER LIMIT		1527310	8.86	1587314	10.20	1322494	13.21
LOWER LIMIT		381828	7.86	396829	9.20	330624	12.21
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-655289/1-A		707126	8.36	717115	9.70	545887	12.71
LCS 410-655289/2-A		685867	8.35	693947	9.70	502174	12.71
410-225004-3 RE	MW-6D RE	599543	8.35	621215	9.69	475620	12.71
410-225004-5 RE	MW-8 RE	646655	8.35	671737	9.69	522881	12.70

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: ICIS 410-641051/2 Date Analyzed: 05/07/2025 23:49

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JE0751a.D Heated Purge: (Y/N) N

Calibration ID: 72461

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		206113	4.34	831564	5.56	463358	7.23
UPPER LIMIT		412226	4.84	1663128	6.06	926716	7.73
LOWER LIMIT		103057	3.84	415782	5.06	231679	6.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-641051/12		156224	4.33	632334	5.55	344580	7.23
CCVIS 410-653809/2		180910	4.21	694972	5.44	375499	7.12

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: ICIS 410-641051/2 Date Analyzed: 05/07/2025 23:49

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JE0751a.D Heated Purge: (Y/N) N

Calibration ID: 72461

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		806658	8.64	870930	9.99	867161	13.20
UPPER LIMIT		1613316	9.14	1741860	10.49	1734322	13.70
LOWER LIMIT		403329	8.14	435465	9.49	433581	12.70
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-641051/12		692881	8.64	735873	9.99	757750	13.19
CCVIS 410-653809/2		744255	8.53	814315	9.88	798331	13.01

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVIS 410-653809/2 Date Analyzed: 06/06/2025 07:30

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JF0601.D Heated Purge: (Y/N) N

Calibration ID: 73340

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		180910	4.21	694972	5.44	375499	7.12
UPPER LIMIT		361820	4.71	1389944	5.94	750998	7.62
LOWER LIMIT		90455	3.71	347486	4.94	187750	6.62
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-653575/1-A		208537	4.21	710851	5.44	362739	7.12
LCS 410-653575/2-A		201928	4.21	686626	5.43	381886	7.12
410-225004-2	MW-3D	199032	4.21	702072	5.43	371601	7.12
410-225004-2 MS	MW-3D MS	197455	4.21	698232	5.43	383734	7.12
410-225004-2 MSD	MW-3D MSD	284908	4.21	1004738	5.43	551131	7.12
410-225004-3	MW-6D	282214	4.21	982033	5.43	541159	7.12
410-225004-4	MW-7D	195959	4.21	696268	5.43	364450	7.12
410-225004-5	MW-8	217084	4.21	712454	5.43	398862	7.12
410-225004-6	EB	204046	4.21	694215	5.43	353335	7.12

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVIS 410-653809/2 Date Analyzed: 06/06/2025 07:30

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JF0601.D Heated Purge: (Y/N) N

Calibration ID: 73340

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		744255	8.53	814315	9.88	798331	13.01
UPPER LIMIT		1488510	9.03	1628630	10.38	1596662	13.51
LOWER LIMIT		372128	8.03	407158	9.38	399166	12.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-653575/1-A		665993	8.53	707930	9.88	659613	13.01
LCS 410-653575/2-A		674361	8.53	688766	9.88	612271	13.01
410-225004-2	MW-3D	753889	8.52	734498	9.87	663274	13.01
410-225004-2 MS	MW-3D MS	705666	8.52	719734	9.88	643985	13.01
410-225004-2 MSD	MW-3D MSD	1054530	8.52	1040631	9.88	798879	13.01
410-225004-3	MW-6D	1099876	8.52	1037017	9.88	823525	13.01
410-225004-4	MW-7D	688477	8.52	700838	9.88	672479	13.01
410-225004-5	MW-8	757452	8.52	740162	9.87	675798	13.01
410-225004-6	EB	691925	8.52	736139	9.87	625474	13.01

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Matrix: Water
Lab File ID: HF0577.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:06

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 244.9(mL)
Date Analyzed: 06/06/2025 06:52

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653692
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP18831

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		2.0	0.51
108-60-1	bis(1-chloroispropyl)ether	ND		2.0	0.51
95-95-4	2,4,5-Trichlorophenol	ND		2.0	0.51
88-06-2	2,4,6-Trichlorophenol	ND		2.0	0.51
120-83-2	2,4-Dichlorophenol	ND		2.0	0.51
105-67-9	2,4-Dimethylphenol	ND		10	3.1
51-28-5	2,4-Dinitrophenol	ND		31	14
121-14-2	2,4-Dinitrotoluene	ND		5.1	1.0
606-20-2	2,6-Dinitrotoluene	ND		2.0	0.51
91-58-7	2-Chloronaphthalene	ND		1.0	0.41
95-57-8	2-Chlorophenol	ND		2.0	0.51
91-57-6	2-Methylnaphthalene	ND		0.51	0.10
95-48-7	2-Methylphenol	ND		2.0	0.51
88-74-4	2-Nitroaniline	ND		5.1	1.0
88-75-5	2-Nitrophenol	ND		5.1	1.0
91-94-1	3,3'-Dichlorobenzidine	ND		10	4.1
99-09-2	3-Nitroaniline	ND		5.1	2.0
534-52-1	4,6-Dinitro-2-methylphenol	ND		21	8.2
101-55-3	4-Bromophenyl-phenylether	ND		2.0	0.51
59-50-7	4-Chloro-3-methylphenol	ND		5.1	1.0
106-47-8	4-Chloroaniline	ND		10	4.1
7005-72-3	4-Chlorophenyl-phenyl ether	ND		2.0	0.51
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND		2.0	0.51
100-01-6	4-Nitroaniline	ND		3.1	0.92
100-02-7	4-Nitrophenol	ND		31	10
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
98-86-2	Acetophenone	4.1	J	5.1	1.0
120-12-7	Anthracene	ND		0.51	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Matrix: Water
Lab File ID: HF0577.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:06

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 244.9(mL)
Date Analyzed: 06/06/2025 06:52

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653692
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP18831

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND		5.1	1.0
100-52-7	Benzaldehyde	ND		5.1	1.0
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.11
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
85-68-7	Butylbenzylphthalate	ND		5.1	2.0
105-60-2	Caprolactam	ND		7.1	3.1
86-74-8	Carbazole	ND		2.0	0.51
218-01-9	Chrysene	ND		0.51	0.10
84-74-2	Di-n-butyl phthalate	ND		5.1	2.0
117-84-0	Di-n-octyl phthalate	ND	cn	11	5.1
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
132-64-9	Dibenzofuran	ND		2.0	0.51
84-66-2	Diethyl phthalate	ND		5.1	2.0
131-11-3	Dimethyl phthalate	ND		5.1	2.0
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.12
118-74-1	Hexachlorobenzene	ND		0.51	0.11
87-68-3	Hexachlorobutadiene	ND		2.0	0.51
77-47-4	Hexachlorocyclopentadiene	ND		11	5.1
67-72-1	Hexachloroethane	ND		5.1	0.51
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.11
78-59-1	Isophorone	ND		2.0	0.51
621-64-7	N-Nitrosodi-n-propylamine	ND		2.0	0.51
86-30-6	N-Nitrosodiphenylamine	ND		2.0	0.51
91-20-3	Naphthalene	ND		0.51	0.27
98-95-3	Nitrobenzene	ND		2.0	0.51
87-86-5	Pentachlorophenol	ND		5.1	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Matrix: Water
Lab File ID: HF0577.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:06

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 244.9(mL)
Date Analyzed: 06/06/2025 06:52

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653692
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP18831

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND		0.51	0.11
108-95-2	Phenol	ND		2.0	0.51
129-00-0	Pyrene	ND		0.51	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND		2.0	0.51
111-44-4	Bis(2-chloroethyl)ether	ND		2.0	0.51
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.1	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	44		13-134
321-60-8	2-Fluorobiphenyl (Surr)	47		45-120
367-12-4	2-Fluorophenol (Surr)	25		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	47		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	65		26-123
4165-62-2	Phenol-d5 (Surr)	17		10-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Matrix: Water
Lab File ID: HF0577.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:06

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 244.9(mL)
Date Analyzed: 06/06/2025 06:52

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653692
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP18831

Number TICs Found: 2
TIC Result Total: 8.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	3.56	4.4	T J	
24535-53-3	4-Nitro-4'-chlorodiphenylsulphoxide	3.99	4.2	T J N	92%

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0577.D
Lims ID: 410-225004-G-1-A
Client ID: MW-2D
Sample Type: Client
Inject. Date: 06-Jun-2025 06:52:30 ALS Bottle#: 26 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-1-A
Misc. Info.: 410-0149487-028
Operator ID: IR93211 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 13:48:52 Calib Date: 05-Jun-2025 22:10:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0553.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: W6ZA Date: 06-Jun-2025 13:46:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	3.204	3.004	0.006	92	211026	6.27	
15 Benzaldehyde	77		3.945				ND	7
$ 16 Phenol-d5	99	4.034	4.081	0.012	97	176938	4.31	
17 Phenol	94		4.034				ND	7
19 Bis(2-chloroethyl)ether	93		4.098				ND	
20 2-Chlorophenol	128		4.163				ND	7
* 23 1,4-Dichlorobenzene-d4	152	4.357	4.357	0.000	96	137225	5.00	
30 2-Methylphenol	108		4.604				ND	
32 2,2'-oxybis[1-chloropropane]	45		4.610				ND	7
35 N-Nitrosodi-n-propylamine	70		4.739				ND	U
34 Acetophenone	105	4.745	4.740	0.006	97	53133	1.00	
36 4-Methylphenol	108		4.757				ND	U
40 Hexachloroethane	117		4.845				ND	U
$ 41 Nitrobenzene-d5	82	4.887	4.887	0.000	88	409108	11.7	
42 Nitrobenzene	77		4.904				ND	U
45 Isophorone	82		5.139				ND	7
46 2-Nitrophenol	139		5.222				ND	
48 2,4-Dimethylphenol	107		5.275				ND	7
51 Bis(2-chloroethoxy)methane	93		5.357				ND	
52 2,4-Dichlorophenol	162		5.475				ND	
* 54 Naphthalene-d8	136	5.598	5.598	0.000	99	508895	5.00	
55 Naphthalene	128		5.622				ND	7
57 4-Chloroaniline	127		5.675				ND	7
60 Hexachlorobutadiene	225		5.745				ND	
63 Caprolactam	113		5.992				ND	7
66 4-Chloro-3-methylphenol	107		6.181				ND	7
68 2-Methylnaphthalene	142		6.310				ND	
71 Hexachlorocyclopentadiene	237		6.469				ND	
74 2,4,6-Trichlorophenol	196		6.598				ND	
75 2,4,5-Trichlorophenol	196		6.651				ND	
$ 76 2-Fluorobiphenyl (Surr)	172	6.675	6.675	0.000	99	939861	11.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
78 1,1'-Biphenyl	154		6.775				ND	7
79 2-Chloronaphthalene	162		6.792				ND	
82 2-Nitroaniline	138		6.892				ND	
86 Dimethyl phthalate	163		7.080				ND	
88 2,6-Dinitrotoluene	165		7.133				ND	7
89 Acenaphthylene	152		7.198				ND	
90 3-Nitroaniline	138		7.298				ND	
* 91 Acenaphthene-d10	164	7.339	7.339	0.000	95	275906	5.00	
93 Acenaphthene	153		7.369				ND	7
94 2,4-Dinitrophenol	184		7.404				ND	
95 4-Nitrophenol	109		7.516				ND	7
98 2,4-Dinitrotoluene	165		7.533				ND	U
97 Dibenzofuran	168		7.539				ND	
104 Diethyl phthalate	149		7.775				ND	7
105 Fluorene	166		7.880				ND	
108 4-Chlorophenyl phenyl ether	204		7.886				ND	
109 4-Nitroaniline	138		7.898				ND	
110 4,6-Dinitro-2-methylphenol	198		7.928				ND	7
111 N-Nitrosodiphenylamine	169		7.998				ND	7
$ 113 2,4,6-Tribromophenol	330	8.122	8.122	0.000	94	157307	10.9	
118 4-Bromophenyl phenyl ether	248		8.363				ND	
120 Hexachlorobenzene	284		8.422				ND	
122 Atrazine	200		8.527				ND	
123 Pentachlorophenol	266		8.622				ND	7
* 127 Phenanthrene-d10	188	8.804	8.804	0.000	97	509228	5.00	
129 Phenanthrene	178		8.822				ND	
130 Anthracene	178		8.874				ND	7
131 Carbazole	167		9.039				ND	
133 Di-n-butyl phthalate	149		9.386				ND	7
138 Fluoranthene	202		9.992				ND	
* 140 Pyrene-d10 (IS)	212	10.198	10.198	0.000	99	536193	5.00	
141 Pyrene	202		10.216				ND	7
$ 142 p-Terphenyl-d14	244	10.380	10.380	0.000	98	1481372	16.3	
146 Butyl benzyl phthalate	149		10.921				ND	7
149 3,3'-Dichlorobenzidine	252		11.551				ND	7
148 Benzo[a]anthracene	228		11.574				ND	
151 Chrysene	228		11.621				ND	
152 Bis(2-ethylhexyl) phthalate	149		11.645				ND	7
154 Di-n-octyl phthalate	149		12.545				ND	U
155 Benzo[b]fluoranthene	252		13.045				ND	7
157 Benzo[k]fluoranthene	252		13.086				ND	7
158 Benzo[a]pyrene	252		13.515				ND	7
* 159 Perylene-d12	264	13.598	13.592	0.006	99	508555	5.00	
163 Indeno[1,2,3-cd]pyrene	276		15.245				ND	
164 Dibenz(a,h)anthracene	278		15.292				ND	7
165 Benzo[g,h,i]perylene	276		15.715				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00107 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0577.D				
Lims ID:	410-225004-G-1-A				
Client ID:	MW-2D				
Sample Type:	Client				
Inject. Date:	06-Jun-2025 06:52:30	ALS Bottle#:	26	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-G-1-A				
Misc. Info.:	410-0149487-028				
Operator ID:	IR93211	Instrument ID:	HP18831		
Method:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\MSSemi_HP18831.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	06-Jun-2025 13:48:52	Calib Date:	05-Jun-2025 22:10:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	20.00000		
MS Library:	\\chromfs\Lancaster\Database\NIST98.L				
Min. Match:	85				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1649				
First Level Reviewer: W6ZA		Date:	06-Jun-2025 13:46:44		

Tentative Identified Compound Results

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
		Unknown						
3.557	179062	1.07	23					
	24535-53-3	4-Nitro-4'-chlorodiphenylsulphoxide						
3.992	170307	1.02	23	92	97316	C12H8ClNO3S	281	

Quantitation Compounds

Compound	RT	Area	Amount ug/ml
* 23 1,4-Dichlorobenzene-d4	4.357	834541	5.00

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00107 Amount Added: 20.00 Units: uL Run Reagent

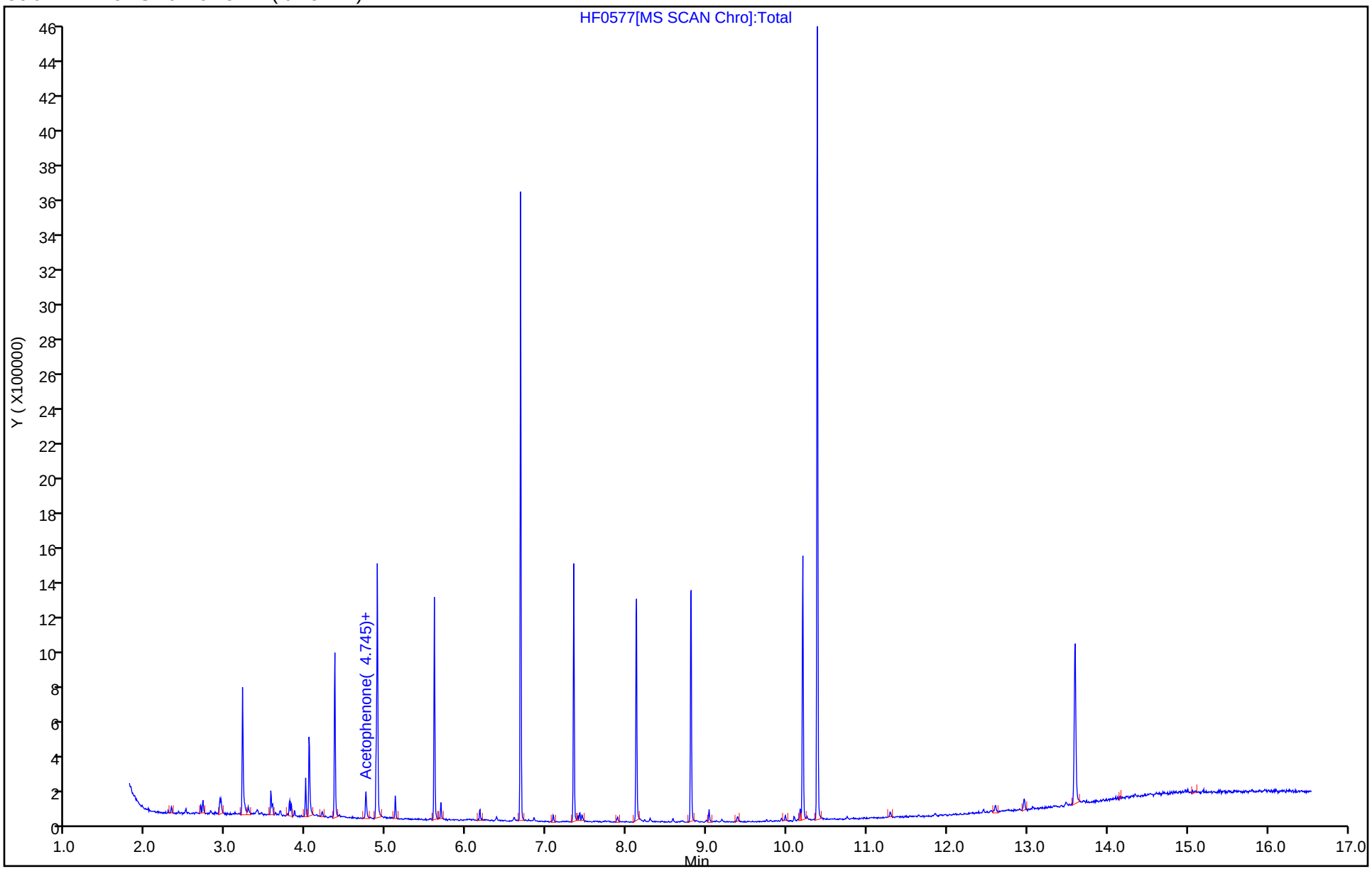
Report Date: 06-Jun-2025 13:49:52 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0577.D

Injection Date:	06-Jun-2025 06:52:30	Instrument ID:	HP18831	Operator ID:	IR93211
Lims ID:	410-225004-G-1-A	Lab Sample ID:	410-225004-1	Worklist Smp#:	28
Client ID:	MW-2D				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0577.D
Lims ID: 410-225004-G-1-A
Client ID: MW-2D
Sample Type: Client
Inject. Date: 06-Jun-2025 06:52:30 ALS Bottle#: 26 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-1-A
Misc. Info.: 410-0149487-028
Operator ID: IR93211 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 13:48:52 Calib Date: 05-Jun-2025 22:10:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0553.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

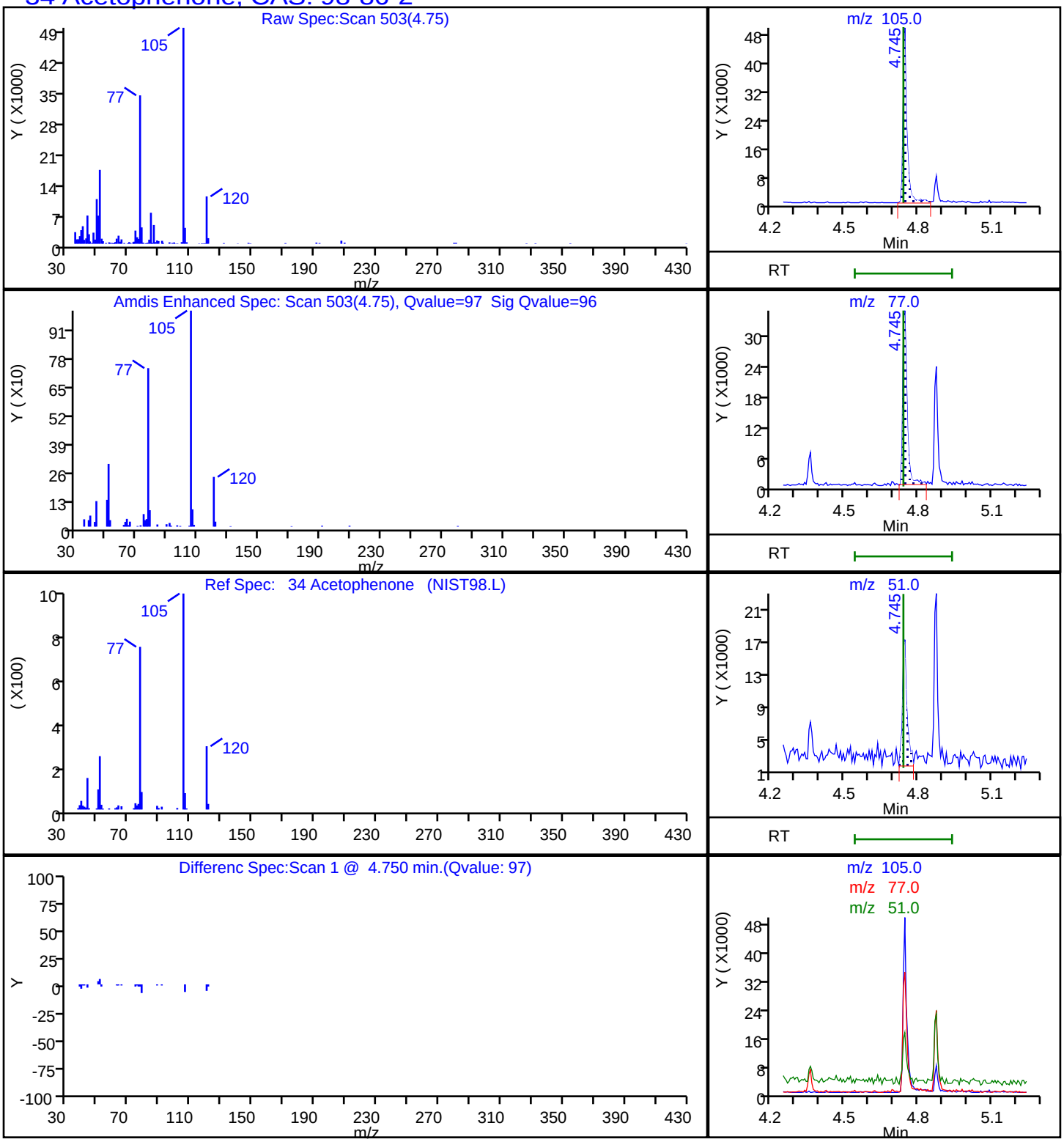
First Level Reviewer: W6ZA Date: 06-Jun-2025 13:46:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	6.27	25.09
$ 16 Phenol-d5	25.0	4.31	17.22
$ 41 Nitrobenzene-d5	25.0	11.7	46.92
$ 76 2-Fluorobiphenyl (Surr)	25.0	11.8	47.19
$ 113 2,4,6-Tribromophenol	25.0	10.9	43.55
$ 142 p-Terphenyl-d14	25.0	16.3	65.20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0577.D		
Injection Date:	06-Jun-2025 06:52:30	Instrument ID:	HP18831
Lims ID:	410-225004-G-1-A	Lab Sample ID:	410-225004-1
Client ID:	MW-2D		
Operator ID:	IR93211	ALS Bottle#:	26 Worklist Smp#: 28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

34 Acetophenone, CAS: 98-86-2



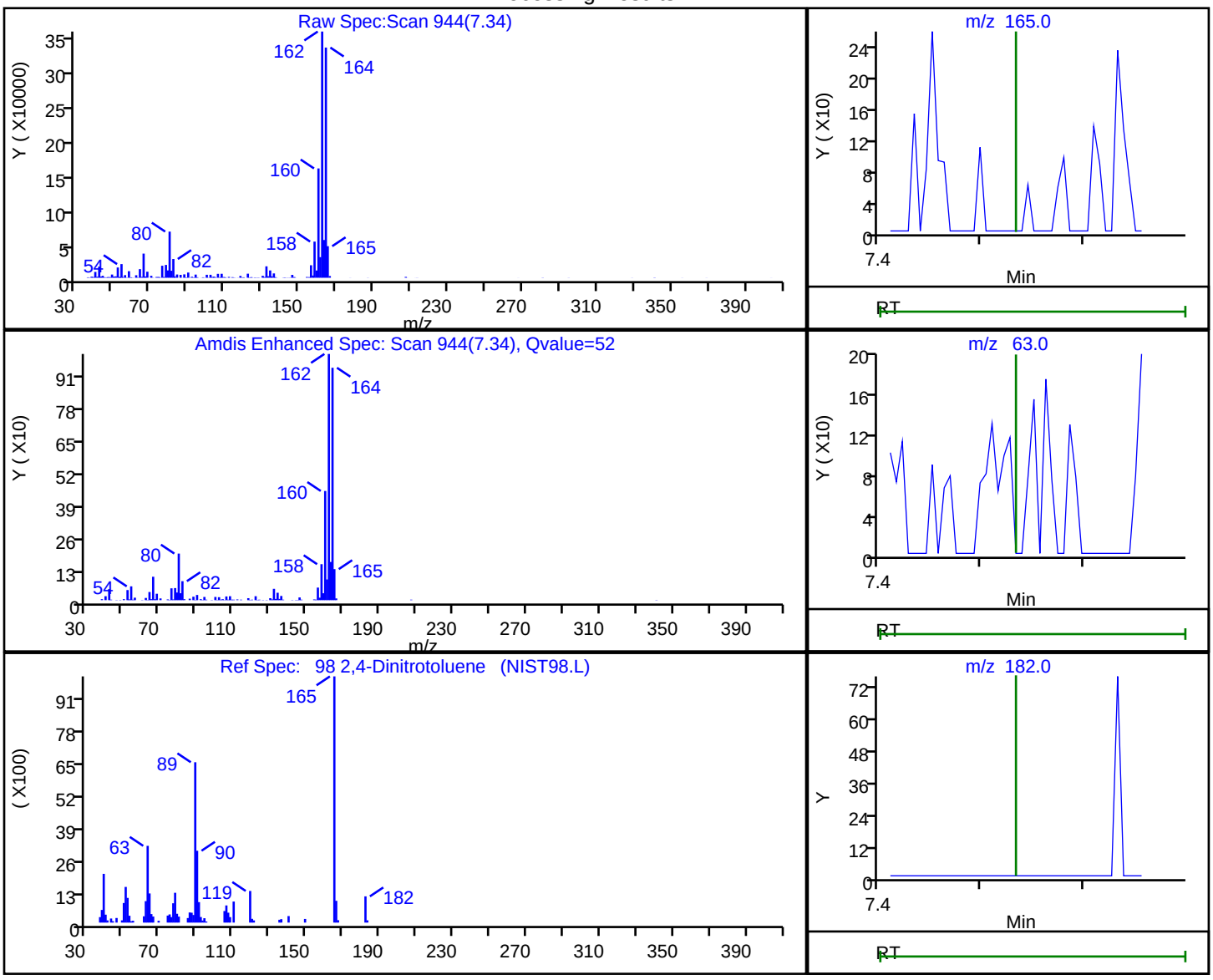
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0577.D				
Injection Date:	06-Jun-2025 06:52:30	Instrument ID:	HP18831		
Lims ID:	410-225004-G-1-A	Lab Sample ID:	410-225004-1		
Client ID:	MW-2D				
Operator ID:	IR93211	ALS Bottle#:	26	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

98 2,4-Dinitrotoluene, CAS: 121-14-2

Processing Results



RT	Mass	Response	Amount
7.34	165.00	34628	1.690282
7.34	63.00	500	
7.53	182.00	0	
7.33	89.00	612	

Reviewer: W6ZA, 06-Jun-2025 13:46:31 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

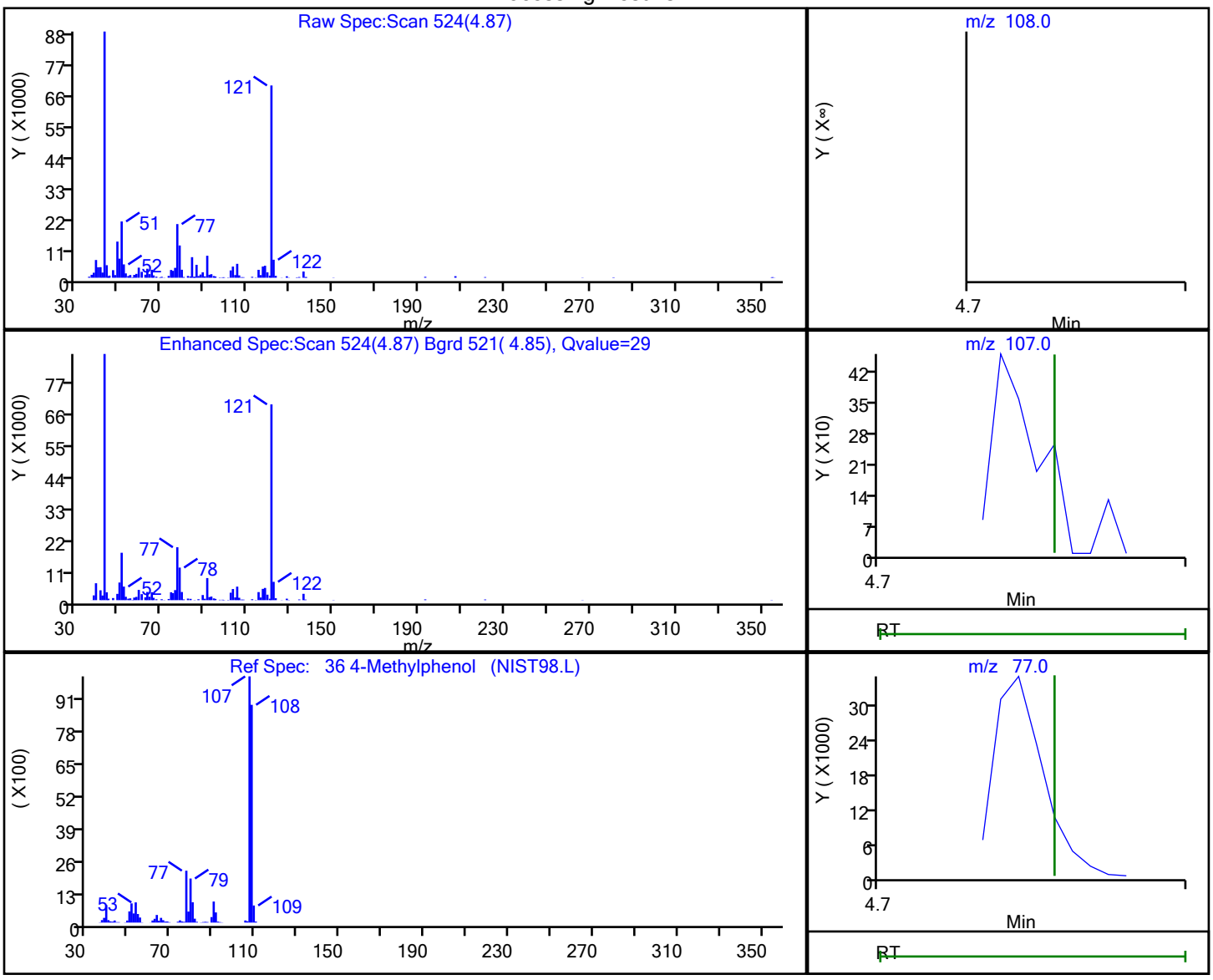
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0577.D				
Injection Date:	06-Jun-2025 06:52:30	Instrument ID:	HP18831		
Lims ID:	410-225004-G-1-A	Lab Sample ID:	410-225004-1		
Client ID:	MW-2D				
Operator ID:	IR93211	ALS Bottle#:	26	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

36 4-Methylphenol, CAS: 106-44-5

Processing Results



RT	Mass	Response	Amount
4.87	108.00	109	0.003301
4.87	107.00	277	
4.87	77.00	23758	
4.87	90.00	1090	

Reviewer: W6ZA, 06-Jun-2025 13:45:58 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

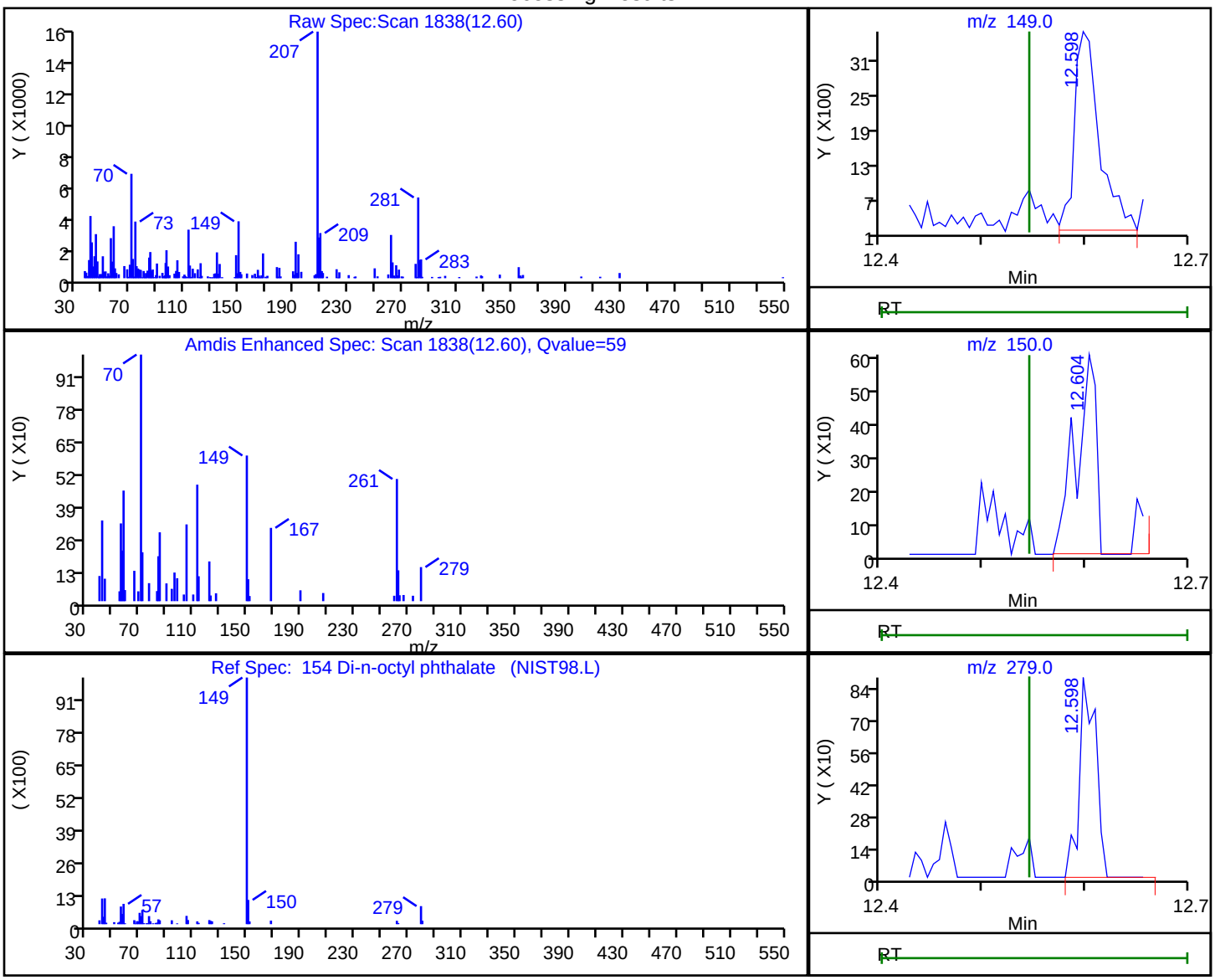
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0577.D				
Injection Date:	06-Jun-2025 06:52:30	Instrument ID:	HP18831		
Lims ID:	410-225004-G-1-A	Lab Sample ID:	410-225004-1		
Client ID:	MW-2D				
Operator ID:	IR93211	ALS Bottle#:	26	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

154 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
12.60	149.00	5651	0.783710
12.60	150.00	926	
12.60	279.00	996	

Reviewer: W6ZA, 06-Jun-2025 13:46:40 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

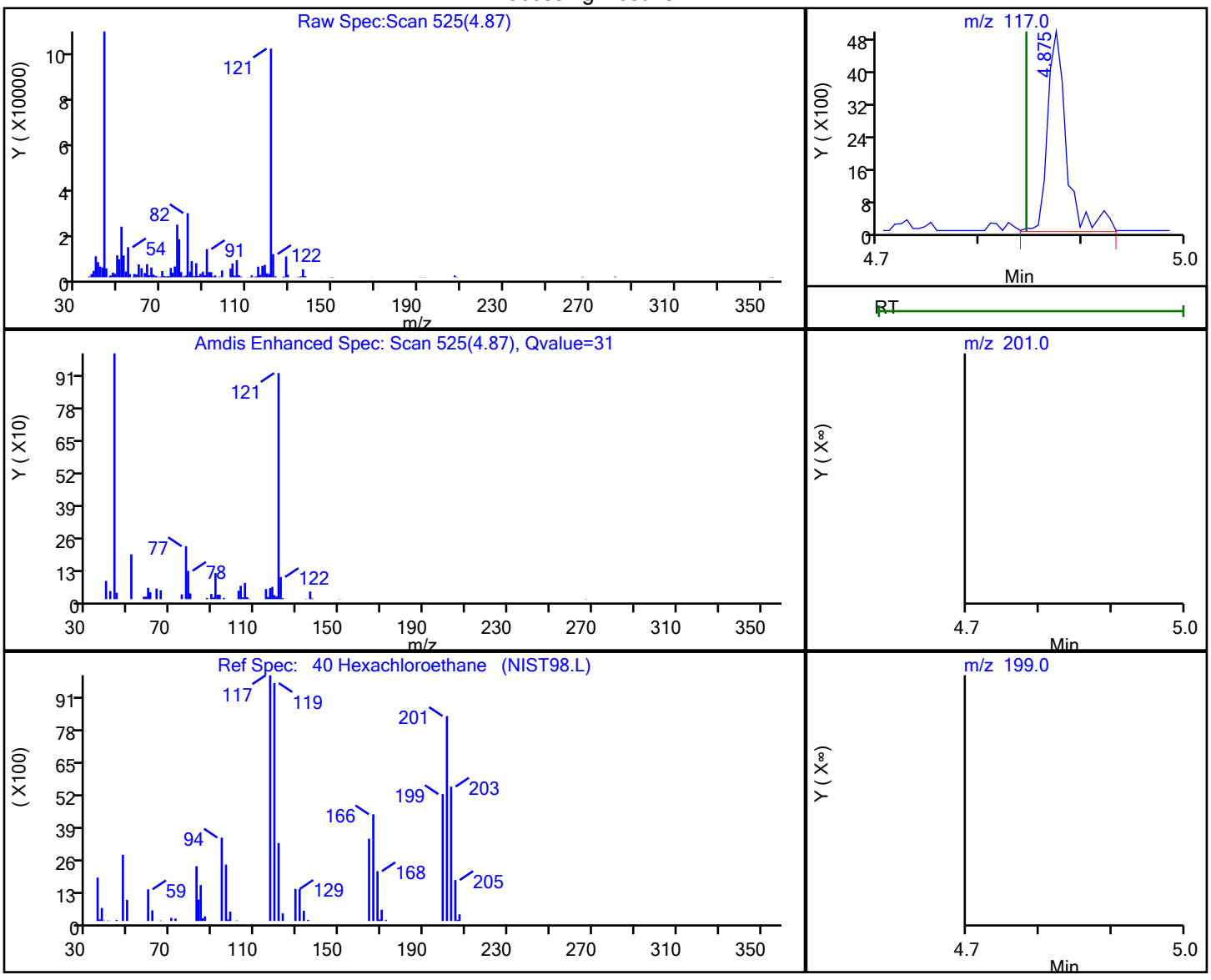
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0577.D				
Injection Date:	06-Jun-2025 06:52:30	Instrument ID:	HP18831		
Lims ID:	410-225004-G-1-A	Lab Sample ID:	410-225004-1		
Client ID:	MW-2D				
Operator ID:	IR93211	ALS Bottle#:	26	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Hexachloroethane, CAS: 67-72-1

Processing Results



RT	Mass	Response	Amount
4.87	117.00	6360	0.371771
4.85	201.00	0	
4.85	199.00	0	

Reviewer: W6ZA, 06-Jun-2025 13:46:01 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

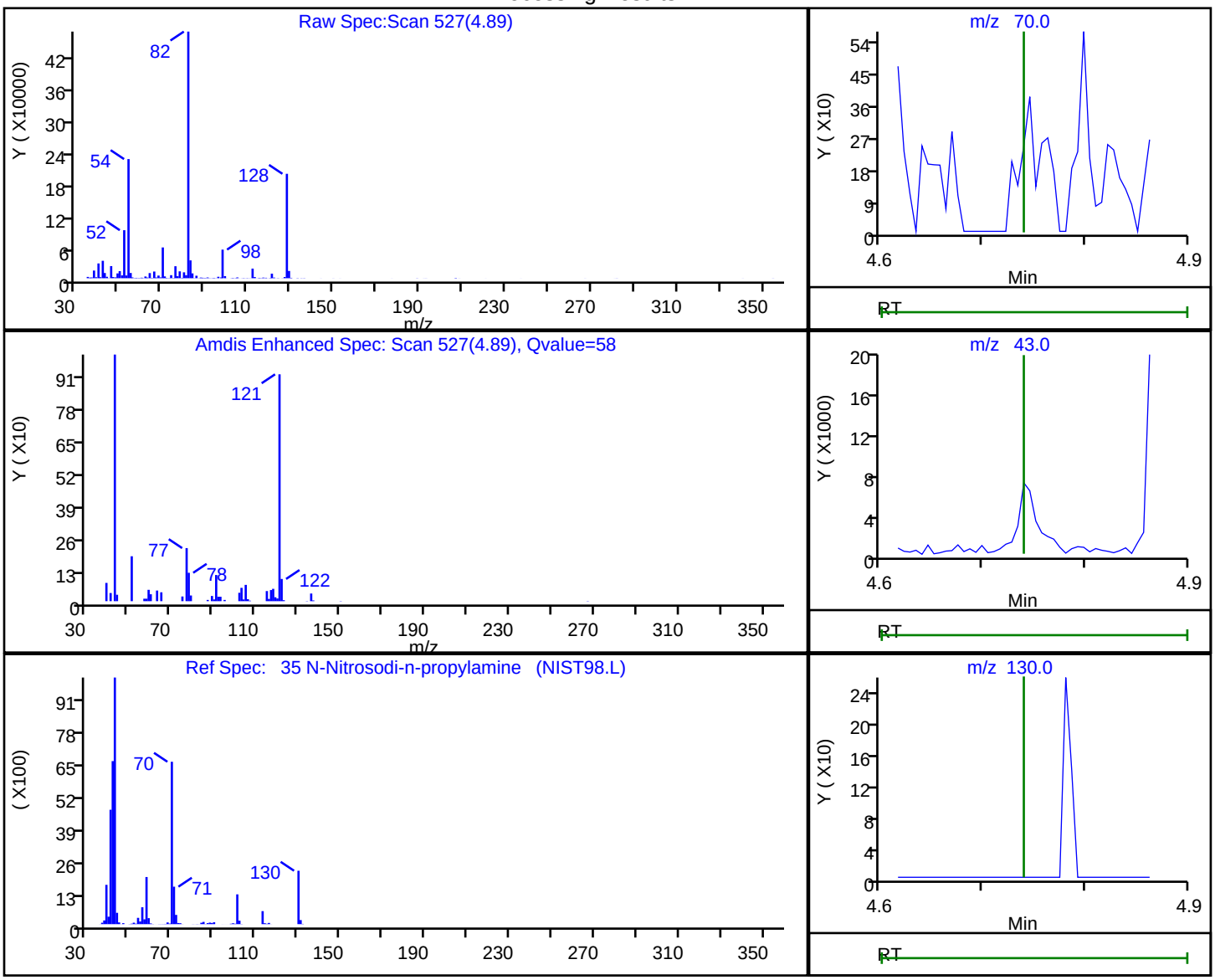
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0577.D				
Injection Date:	06-Jun-2025 06:52:30	Instrument ID:	HP18831		
Lims ID:	410-225004-G-1-A	Lab Sample ID:	410-225004-1		
Client ID:	MW-2D				
Operator ID:	IR93211	ALS Bottle#:	26	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

35 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Processing Results



RT	Mass	Response	Amount
4.89	70.00	49866	1.996050
4.87	43.00	97684	
4.88	130.00	1044	

Reviewer: W6ZA, 06-Jun-2025 13:45:56 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

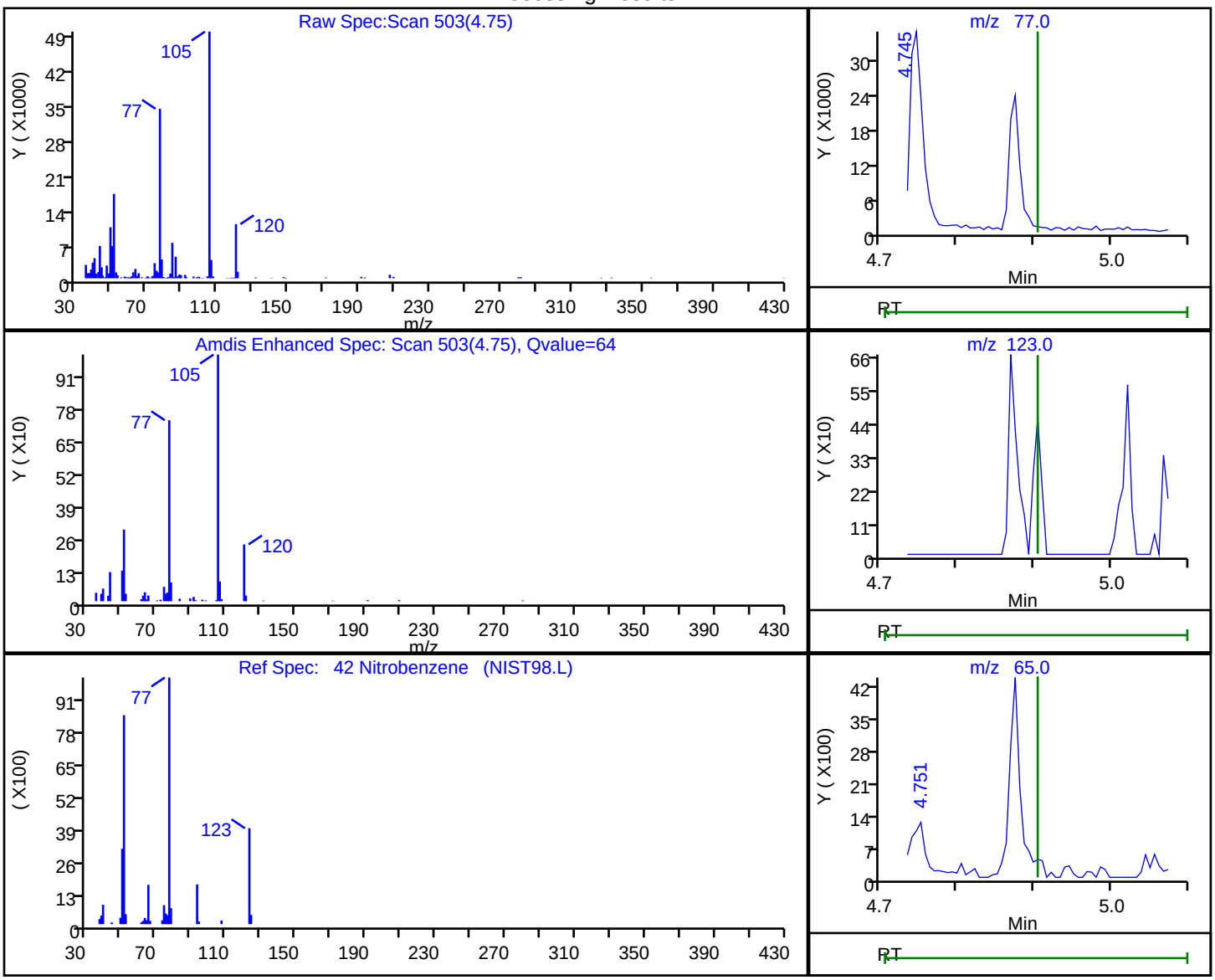
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0577.D				
Injection Date:	06-Jun-2025 06:52:30	Instrument ID:	HP18831		
Lims ID:	410-225004-G-1-A	Lab Sample ID:	410-225004-1		
Client ID:	MW-2D				
Operator ID:	IR93211	ALS Bottle#:	26	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

42 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.75	77.00	42499	1.162724
4.90	123.00	0	
4.75	65.00	1682	

Reviewer: W6ZA, 06-Jun-2025 13:46:13 -04:00:00 (UTC)

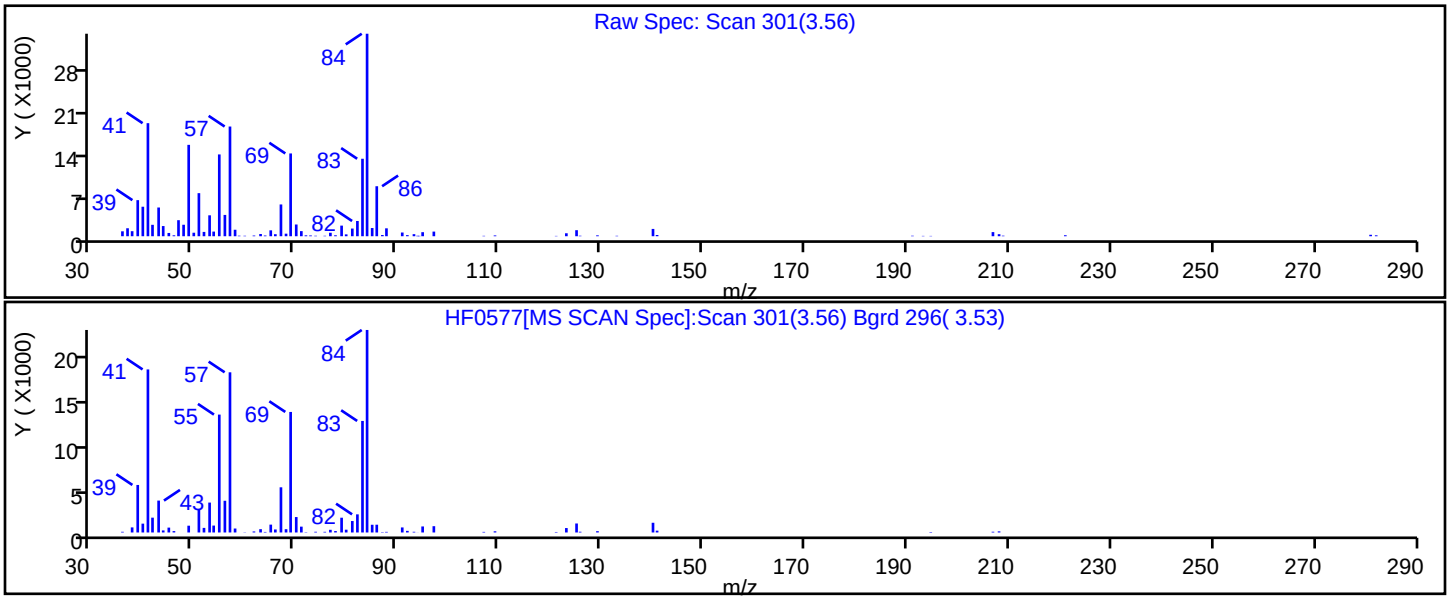
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 06-Jun-2025 13:49:53 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0577.D				
Injection Date:	06-Jun-2025 06:52:30	Instrument ID:	HP18831		
Lims ID:	410-225004-G-1-A	Lab Sample ID:	410-225004-1		
Client ID:	MW-2D				
Operator ID:	IR93211	ALS Bottle#:	26	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

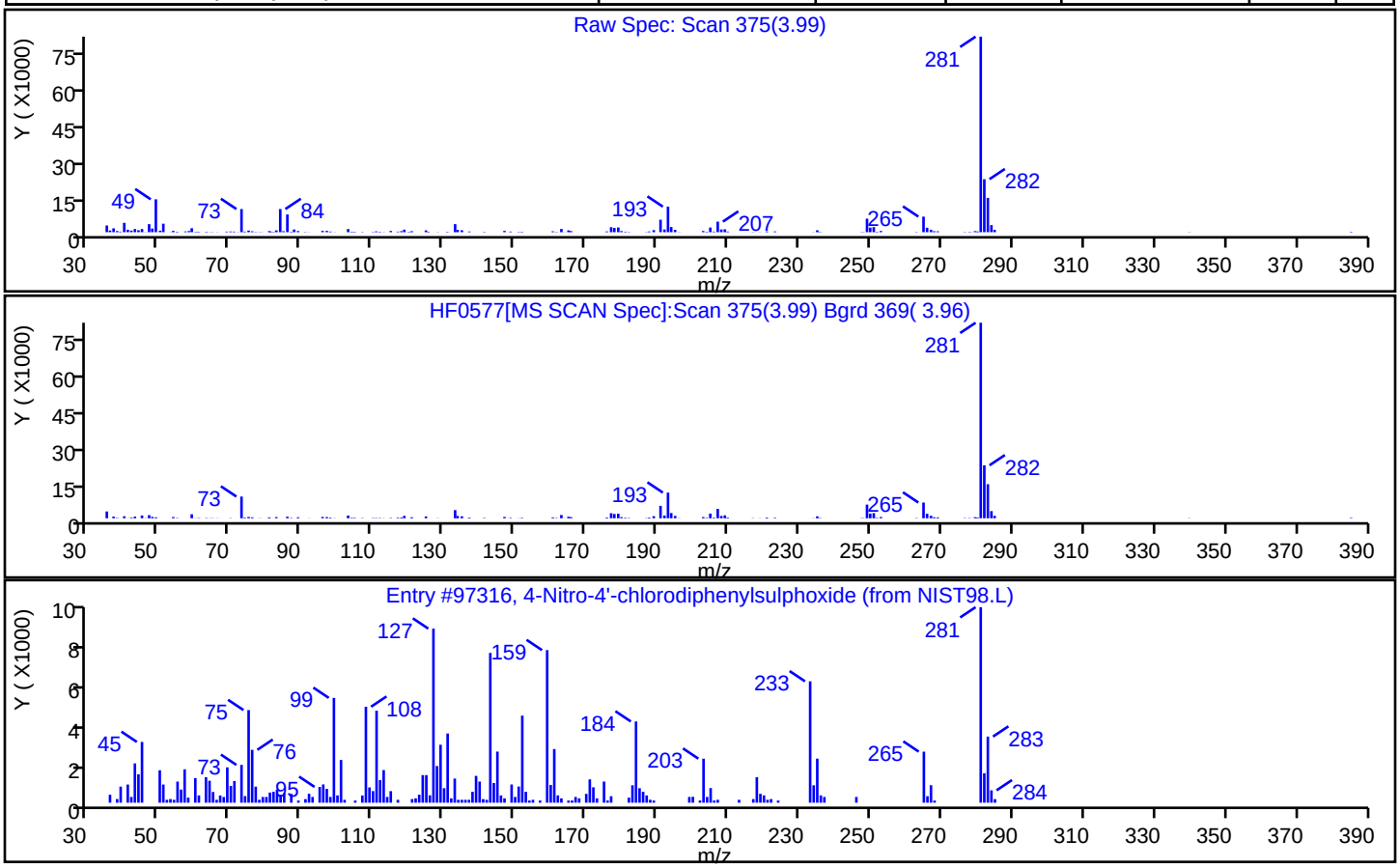


Report Date: 06-Jun-2025 13:49:53 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0577.D				
Injection Date:	06-Jun-2025 06:52:30	Instrument ID:	HP18831		
Lims ID:	410-225004-G-1-A	Lab Sample ID:	410-225004-1		
Client ID:	MW-2D				
Operator ID:	IR93211	ALS Bottle#:	26	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
4-Nitro-4'-chlorodiphenylsulphoxide	24535-53-3	NIST98.L	97316	C12H8ClNO3S	281	92



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Matrix: Water
Lab File ID: JF0642.D

Analysis Method: 8270E
Date Collected: 05/29/2025 11:05

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 239(mL)
Date Analyzed: 06/06/2025 16:17

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		2.1	0.52
108-60-1	bis(1-chloroispropyl)ether	ND	cn	2.1	0.52
95-95-4	2,4,5-Trichlorophenol	ND		2.1	0.52
88-06-2	2,4,6-Trichlorophenol	ND		2.1	0.52
120-83-2	2,4-Dichlorophenol	ND		2.1	0.52
105-67-9	2,4-Dimethylphenol	ND	F1	10	3.1
51-28-5	2,4-Dinitrophenol	ND		31	15
121-14-2	2,4-Dinitrotoluene	ND		5.2	1.0
606-20-2	2,6-Dinitrotoluene	ND		2.1	0.52
91-58-7	2-Chloronaphthalene	ND		1.0	0.42
95-57-8	2-Chlorophenol	ND		2.1	0.52
91-57-6	2-Methylnaphthalene	ND		0.52	0.10
95-48-7	2-Methylphenol	ND		2.1	0.52
88-74-4	2-Nitroaniline	ND		5.2	1.0
88-75-5	2-Nitrophenol	ND		5.2	1.0
91-94-1	3,3'-Dichlorobenzidine	ND	cn	10	4.2
99-09-2	3-Nitroaniline	ND		5.2	2.1
534-52-1	4,6-Dinitro-2-methylphenol	ND		22	8.4
101-55-3	4-Bromophenyl-phenylether	ND		2.1	0.52
59-50-7	4-Chloro-3-methylphenol	ND		5.2	1.0
106-47-8	4-Chloroaniline	ND	F2	10	4.2
7005-72-3	4-Chlorophenyl-phenyl ether	ND		2.1	0.52
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND		2.1	0.52
100-01-6	4-Nitroaniline	ND		3.1	0.94
100-02-7	4-Nitrophenol	ND		31	10
83-32-9	Acenaphthene	ND		0.52	0.10
208-96-8	Acenaphthylene	ND		0.52	0.10
98-86-2	Acetophenone	ND		5.2	1.0
120-12-7	Anthracene	ND		0.52	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Matrix: Water
Lab File ID: JF0642.D

Analysis Method: 8270E
Date Collected: 05/29/2025 11:05

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 239(mL)
Date Analyzed: 06/06/2025 16:17

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND		5.2	1.0
100-52-7	Benzaldehyde	ND		5.2	1.0
56-55-3	Benzo[a]anthracene	ND		0.52	0.10
50-32-8	Benzo[a]pyrene	ND		0.52	0.12
205-99-2	Benzo[b]fluoranthene	ND		0.52	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.52	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.52	0.10
85-68-7	Butylbenzylphthalate	ND		5.2	2.1
105-60-2	Caprolactam	ND		7.3	3.1
86-74-8	Carbazole	ND		2.1	0.52
218-01-9	Chrysene	ND		0.52	0.10
84-74-2	Di-n-butyl phthalate	ND		5.2	2.1
117-84-0	Di-n-octyl phthalate	ND	F2	12	5.2
53-70-3	Dibenz(a,h)anthracene	ND		0.52	0.10
132-64-9	Dibenzofuran	ND		2.1	0.52
84-66-2	Diethyl phthalate	ND		5.2	2.1
131-11-3	Dimethyl phthalate	ND		5.2	2.1
206-44-0	Fluoranthene	ND		0.52	0.10
86-73-7	Fluorene	ND		0.52	0.13
118-74-1	Hexachlorobenzene	ND		0.52	0.12
87-68-3	Hexachlorobutadiene	ND		2.1	0.52
77-47-4	Hexachlorocyclopentadiene	ND		12	5.2
67-72-1	Hexachloroethane	ND		5.2	0.52
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.52	0.12
78-59-1	Isophorone	ND		2.1	0.52
621-64-7	N-Nitrosodi-n-propylamine	ND		2.1	0.52
86-30-6	N-Nitrosodiphenylamine	ND		2.1	0.52
91-20-3	Naphthalene	ND		0.52	0.27
98-95-3	Nitrobenzene	ND		2.1	0.52
87-86-5	Pentachlorophenol	ND		5.2	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Matrix: Water
Lab File ID: JF0642.D

Analysis Method: 8270E
Date Collected: 05/29/2025 11:05

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 239(mL)
Date Analyzed: 06/06/2025 16:17

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND		0.52	0.12
108-95-2	Phenol	ND		2.1	0.52
129-00-0	Pyrene	ND		0.52	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND		2.1	0.52
111-44-4	Bis(2-chloroethyl)ether	ND		2.1	0.52
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.2	2.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	50		13-134
321-60-8	2-Fluorobiphenyl (Surr)	72		45-120
367-12-4	2-Fluorophenol (Surr)	30		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	61		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	61		26-123
4165-62-2	Phenol-d5 (Surr)	18		10-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Matrix: Water
Lab File ID: JF0642.D

Analysis Method: 8270E
Date Collected: 05/29/2025 11:05

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 239(mL)
Date Analyzed: 06/06/2025 16:17

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

Number TICs Found: 2
TIC Result Total: 14.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	2.38	4.6	T J	
	Unknown	3.35	9.5	T J B	

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0642.D
Lims ID: 410-225004-G-2-C
Client ID: MW-3D
Sample Type: Client
Inject. Date: 06-Jun-2025 16:17:30 ALS Bottle#: 21 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-2-C
Misc. Info.: 410-0149501-026
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:37:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 9 2-Fluorophenol	112	2.952	2.953	-0.005	95	436392	7.38	
13 Benzaldehyde	77		3.792				ND	7
$ 15 Phenol-d5	99	3.874	3.869	0.000	95	402207	4.57	
16 Phenol	94		3.886				ND	7
18 Bis(2-chloroethyl)ether	93		3.962				ND	7
19 2-Chlorophenol	128		4.014				ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.207	4.213	-0.006	97	199032	5.00	
29 2-Methylphenol	108		4.476				ND	
30 2,2'-oxybis[1-chloropropane]	45		4.481				ND	7
32 Acetophenone	105		4.604				ND	7
33 N-Nitrosodi-n-propylamine	70		4.610				ND	U
34 4-Methylphenol	108		4.627				ND	
37 Hexachloroethane	117		4.698				ND	7
$ 39 Nitrobenzene-d5	82	4.744	4.745	-0.006	89	1347328	15.4	
40 Nitrobenzene	77		4.768				ND	U
42 Isophorone	82		5.001				ND	7
43 2-Nitrophenol	139		5.077				ND	7
44 2,4-Dimethylphenol	107		5.135				ND	7
47 Bis(2-chloroethoxy)methane	93		5.223				ND	
49 2,4-Dichlorophenol	162		5.316				ND	7
* 52 Naphthalene-d8	136	5.433	5.439	-0.006	99	702072	5.00	
53 Naphthalene	128		5.457				ND	7
56 4-Chloroaniline	127		5.527				ND	7
59 Hexachlorobutadiene	225		5.579				ND	
62 Caprolactam	113		5.854				ND	
65 4-Chloro-3-methylphenol	107		6.011				ND	7
67 2-Methylnaphthalene	142		6.128				ND	7
71 Hexachlorocyclopentadiene	237		6.274				ND	7
79 2,4,6-Trichlorophenol	196		6.408				ND	
80 2,4,5-Trichlorophenol	196		6.449				ND	
$ 81 2-Fluorobiphenyl (Surr)	172	6.478	6.479	-0.006	99	1878032	17.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
83 1,1'-Biphenyl	154		6.578				ND	7
84 2-Chloronaphthalene	162		6.589				ND	7
87 2-Nitroaniline	138		6.700				ND	7
90 Dimethyl phthalate	163		6.881				ND	7
92 2,6-Dinitrotoluene	165		6.940				ND	
93 Acenaphthylene	152		6.986				ND	7
95 3-Nitroaniline	138		7.097				ND	
* 96 Acenaphthene-d10	164	7.115	7.121	-0.006	95	371601	5.00	
97 Acenaphthene	153		7.150				ND	MU
98 2,4-Dinitrophenol	184		7.197				ND	7
100 4-Nitrophenol	109		7.290				ND	7
101 Dibenzofuran	168		7.313				ND	7
102 2,4-Dinitrotoluene	165		7.319				ND	7
107 Diethyl phthalate	149		7.559				ND	7
108 Fluorene	166		7.640				ND	7
110 4-Chlorophenyl phenyl ether	204		7.652				ND	
112 4-Nitroaniline	138		7.681				ND	
113 4,6-Dinitro-2-methylphenol	198		7.705				ND	7
114 N-Nitrosodiphenylamine	169		7.769				ND	U
$ 116 2,4,6-Tribromophenol	330	7.868	7.868	-0.006	91	265190	12.4	
122 4-Bromophenyl phenyl ether	248		8.113				ND	7
124 Hexachlorobenzene	284		8.160				ND	7
126 Atrazine	200		8.289				ND	
127 Pentachlorophenol	266		8.359				ND	7
* 131 Phenanthrene-d10	188	8.522	8.534	-0.012	98	753889	5.00	
132 Phenanthrene	178		8.551				ND	7
135 Anthracene	178		8.604				ND	7
136 Carbazole	167		8.767				ND	7
138 Di-n-butyl phthalate	149		9.118				ND	7
144 Fluoranthene	202		9.684				ND	7
* 146 Pyrene-d10 (IS)	212	9.871	9.883	-0.012	98	734498	5.00	
147 Pyrene	202		9.900				ND	7
$ 148 p-Terphenyl-d14	244	10.058	10.058	-0.006	98	1784015	15.2	
153 Butyl benzyl phthalate	149		10.572				ND	7
157 3,3'-Dichlorobenzidine	252		11.138				ND	7
156 Benzo[a]anthracene	228		11.138				ND	7
159 Chrysene	228		11.185				ND	7
160 Bis(2-ethylhexyl) phthalate	149		11.237				ND	7
162 Di-n-octyl phthalate	149		12.066				ND	7
164 Benzo[b]fluoranthene	252		12.498				ND	7
165 Benzo[k]fluoranthene	252		12.534				ND	7
166 Benzo[a]pyrene	252		12.936				ND	U
* 167 Perylene-d12	264	13.007	13.012	-0.005	98	663274	5.00	
171 Indeno[1,2,3-cd]pyrene	276		14.525				ND	7
172 Dibenz(a,h)anthracene	278		14.565				ND	7
173 Benzo[g,h,i]perylene	276		14.869				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0642.D				
Lims ID:	410-225004-G-2-C				
Client ID:	MW-3D				
Sample Type:	Client				
Inject. Date:	06-Jun-2025 16:17:30	ALS Bottle#:	21	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-G-2-C				
Misc. Info.:	410-0149501-026				
Operator ID:	CJS101602	Instrument ID:	HP23264		
Method:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	06-Jun-2025 19:44:11	Calib Date:	05-Jun-2025 10:35:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	20.00000		
MS Library:	\\chromfs\Lancaster\Database\NIST98.L				
Min. Match:	85				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1703				
First Level Reviewer: N5QU		Date:	06-Jun-2025 19:37:22		

Tentative Identified Compound Results

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
	Unknown							
2.379	280149	1.09	22					
	Unknown							
3.349	581327	2.27	22					

Quantitation Compounds

Compound	RT	Area	Amount ug/ml
* 22 1,4-Dichlorobenzene-d4	4.207	1281706	5.00

QC Flag Legend

Processing Flags

Reagents:

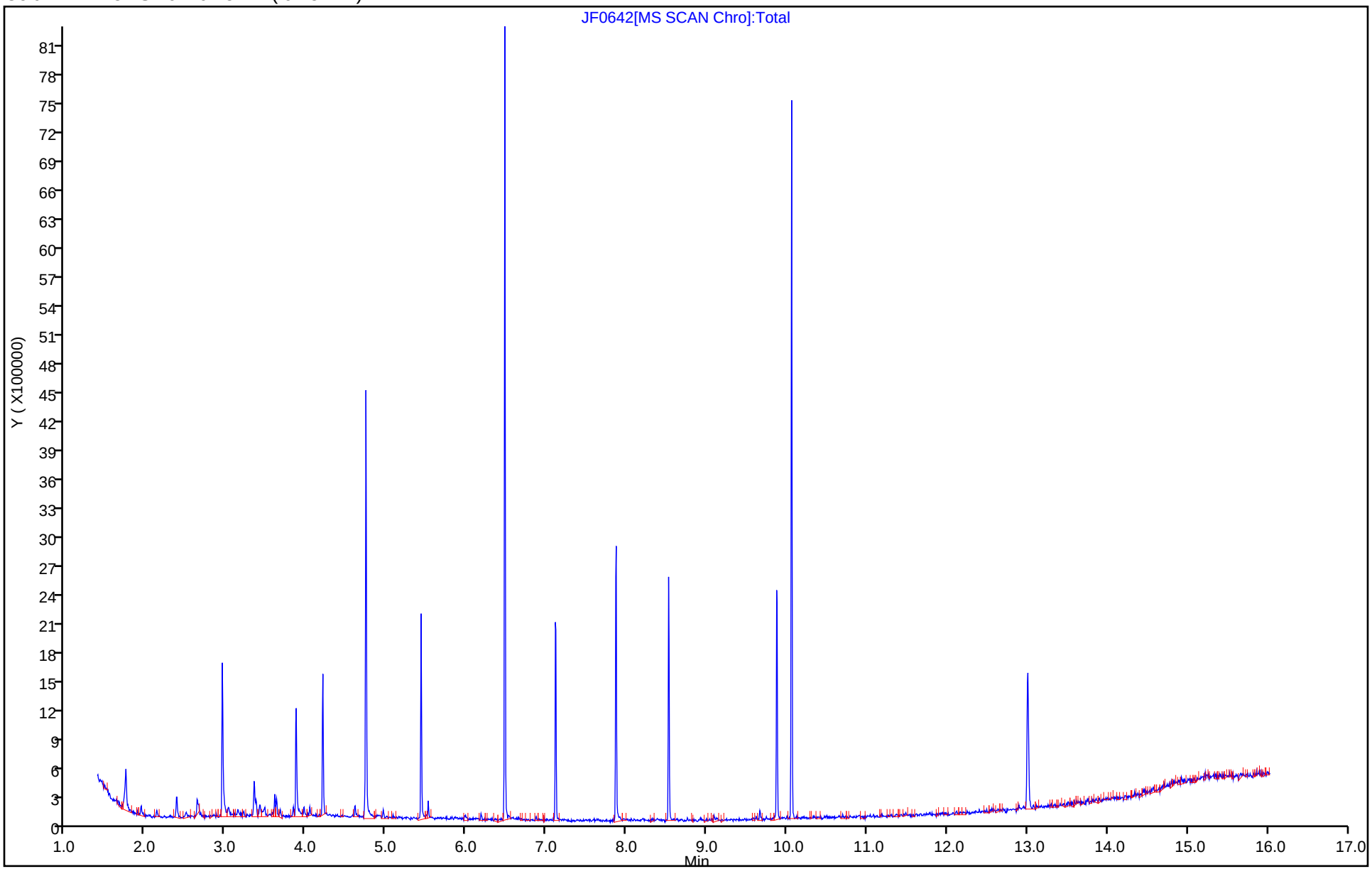
MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Jun-2025 19:44:19 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0642.D				
Injection Date:	06-Jun-2025 16:17:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-225004-G-2-C	Lab Sample ID:	410-225004-2	Worklist Smp#:	26
Client ID:	MW-3D				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0642.D				
Lims ID:	410-225004-G-2-C				
Client ID:	MW-3D				
Sample Type:	Client				
Inject. Date:	06-Jun-2025 16:17:30	ALS Bottle#:	21	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-G-2-C				
Misc. Info.:	410-0149501-026				
Operator ID:	CJS101602	Instrument ID:	HP23264		
Method:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	06-Jun-2025 19:44:11	Calib Date:	05-Jun-2025 10:35:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1703				

First Level Reviewer: N5QU Date: 06-Jun-2025 19:37:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	7.38	29.54
$ 15 Phenol-d5	25.0	4.57	18.26
$ 39 Nitrobenzene-d5	25.0	15.4	61.47
$ 81 2-Fluorobiphenyl (Surr)	25.0	17.9	71.73
$ 116 2,4,6-Tribromophenol	25.0	12.4	49.53
$ 148 p-Terphenyl-d14	25.0	15.2	60.96

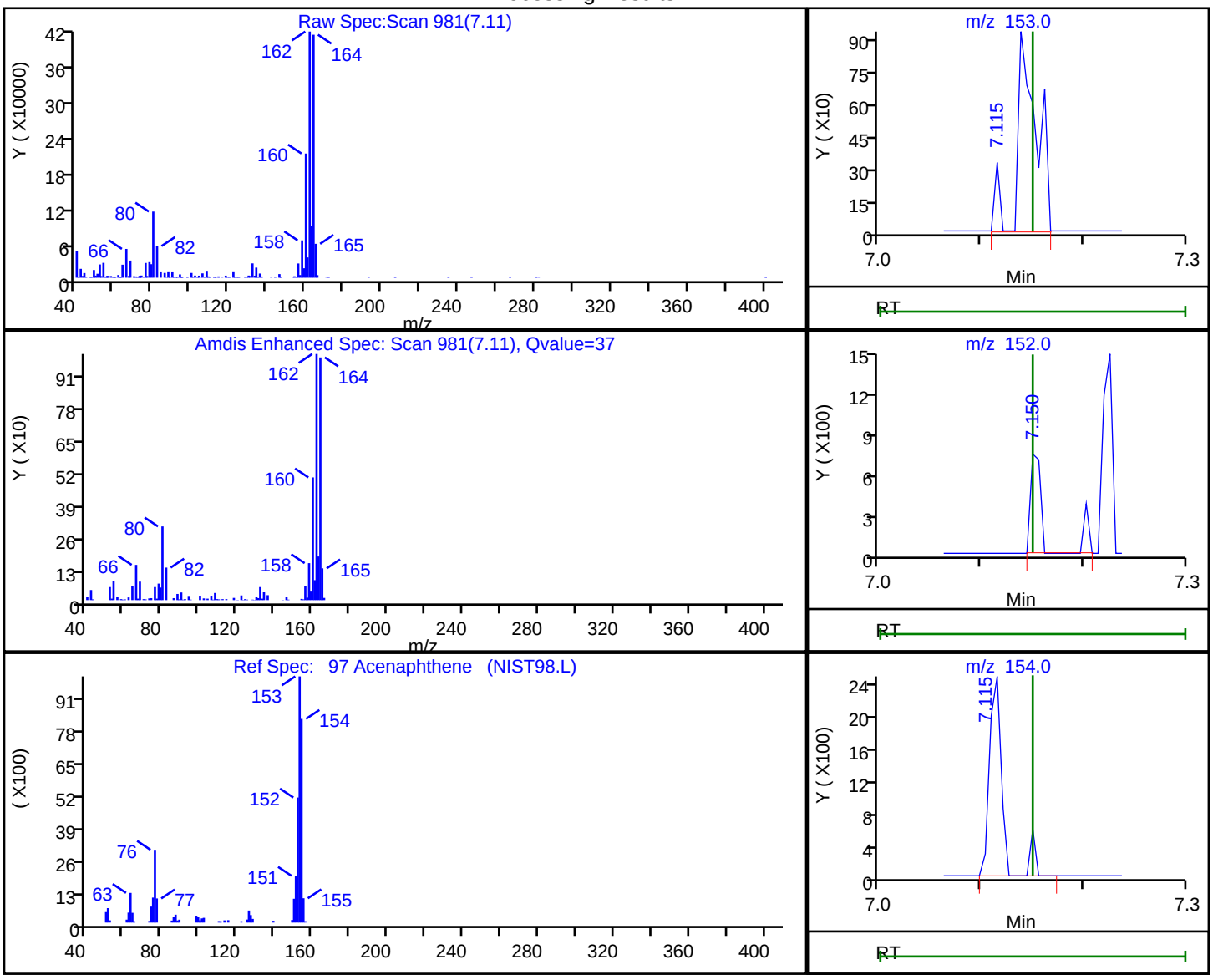
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0642.D		
Injection Date:	06-Jun-2025 16:17:30	Instrument ID:	HP23264
Lims ID:	410-225004-G-2-C	Lab Sample ID:	410-225004-2
Client ID:	MW-3D		
Operator ID:	CJS101602	ALS Bottle#:	21 Worklist Smp#: 26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

97 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.11	153.00	1231	0.012880
7.15	152.00	620	
7.11	154.00	2150	

Reviewer: N5QU, 06-Jun-2025 19:36:37 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

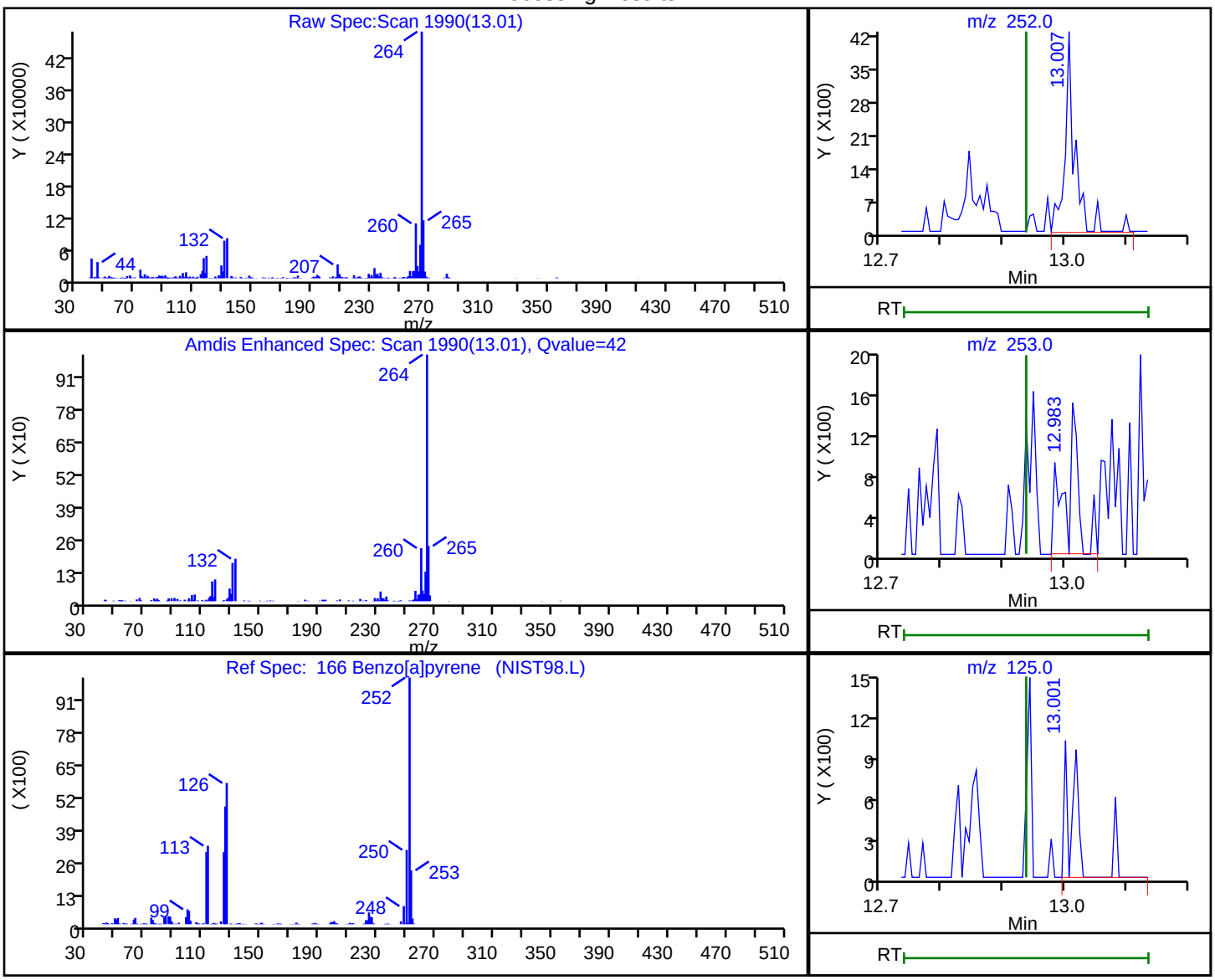
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0642.D		
Injection Date:	06-Jun-2025 16:17:30	Instrument ID:	HP23264
Lims ID:	410-225004-G-2-C	Lab Sample ID:	410-225004-2
Client ID:	MW-3D		
Operator ID:	CJS101602	ALS Bottle#:	21 Worklist Smp#: 26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

166 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
13.01	252.00	4642	0.028965
12.98	253.00	2176	
13.00	125.00	1194	

Reviewer: N5QU, 06-Jun-2025 19:36:48 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

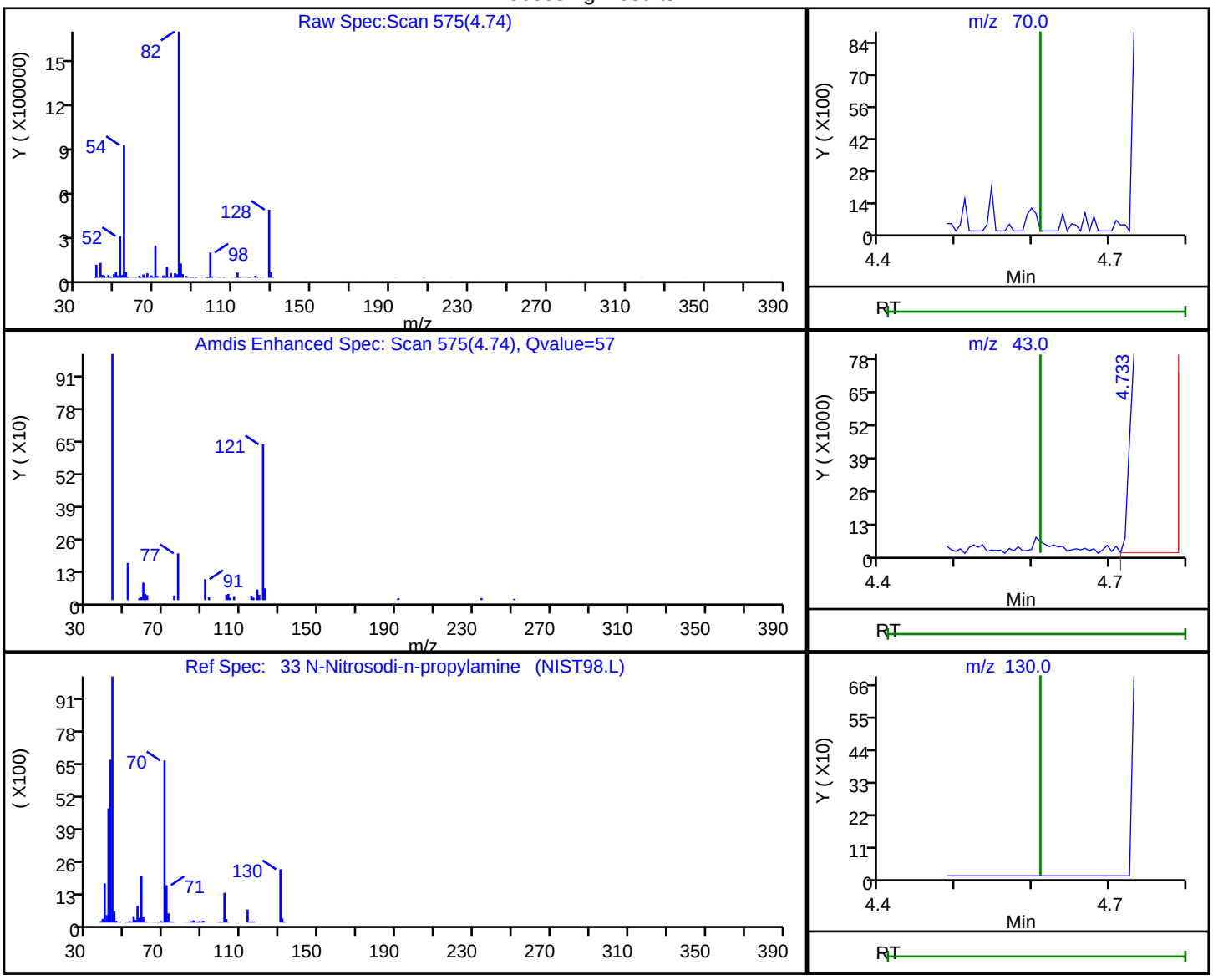
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0642.D				
Injection Date:	06-Jun-2025 16:17:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-2-C	Lab Sample ID:	410-225004-2		
Client ID:	MW-3D				
Operator ID:	CJS101602	ALS Bottle#:	21	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

33 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Processing Results



RT	Mass	Response	Amount
4.74	70.00	178880	2.835752
4.73	43.00	80216	
4.74	130.00	2738	

Reviewer: N5QU, 06-Jun-2025 19:36:08 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

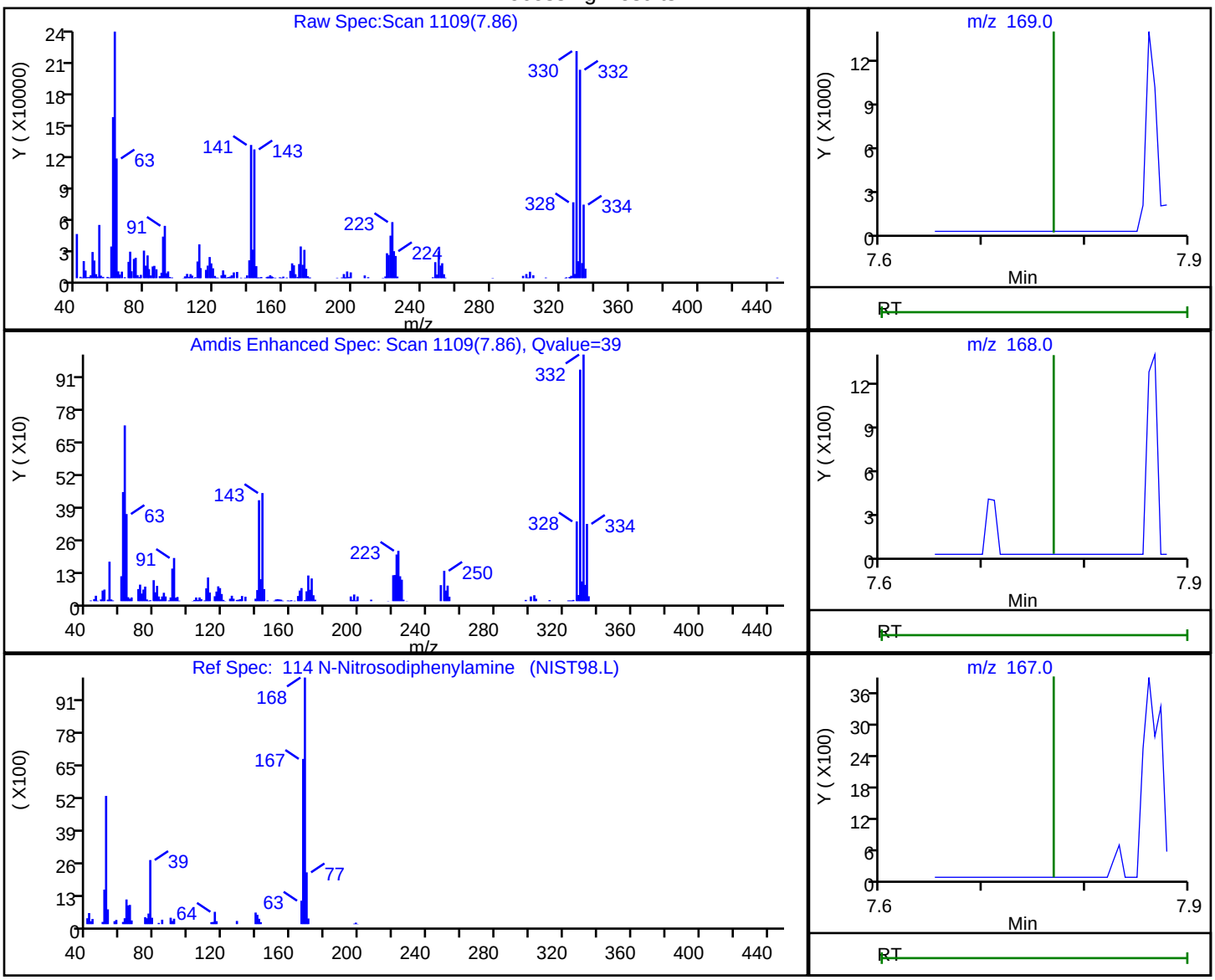
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0642.D				
Injection Date:	06-Jun-2025 16:17:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-2-C	Lab Sample ID:	410-225004-2		
Client ID:	MW-3D				
Operator ID:	CJS101602	ALS Bottle#:	21	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

114 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.86	169.00	11230	0.127048
7.87	168.00	1241	
7.86	167.00	4466	

Reviewer: N5QU, 06-Jun-2025 19:36:43 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

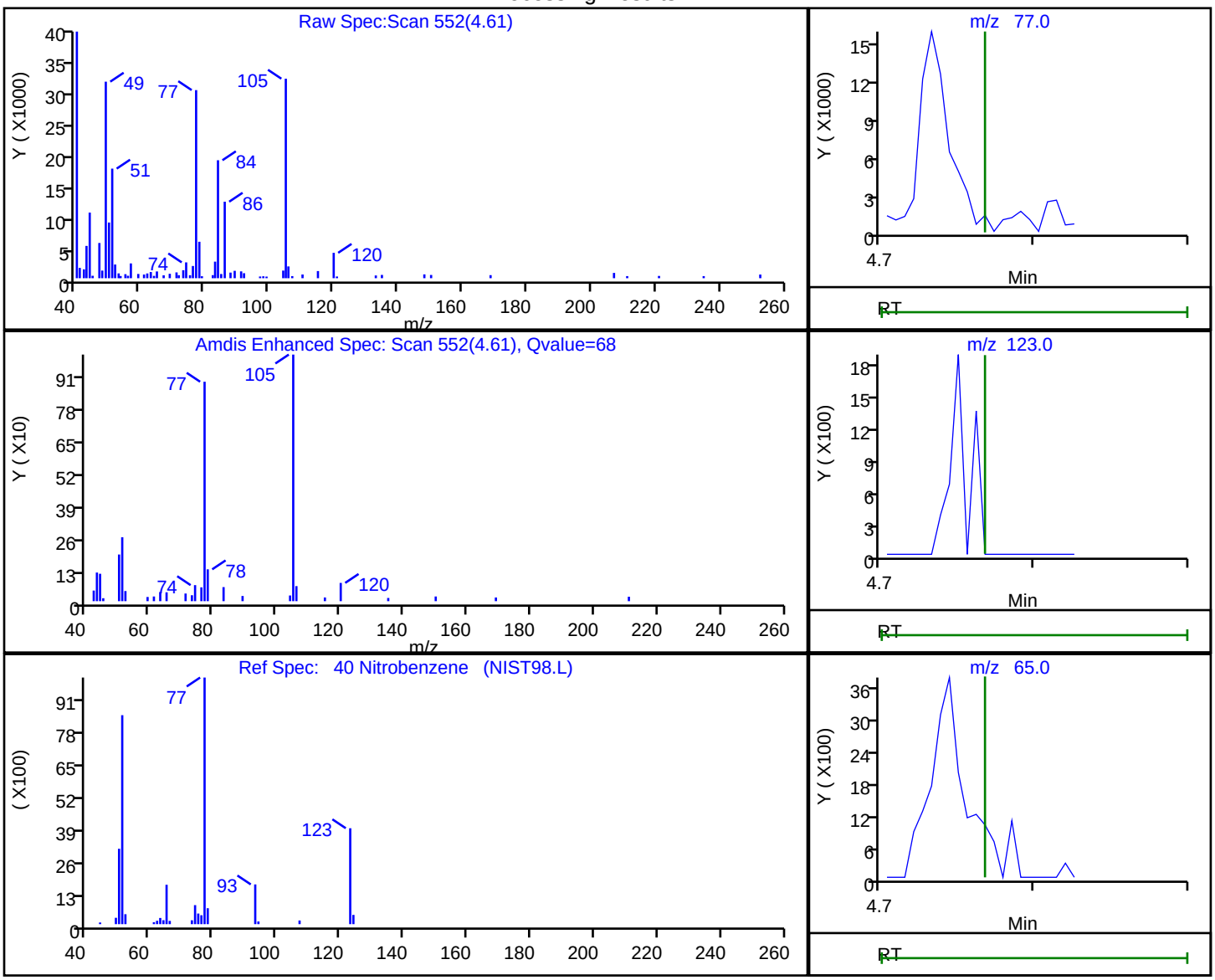
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0642.D				
Injection Date:	06-Jun-2025 16:17:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-2-C	Lab Sample ID:	410-225004-2		
Client ID:	MW-3D				
Operator ID:	CJS101602	ALS Bottle#:	21	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.61	77.00	36591	0.425692
4.77	123.00	0	
4.77	65.00	0	

Reviewer: N5QU, 06-Jun-2025 19:36:16 -04:00:00 (UTC)

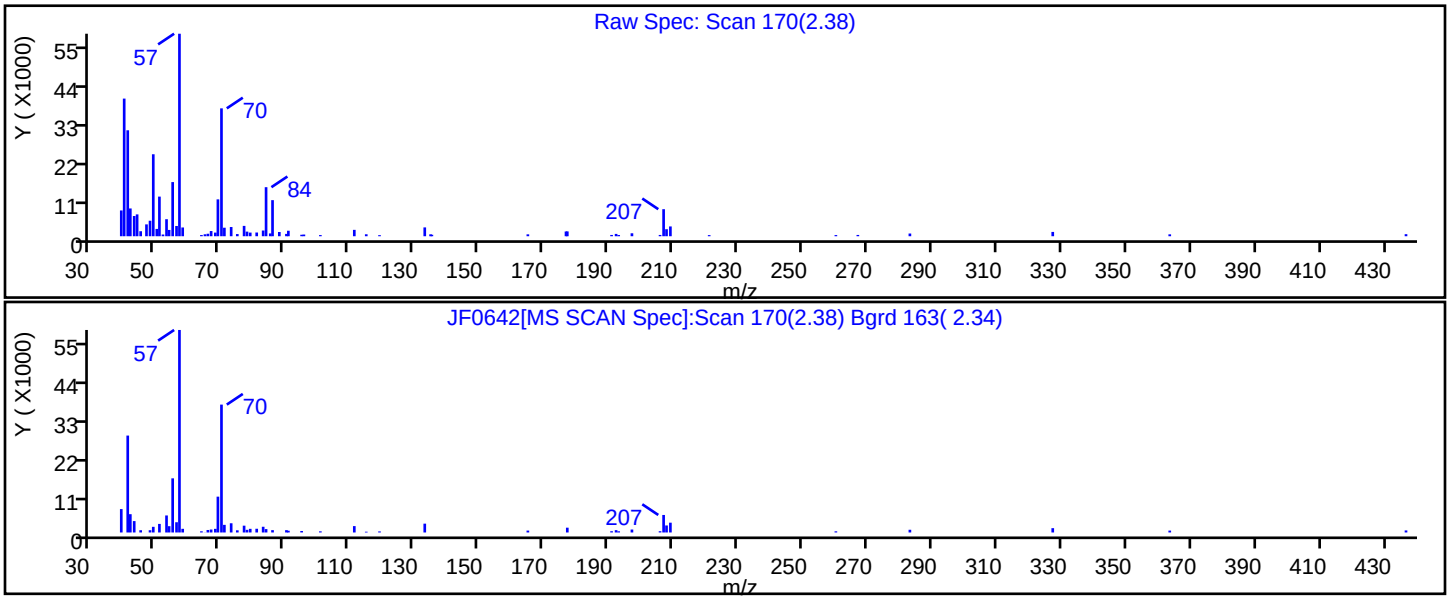
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 06-Jun-2025 19:44:19 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0642.D				
Injection Date:	06-Jun-2025 16:17:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-2-C	Lab Sample ID:	410-225004-2		
Client ID:	MW-3D				
Operator ID:	CJS101602	ALS Bottle#:	21	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

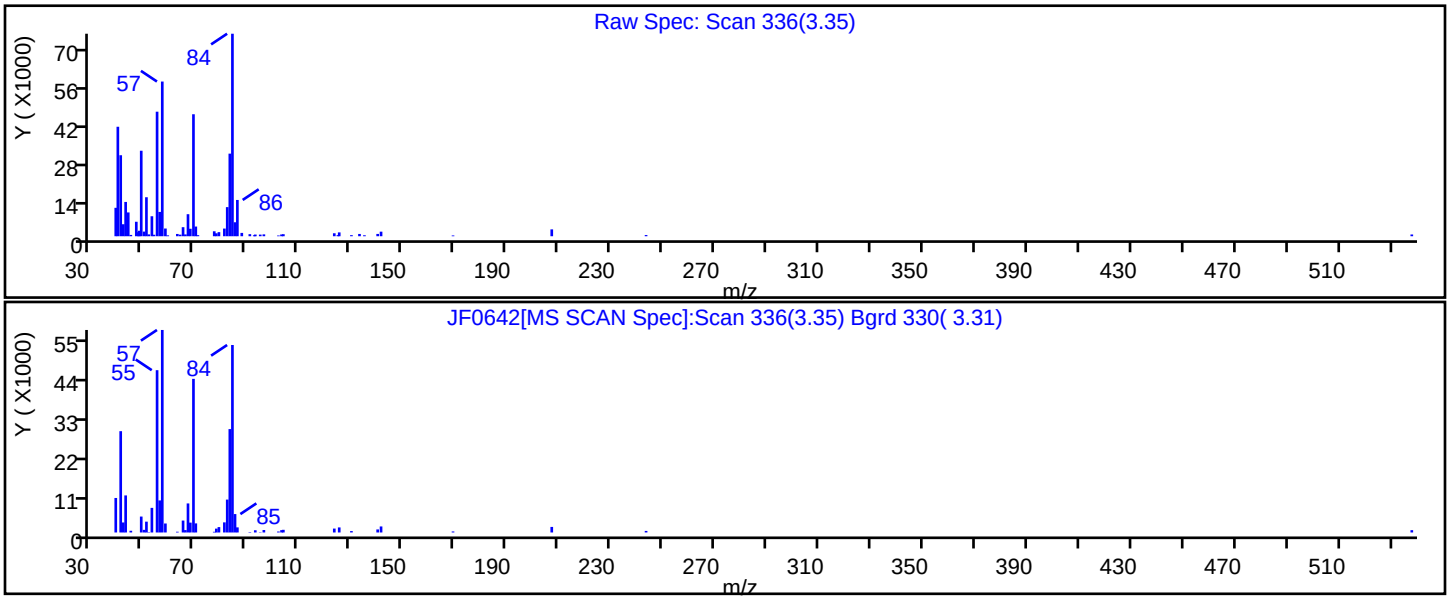


Report Date: 06-Jun-2025 19:44:19 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0642.D				
Injection Date:	06-Jun-2025 16:17:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-2-C	Lab Sample ID:	410-225004-2		
Client ID:	MW-3D				
Operator ID:	CJS101602	ALS Bottle#:	21	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3

Matrix: Water
Lab File ID: JF0645.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:23

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 244.6(mL)
Date Analyzed: 06/06/2025 17:21

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND	cn	2.0	0.51
108-60-1	bis(1-chloroispropyl)ether	ND	cn	2.0	0.51
95-95-4	2,4,5-Trichlorophenol	ND	cn	2.0	0.51
88-06-2	2,4,6-Trichlorophenol	ND	cn	2.0	0.51
120-83-2	2,4-Dichlorophenol	ND	cn	2.0	0.51
105-67-9	2,4-Dimethylphenol	ND	cn	10	3.1
51-28-5	2,4-Dinitrophenol	ND	cn	31	14
121-14-2	2,4-Dinitrotoluene	ND	cn	5.1	1.0
606-20-2	2,6-Dinitrotoluene	ND	cn	2.0	0.51
91-58-7	2-Chloronaphthalene	ND	cn	1.0	0.41
95-57-8	2-Chlorophenol	ND	cn	2.0	0.51
91-57-6	2-Methylnaphthalene	ND	cn	0.51	0.10
95-48-7	2-Methylphenol	ND	cn	2.0	0.51
88-74-4	2-Nitroaniline	ND	cn	5.1	1.0
88-75-5	2-Nitrophenol	ND	cn	5.1	1.0
91-94-1	3,3'-Dichlorobenzidine	ND	cn	10	4.1
99-09-2	3-Nitroaniline	ND	cn	5.1	2.0
534-52-1	4,6-Dinitro-2-methylphenol	ND	cn	21	8.2
101-55-3	4-Bromophenyl-phenylether	ND	cn	2.0	0.51
59-50-7	4-Chloro-3-methylphenol	ND	cn	5.1	1.0
106-47-8	4-Chloroaniline	ND	cn	10	4.1
7005-72-3	4-Chlorophenyl-phenyl ether	ND	cn	2.0	0.51
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND	cn	2.0	0.51
100-01-6	4-Nitroaniline	ND	cn	3.1	0.92
100-02-7	4-Nitrophenol	ND	cn	31	10
83-32-9	Acenaphthene	7.6	B cn	0.51	0.10
208-96-8	Acenaphthylene	ND	cn	0.51	0.10
98-86-2	Acetophenone	2.1	J cn	5.1	1.0
120-12-7	Anthracene	0.14	J cn	0.51	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3

Matrix: Water
Lab File ID: JF0645.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:23

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 244.6(mL)
Date Analyzed: 06/06/2025 17:21

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND	cn	5.1	1.0
100-52-7	Benzaldehyde	ND	cn	5.1	1.0
56-55-3	Benzo[a]anthracene	ND	cn	0.51	0.10
50-32-8	Benzo[a]pyrene	ND	cn	0.51	0.11
205-99-2	Benzo[b]fluoranthene	ND	cn	0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND	cn	0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND	cn	0.51	0.10
85-68-7	Butylbenzylphthalate	ND	cn	5.1	2.0
105-60-2	Caprolactam	ND	cn	7.2	3.1
86-74-8	Carbazole	ND	cn	2.0	0.51
218-01-9	Chrysene	ND	cn	0.51	0.10
84-74-2	Di-n-butyl phthalate	ND	cn	5.1	2.0
117-84-0	Di-n-octyl phthalate	ND	cn	11	5.1
53-70-3	Dibenz(a,h)anthracene	ND	cn	0.51	0.10
132-64-9	Dibenzofuran	ND	cn	2.0	0.51
84-66-2	Diethyl phthalate	ND	cn	5.1	2.0
131-11-3	Dimethyl phthalate	ND	cn	5.1	2.0
206-44-0	Fluoranthene	0.43	J cn	0.51	0.10
86-73-7	Fluorene	0.12	J B cn	0.51	0.12
118-74-1	Hexachlorobenzene	ND	cn	0.51	0.11
87-68-3	Hexachlorobutadiene	ND	cn	2.0	0.51
77-47-4	Hexachlorocyclopentadiene	ND	cn	11	5.1
67-72-1	Hexachloroethane	ND	cn	5.1	0.51
193-39-5	Indeno[1,2,3-cd]pyrene	ND	cn	0.51	0.11
78-59-1	Isophorone	ND	cn	2.0	0.51
621-64-7	N-Nitrosodi-n-propylamine	ND	cn	2.0	0.51
86-30-6	N-Nitrosodiphenylamine	ND	cn	2.0	0.51
91-20-3	Naphthalene	ND	cn	0.51	0.27
98-95-3	Nitrobenzene	ND	cn	2.0	0.51

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3

Matrix: Water
Lab File ID: JF0645.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:23

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 244.6(mL)
Date Analyzed: 06/06/2025 17:21

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	ND	cn	5.1	2.7
85-01-8	Phenanthrene	0.58	cn	0.51	0.11
108-95-2	Phenol	ND	cn	2.0	0.51
129-00-0	Pyrene	0.18	J B cn	0.51	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND	cn	2.0	0.51
111-44-4	Bis(2-chloroethyl)ether	ND	cn	2.0	0.51
117-81-7	Bis(2-ethylhexyl) phthalate	ND	cn	5.1	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	2	S1- cn	13-134
321-60-8	2-Fluorobiphenyl (Surr)	83	cn	45-120
367-12-4	2-Fluorophenol (Surr)	0.9	S1- cn	10-120
4165-60-0	Nitrobenzene-d5 (Surr)	71	cn	33-120
1718-51-0	p-Terphenyl-d14 (Surr)	50	cn	26-123
4165-62-2	Phenol-d5 (Surr)	13	cn	10-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3

Matrix: Water
Lab File ID: JF0645.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:23

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 244.6(mL)
Date Analyzed: 06/06/2025 17:21

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

Number TICs Found: 3
TIC Result Total: 17.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	2.39	4.4	T J cn	
	Unknown	2.65	5.1	T J cn	
	Unknown	3.35	8.0	T J B cn	

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D
Lims ID: 410-225004-G-3-A
Client ID: MW-6D
Sample Type: Client
Inject. Date: 06-Jun-2025 17:21:30 ALS Bottle#: 24 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-3-A
Misc. Info.: 410-0149501-028
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:40:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 9 2-Fluorophenol	112	2.963	2.953	0.006	50	18135	0.2164	
13 Benzaldehyde	77		3.792				ND	7
$ 15 Phenol-d5	99	3.874	3.869	0.000	95	400487	3.21	
16 Phenol	94		3.886				ND	7
18 Bis(2-chloroethyl)ether	93		3.962				ND	7
19 2-Chlorophenol	128		4.014				ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.207	4.213	-0.006	97	282214	5.00	
29 2-Methylphenol	108		4.476				ND	
30 2,2'-oxybis[1-chloropropane]	45		4.481				ND	7
32 Acetophenone	105	4.604	4.598	0.000	89	76154	0.5169	
33 N-Nitrosodi-n-propylamine	70		4.610				ND	U
34 4-Methylphenol	108		4.627				ND	7
37 Hexachloroethane	117		4.698				ND	U
$ 39 Nitrobenzene-d5	82	4.744	4.745	-0.006	88	2187834	17.8	
40 Nitrobenzene	77		4.768				ND	
42 Isophorone	82		5.001				ND	7
43 2-Nitrophenol	139		5.077				ND	7
44 2,4-Dimethylphenol	107		5.135				ND	7
47 Bis(2-chloroethoxy)methane	93		5.223				ND	
49 2,4-Dichlorophenol	162		5.316				ND	7
* 52 Naphthalene-d8	136	5.433	5.439	-0.006	99	982033	5.00	
53 Naphthalene	128	5.457	5.451	0.000	1	2931	0.0140	
56 4-Chloroaniline	127		5.527				ND	7
59 Hexachlorobutadiene	225		5.579				ND	
62 Caprolactam	113		5.854				ND	7
65 4-Chloro-3-methylphenol	107		6.011				ND	7
67 2-Methylnaphthalene	142		6.128				ND	7
71 Hexachlorocyclopentadiene	237		6.274				ND	
79 2,4,6-Trichlorophenol	196		6.408				ND	
80 2,4,5-Trichlorophenol	196		6.449				ND	
$ 81 2-Fluorobiphenyl (Surr)	172	6.479	6.479	-0.005	99	3164525	20.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
83 1,1'-Biphenyl	154		6.578				ND	7
84 2-Chloronaphthalene	162		6.589				ND	7
87 2-Nitroaniline	138		6.700				ND	7
90 Dimethyl phthalate	163		6.881				ND	7
92 2,6-Dinitrotoluene	165		6.940				ND	U
93 Acenaphthylene	152		6.986				ND	
95 3-Nitroaniline	138		7.097				ND	7
* 96 Acenaphthene-d10	164	7.115	7.121	-0.006	96	541159	5.00	
97 Acenaphthene	153	7.144	7.138	-0.006	97	260433	1.87	
98 2,4-Dinitrophenol	184		7.197				ND	7
100 4-Nitrophenol	109		7.290				ND	7
101 Dibenzofuran	168		7.313				ND	7
102 2,4-Dinitrotoluene	165		7.319				ND	7
107 Diethyl phthalate	149		7.559				ND	7
108 Fluorene	166	7.635	7.634	-0.005	1	4460	0.0297	
110 4-Chlorophenyl phenyl ether	204		7.652				ND	7
112 4-Nitroaniline	138		7.681				ND	
113 4,6-Dinitro-2-methylphenol	198		7.705				ND	
114 N-Nitrosodiphenylamine	169		7.769				ND	7
$ 116 2,4,6-Tribromophenol	330	7.868	7.868	-0.006	86	16452	0.5276	
122 4-Bromophenyl phenyl ether	248		8.113				ND	7
124 Hexachlorobenzene	284		8.160				ND	
126 Atrazine	200		8.289				ND	7
127 Pentachlorophenol	266		8.359				ND	7
* 131 Phenanthrene-d10	188	8.522	8.534	-0.012	97	1099876	5.00	
132 Phenanthrene	178	8.546	8.540	-0.005	95	34731	0.1424	
135 Anthracene	178	8.604	8.592	0.000	20	8350	0.0341	
136 Carbazole	167		8.767				ND	7
138 Di-n-butyl phthalate	149		9.118				ND	7
144 Fluoranthene	202	9.678	9.671	-0.006	93	28218	0.1060	
* 146 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	99	1037017	5.00	
147 Pyrene	202	9.889	9.894	-0.011	51	11847	0.0451	
$ 148 p-Terphenyl-d14	244	10.058	10.058	-0.006	98	2066273	12.5	
153 Butyl benzyl phthalate	149		10.572				ND	7
157 3,3'-Dichlorobenzidine	252		11.138				ND	7
156 Benzo[a]anthracene	228		11.138				ND	7
159 Chrysene	228		11.185				ND	7
160 Bis(2-ethylhexyl) phthalate	149		11.237				ND	7
162 Di-n-octyl phthalate	149		12.066				ND	7
164 Benzo[b]fluoranthene	252		12.498				ND	7
165 Benzo[k]fluoranthene	252		12.534				ND	7
166 Benzo[a]pyrene	252		12.936				ND	U
* 167 Perylene-d12	264	13.007	13.012	-0.005	98	823525	5.00	
171 Indeno[1,2,3-cd]pyrene	276		14.525				ND	7
172 Dibenz(a,h)anthracene	278		14.565				ND	7
173 Benzo[g,h,i]perylene	276		14.869				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC
Tentatively Identified Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D
Lims ID: 410-225004-G-3-A
Client ID: MW-6D
Sample Type: Client
Inject. Date: 06-Jun-2025 17:21:30 ALS Bottle#: 24 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-3-A
Misc. Info.: 410-0149501-028
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Tic RT Window: 0.000 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 20.00000
MS Library: \\chromfs\Lancaster\Database\NIST98.L
Min. Match: 85

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:40:18

Tentative Identified Compound Results

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
	Unknown							
2.385	396804	1.06	22					
	Unknown							
2.648	463916	1.24	22					
	Unknown							
3.349	730278	1.96	22					

Quantitation Compounds

Compound	RT	Area	Amount ug/ml
* 22 1,4-Dichlorobenzene-d4	4.207	1863685	5.00

QC Flag Legend

Processing Flags

Reagents:

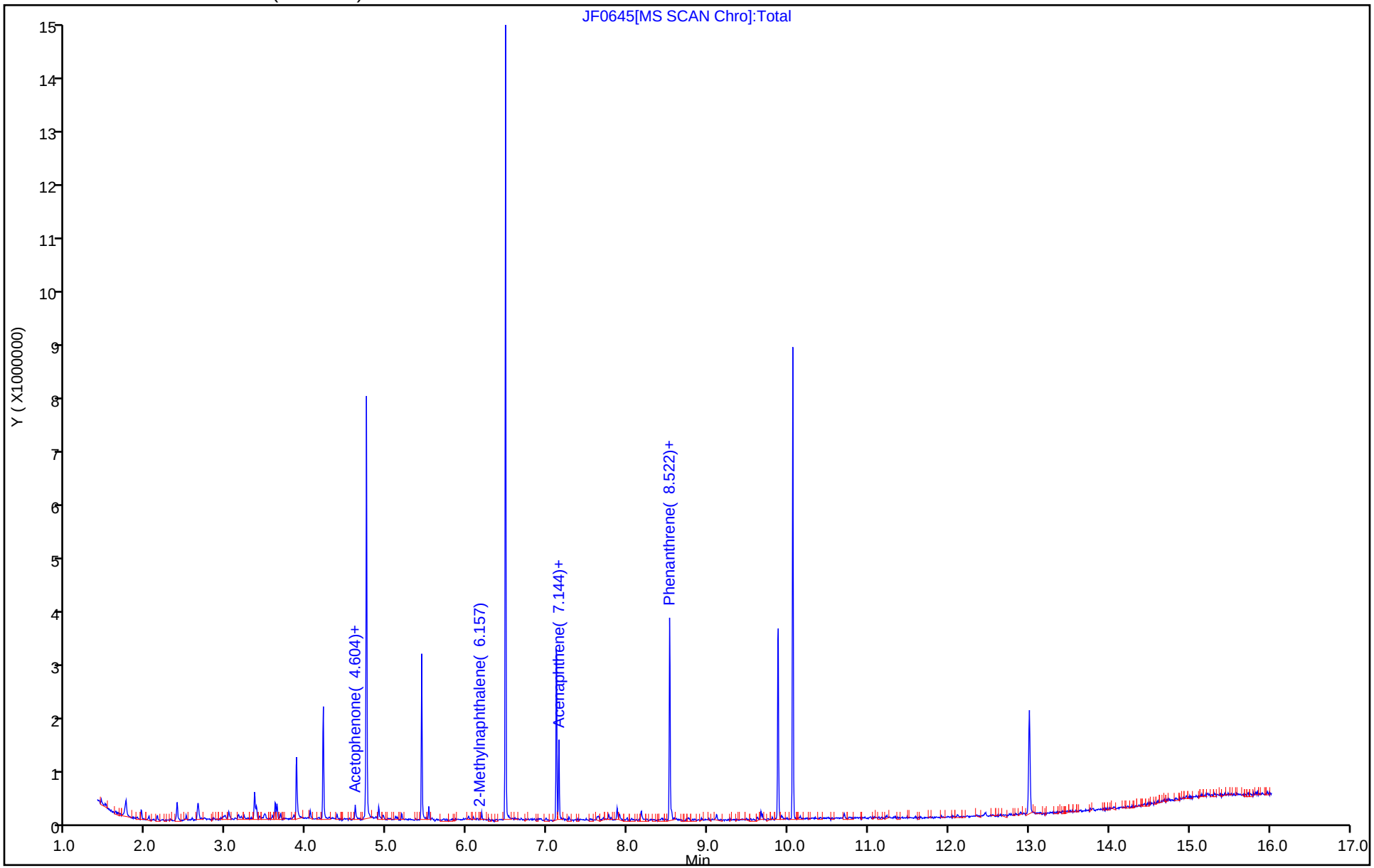
MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Jun-2025 19:44:27 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D				
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3	Worklist Smp#:	29
Client ID:	MW-6D				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D
Lims ID: 410-225004-G-3-A
Client ID: MW-6D
Sample Type: Client
Inject. Date: 06-Jun-2025 17:21:30 ALS Bottle#: 24 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-3-A
Misc. Info.: 410-0149501-028
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:40:18

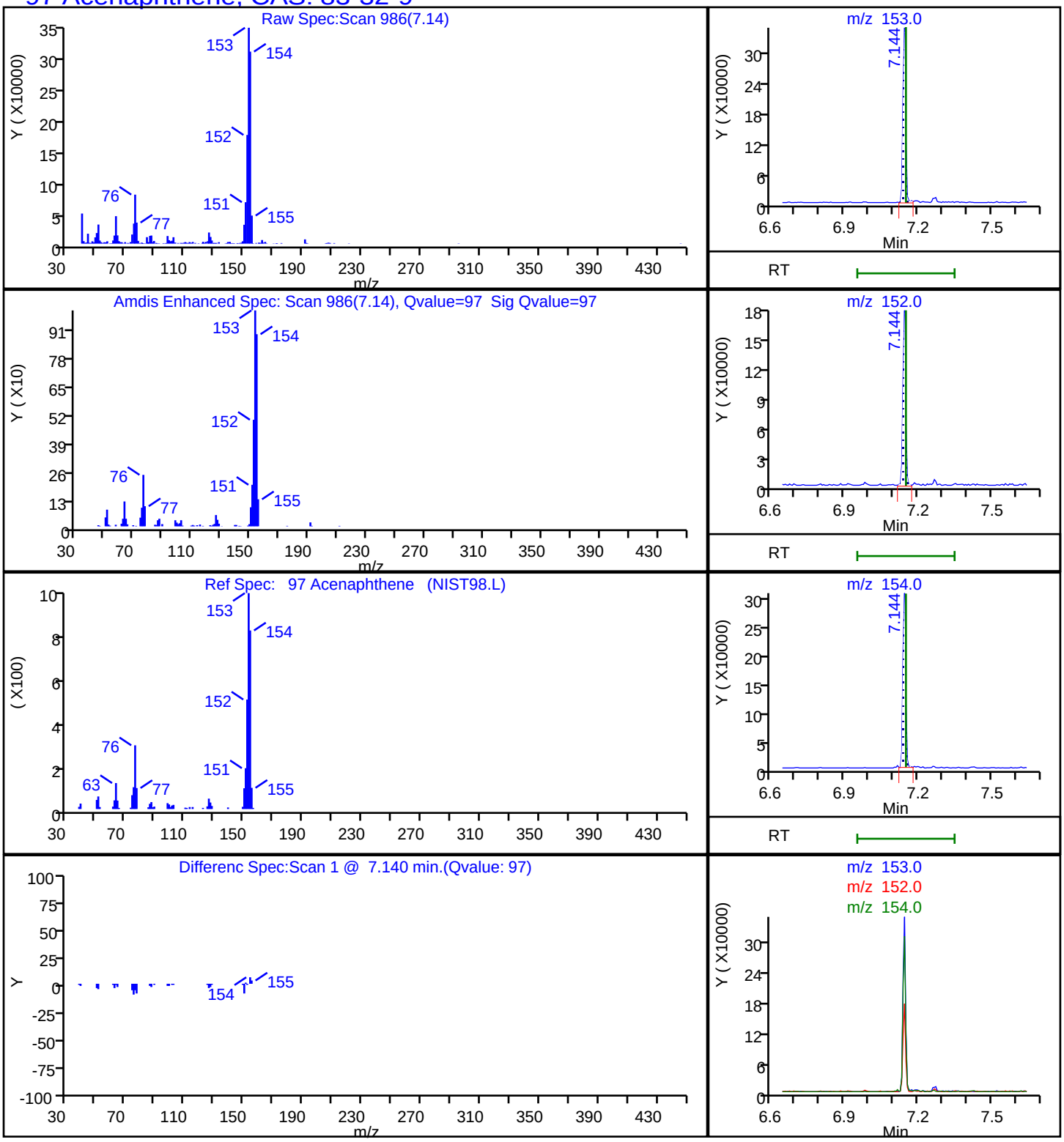
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	0.2164	0.87
$ 15 Phenol-d5	25.0	3.21	12.83
$ 39 Nitrobenzene-d5	25.0	17.8	71.37
$ 81 2-Fluorobiphenyl (Surr)	25.0	20.7	83.00
$ 116 2,4,6-Tribromophenol	25.0	0.5276	2.11
$ 148 p-Terphenyl-d14	25.0	12.5	50.01

Report Date: 06-Jun-2025 19:44:28 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D				
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

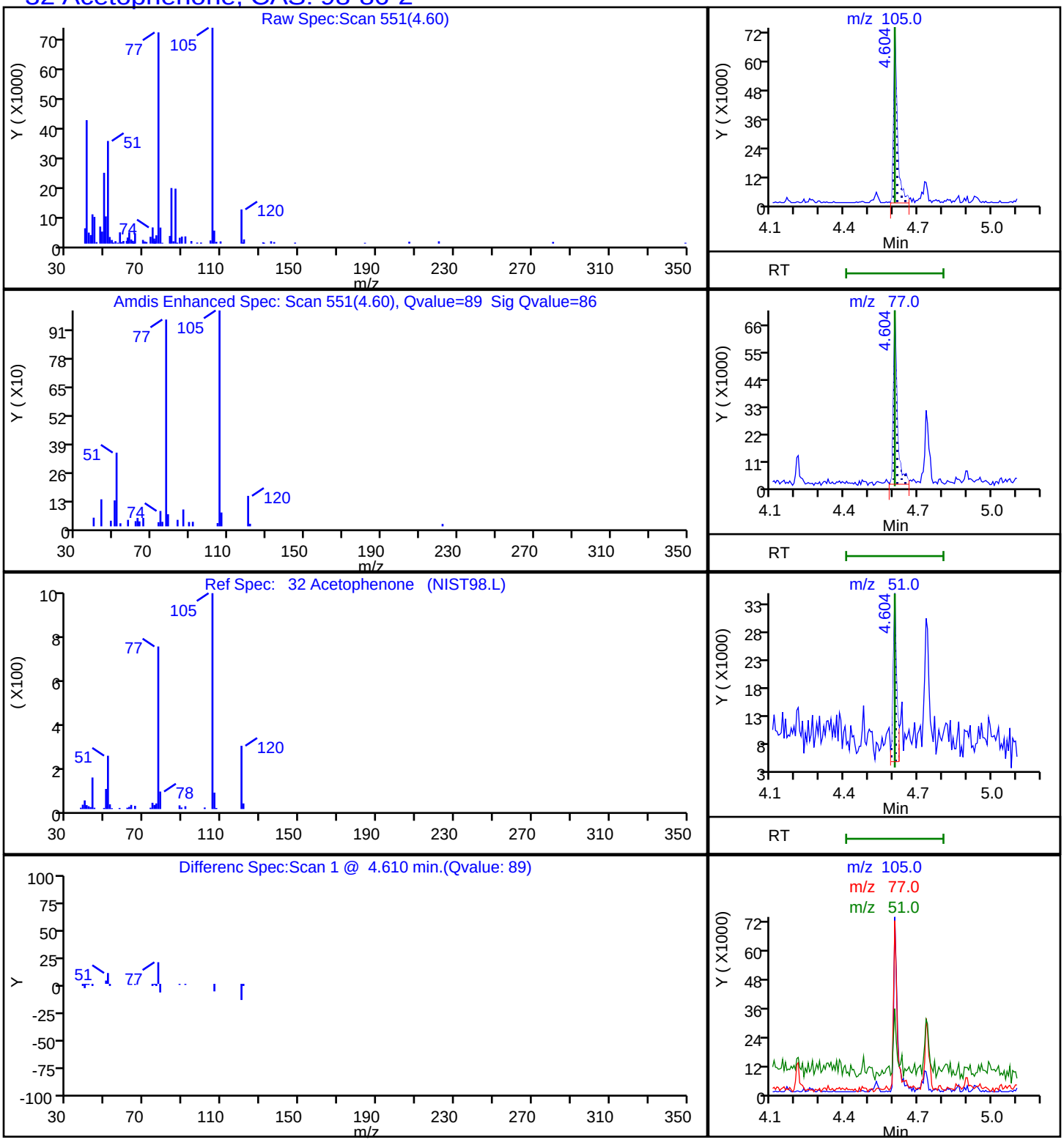
97 Acenaphthene, CAS: 83-32-9



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D				
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

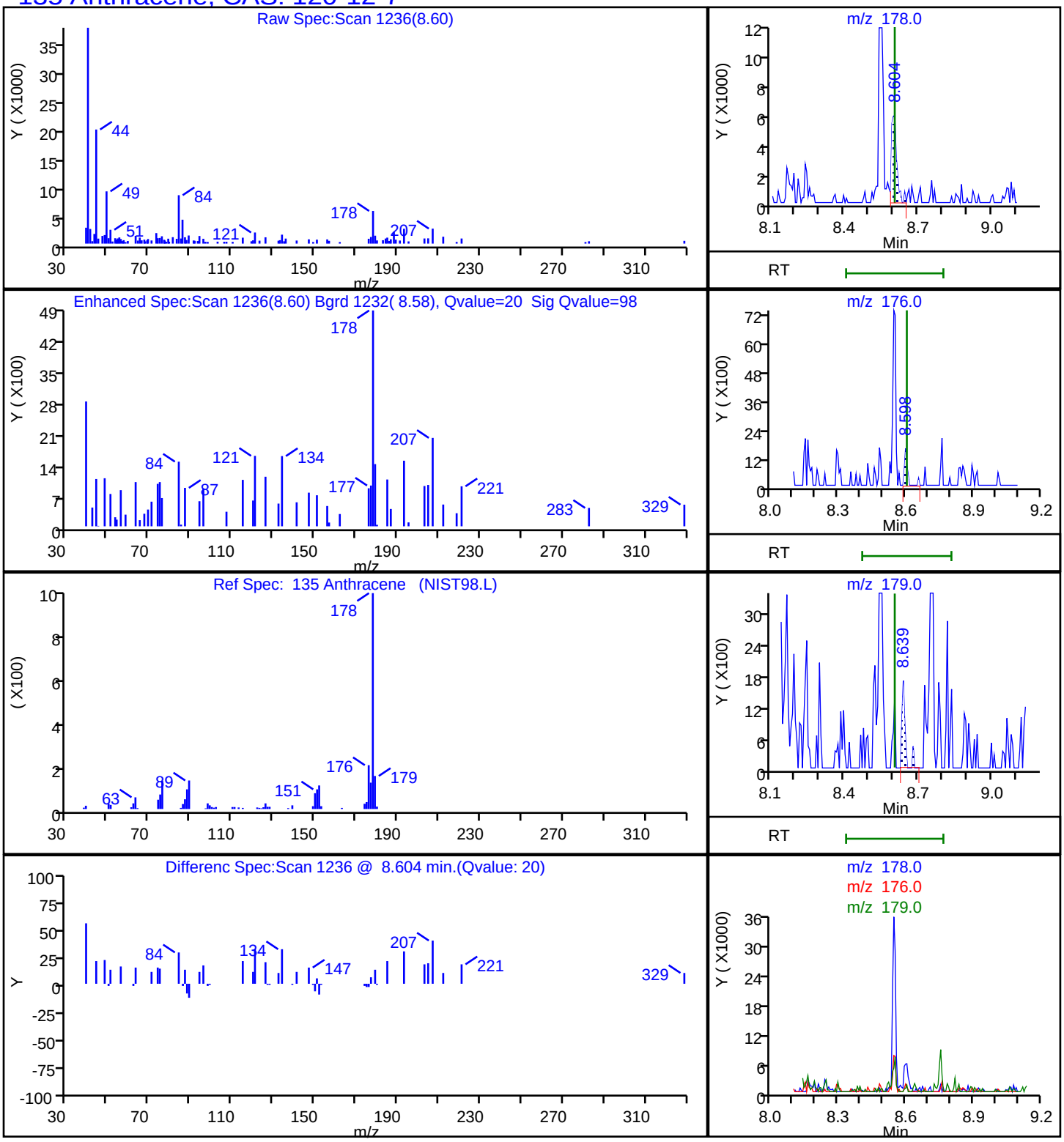
32 Acetophenone, CAS: 98-86-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D				
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

135 Anthracene, CAS: 120-12-7

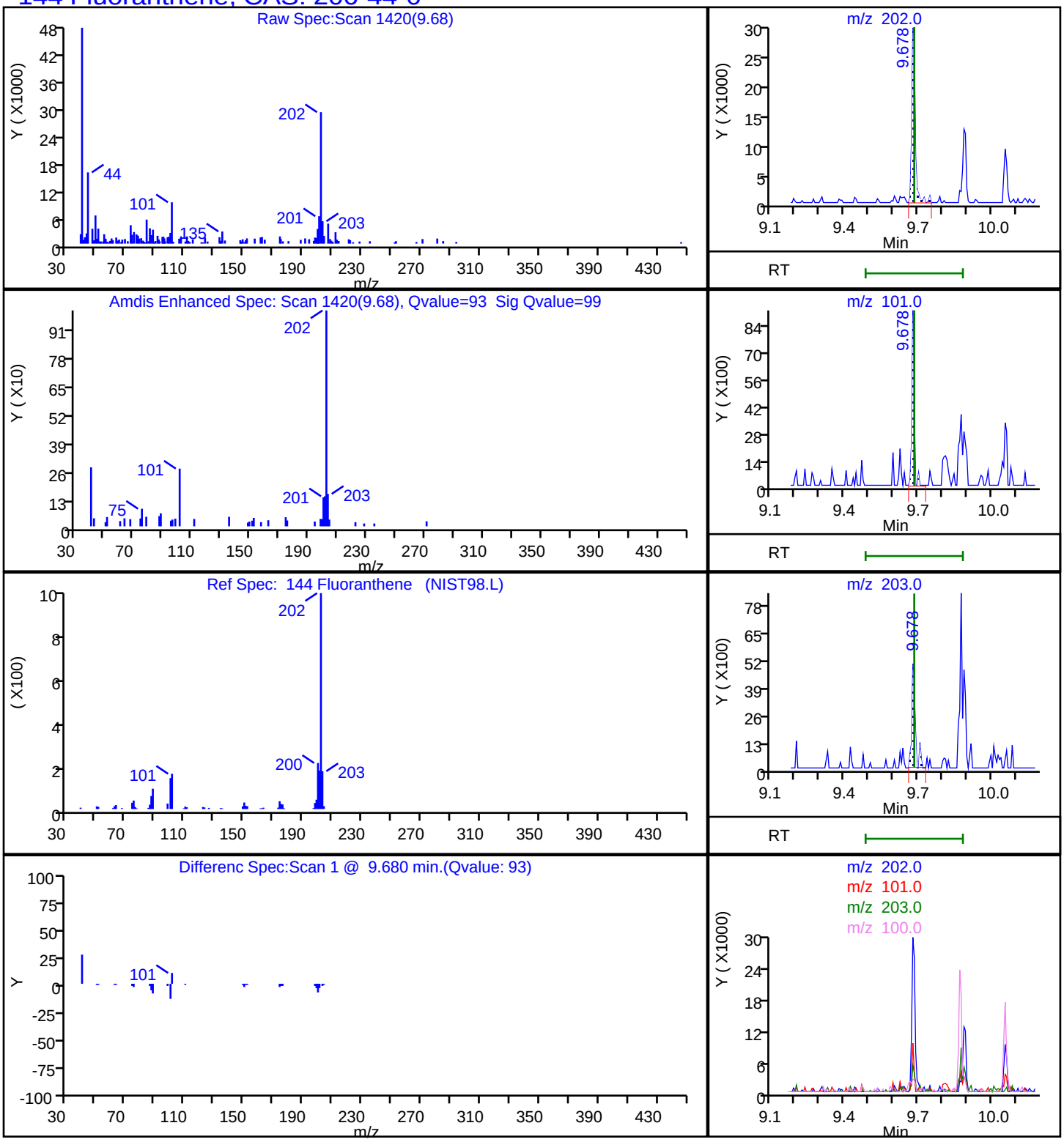


Report Date: 06-Jun-2025 19:44:28 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D				
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

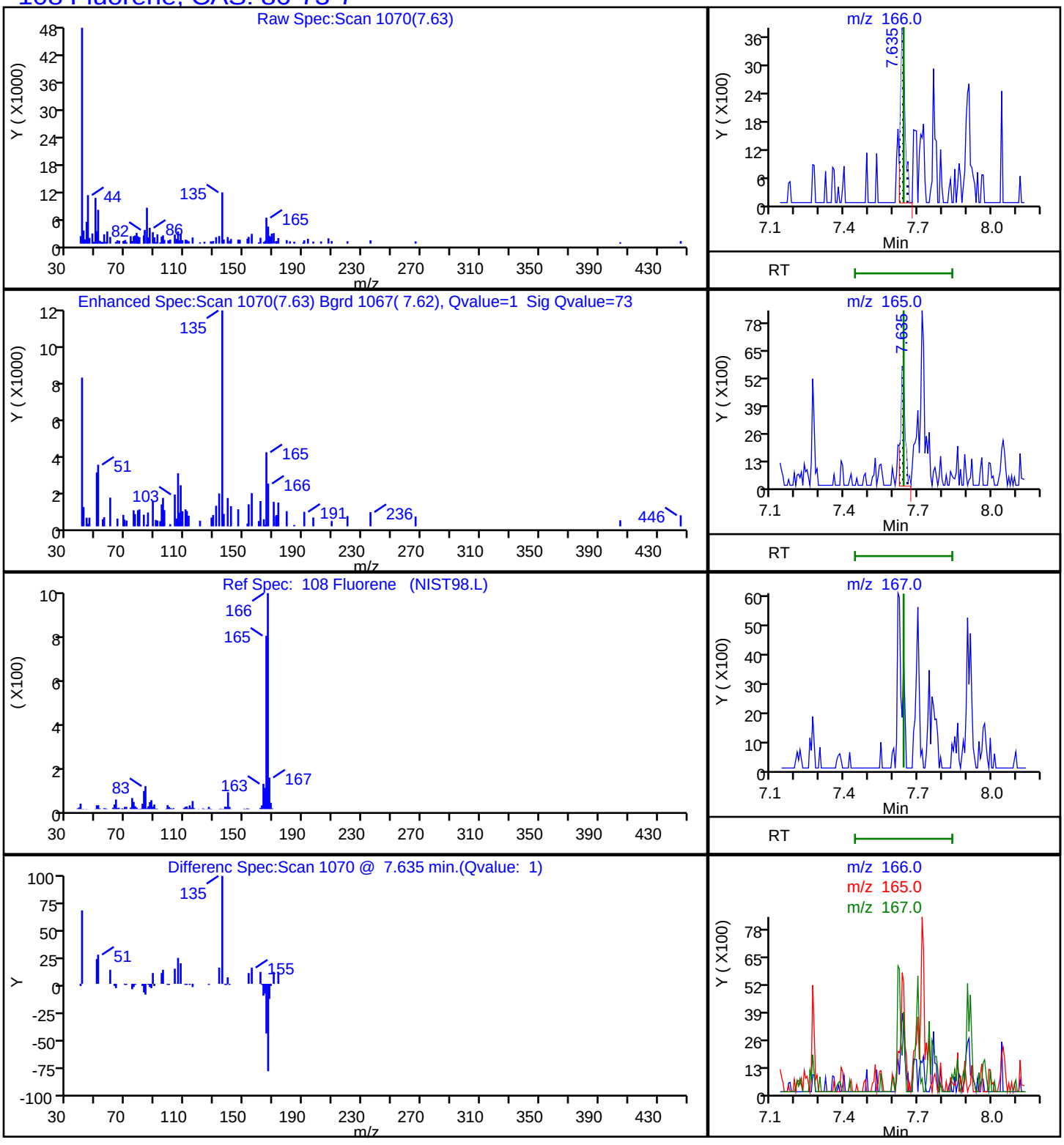
144 Fluoranthene, CAS: 206-44-0



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D				
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

108 Fluorene, CAS: 86-73-7

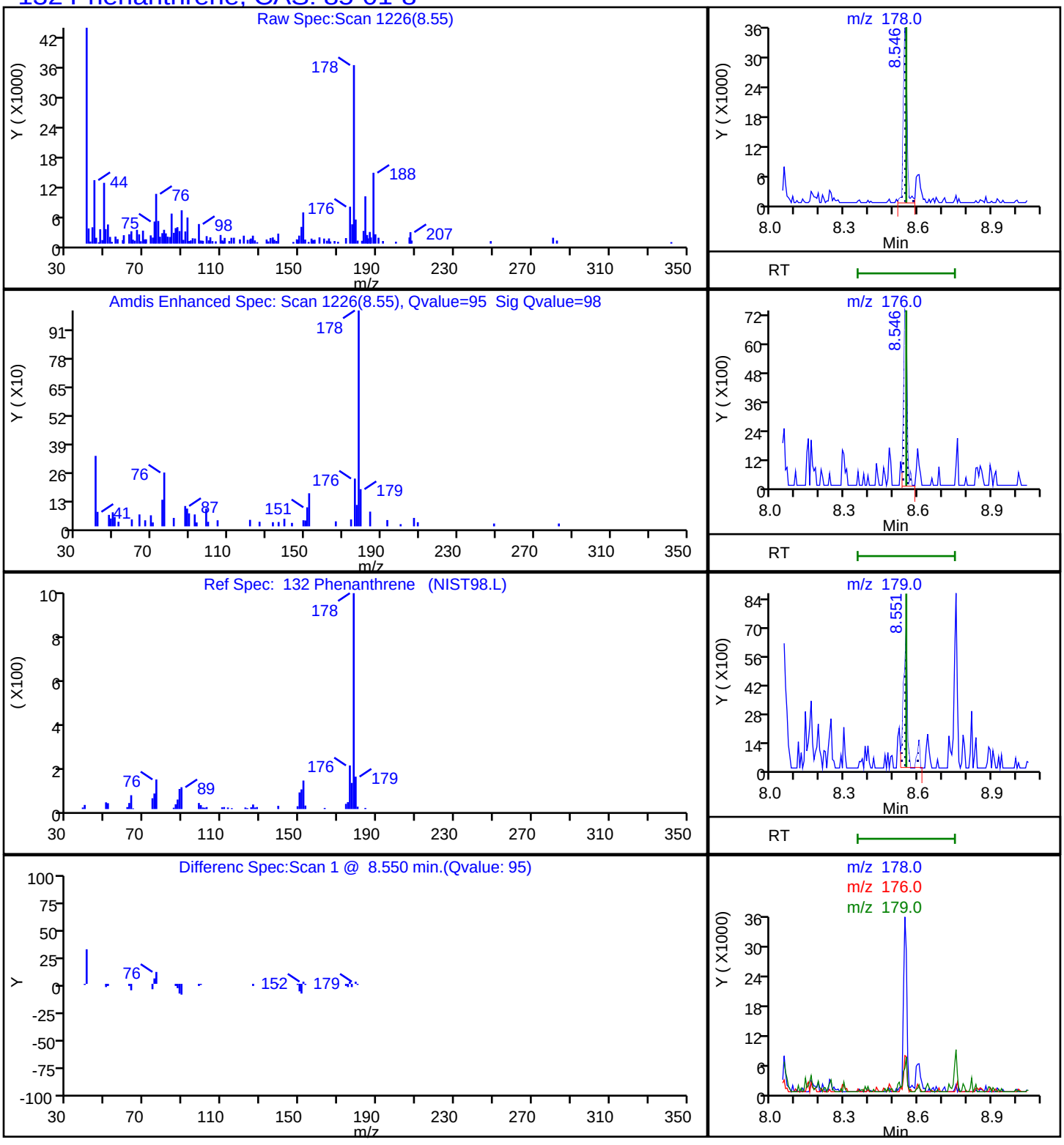


Report Date: 06-Jun-2025 19:44:28 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D		
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3
Client ID:	MW-6D		
Operator ID:	CJS101602	ALS Bottle#:	24 Worklist Smp#: 29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

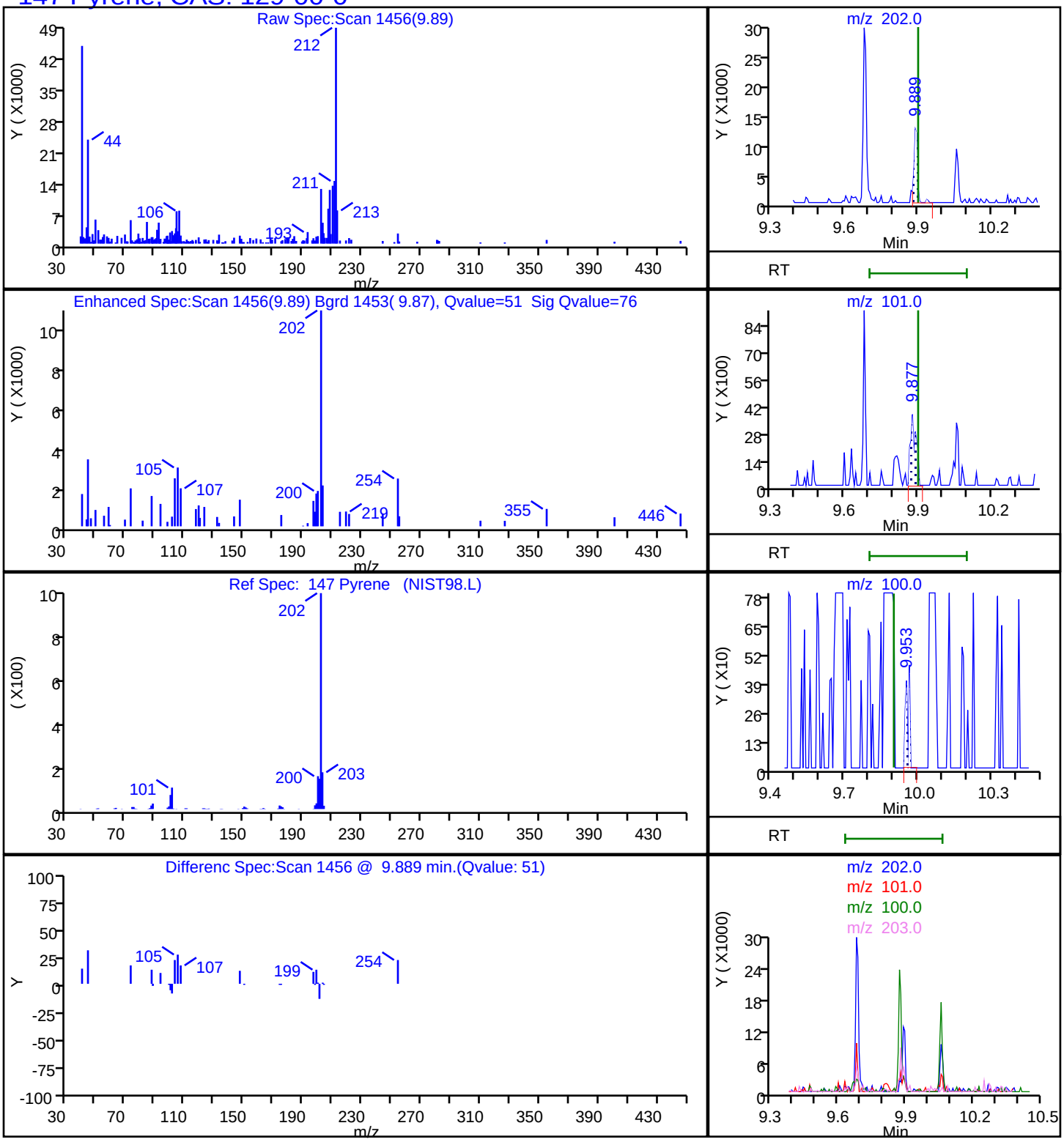
132 Phenanthrene, CAS: 85-01-8



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D		
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3
Client ID:	MW-6D		
Operator ID:	CJS101602	ALS Bottle#:	24 Worklist Smp#: 29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

147 Pyrene, CAS: 129-00-0



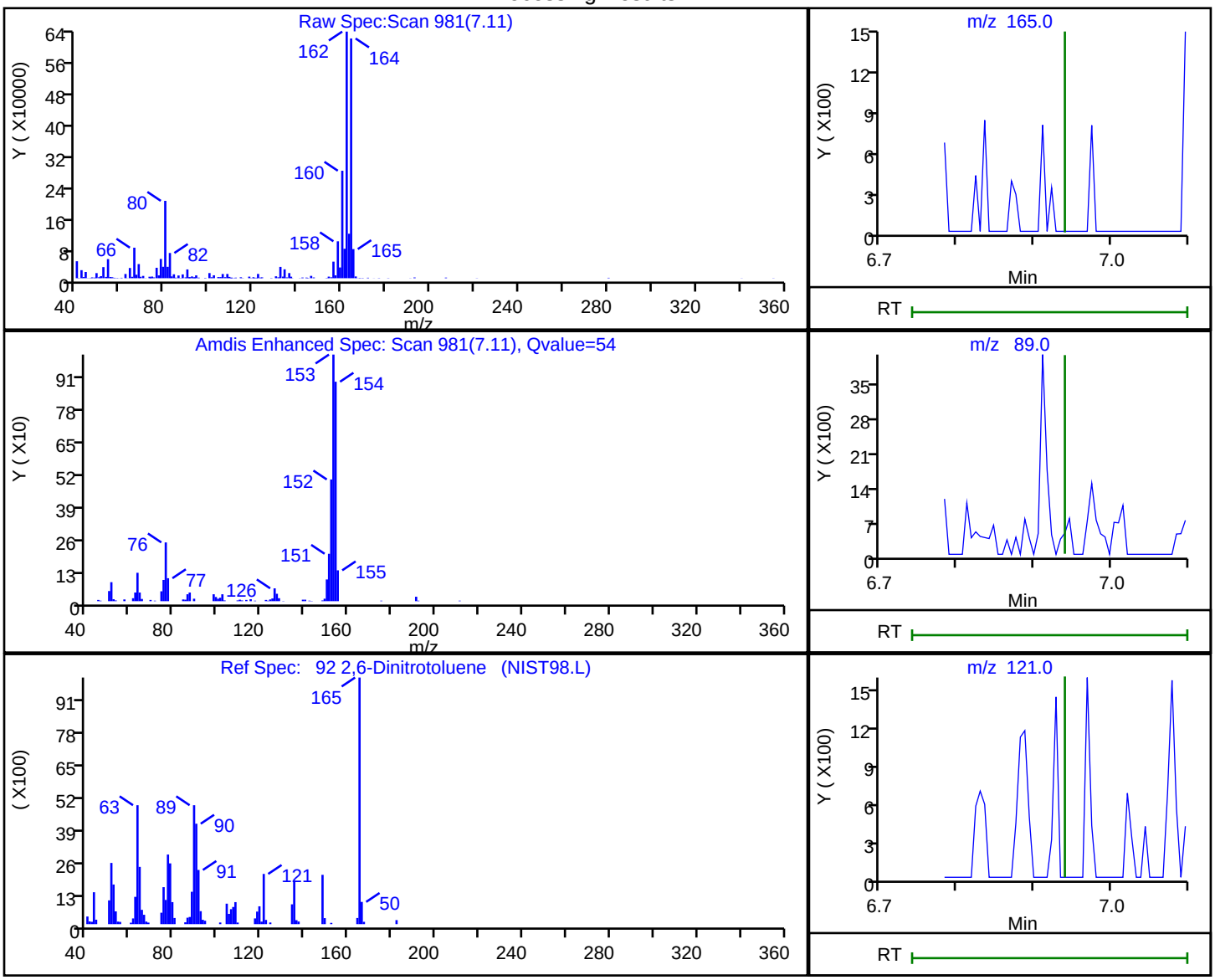
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D				
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

92 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
7.11	165.00	64773	1.990005
7.11	89.00	2573	
7.11	121.00	1721	
7.11	63.00	2033	

Reviewer: N5QU, 06-Jun-2025 19:39:32 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

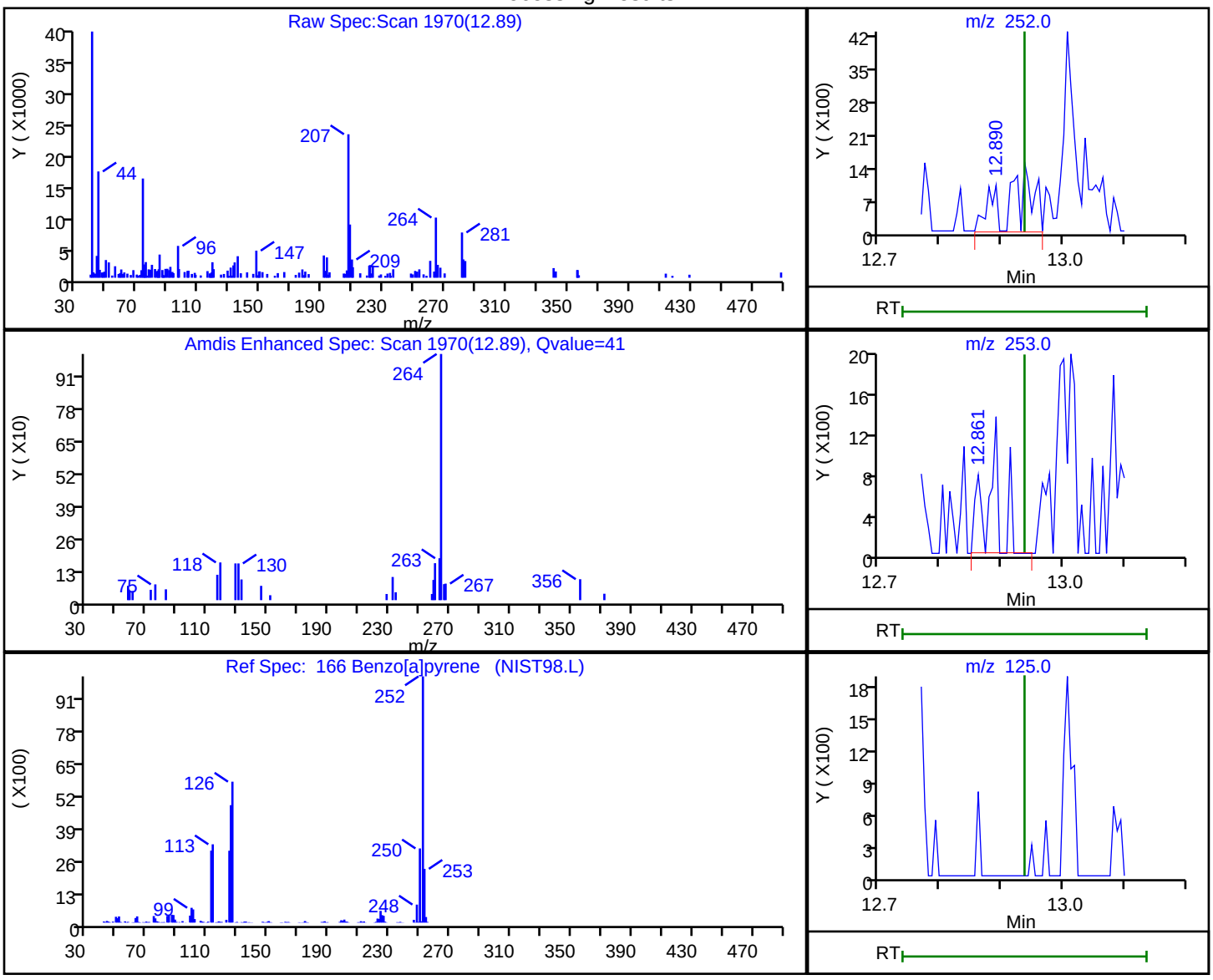
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D				
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.89	252.00	3986	0.020032
12.86	253.00	1835	
12.94	125.00	0	

Reviewer: N5QU, 06-Jun-2025 19:39:48 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

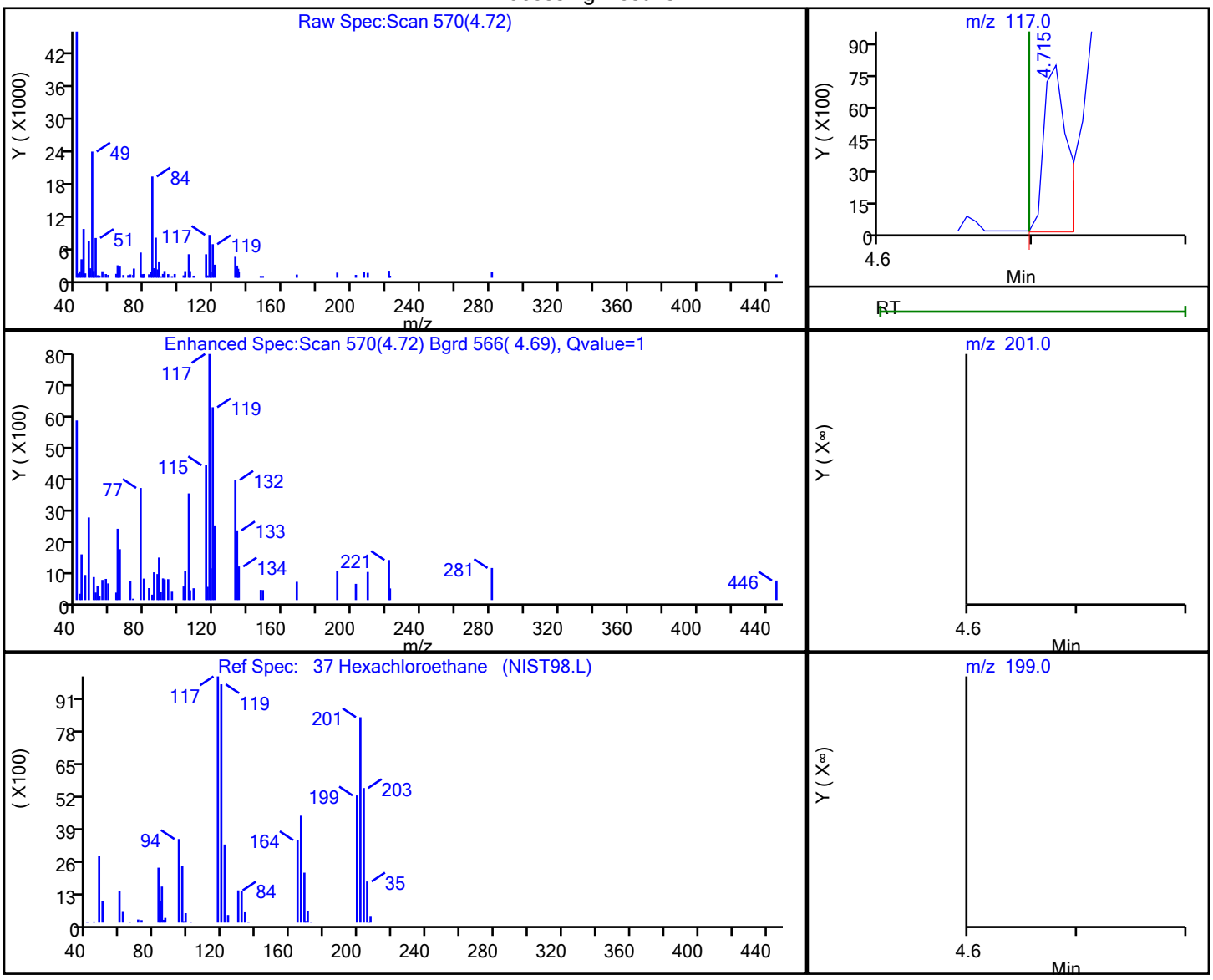
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D				
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

37 Hexachloroethane, CAS: 67-72-1

Processing Results



RT	Mass	Response	Amount
4.72	117.00	7807	0.175345
4.70	201.00	0	
4.70	199.00	0	

Reviewer: N5QU, 06-Jun-2025 19:39:21 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

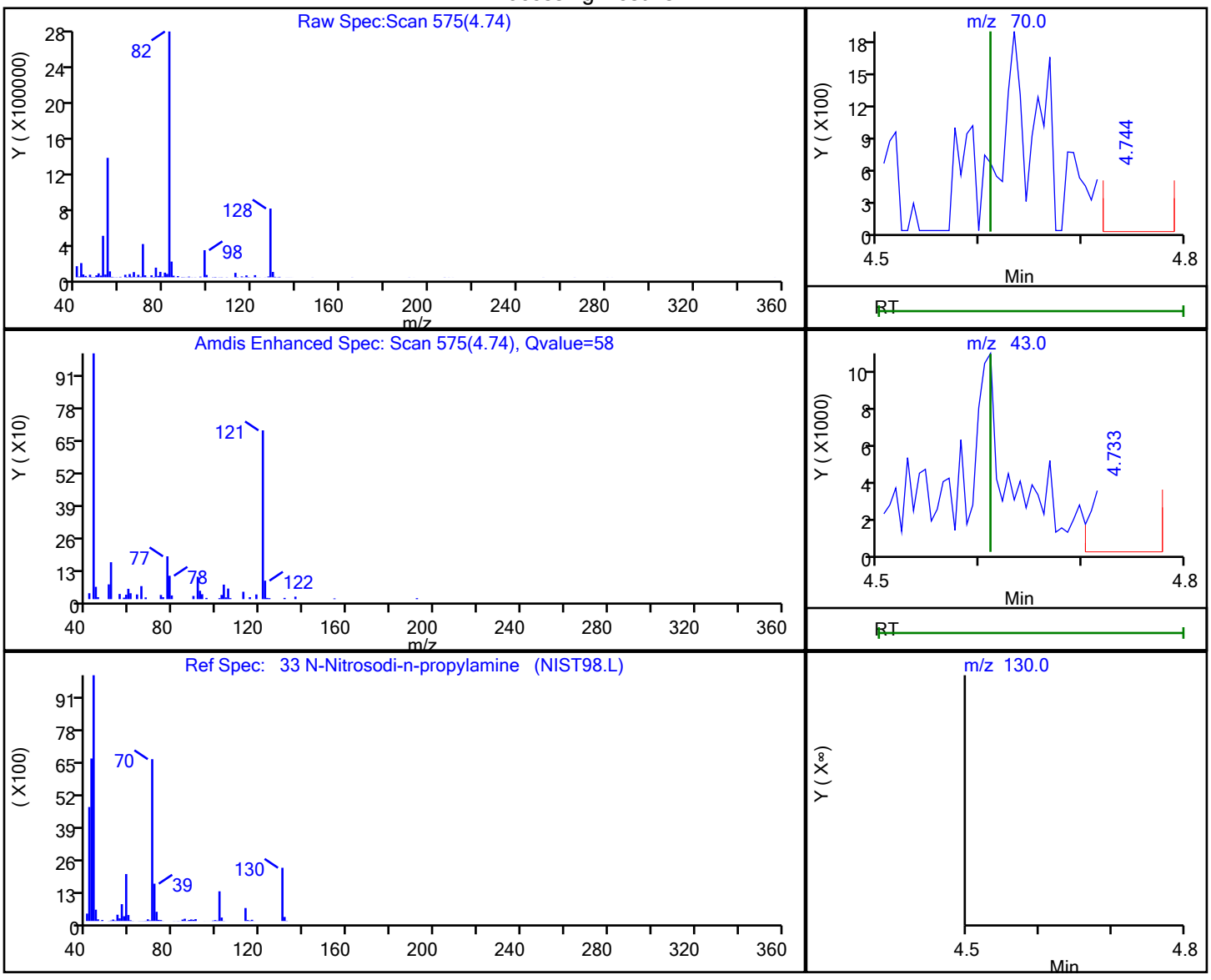
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D				
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

33 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Processing Results



RT	Mass	Response	Amount
4.74	70.00	298966	3.342509
4.73	43.00	143153	
4.74	130.00	4254	

Reviewer: N5QU, 06-Jun-2025 19:39:20 -04:00:00 (UTC)

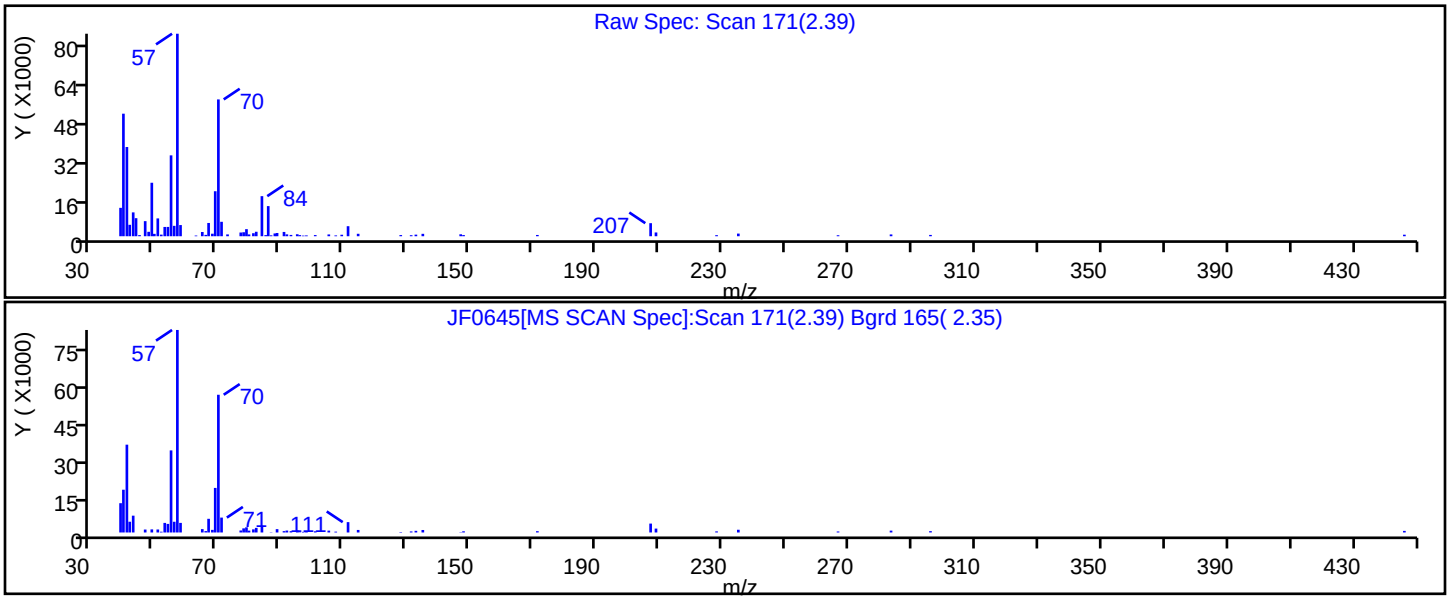
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 06-Jun-2025 19:44:28 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D				
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

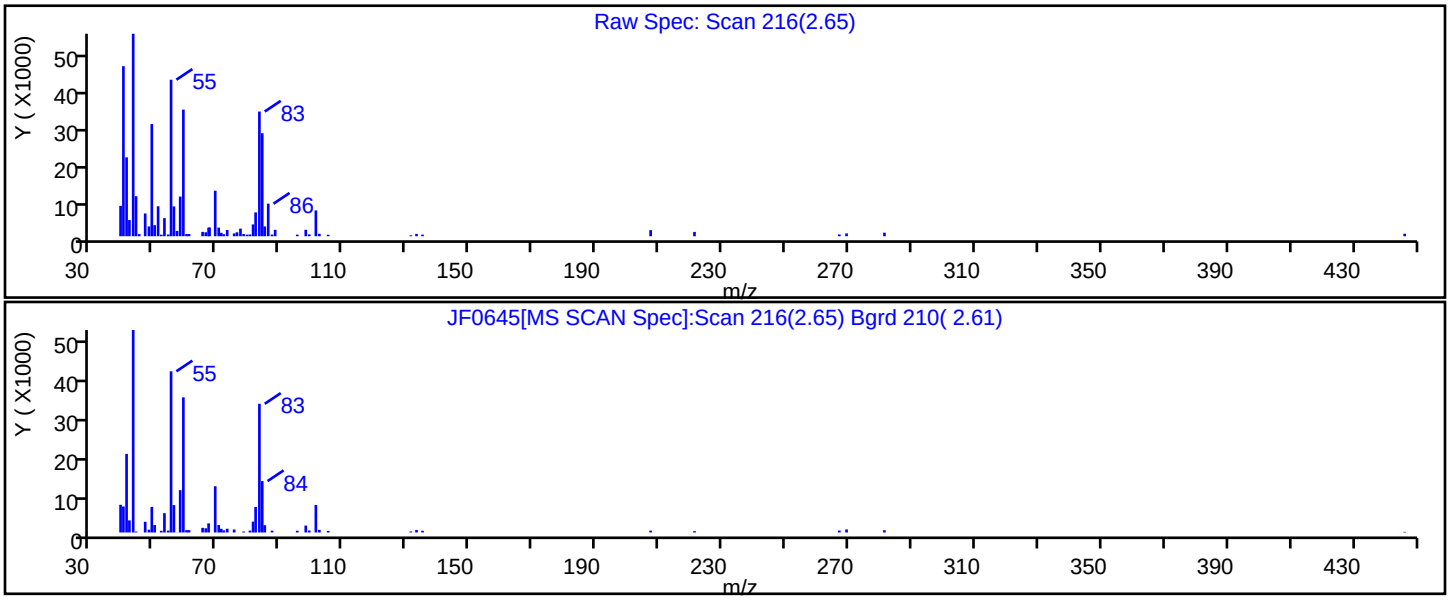


Report Date: 06-Jun-2025 19:44:28 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D				
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

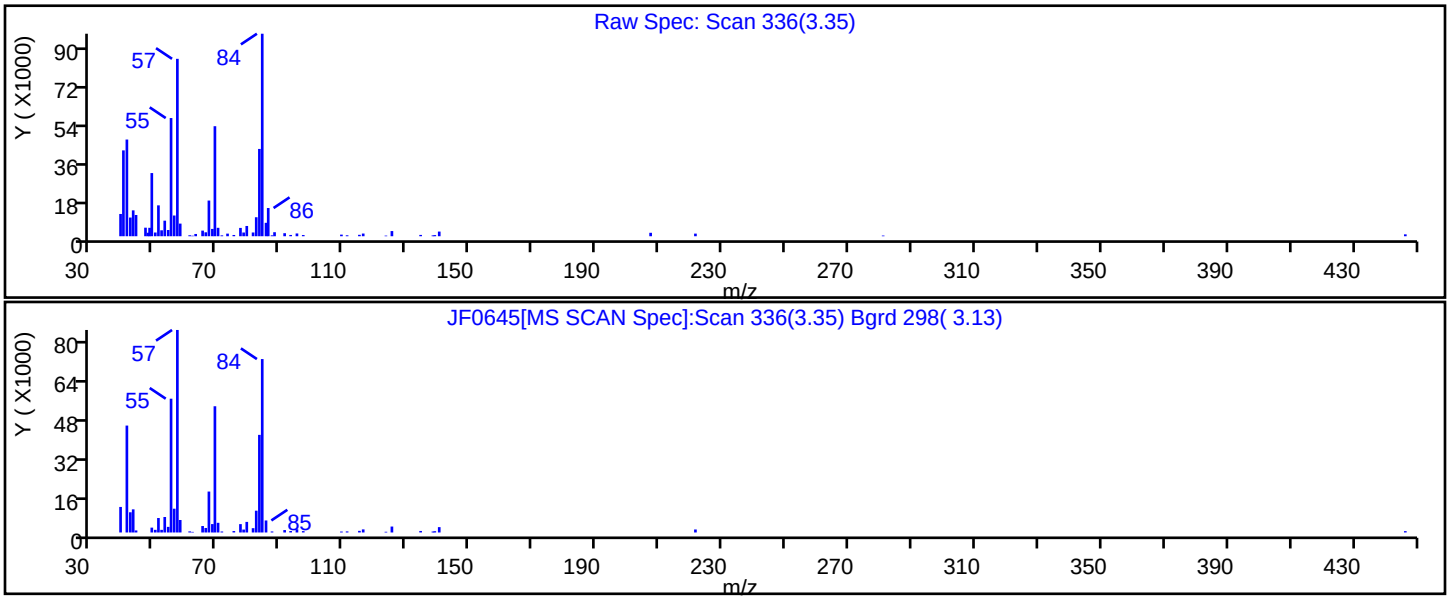


Report Date: 06-Jun-2025 19:44:28 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0645.D				
Injection Date:	06-Jun-2025 17:21:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-3-A	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D RE
Lab Sample ID: 410-225004-3 RE

Matrix: Water
Lab File ID: DF1062.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:23

Extract. Method: 3510C
Date Extracted: 06/10/2025 07:46

Sample wt/vol: 243.2(mL)
Date Analyzed: 06/10/2025 23:32

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 655733
Units: ug/L

Preparation Batch No.: 655289
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND	H	2.1	0.51
108-60-1	bis(1-chloroispropyl)ether	ND	H	2.1	0.51
95-95-4	2,4,5-Trichlorophenol	ND	H	2.1	0.51
88-06-2	2,4,6-Trichlorophenol	ND	H	2.1	0.51
120-83-2	2,4-Dichlorophenol	ND	H	2.1	0.51
105-67-9	2,4-Dimethylphenol	ND	H	10	3.1
51-28-5	2,4-Dinitrophenol	ND	H	31	14
121-14-2	2,4-Dinitrotoluene	ND	H	5.1	1.0
606-20-2	2,6-Dinitrotoluene	ND	H	2.1	0.51
91-58-7	2-Chloronaphthalene	ND	H	1.0	0.41
95-57-8	2-Chlorophenol	ND	H	2.1	0.51
91-57-6	2-Methylnaphthalene	ND	H	0.51	0.10
95-48-7	2-Methylphenol	ND	H	2.1	0.51
88-74-4	2-Nitroaniline	ND	H	5.1	1.0
88-75-5	2-Nitrophenol	ND	H	5.1	1.0
91-94-1	3,3'-Dichlorobenzidine	ND	H	10	4.1
99-09-2	3-Nitroaniline	ND	H	5.1	2.1
534-52-1	4,6-Dinitro-2-methylphenol	ND	H	22	8.2
101-55-3	4-Bromophenyl-phenylether	ND	H	2.1	0.51
59-50-7	4-Chloro-3-methylphenol	ND	H	5.1	1.0
106-47-8	4-Chloroaniline	ND	H	10	4.1
7005-72-3	4-Chlorophenyl-phenyl ether	ND	H	2.1	0.51
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND	H	2.1	0.51
100-01-6	4-Nitroaniline	ND	H	3.1	0.93
100-02-7	4-Nitrophenol	ND	H	31	10
83-32-9	Acenaphthene	7.5	H	0.51	0.10
208-96-8	Acenaphthylene	ND	H	0.51	0.10
98-86-2	Acetophenone	2.8	J H	5.1	1.0
120-12-7	Anthracene	ND	H	0.51	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D RE
Lab Sample ID: 410-225004-3 RE

Matrix: Water
Lab File ID: DF1062.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:23

Extract. Method: 3510C
Date Extracted: 06/10/2025 07:46

Sample wt/vol: 243.2(mL)
Date Analyzed: 06/10/2025 23:32

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 655733
Units: ug/L

Preparation Batch No.: 655289
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	*Atrazine*	*ND*	*H*	*5.1*	*1.0*
100-52-7	*Benzaldehyde*	*ND*	*H*	*5.1*	*1.0*
56-55-3	*Benzo[a]anthracene*	*ND*	*H*	*0.51*	*0.10*
50-32-8	*Benzo[a]pyrene*	*ND*	*H*	*0.51*	*0.11*
205-99-2	*Benzo[b]fluoranthene*	*ND*	*H*	*0.51*	*0.10*
191-24-2	*Benzo[g,h,i]perylene*	*ND*	*H*	*0.51*	*0.10*
207-08-9	*Benzo[k]fluoranthene*	*ND*	*H*	*0.51*	*0.10*
85-68-7	*Butylbenzylphthalate*	*ND*	*H*	*5.1*	*2.1*
105-60-2	*Caprolactam*	*ND*	*H*	*7.2*	*3.1*
86-74-8	*Carbazole*	*ND*	*H*	*2.1*	*0.51*
218-01-9	*Chrysene*	*ND*	*H*	*0.51*	*0.10*
84-74-2	*Di-n-butyl phthalate*	*ND*	*H*	*5.1*	*2.1*
117-84-0	*Di-n-octyl phthalate*	*ND*	*H*	*11*	*5.1*
53-70-3	*Dibenz(a,h)anthracene*	*ND*	*H*	*0.51*	*0.10*
132-64-9	*Dibenzofuran*	*ND*	*H*	*2.1*	*0.51*
84-66-2	*Diethyl phthalate*	*ND*	*H*	*5.1*	*2.1*
131-11-3	*Dimethyl phthalate*	*ND*	*H*	*5.1*	*2.1*
206-44-0	*Fluoranthene*	*0.39*	*J H*	*0.51*	*0.10*
86-73-7	*Fluorene*	*0.16*	*J H*	*0.51*	*0.12*
118-74-1	*Hexachlorobenzene*	*ND*	*H*	*0.51*	*0.11*
87-68-3	*Hexachlorobutadiene*	*ND*	*H*	*2.1*	*0.51*
77-47-4	*Hexachlorocyclopentadiene*	*ND*	*H*	*11*	*5.1*
67-72-1	*Hexachloroethane*	*ND*	*H*	*5.1*	*0.51*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*ND*	*H*	*0.51*	*0.11*
78-59-1	*Isophorone*	*ND*	*H*	*2.1*	*0.51*
621-64-7	*N-Nitrosodi-n-propylamine*	*ND*	*H*	*2.1*	*0.51*
86-30-6	*N-Nitrosodiphenylamine*	*ND*	*H*	*2.1*	*0.51*
91-20-3	*Naphthalene*	*ND*	*H*	*0.51*	*0.27*
98-95-3	*Nitrobenzene*	*ND*	*H*	*2.1*	*0.51*
87-86-5	*Pentachlorophenol*	*ND*	*H*	*5.1*	*2.7*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D RE
Lab Sample ID: 410-225004-3 RE

Matrix: Water
Lab File ID: DF1062.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:23

Extract. Method: 3510C
Date Extracted: 06/10/2025 07:46

Sample wt/vol: 243.2(mL)
Date Analyzed: 06/10/2025 23:32

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 655733
Units: ug/L

Preparation Batch No.: 655289
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	*Phenanthrene*	*0.58*	*H*	*0.51*	*0.11*
108-95-2	*Phenol*	*ND*	*H*	*2.1*	*0.51*
129-00-0	*Pyrene*	*0.15*	*J H*	*0.51*	*0.10*
111-91-1	*Bis(2-chloroethoxy)methane*	*ND*	*H*	*2.1*	*0.51*
111-44-4	*Bis(2-chloroethyl)ether*	*ND*	*H*	*2.1*	*0.51*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*ND*	*H*	*5.1*	*2.1*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	75		13-134
321-60-8	2-Fluorobiphenyl (Surr)	79		45-120
367-12-4	2-Fluorophenol (Surr)	36		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	73		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	79		26-123
4165-62-2	Phenol-d5 (Surr)	26		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1062.D
Lims ID: 410-225004-F-3-A RE
Client ID: MW-6D
Sample Type: Client
Inject. Date: 10-Jun-2025 23:32:08 ALS Bottle#: 11 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-F-3-A
Misc. Info.: 410-0149952-013
Operator ID: IR93211 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Jun-2025 15:41:57 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: N5QU Date: 11-Jun-2025 15:35:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.797	2.799	-0.006	93	376688	9.00	
15 Benzaldehyde	77		3.631				ND	7
$ 16 Phenol-d5	99	3.707	3.701	0.000	96	392951	6.42	
17 Phenol	94		3.724				ND	7
19 Bis(2-chloroethyl)ether	93		3.806				ND	7
20 2-Chlorophenol	128		3.852				ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.056	4.057	0.000	97	155148	5.00	
28 2-Methylphenol	108		4.313				ND	
29 2,2'-oxybis[1-chloropropane]	45		4.330				ND	7
34 Acetophenone	105	4.447	4.446	-0.006	95	48461	0.6782	
33 N-Nitrosodi-n-propylamine	70		4.459				ND	7
32 4-Methylphenol	108		4.465				ND	
38 Hexachloroethane	117		4.546				ND	U
$ 39 Nitrobenzene-d5	82	4.587	4.588	-0.006	87	961028	18.2	
40 Nitrobenzene	77		4.616				ND	U
43 Isophorone	82		4.849				ND	7
44 2-Nitrophenol	139		4.919				ND	
45 2,4-Dimethylphenol	107		4.977				ND	7
47 Bis(2-chloroethoxy)methane	93		5.065				ND	
48 2,4-Dichlorophenol	162		5.158				ND	
* 50 Naphthalene-d8	136	5.280	5.286	-0.006	100	570158	5.00	
51 Naphthalene	128		5.304				ND	7
53 4-Chloroaniline	127		5.368				ND	7
56 Hexachlorobutadiene	225		5.432				ND	
61 Caprolactam	113		5.689				ND	7
64 4-Chloro-3-methylphenol	107		5.846				ND	7
66 2-Methylnaphthalene	142		5.968				ND	7
68 Hexachlorocyclopentadiene	237		6.120				ND	
71 2,4,6-Trichlorophenol	196		6.248				ND	
72 2,4,5-Trichlorophenol	196		6.283				ND	
$ 73 2-Fluorobiphenyl (Surr)	172	6.324	6.319	0.000	100	1732032	19.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
75 1,1'-Biphenyl	154		6.417				ND	7
76 2-Chloronaphthalene	162		6.429				ND	7
79 2-Nitroaniline	138		6.534				ND	
85 Dimethyl phthalate	163		6.720				ND	7
87 2,6-Dinitrotoluene	165		6.773				ND	7
88 Acenaphthylene	152		6.819				ND	7
89 3-Nitroaniline	138		6.924				ND	7
* 90 Acenaphthene-d10	164	6.953	6.953	0.000	95	317144	5.00	
91 Acenaphthene	153	6.982	6.982	-0.006	96	140063	1.82	
92 2,4-Dinitrophenol	184		7.029				ND	
93 4-Nitrophenol	109		7.111				ND	7
95 2,4-Dinitrotoluene	165		7.152				ND	7
96 Dibenzofuran	168		7.152				ND	7
100 Diethyl phthalate	149		7.396				ND	7
102 Fluorene	166	7.466	7.472	-0.006	73	3510	0.0395	
103 4-Chlorophenyl phenyl ether	204		7.484				ND	
105 4-Nitroaniline	138		7.501				ND	
106 4,6-Dinitro-2-methylphenol	198		7.530				ND	
107 N-Nitrosodiphenylamine	169		7.600				ND	7
$ 109 2,4,6-Tribromophenol	330	7.699	7.699	-0.006	93	233676	18.6	
116 4-Bromophenyl phenyl ether	248		7.944				ND	
118 Hexachlorobenzene	284		7.991				ND	
120 Atrazine	200		8.119				ND	
121 Pentachlorophenol	266		8.183				ND	U
* 126 Phenanthrene-d10	188	8.352	8.358	-0.006	97	599543	5.00	
128 Phenanthrene	178	8.375	8.375	-0.006	96	18151	0.1401	
129 Anthracene	178	8.428	8.422	0.000	33	2850	0.0225	
130 Carbazole	167		8.591				ND	7
133 Di-n-butyl phthalate	149		8.947				ND	7
143 Fluoranthene	202	9.500	9.500	-0.006	98	12753	0.0941	
* 149 Pyrene-d10 (IS)	212	9.693	9.699	-0.006	99	621215	5.00	
150 Pyrene	202	9.710	9.710	-0.006	95	5465	0.0353	
$ 152 p-Terphenyl-d14	244	9.879	9.879	-0.006	98	1920700	19.8	
157 Butyl benzyl phthalate	149		10.381				ND	7
159 3,3'-Dichlorobenzidine	252		10.917				ND	
161 Benzo[a]anthracene	228		10.923				ND	7
162 Chrysene	228		10.963				ND	7
163 Bis(2-ethylhexyl) phthalate	149		11.022				ND	7
165 Di-n-octyl phthalate	149		11.814				ND	7
167 Benzo[b]fluoranthene	252		12.211				ND	7
168 Benzo[k]fluoranthene	252		12.246				ND	7
169 Benzo[a]pyrene	252		12.636				ND	U
* 170 Perylene-d12	264	12.706	12.712	-0.006	99	475620	5.00	
174 Indeno[1,2,3-cd]pyrene	276		14.169				ND	
175 Dibenz(a,h)anthracene	278		14.216				ND	
176 Benzo[g,h,i]perylene	276		14.542				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00109 Amount Added: 20.00 Units: uL Run Reagent

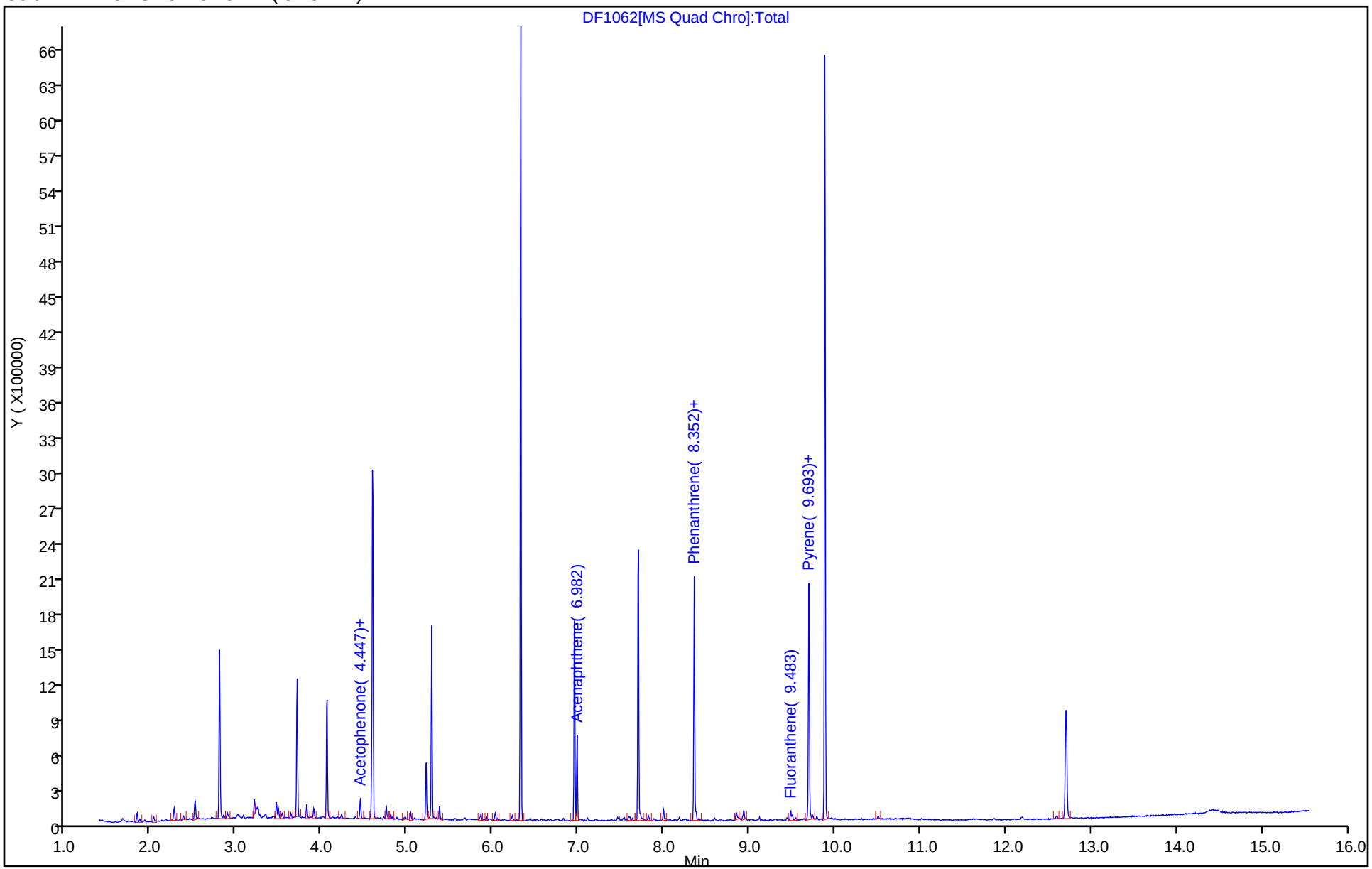
Report Date: 11-Jun-2025 15:44:05 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1062.D

Injection Date:	10-Jun-2025 23:32:08	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	410-225004-F-3-A RE	Lab Sample ID:	410-225004-3	Worklist Smp#:	13
Client ID:	MW-6D				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1062.D
Lims ID: 410-225004-F-3-A RE
Client ID: MW-6D
Sample Type: Client
Inject. Date: 10-Jun-2025 23:32:08 ALS Bottle#: 11 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-F-3-A
Misc. Info.: 410-0149952-013
Operator ID: IR93211 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Jun-2025 15:41:57 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1629

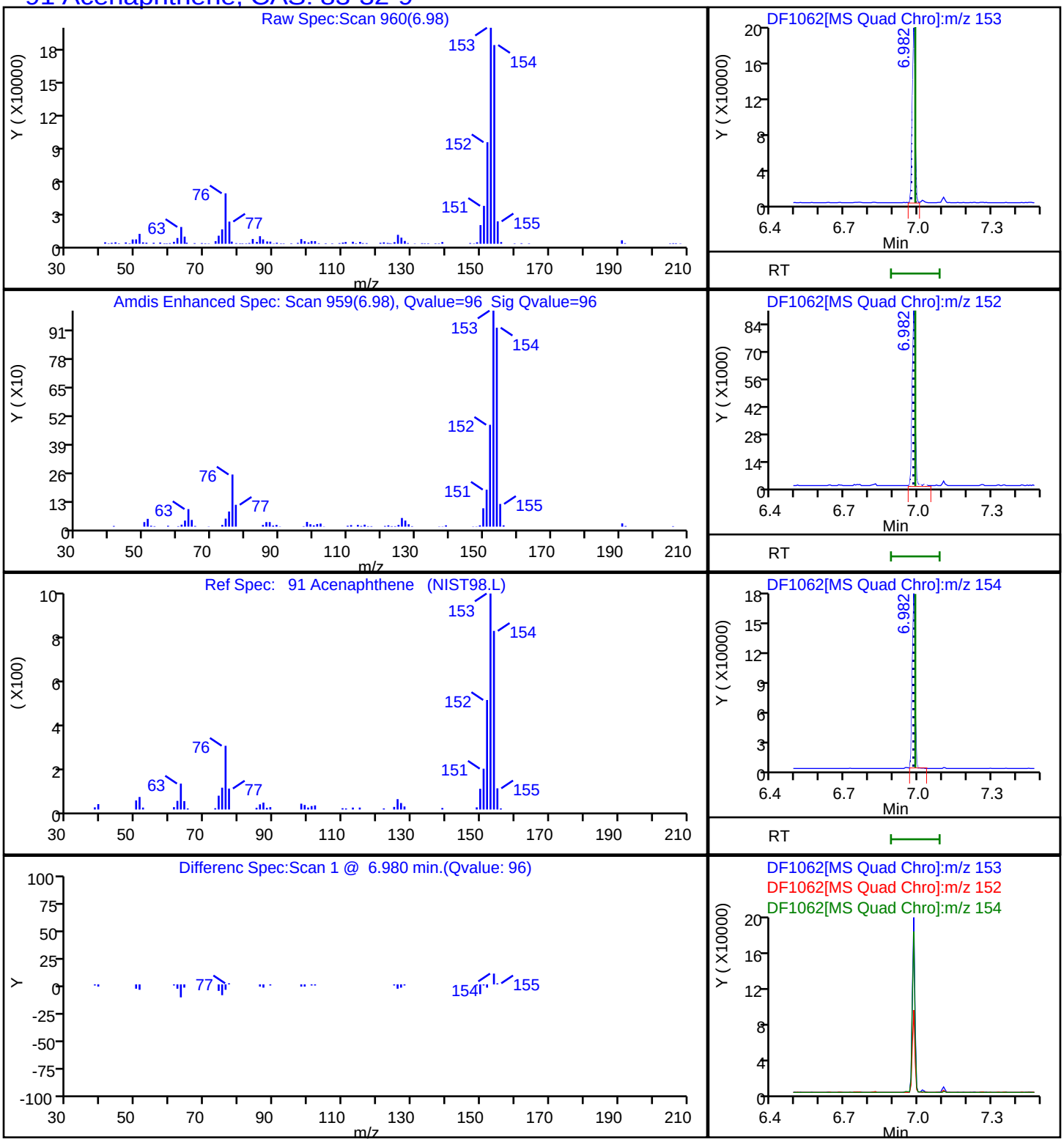
First Level Reviewer: N5QU Date: 11-Jun-2025 15:35:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	9.00	36.01
$ 16 Phenol-d5	25.0	6.42	25.70
$ 39 Nitrobenzene-d5	25.0	18.2	72.83
$ 73 2-Fluorobiphenyl (Surr)	25.0	19.6	78.51
$ 109 2,4,6-Tribromophenol	25.0	18.6	74.55
$ 152 p-Terphenyl-d14	25.0	19.8	79.18

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1062.D				
Injection Date:	10-Jun-2025 23:32:08	Instrument ID:	HP19760		
Lims ID:	410-225004-F-3-A RE	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

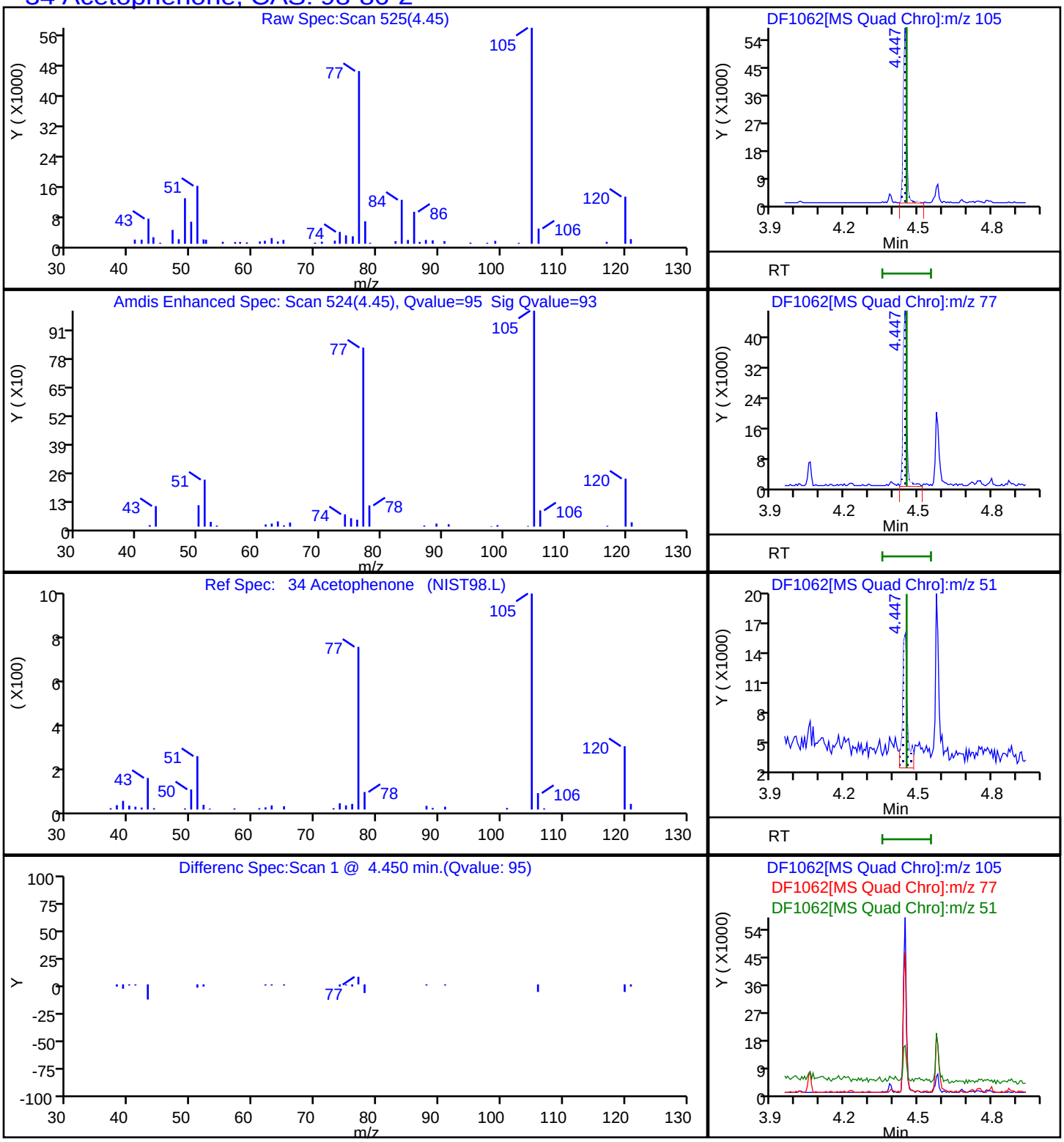
91 Acenaphthene, CAS: 83-32-9



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1062.D		
Injection Date:	10-Jun-2025 23:32:08	Instrument ID:	HP19760
Lims ID:	410-225004-F-3-A RE	Lab Sample ID:	410-225004-3
Client ID:	MW-6D		
Operator ID:	IR93211	ALS Bottle#:	11 Worklist Smp#: 13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

34 Acetophenone, CAS: 98-86-2

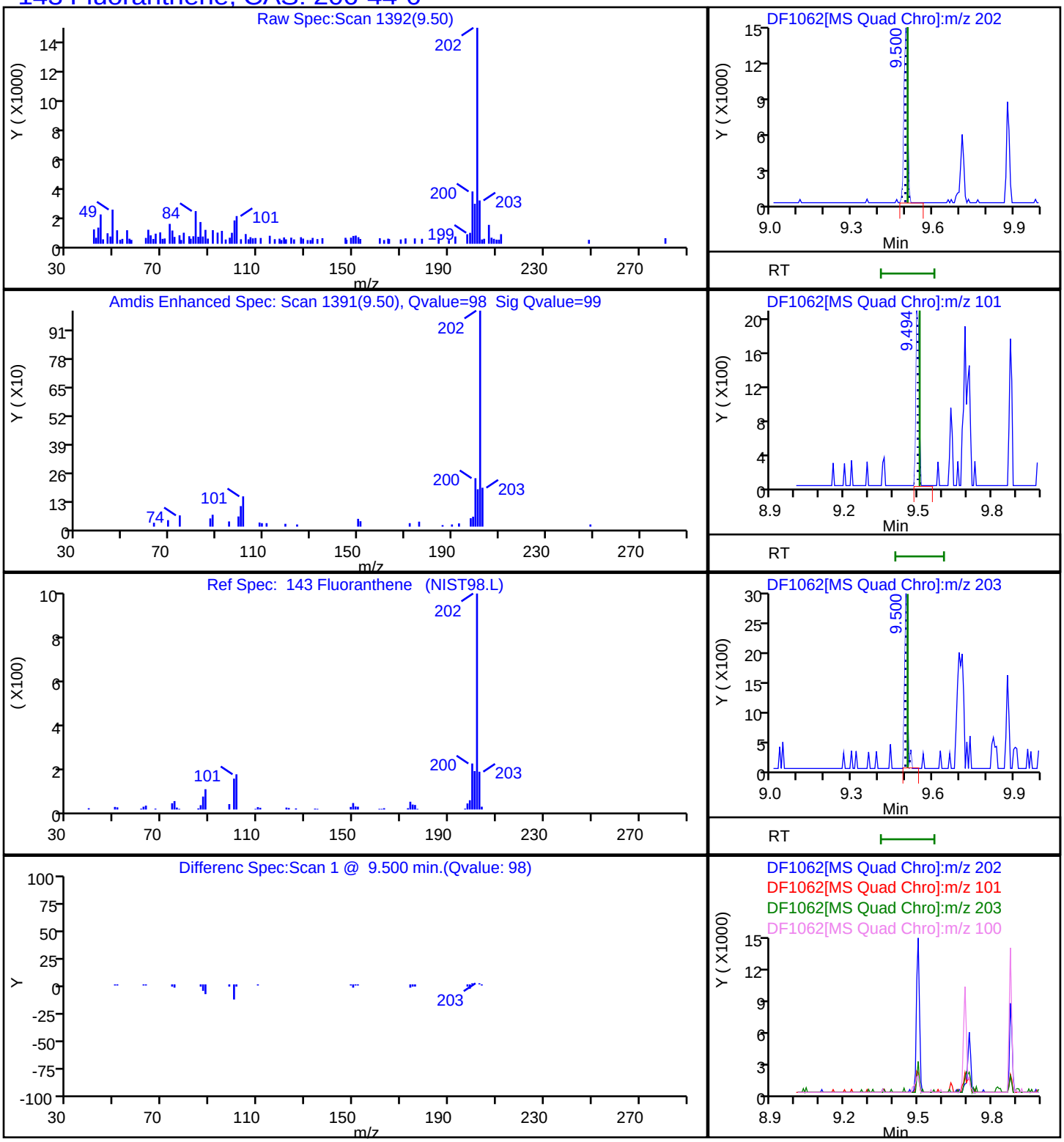


Report Date: 11-Jun-2025 15:44:05 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1062.D		
Injection Date:	10-Jun-2025 23:32:08	Instrument ID:	HP19760
Lims ID:	410-225004-F-3-A RE	Lab Sample ID:	410-225004-3
Client ID:	MW-6D		
Operator ID:	IR93211	ALS Bottle#:	11 Worklist Smp#: 13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

143 Fluoranthene, CAS: 206-44-0

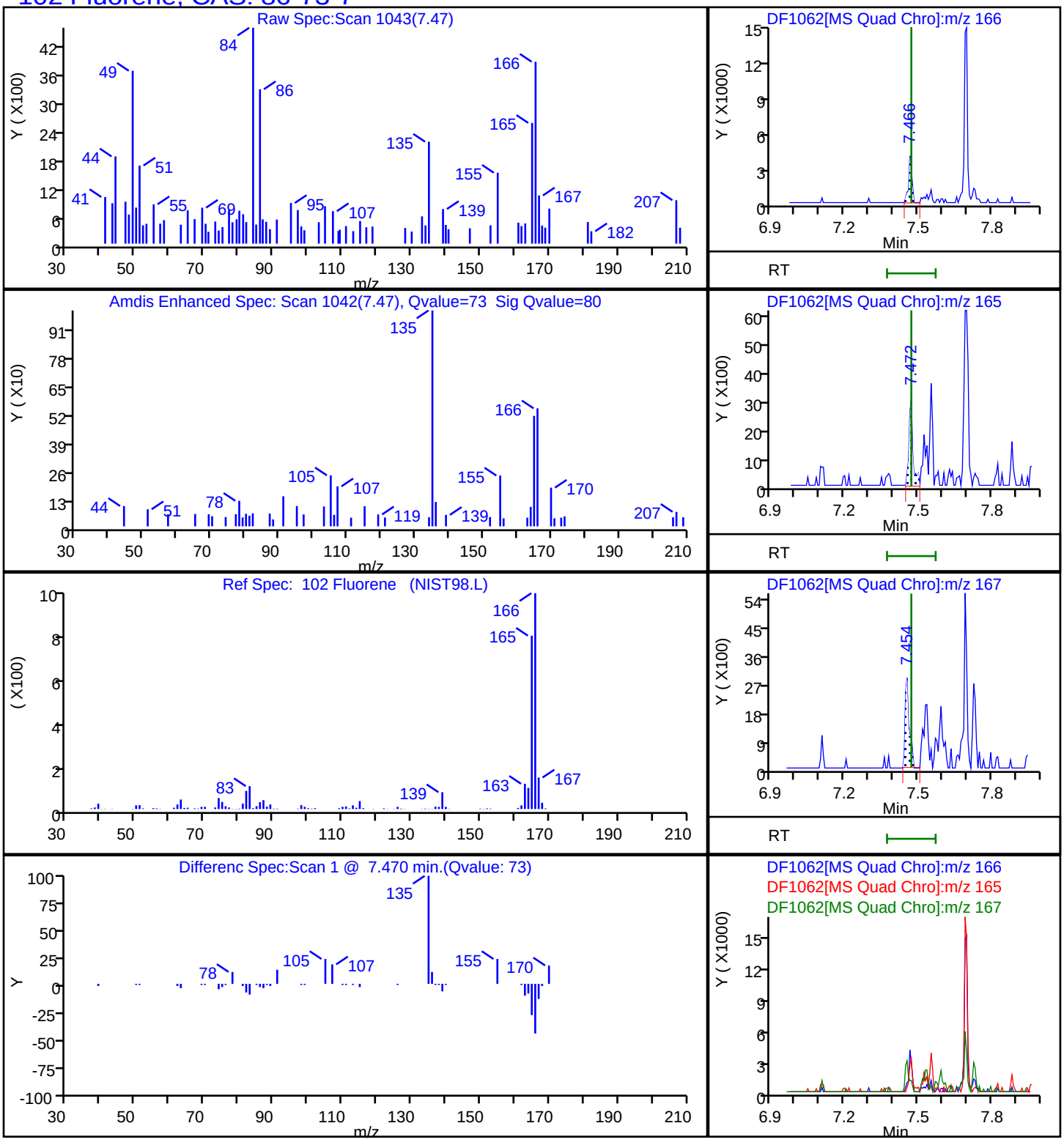


Report Date: 11-Jun-2025 15:44:05 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1062.D		
Injection Date:	10-Jun-2025 23:32:08	Instrument ID:	HP19760
Lims ID:	410-225004-F-3-A RE	Lab Sample ID:	410-225004-3
Client ID:	MW-6D		
Operator ID:	IR93211	ALS Bottle#:	11 Worklist Smp#: 13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

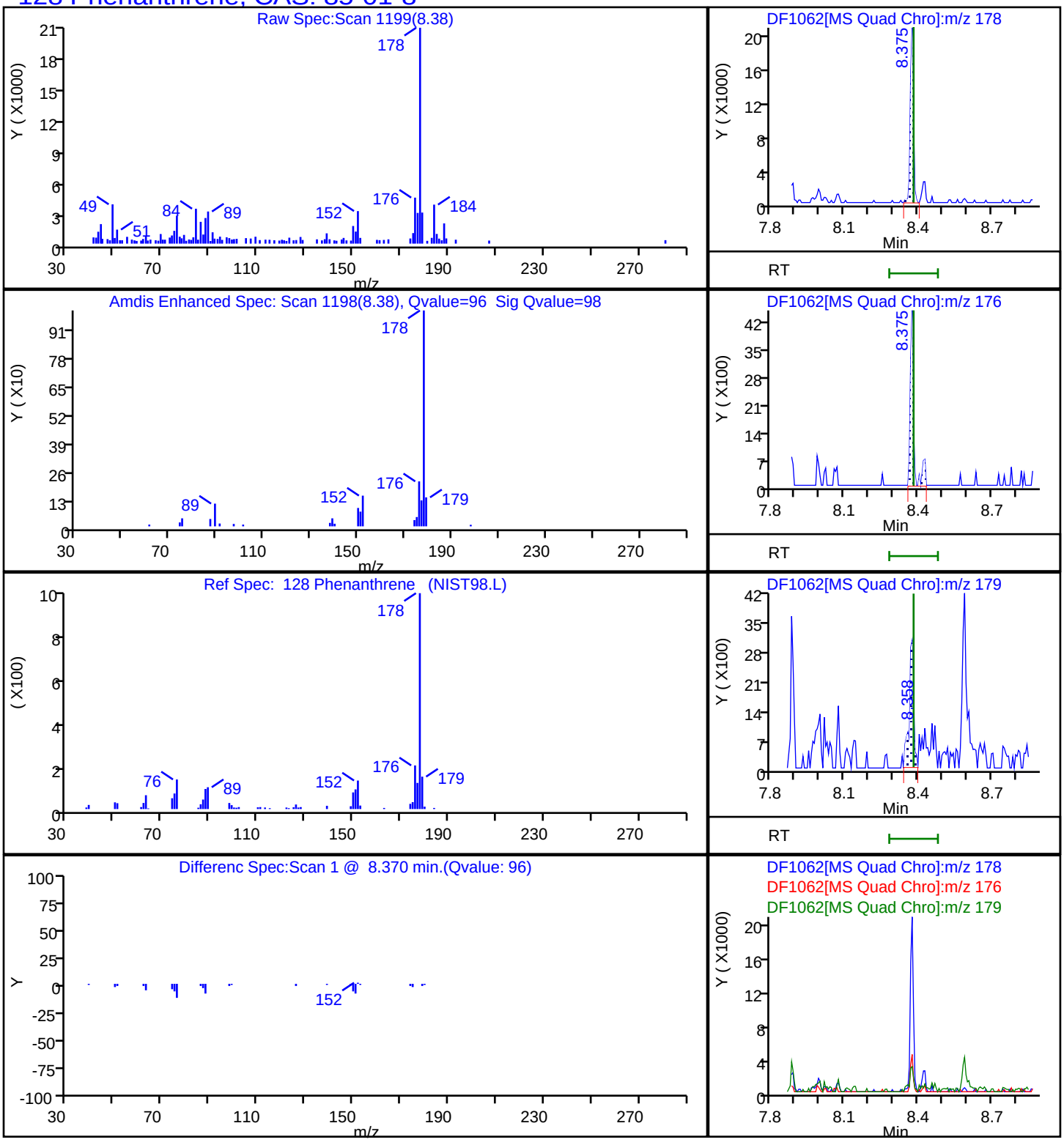
102 Fluorene, CAS: 86-73-7



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1062.D				
Injection Date:	10-Jun-2025 23:32:08	Instrument ID:	HP19760		
Lims ID:	410-225004-F-3-A RE	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

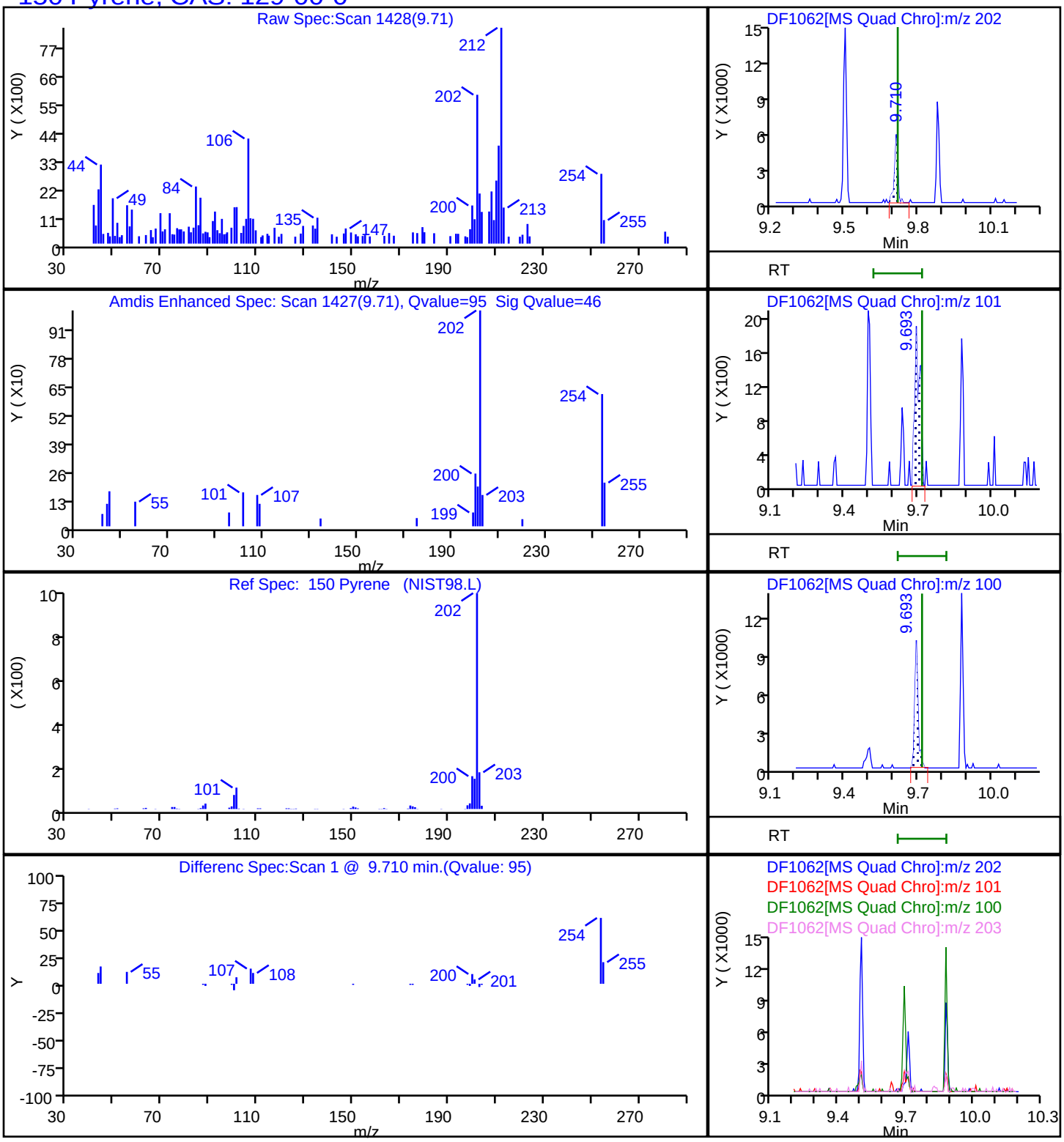
128 Phenanthrene, CAS: 85-01-8



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1062.D				
Injection Date:	10-Jun-2025 23:32:08	Instrument ID:	HP19760		
Lims ID:	410-225004-F-3-A RE	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

150 Pyrene, CAS: 129-00-0



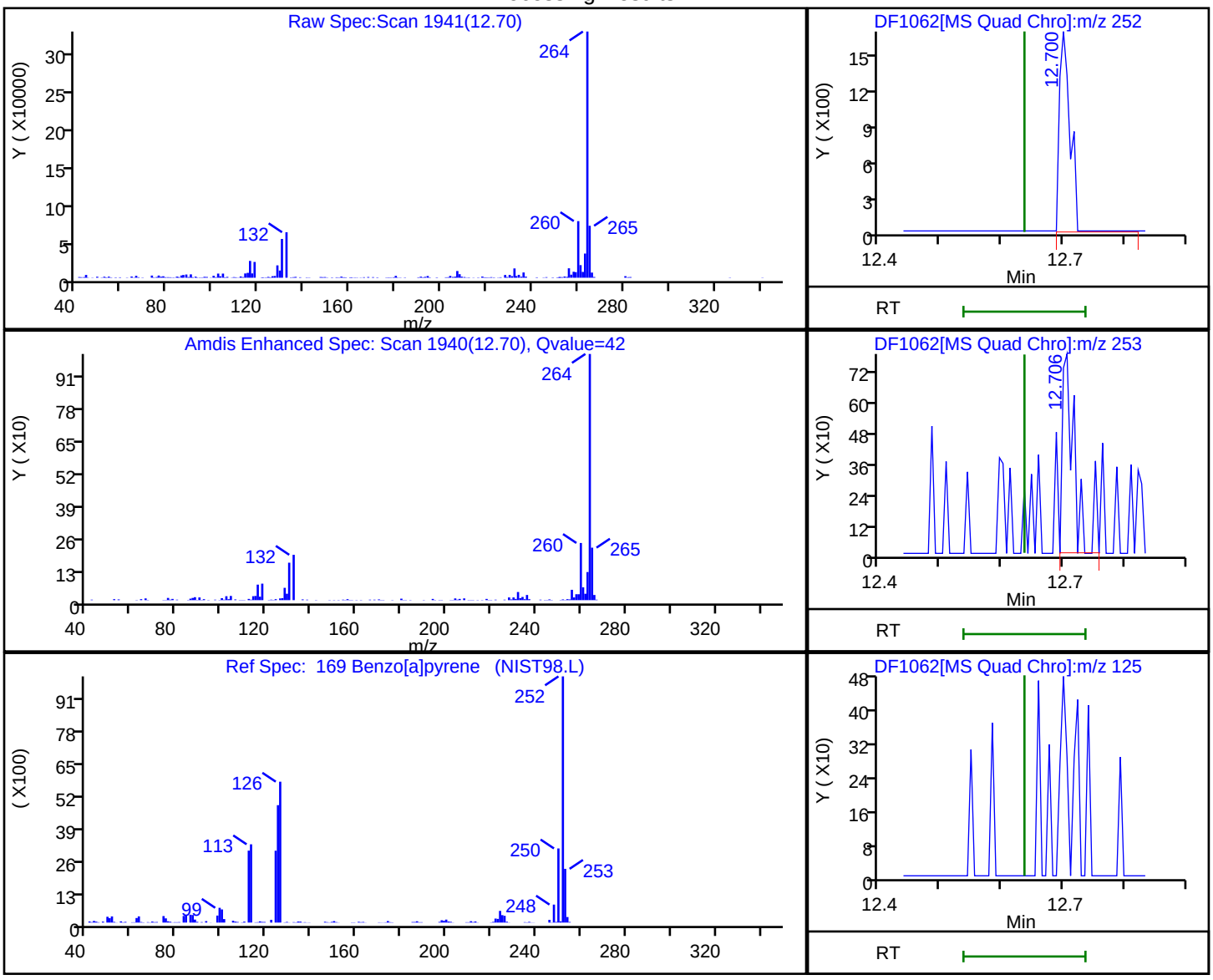
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1062.D				
Injection Date:	10-Jun-2025 23:32:08	Instrument ID:	HP19760		
Lims ID:	410-225004-F-3-A RE	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

169 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.70	252.00	1952	0.018350
12.71	253.00	1095	
12.64	125.00	0	

Reviewer: N5QU, 11-Jun-2025 15:35:15 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

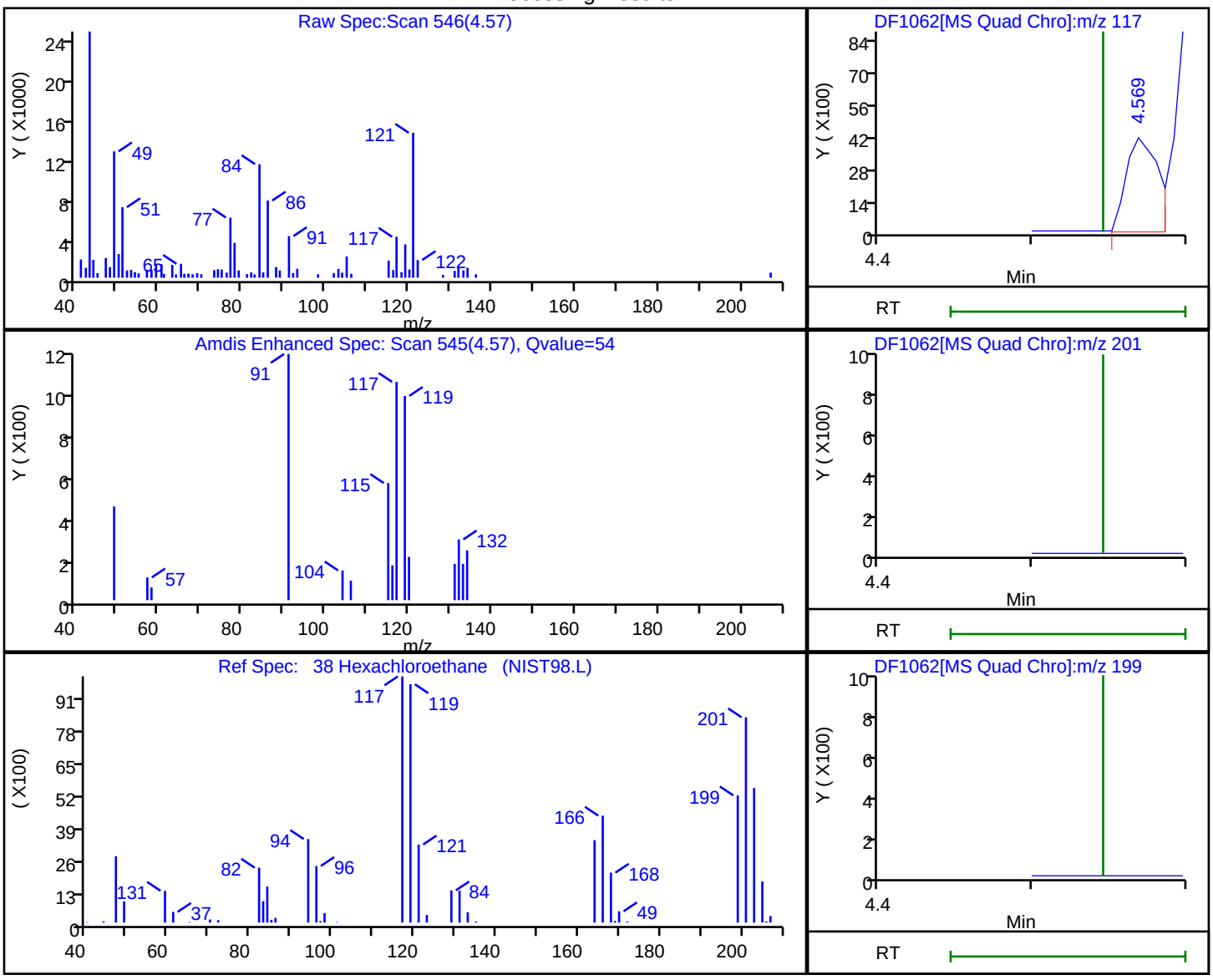
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1062.D		
Injection Date:	10-Jun-2025 23:32:08	Instrument ID:	HP19760
Lims ID:	410-225004-F-3-A RE	Lab Sample ID:	410-225004-3
Client ID:	MW-6D		
Operator ID:	IR93211	ALS Bottle#:	11 Worklist Smp#: 13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

38 Hexachloroethane, CAS: 67-72-1

Processing Results



RT	Mass	Response	Amount
4.57	117.00	5638	0.285246
4.55	201.00	0	
4.55	199.00	0	

Reviewer: N5QU, 11-Jun-2025 15:34:54 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

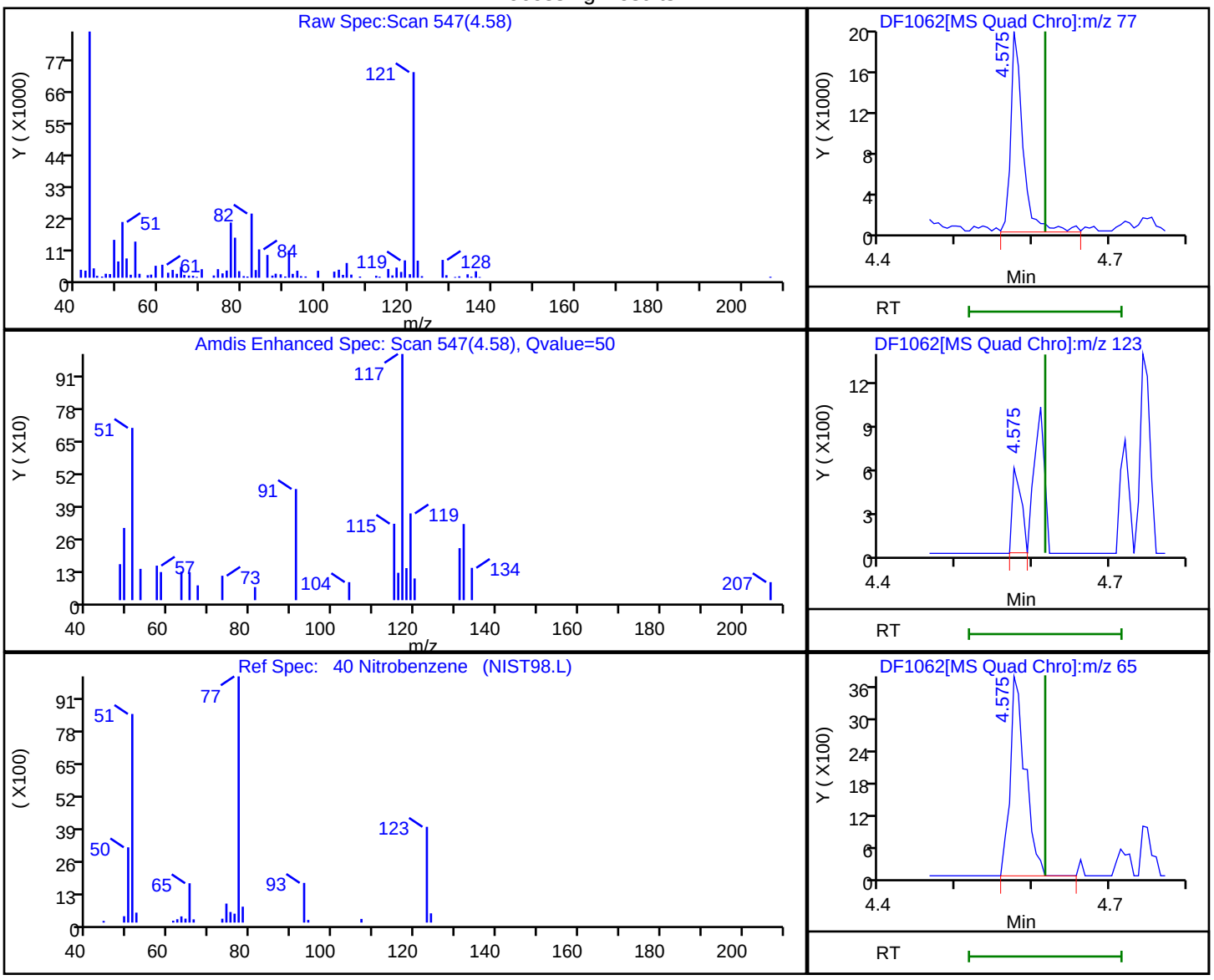
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1062.D				
Injection Date:	10-Jun-2025 23:32:08	Instrument ID:	HP19760		
Lims ID:	410-225004-F-3-A RE	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.58	77.00	21098	0.415401
4.58	123.00	459	
4.58	65.00	5238	

Reviewer: N5QU, 11-Jun-2025 15:34:56 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

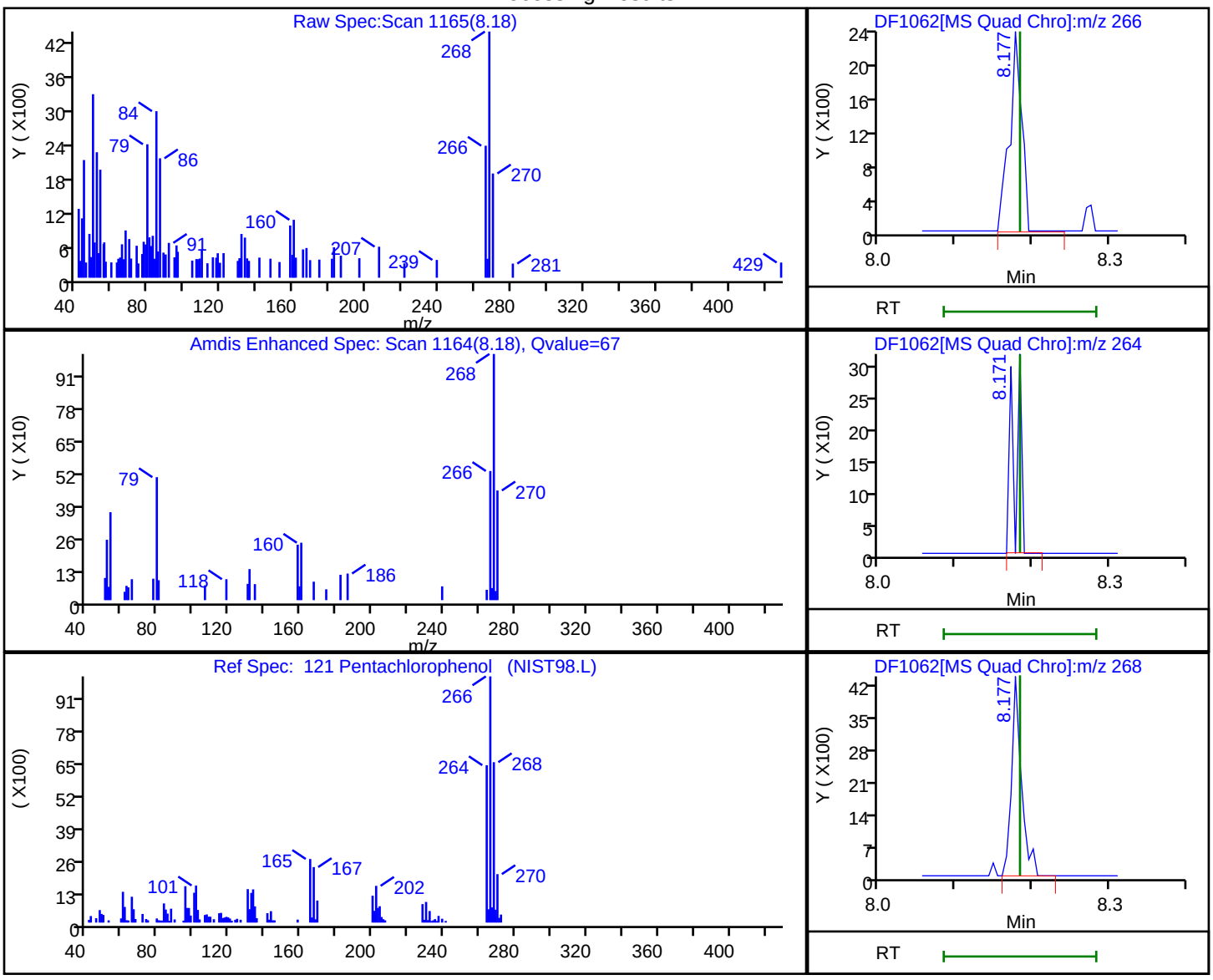
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1062.D				
Injection Date:	10-Jun-2025 23:32:08	Instrument ID:	HP19760		
Lims ID:	410-225004-F-3-A RE	Lab Sample ID:	410-225004-3		
Client ID:	MW-6D				
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

121 Pentachlorophenol, CAS: 87-86-5

Processing Results



RT	Mass	Response	Amount
8.18	266.00	2588	0.733590
8.17	264.00	216	
8.18	268.00	3942	

Reviewer: N5QU, 11-Jun-2025 15:35:08 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Matrix: Water
Lab File ID: JF0646.D

Analysis Method: 8270E
Date Collected: 05/29/2025 08:02

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 247.6(mL)
Date Analyzed: 06/06/2025 17:43

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		2.0	0.50
108-60-1	bis(1-chloroispropyl)ether	ND	cn	2.0	0.50
95-95-4	2,4,5-Trichlorophenol	ND		2.0	0.50
88-06-2	2,4,6-Trichlorophenol	ND		2.0	0.50
120-83-2	2,4-Dichlorophenol	ND		2.0	0.50
105-67-9	2,4-Dimethylphenol	ND		10	3.0
51-28-5	2,4-Dinitrophenol	ND		30	14
121-14-2	2,4-Dinitrotoluene	ND		5.0	1.0
606-20-2	2,6-Dinitrotoluene	ND		2.0	0.50
91-58-7	2-Chloronaphthalene	ND		1.0	0.40
95-57-8	2-Chlorophenol	ND		2.0	0.50
91-57-6	2-Methylnaphthalene	ND		0.50	0.10
95-48-7	2-Methylphenol	ND		2.0	0.50
88-74-4	2-Nitroaniline	ND		5.0	1.0
88-75-5	2-Nitrophenol	ND		5.0	1.0
91-94-1	3,3'-Dichlorobenzidine	ND	cn	10	4.0
99-09-2	3-Nitroaniline	ND		5.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	ND		21	8.1
101-55-3	4-Bromophenyl-phenylether	ND		2.0	0.50
59-50-7	4-Chloro-3-methylphenol	ND		5.0	1.0
106-47-8	4-Chloroaniline	ND		10	4.0
7005-72-3	4-Chlorophenyl-phenyl ether	ND		2.0	0.50
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND		2.0	0.50
100-01-6	4-Nitroaniline	ND		3.0	0.91
100-02-7	4-Nitrophenol	ND		30	10
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
98-86-2	Acetophenone	2.8	J	5.0	1.0
120-12-7	Anthracene	ND		0.50	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Matrix: Water
Lab File ID: JF0646.D

Analysis Method: 8270E
Date Collected: 05/29/2025 08:02

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 247.6(mL)
Date Analyzed: 06/06/2025 17:43

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND		5.0	1.0
100-52-7	Benzaldehyde	ND		5.0	1.0
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.11
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
85-68-7	Butylbenzylphthalate	ND		5.0	2.0
105-60-2	Caprolactam	ND		7.1	3.0
86-74-8	Carbazole	ND		2.0	0.50
218-01-9	Chrysene	ND		0.50	0.10
84-74-2	Di-n-butyl phthalate	ND		5.0	2.0
117-84-0	Di-n-octyl phthalate	ND		11	5.0
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
132-64-9	Dibenzofuran	ND		2.0	0.50
84-66-2	Diethyl phthalate	ND		5.0	2.0
131-11-3	Dimethyl phthalate	ND		5.0	2.0
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.12
118-74-1	Hexachlorobenzene	ND		0.50	0.11
87-68-3	Hexachlorobutadiene	ND		2.0	0.50
77-47-4	Hexachlorocyclopentadiene	ND		11	5.0
67-72-1	Hexachloroethane	ND		5.0	0.50
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.11
78-59-1	Isophorone	ND		2.0	0.50
621-64-7	N-Nitrosodi-n-propylamine	ND		2.0	0.50
86-30-6	N-Nitrosodiphenylamine	ND		2.0	0.50
91-20-3	Naphthalene	ND		0.50	0.26
98-95-3	Nitrobenzene	ND		2.0	0.50
87-86-5	Pentachlorophenol	ND		5.0	2.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Matrix: Water
Lab File ID: JF0646.D

Analysis Method: 8270E
Date Collected: 05/29/2025 08:02

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 247.6(mL)
Date Analyzed: 06/06/2025 17:43

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND		0.50	0.11
108-95-2	Phenol	ND		2.0	0.50
129-00-0	Pyrene	ND		0.50	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND		2.0	0.50
111-44-4	Bis(2-chloroethyl)ether	ND		2.0	0.50
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	36		13-134
321-60-8	2-Fluorobiphenyl (Surr)	70		45-120
367-12-4	2-Fluorophenol (Surr)	15		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	60		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	61		26-123
4165-62-2	Phenol-d5 (Surr)	10		10-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Matrix: Water
Lab File ID: JF0646.D

Analysis Method: 8270E
Date Collected: 05/29/2025 08:02

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 247.6(mL)
Date Analyzed: 06/06/2025 17:43

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

Number TICs Found: 4
TIC Result Total: 23

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	2.39	4.5	T J	
	Unknown	2.64	4.8	T J	
	Unknown	3.35	7.4	T J B	
	Unknown	3.41	6.3	T J	

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D
Lims ID: 410-225004-G-4-A
Client ID: MW-7D
Sample Type: Client
Inject. Date: 06-Jun-2025 17:43:30 ALS Bottle#: 25 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-4-A
Misc. Info.: 410-0149501-030
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:41:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 9 2-Fluorophenol	112	2.957	2.953	0.000	94	223424	3.84	
13 Benzaldehyde	77		3.792				ND	7
$ 15 Phenol-d5	99	3.874	3.869	0.000	94	211396	2.44	
16 Phenol	94		3.886				ND	7
18 Bis(2-chloroethyl)ether	93		3.962				ND	7
19 2-Chlorophenol	128		4.014				ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.207	4.213	-0.006	98	195959	5.00	
29 2-Methylphenol	108		4.476				ND	
30 2,2'-oxybis[1-chloropropane]	45		4.481				ND	7
32 Acetophenone	105	4.604	4.598	0.000	92	71181	0.6958	
33 N-Nitrosodi-n-propylamine	70		4.610				ND	U
34 4-Methylphenol	108		4.627				ND	7
37 Hexachloroethane	117		4.698				ND	7
$ 39 Nitrobenzene-d5	82	4.744	4.745	-0.006	89	1296404	14.9	
40 Nitrobenzene	77		4.768				ND	U
42 Isophorone	82		5.001				ND	7
43 2-Nitrophenol	139		5.077				ND	7
44 2,4-Dimethylphenol	107		5.135				ND	7
47 Bis(2-chloroethoxy)methane	93		5.223				ND	
49 2,4-Dichlorophenol	162		5.316				ND	7
* 52 Naphthalene-d8	136	5.433	5.439	-0.006	99	696268	5.00	
53 Naphthalene	128		5.457				ND	U
56 4-Chloroaniline	127		5.527				ND	7
59 Hexachlorobutadiene	225		5.579				ND	7
62 Caprolactam	113		5.854				ND	
65 4-Chloro-3-methylphenol	107		6.011				ND	7
67 2-Methylnaphthalene	142		6.128				ND	7
71 Hexachlorocyclopentadiene	237		6.274				ND	
79 2,4,6-Trichlorophenol	196		6.408				ND	
80 2,4,5-Trichlorophenol	196		6.449				ND	
$ 81 2-Fluorobiphenyl (Surr)	172	6.478	6.479	-0.006	99	1804679	17.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
83 1,1'-Biphenyl	154		6.578				ND	7
84 2-Chloronaphthalene	162		6.589				ND	7
87 2-Nitroaniline	138		6.700				ND	7
90 Dimethyl phthalate	163		6.881				ND	7
92 2,6-Dinitrotoluene	165		6.940				ND	
93 Acenaphthylene	152		6.986				ND	7
95 3-Nitroaniline	138		7.097				ND	
* 96 Acenaphthene-d10	164	7.115	7.121	-0.006	96	364450	5.00	
97 Acenaphthene	153		7.150				ND	7
98 2,4-Dinitrophenol	184		7.197				ND	7
100 4-Nitrophenol	109		7.290				ND	7
101 Dibenzofuran	168		7.313				ND	7
102 2,4-Dinitrotoluene	165		7.319				ND	7
107 Diethyl phthalate	149		7.559				ND	7
108 Fluorene	166		7.640				ND	7
110 4-Chlorophenyl phenyl ether	204		7.652				ND	7
112 4-Nitroaniline	138		7.681				ND	
113 4,6-Dinitro-2-methylphenol	198		7.705				ND	7
114 N-Nitrosodiphenylamine	169		7.769				ND	U
$ 116 2,4,6-Tribromophenol	330	7.868	7.868	-0.006	91	188665	8.98	
122 4-Bromophenyl phenyl ether	248		8.113				ND	7
124 Hexachlorobenzene	284		8.160				ND	7
126 Atrazine	200		8.289				ND	7
127 Pentachlorophenol	266		8.359				ND	7
* 131 Phenanthrene-d10	188	8.522	8.534	-0.012	98	688477	5.00	
132 Phenanthrene	178		8.551				ND	7
135 Anthracene	178		8.604				ND	7
136 Carbazole	167		8.767				ND	7
138 Di-n-butyl phthalate	149		9.118				ND	7
144 Fluoranthene	202		9.684				ND	7
* 146 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	99	700838	5.00	
147 Pyrene	202		9.900				ND	7
$ 148 p-Terphenyl-d14	244	10.058	10.058	-0.006	98	1716820	15.4	
153 Butyl benzyl phthalate	149		10.572				ND	7
157 3,3'-Dichlorobenzidine	252		11.138				ND	7
156 Benzo[a]anthracene	228		11.138				ND	7
159 Chrysene	228		11.185				ND	7
160 Bis(2-ethylhexyl) phthalate	149		11.237				ND	7
162 Di-n-octyl phthalate	149		12.066				ND	7
164 Benzo[b]fluoranthene	252		12.498				ND	U
165 Benzo[k]fluoranthene	252		12.534				ND	U
166 Benzo[a]pyrene	252		12.936				ND	U
* 167 Perylene-d12	264	13.006	13.012	-0.006	98	672479	5.00	
171 Indeno[1,2,3-cd]pyrene	276		14.525				ND	7
172 Dibenz(a,h)anthracene	278		14.565				ND	7
173 Benzo[g,h,i]perylene	276		14.869				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D				
Lims ID:	410-225004-G-4-A				
Client ID:	MW-7D				
Sample Type:	Client				
Inject. Date:	06-Jun-2025 17:43:30	ALS Bottle#:	25	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-G-4-A				
Misc. Info.:	410-0149501-030				
Operator ID:	CJS101602	Instrument ID:	HP23264		
Method:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	06-Jun-2025 19:44:11	Calib Date:	05-Jun-2025 10:35:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	20.00000		
MS Library:	\\chromfs\Lancaster\Database\NIST98.L				
Min. Match:	85				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1703				
First Level Reviewer: N5QU		Date:	06-Jun-2025 19:41:39		

Tentative Identified Compound Results

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
	Unknown							
2.385	289244	1.11	22					
	Unknown							
2.642	308030	1.18	22					
	Unknown							
3.349	480434	1.84	22					
	Unknown							
3.413	408820	1.56	22					

Quantitation Compounds

Compound	RT	Area	Amount ug/ml
* 22 1,4-Dichlorobenzene-d4	4.207	1308154	5.00

QC Flag Legend

Processing Flags

Reagents:

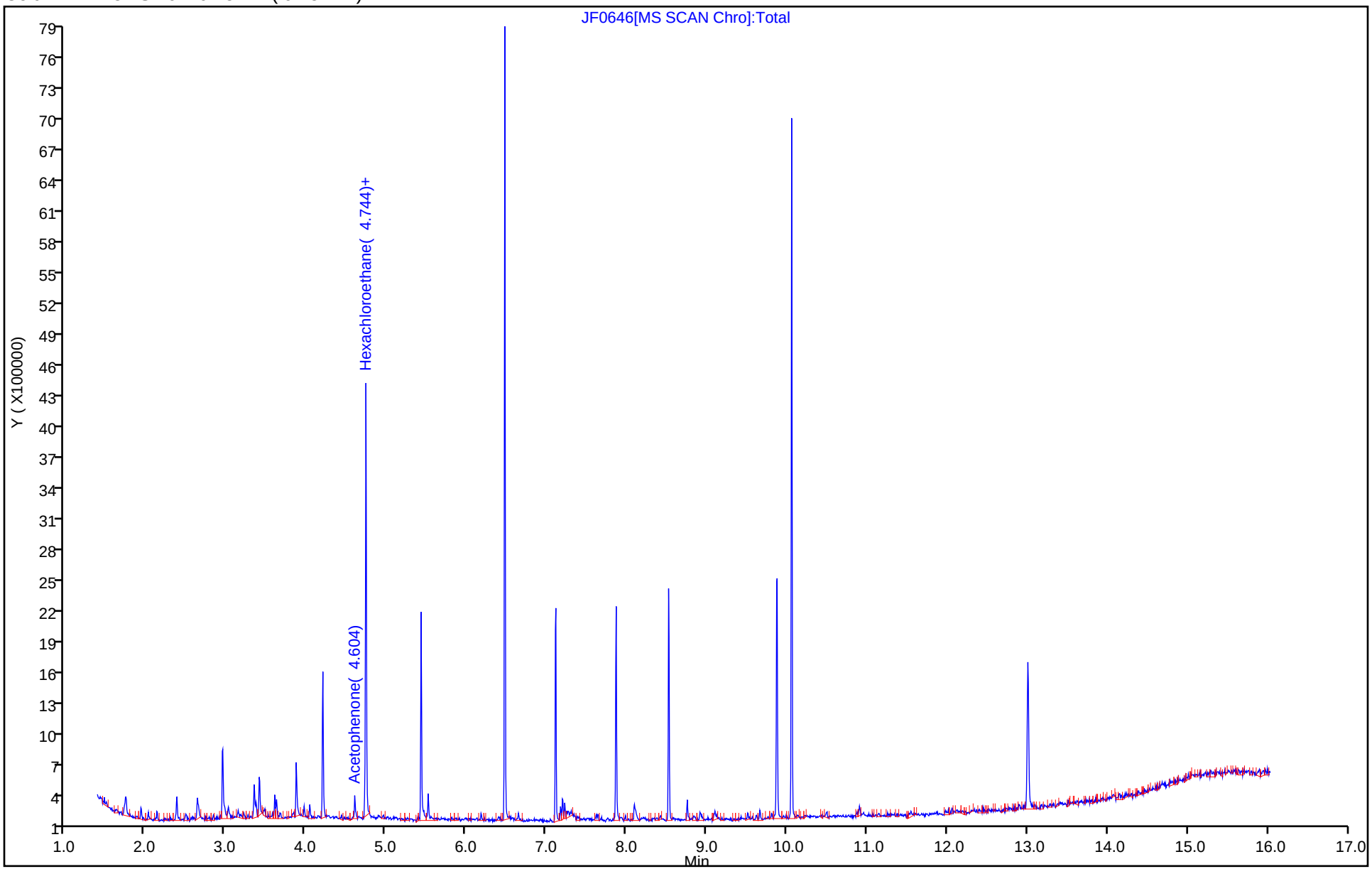
MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Jun-2025 19:44:30 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D				
Injection Date:	06-Jun-2025 17:43:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-225004-G-4-A	Lab Sample ID:	410-225004-4	Worklist Smp#:	30
Client ID:	MW-7D				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D
Lims ID: 410-225004-G-4-A
Client ID: MW-7D
Sample Type: Client
Inject. Date: 06-Jun-2025 17:43:30 ALS Bottle#: 25 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-4-A
Misc. Info.: 410-0149501-030
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:41:39

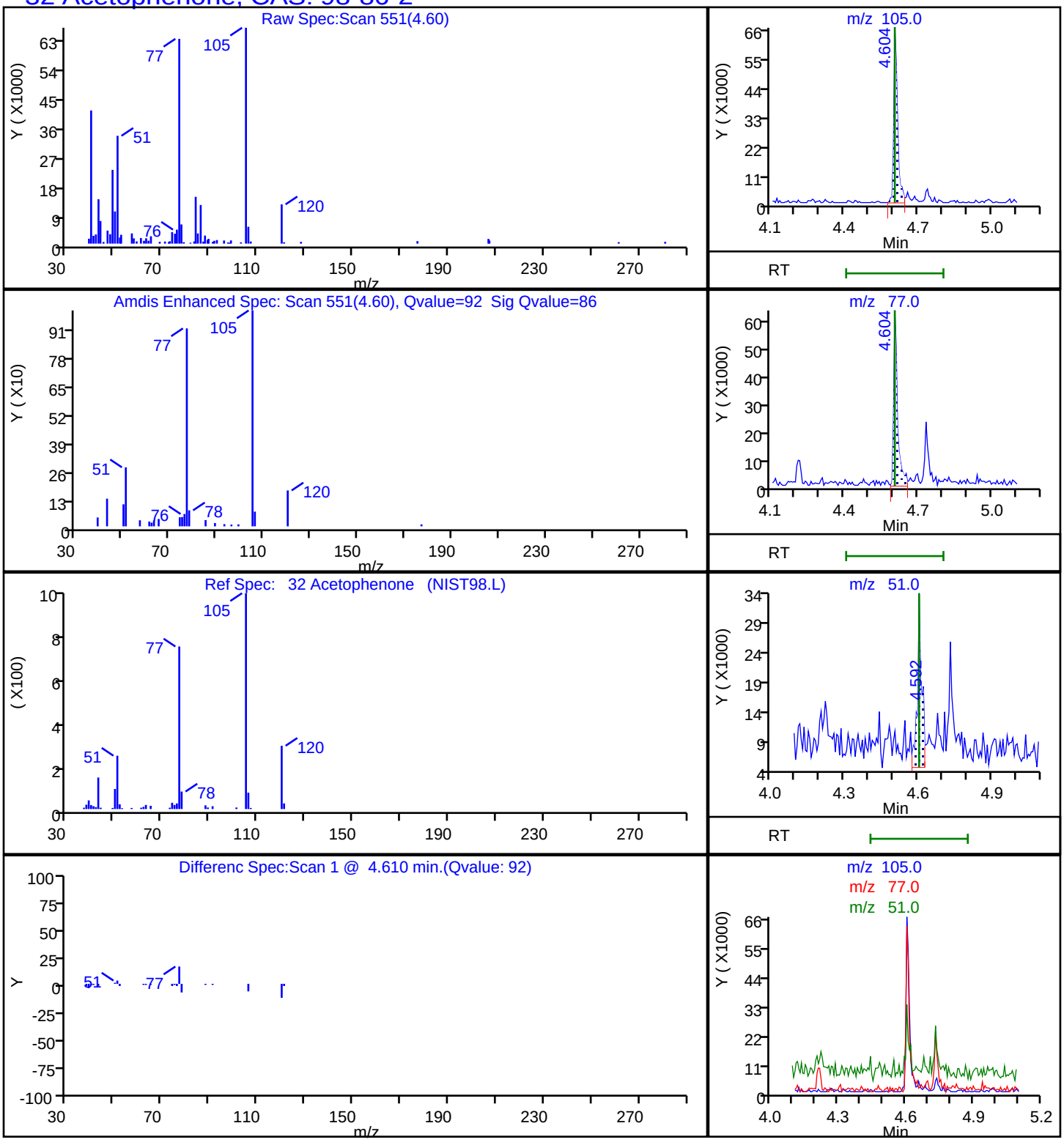
Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	3.84	15.36
$ 15 Phenol-d5	25.0	2.44	9.75
$ 39 Nitrobenzene-d5	25.0	14.9	59.64
$ 81 2-Fluorobiphenyl (Surr)	25.0	17.6	70.28
$ 116 2,4,6-Tribromophenol	25.0	8.98	35.93
$ 148 p-Terphenyl-d14	25.0	15.4	61.48

Report Date: 06-Jun-2025 19:44:31 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D				
Injection Date:	06-Jun-2025 17:43:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-4-A	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

32 Acetophenone, CAS: 98-86-2



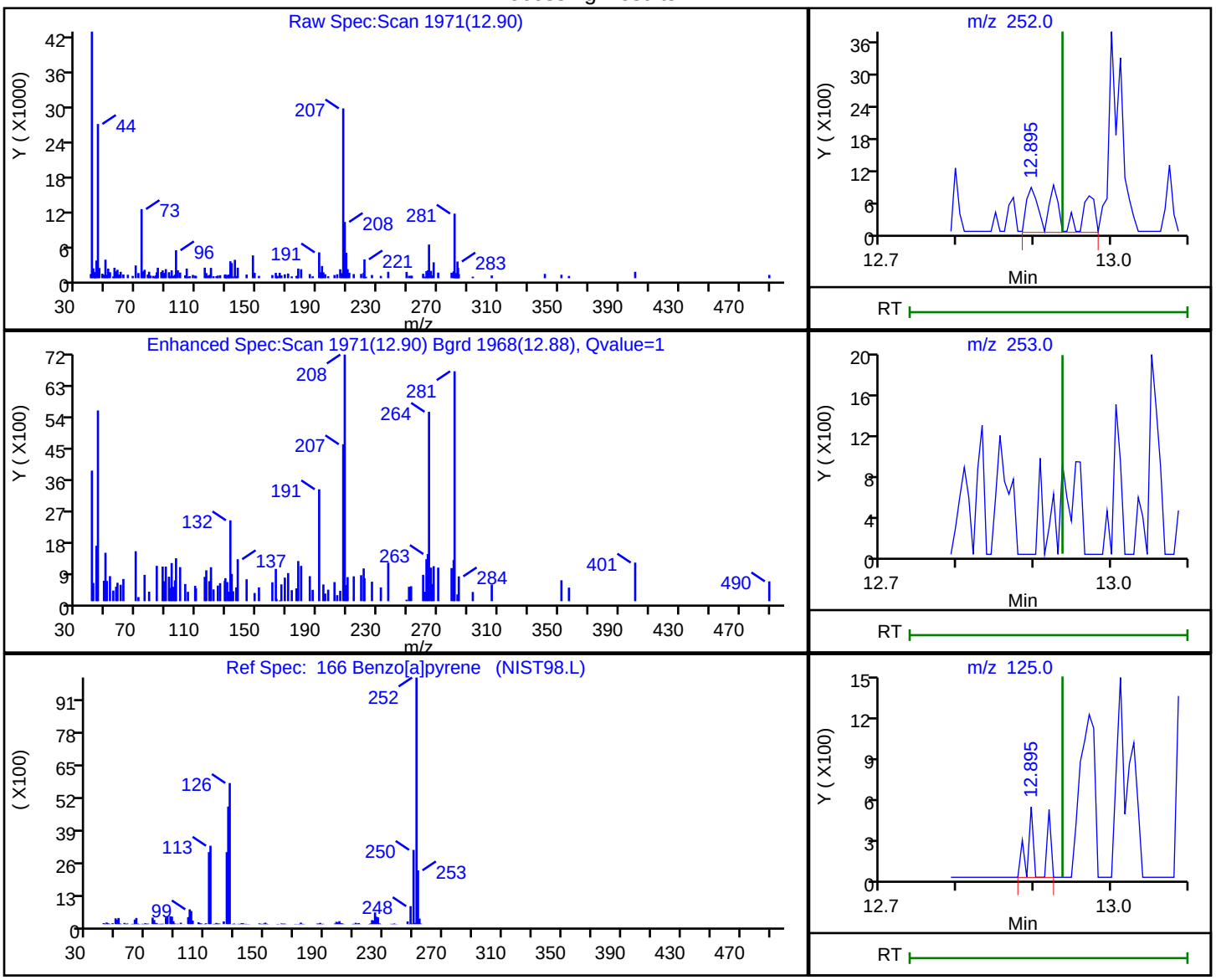
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D		
Injection Date:	06-Jun-2025 17:43:30	Instrument ID:	HP23264
Lims ID:	410-225004-G-4-A	Lab Sample ID:	410-225004-4
Client ID:	MW-7D		
Operator ID:	CJS101602	ALS Bottle#:	25 Worklist Smp#: 30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

166 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.90	252.00	2276	0.014007
12.94	253.00	0	
12.90	125.00	453	

Reviewer: N5QU, 06-Jun-2025 19:41:02 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

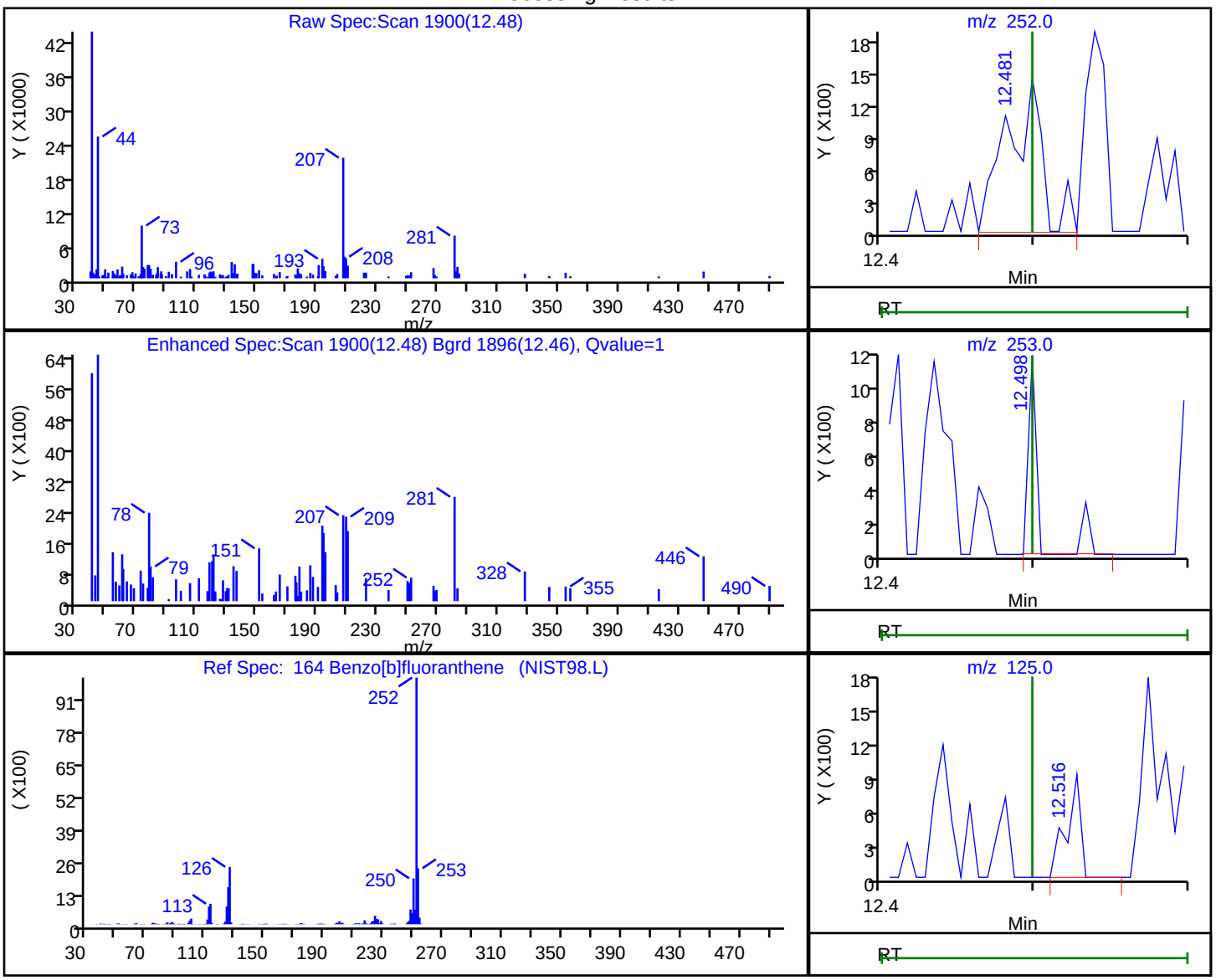
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D				
Injection Date:	06-Jun-2025 17:43:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-4-A	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

164 Benzo[b]fluoranthene, CAS: 205-99-2

Processing Results



RT	Mass	Response	Amount
12.48	252.00	2227	0.014215
12.50	253.00	482	
12.52	125.00	566	

Reviewer: N5QU, 06-Jun-2025 19:41:00 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

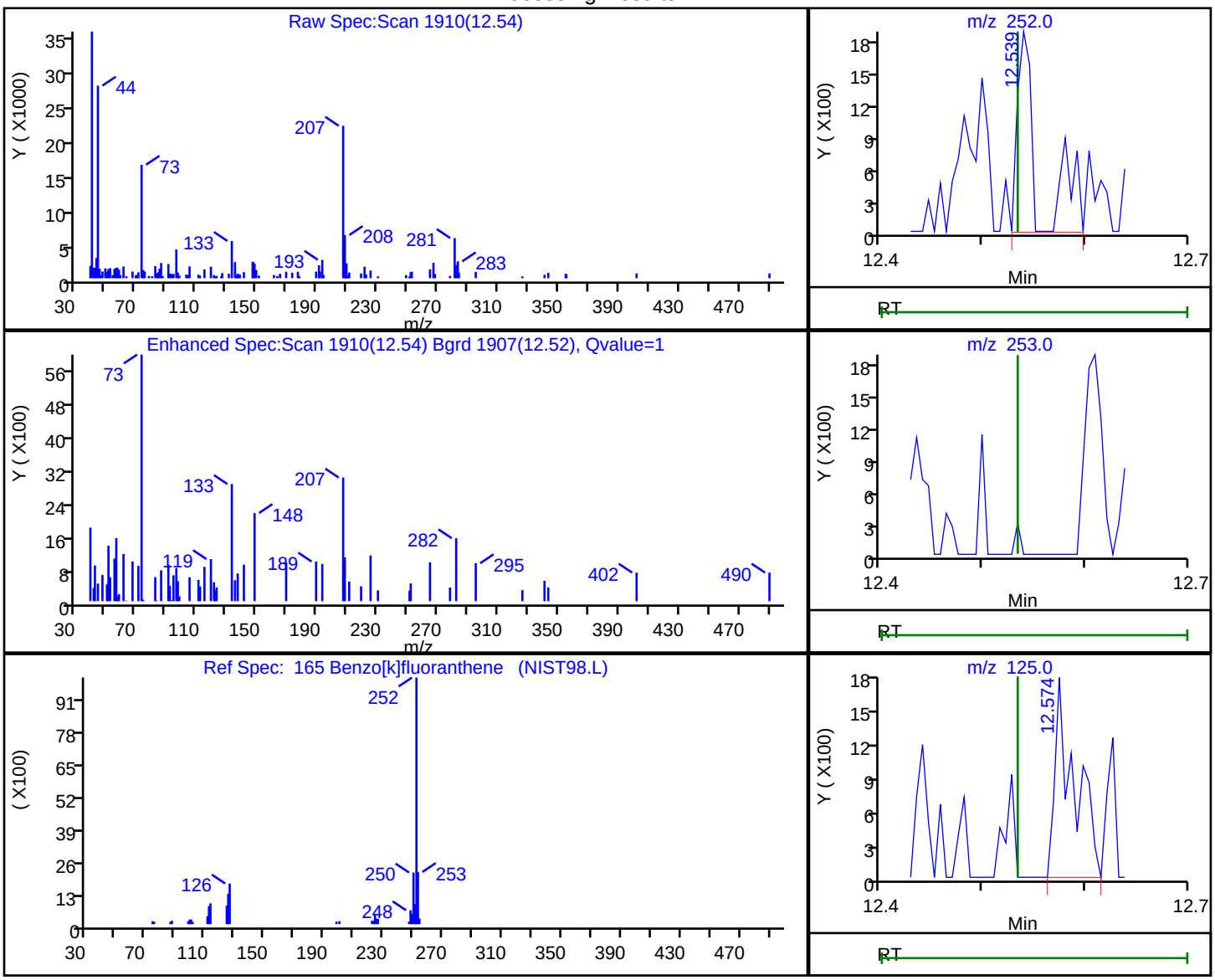
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D				
Injection Date:	06-Jun-2025 17:43:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-4-A	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

165 Benzo[k]fluoranthene, CAS: 207-08-9

Processing Results



RT	Mass	Response	Amount
12.54	252.00	2434	0.015351
12.53	253.00	0	
12.57	125.00	2300	

Reviewer: N5QU, 06-Jun-2025 19:41:01 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

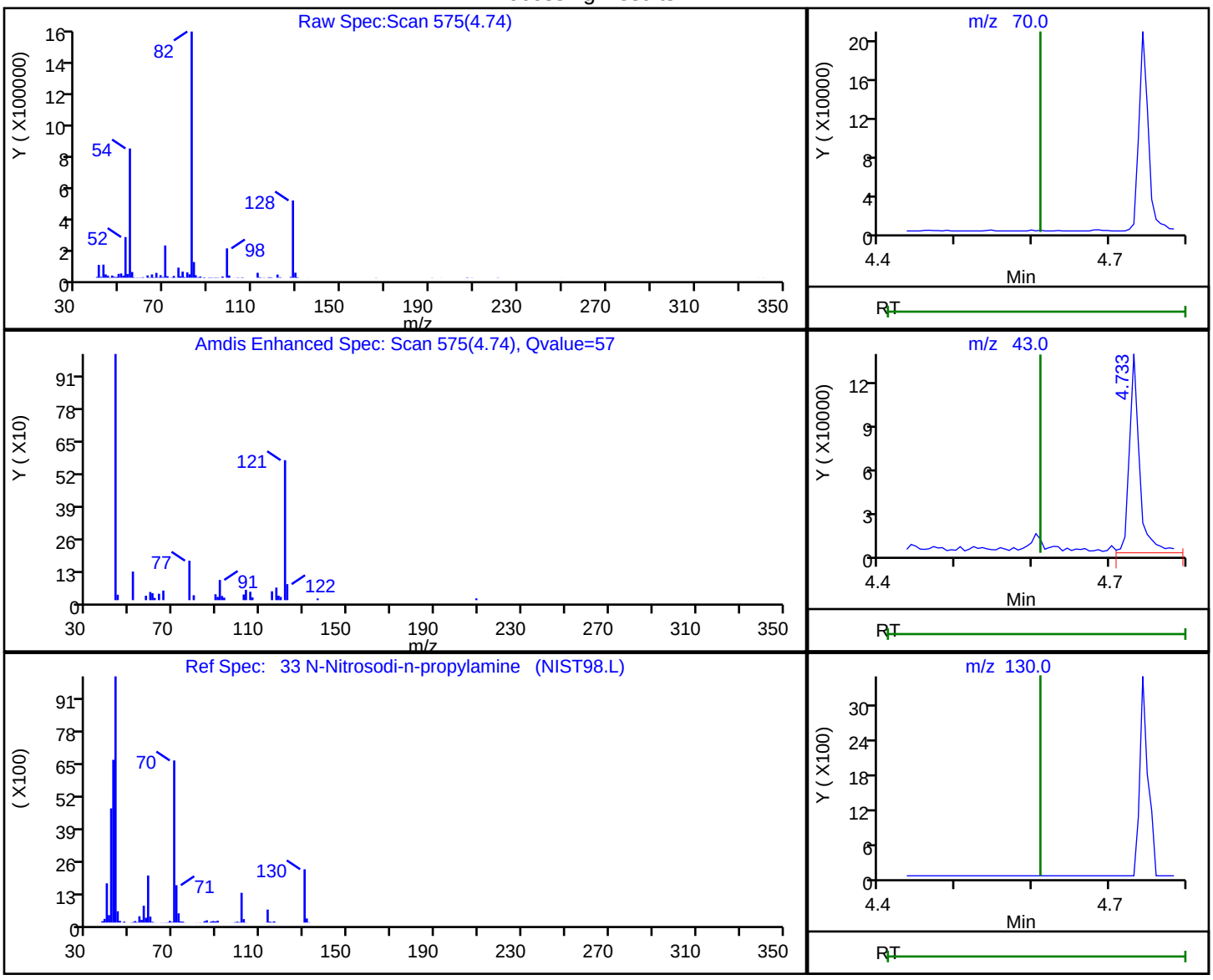
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D				
Injection Date:	06-Jun-2025 17:43:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-4-A	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

33 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Processing Results



RT	Mass	Response	Amount
4.74	70.00	177715	2.861463
4.73	43.00	128519	
4.74	130.00	2601	

Reviewer: N5QU, 06-Jun-2025 19:40:36 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

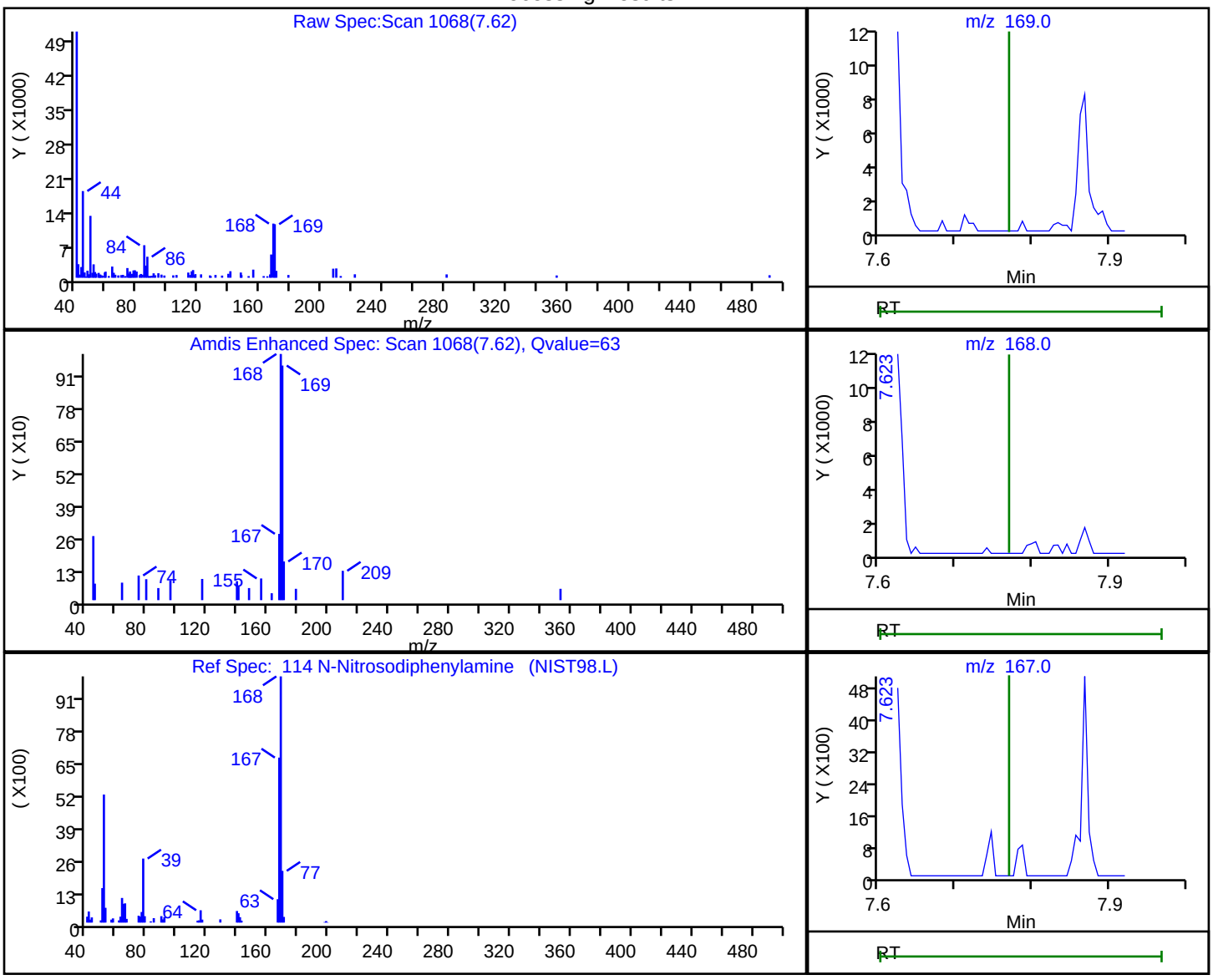
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D				
Injection Date:	06-Jun-2025 17:43:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-4-A	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

114 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.62	169.00	10155	0.125802
7.62	168.00	10482	
7.62	167.00	3482	

Reviewer: N5QU, 06-Jun-2025 19:40:54 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

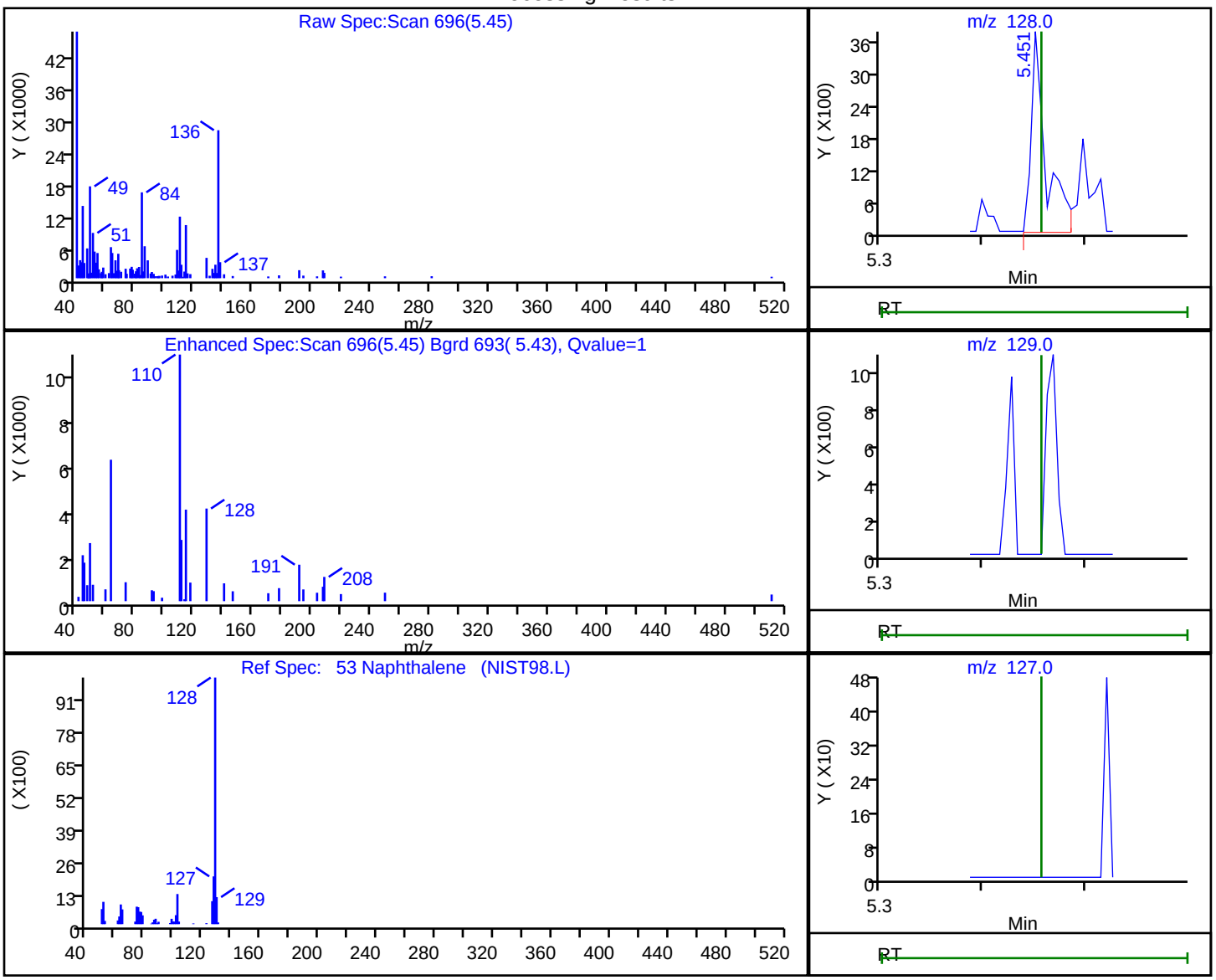
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D				
Injection Date:	06-Jun-2025 17:43:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-4-A	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

53 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
5.45	128.00	3688	0.024818
5.46	129.00	0	
5.46	127.00	0	

Reviewer: N5QU, 06-Jun-2025 19:40:48 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

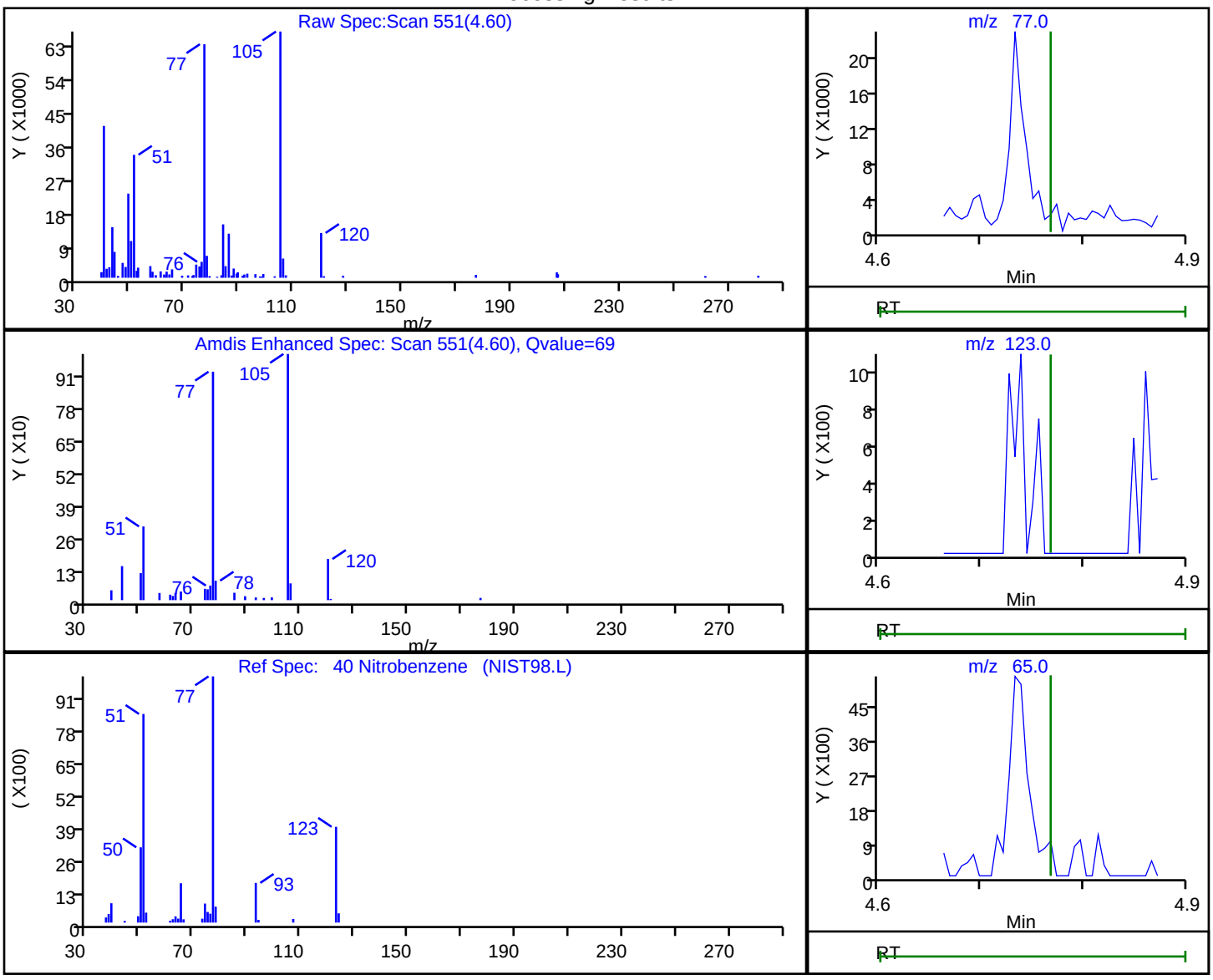
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D				
Injection Date:	06-Jun-2025 17:43:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-4-A	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.60	77.00	68385	0.802209
4.77	123.00	0	
4.61	65.00	3472	

Reviewer: N5QU, 06-Jun-2025 19:40:41 -04:00:00 (UTC)

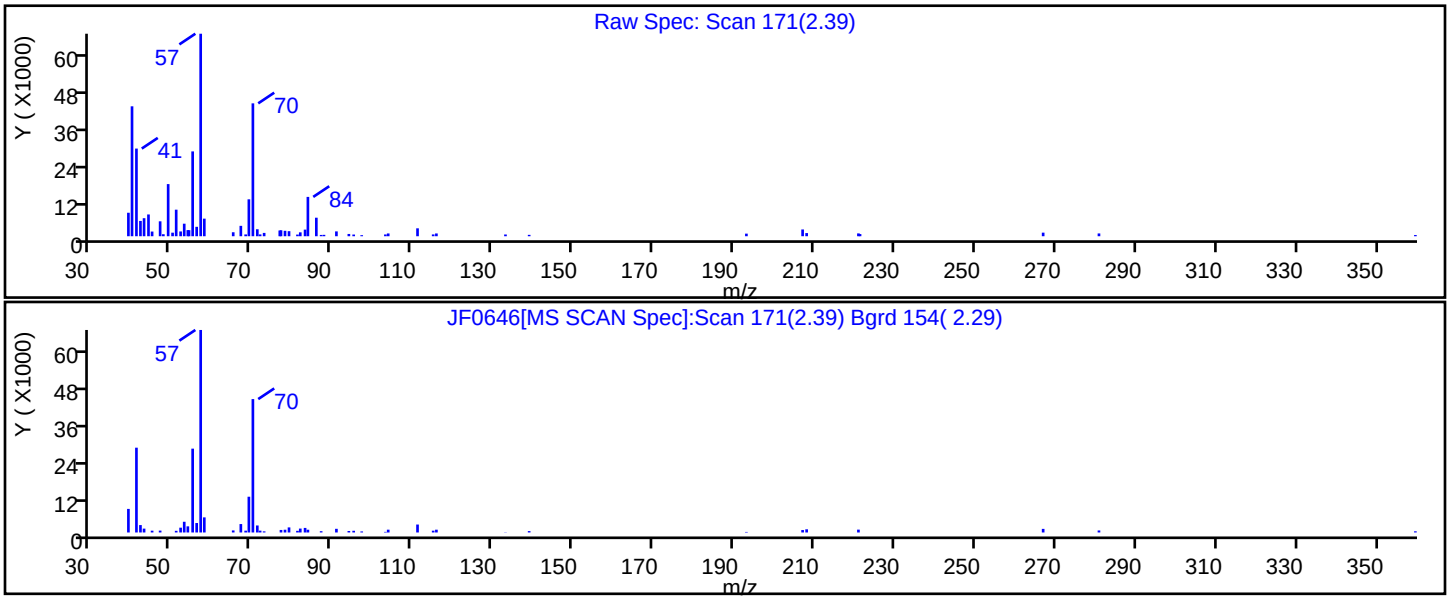
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 06-Jun-2025 19:44:31 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D				
Injection Date:	06-Jun-2025 17:43:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-4-A	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

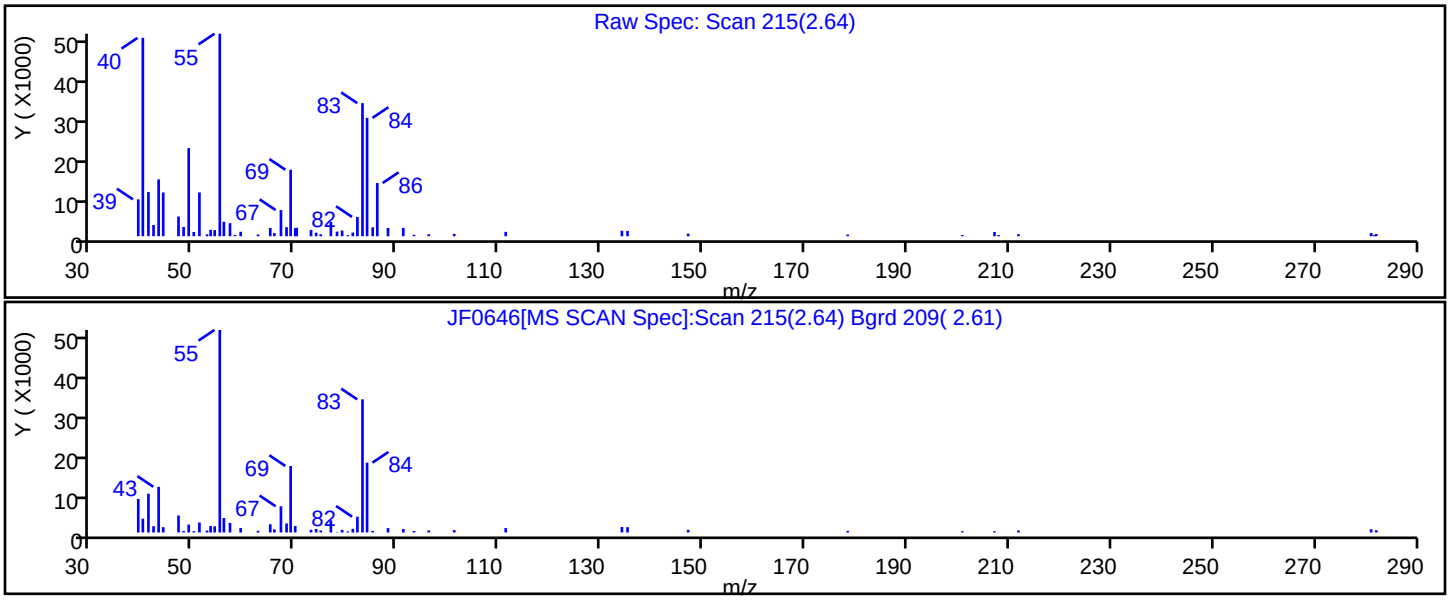


Report Date: 06-Jun-2025 19:44:31 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D				
Injection Date:	06-Jun-2025 17:43:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-4-A	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

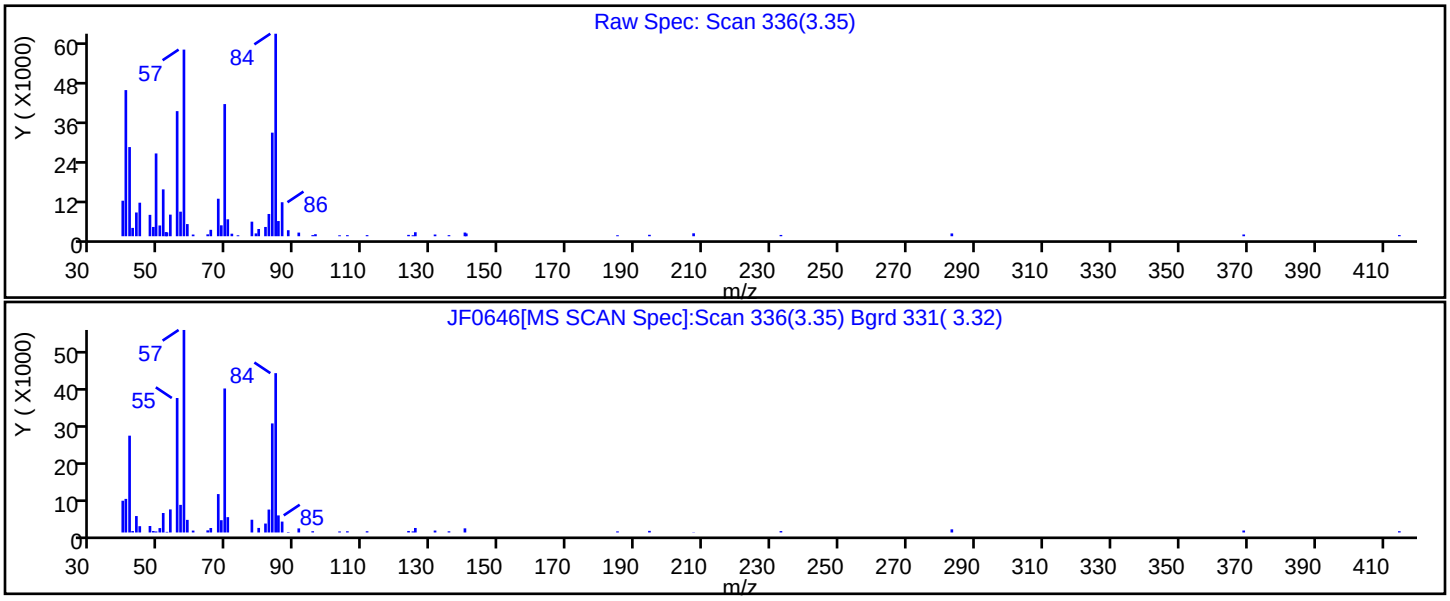


Report Date: 06-Jun-2025 19:44:31 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D				
Injection Date:	06-Jun-2025 17:43:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-4-A	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

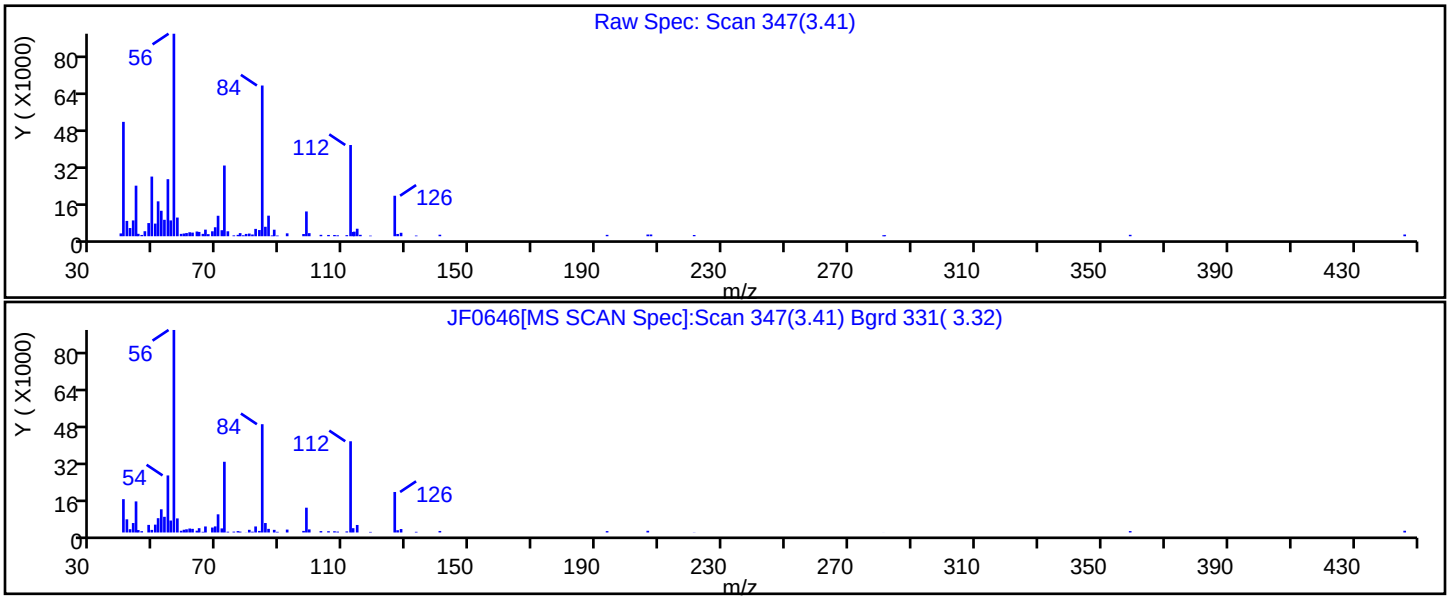


Report Date: 06-Jun-2025 19:44:31 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0646.D				
Injection Date:	06-Jun-2025 17:43:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-4-A	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5

Matrix: Water
Lab File ID: JF0647.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:25

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 243.3(mL)
Date Analyzed: 06/06/2025 18:04

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		2.1	0.51
108-60-1	bis(1-chloroispropyl)ether	ND	cn	2.1	0.51
95-95-4	2,4,5-Trichlorophenol	ND		2.1	0.51
88-06-2	2,4,6-Trichlorophenol	ND		2.1	0.51
120-83-2	2,4-Dichlorophenol	ND		2.1	0.51
105-67-9	2,4-Dimethylphenol	ND		10	3.1
51-28-5	2,4-Dinitrophenol	ND		31	14
121-14-2	2,4-Dinitrotoluene	ND		5.1	1.0
606-20-2	2,6-Dinitrotoluene	ND		2.1	0.51
91-58-7	2-Chloronaphthalene	ND		1.0	0.41
95-57-8	2-Chlorophenol	ND		2.1	0.51
91-57-6	2-Methylnaphthalene	ND		0.51	0.10
95-48-7	2-Methylphenol	ND		2.1	0.51
88-74-4	2-Nitroaniline	ND		5.1	1.0
88-75-5	2-Nitrophenol	ND		5.1	1.0
91-94-1	3,3'-Dichlorobenzidine	ND	cn	10	4.1
99-09-2	3-Nitroaniline	ND		5.1	2.1
534-52-1	4,6-Dinitro-2-methylphenol	ND		22	8.2
101-55-3	4-Bromophenyl-phenylether	ND		2.1	0.51
59-50-7	4-Chloro-3-methylphenol	ND		5.1	1.0
106-47-8	4-Chloroaniline	ND		10	4.1
7005-72-3	4-Chlorophenyl-phenyl ether	ND		2.1	0.51
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND		2.1	0.51
100-01-6	4-Nitroaniline	ND		3.1	0.92
100-02-7	4-Nitrophenol	ND		31	10
83-32-9	Acenaphthene	8.0	B cn	0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
98-86-2	Acetophenone	ND		5.1	1.0
120-12-7	Anthracene	0.12	J	0.51	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5

Matrix: Water
Lab File ID: JF0647.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:25

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 243.3(mL)
Date Analyzed: 06/06/2025 18:04

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND		5.1	1.0
100-52-7	Benzaldehyde	ND		5.1	1.0
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.11
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
85-68-7	Butylbenzylphthalate	ND		5.1	2.1
105-60-2	Caprolactam	ND		7.2	3.1
86-74-8	Carbazole	ND		2.1	0.51
218-01-9	Chrysene	ND		0.51	0.10
84-74-2	Di-n-butyl phthalate	ND		5.1	2.1
117-84-0	Di-n-octyl phthalate	ND		11	5.1
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
132-64-9	Dibenzofuran	ND		2.1	0.51
84-66-2	Diethyl phthalate	ND		5.1	2.1
131-11-3	Dimethyl phthalate	ND		5.1	2.1
206-44-0	Fluoranthene	0.47	J	0.51	0.10
86-73-7	Fluorene	0.21	J B cn	0.51	0.12
118-74-1	Hexachlorobenzene	ND		0.51	0.11
87-68-3	Hexachlorobutadiene	ND		2.1	0.51
77-47-4	Hexachlorocyclopentadiene	ND		11	5.1
67-72-1	Hexachloroethane	ND		5.1	0.51
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.11
78-59-1	Isophorone	ND		2.1	0.51
621-64-7	N-Nitrosodi-n-propylamine	ND		2.1	0.51
86-30-6	N-Nitrosodiphenylamine	ND		2.1	0.51
91-20-3	Naphthalene	ND		0.51	0.27
98-95-3	Nitrobenzene	ND		2.1	0.51

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5

Matrix: Water
Lab File ID: JF0647.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:25

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 243.3(mL)
Date Analyzed: 06/06/2025 18:04

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	ND		5.1	2.7
85-01-8	Phenanthrene	0.71		0.51	0.11
108-95-2	Phenol	ND		2.1	0.51
129-00-0	Pyrene	0.20	J B cn	0.51	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND		2.1	0.51
111-44-4	Bis(2-chloroethyl)ether	ND		2.1	0.51
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.1	2.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	59		13-134
321-60-8	2-Fluorobiphenyl (Surr)	76		45-120
367-12-4	2-Fluorophenol (Surr)	37		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	71		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	49		26-123
4165-62-2	Phenol-d5 (Surr)	24		10-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5

Matrix: Water
Lab File ID: JF0647.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:25

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 243.3(mL)
Date Analyzed: 06/06/2025 18:04

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

Number TICs Found: 3
TIC Result Total: 19.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	2.38	4.6	T J	
	Unknown	2.64	6.5	T J	
	Unknown	3.35	8.8	T J B	

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D
Lims ID: 410-225004-G-5-A
Client ID: MW-8
Sample Type: Client
Inject. Date: 06-Jun-2025 18:04:30 ALS Bottle#: 26 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-5-A
Misc. Info.: 410-0149501-031
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:42:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 9 2-Fluorophenol	112	2.952	2.953	-0.005	96	590709	9.16	
13 Benzaldehyde	77		3.792				ND	7
$ 15 Phenol-d5	99	3.869	3.869	-0.005	95	568374	5.92	
16 Phenol	94		3.886				ND	7
18 Bis(2-chloroethyl)ether	93		3.962				ND	7
19 2-Chlorophenol	128		4.014				ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.207	4.213	-0.006	97	217084	5.00	
29 2-Methylphenol	108		4.476				ND	
30 2,2'-oxybis[1-chloropropane]	45		4.481				ND	7
32 Acetophenone	105		4.604				ND	7
33 N-Nitrosodi-n-propylamine	70		4.610				ND	7
34 4-Methylphenol	108		4.627				ND	7
37 Hexachloroethane	117		4.698				ND	7
$ 39 Nitrobenzene-d5	82	4.744	4.745	-0.006	89	1568418	17.6	
40 Nitrobenzene	77		4.768				ND	U
42 Isophorone	82		5.001				ND	7
43 2-Nitrophenol	139		5.077				ND	7
44 2,4-Dimethylphenol	107		5.135				ND	7
47 Bis(2-chloroethoxy)methane	93		5.223				ND	7
49 2,4-Dichlorophenol	162		5.316				ND	7
* 52 Naphthalene-d8	136	5.433	5.439	-0.006	99	712454	5.00	
53 Naphthalene	128		5.457				ND	7
56 4-Chloroaniline	127		5.527				ND	7
59 Hexachlorobutadiene	225		5.579				ND	
62 Caprolactam	113		5.854				ND	7
65 4-Chloro-3-methylphenol	107		6.011				ND	7
67 2-Methylnaphthalene	142		6.128				ND	U
71 Hexachlorocyclopentadiene	237		6.274				ND	
79 2,4,6-Trichlorophenol	196		6.408				ND	
80 2,4,5-Trichlorophenol	196		6.449				ND	
$ 81 2-Fluorobiphenyl (Surr)	172	6.479	6.479	-0.005	99	2124921	18.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
83 1,1'-Biphenyl	154		6.578				ND	7
84 2-Chloronaphthalene	162		6.589				ND	7
87 2-Nitroaniline	138		6.700				ND	7
90 Dimethyl phthalate	163		6.881				ND	7
92 2,6-Dinitrotoluene	165		6.940				ND	U
93 Acenaphthylene	152		6.986				ND	U
95 3-Nitroaniline	138		7.097				ND	7
* 96 Acenaphthene-d10	164	7.115	7.121	-0.006	96	398862	5.00	
97 Acenaphthene	153	7.144	7.138	-0.006	96	200142	1.95	
98 2,4-Dinitrophenol	184		7.197				ND	
100 4-Nitrophenol	109		7.290				ND	7
101 Dibenzofuran	168		7.313				ND	7
102 2,4-Dinitrotoluene	165		7.319				ND	7
107 Diethyl phthalate	149		7.559				ND	7
108 Fluorene	166	7.641	7.634	0.001	8	5733	0.0517	
110 4-Chlorophenyl phenyl ether	204		7.652				ND	7
112 4-Nitroaniline	138		7.681				ND	7
113 4,6-Dinitro-2-methylphenol	198		7.705				ND	7
114 N-Nitrosodiphenylamine	169		7.769				ND	7
$ 116 2,4,6-Tribromophenol	330	7.868	7.868	-0.006	92	340157	14.8	
122 4-Bromophenyl phenyl ether	248		8.113				ND	7
124 Hexachlorobenzene	284		8.160				ND	
126 Atrazine	200		8.289				ND	7
127 Pentachlorophenol	266		8.359				ND	7
* 131 Phenanthrene-d10	188	8.522	8.534	-0.012	98	757452	5.00	
132 Phenanthrene	178	8.546	8.540	-0.005	96	29095	0.1732	
135 Anthracene	178	8.598	8.592	-0.006	1	5008	0.0297	
136 Carbazole	167		8.767				ND	7
138 Di-n-butyl phthalate	149		9.118				ND	7
144 Fluoranthene	202	9.678	9.671	-0.006	94	21135	0.1153	
* 146 Pyrene-d10 (IS)	212	9.871	9.883	-0.012	98	740162	5.00	
147 Pyrene	202	9.894	9.894	-0.006	27	9005	0.0481	
$ 148 p-Terphenyl-d14	244	10.058	10.058	-0.006	98	1437140	12.2	
153 Butyl benzyl phthalate	149		10.572				ND	7
157 3,3'-Dichlorobenzidine	252		11.138				ND	7
156 Benzo[a]anthracene	228		11.138				ND	7
159 Chrysene	228		11.185				ND	7
160 Bis(2-ethylhexyl) phthalate	149		11.237				ND	7
162 Di-n-octyl phthalate	149		12.066				ND	7
164 Benzo[b]fluoranthene	252		12.498				ND	7
165 Benzo[k]fluoranthene	252		12.534				ND	7
166 Benzo[a]pyrene	252		12.936				ND	U
* 167 Perylene-d12	264	13.007	13.012	-0.005	97	675798	5.00	
171 Indeno[1,2,3-cd]pyrene	276		14.525				ND	7
172 Dibenz(a,h)anthracene	278		14.565				ND	7
173 Benzo[g,h,i]perylene	276		14.869				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D				
Lims ID:	410-225004-G-5-A				
Client ID:	MW-8				
Sample Type:	Client				
Inject. Date:	06-Jun-2025 18:04:30	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-G-5-A				
Misc. Info.:	410-0149501-031				
Operator ID:	CJS101602	Instrument ID:	HP23264		
Method:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	06-Jun-2025 19:44:11	Calib Date:	05-Jun-2025 10:35:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	20.00000		
MS Library:	\\chromfs\Lancaster\Database\NIST98.L				
Min. Match:	85				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1703				
First Level Reviewer: N5QU		Date:	06-Jun-2025 19:42:54		

Tentative Identified Compound Results

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
	Unknown							
2.380	314887	1.13	22					
	Unknown							
2.642	439219	1.57	22					
	Unknown							
3.349	599694	2.15	22					

Quantitation Compounds

Compound	RT	Area	Amount ug/ml
* 22 1,4-Dichlorobenzene-d4	4.207	1396422	5.00

QC Flag Legend

Processing Flags

Reagents:

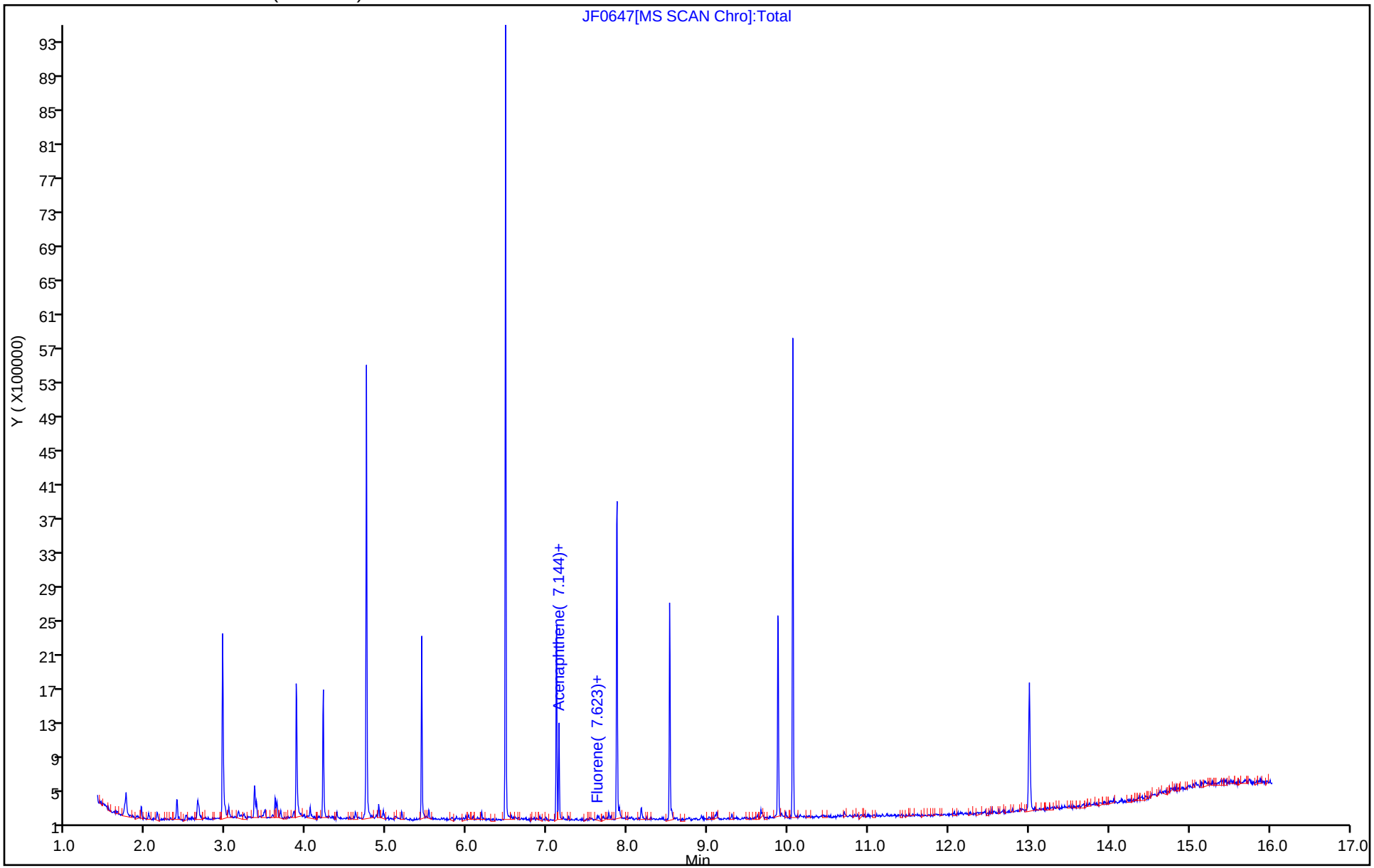
MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Jun-2025 19:44:34 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D				
Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5	Worklist Smp#:	31
Client ID:	MW-8				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D
Lims ID: 410-225004-G-5-A
Client ID: MW-8
Sample Type: Client
Inject. Date: 06-Jun-2025 18:04:30 ALS Bottle#: 26 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-5-A
Misc. Info.: 410-0149501-031
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:42:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	9.16	36.66
$ 15 Phenol-d5	25.0	5.92	23.66
$ 39 Nitrobenzene-d5	25.0	17.6	70.52
$ 81 2-Fluorobiphenyl (Surr)	25.0	18.9	75.61
$ 116 2,4,6-Tribromophenol	25.0	14.8	59.20
$ 148 p-Terphenyl-d14	25.0	12.2	48.73

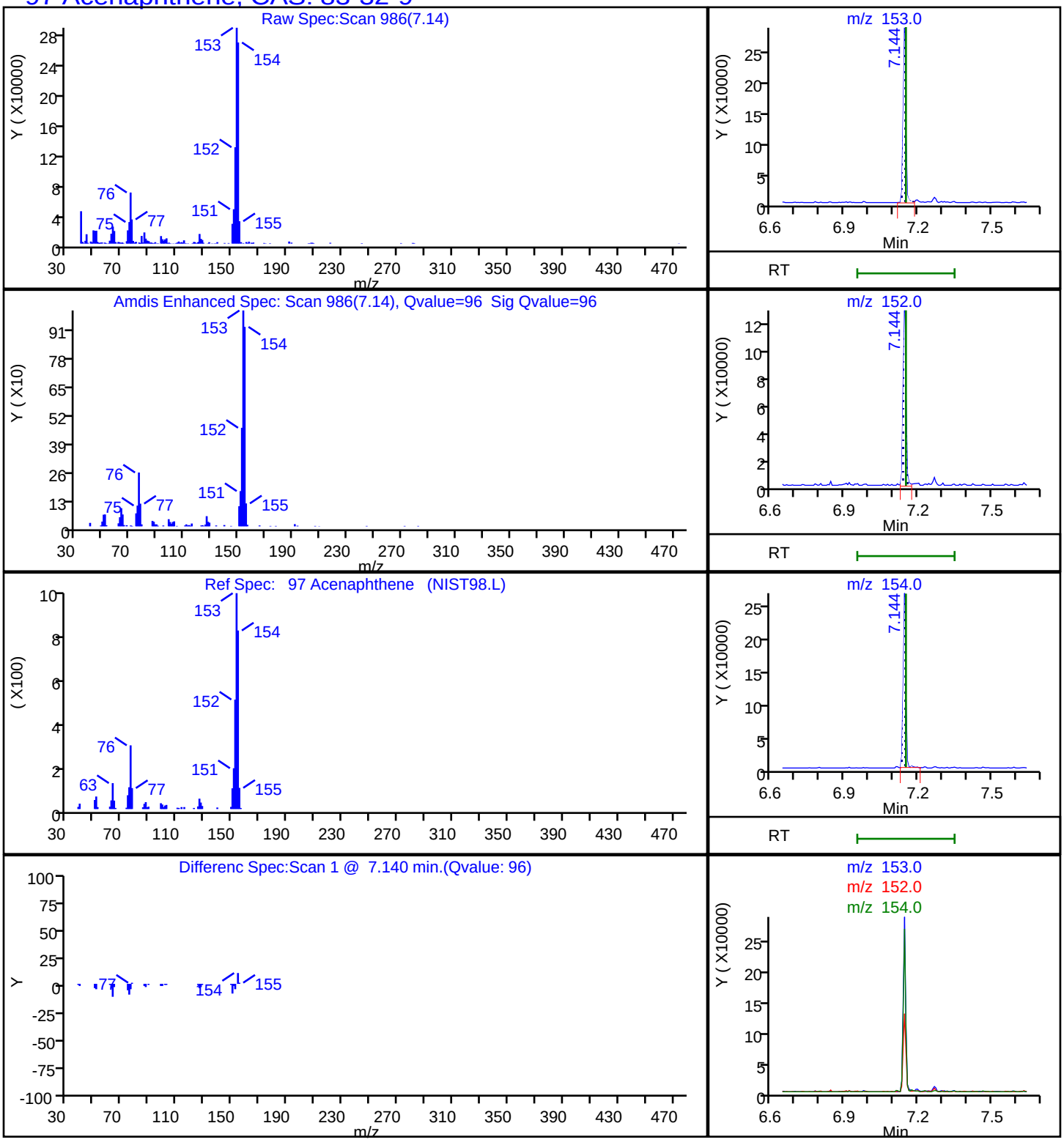
Report Date: 06-Jun-2025 19:44:34 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D

Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

97 Acenaphthene, CAS: 83-32-9

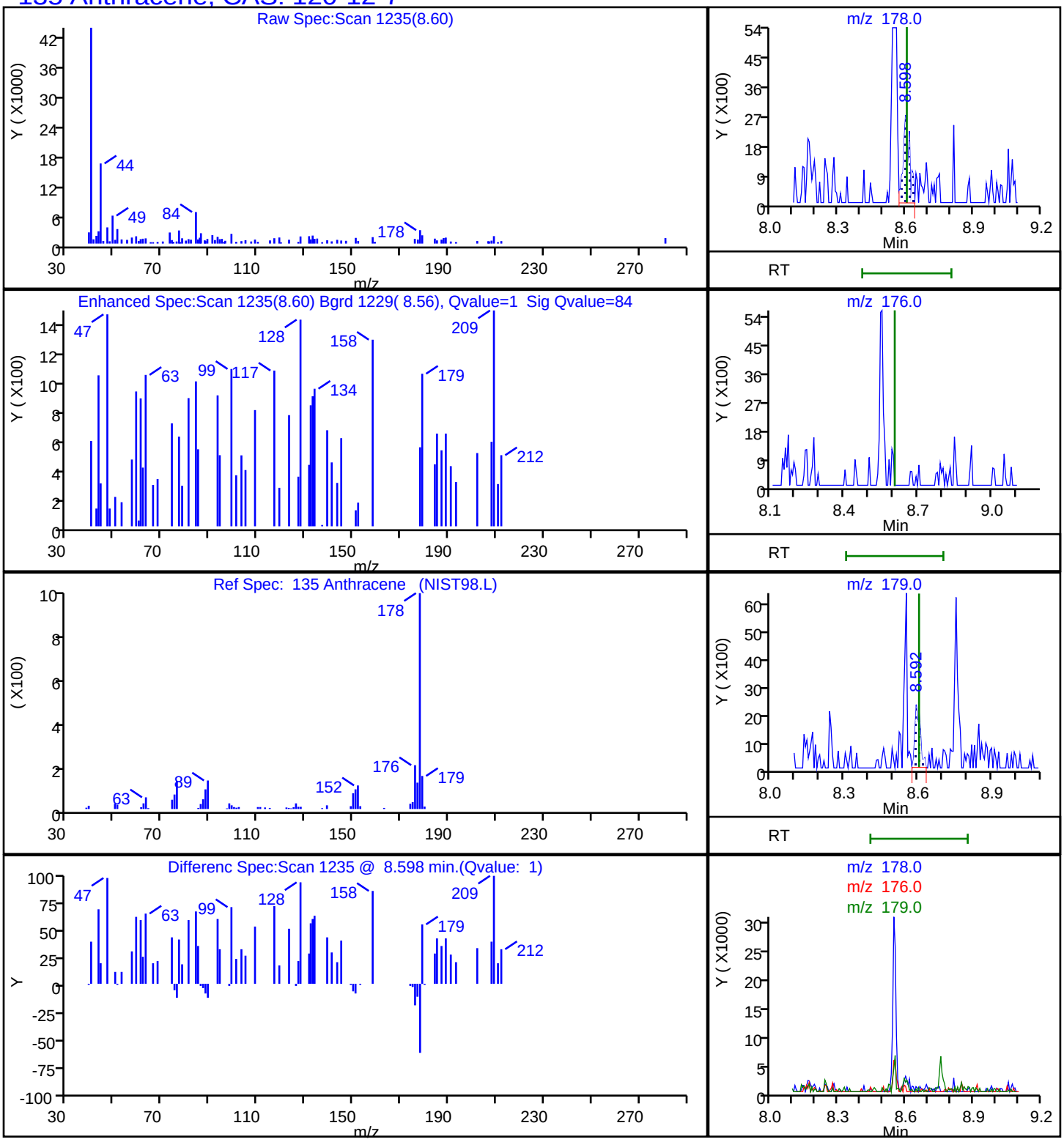


Report Date: 06-Jun-2025 19:44:34 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D				
Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

135 Anthracene, CAS: 120-12-7



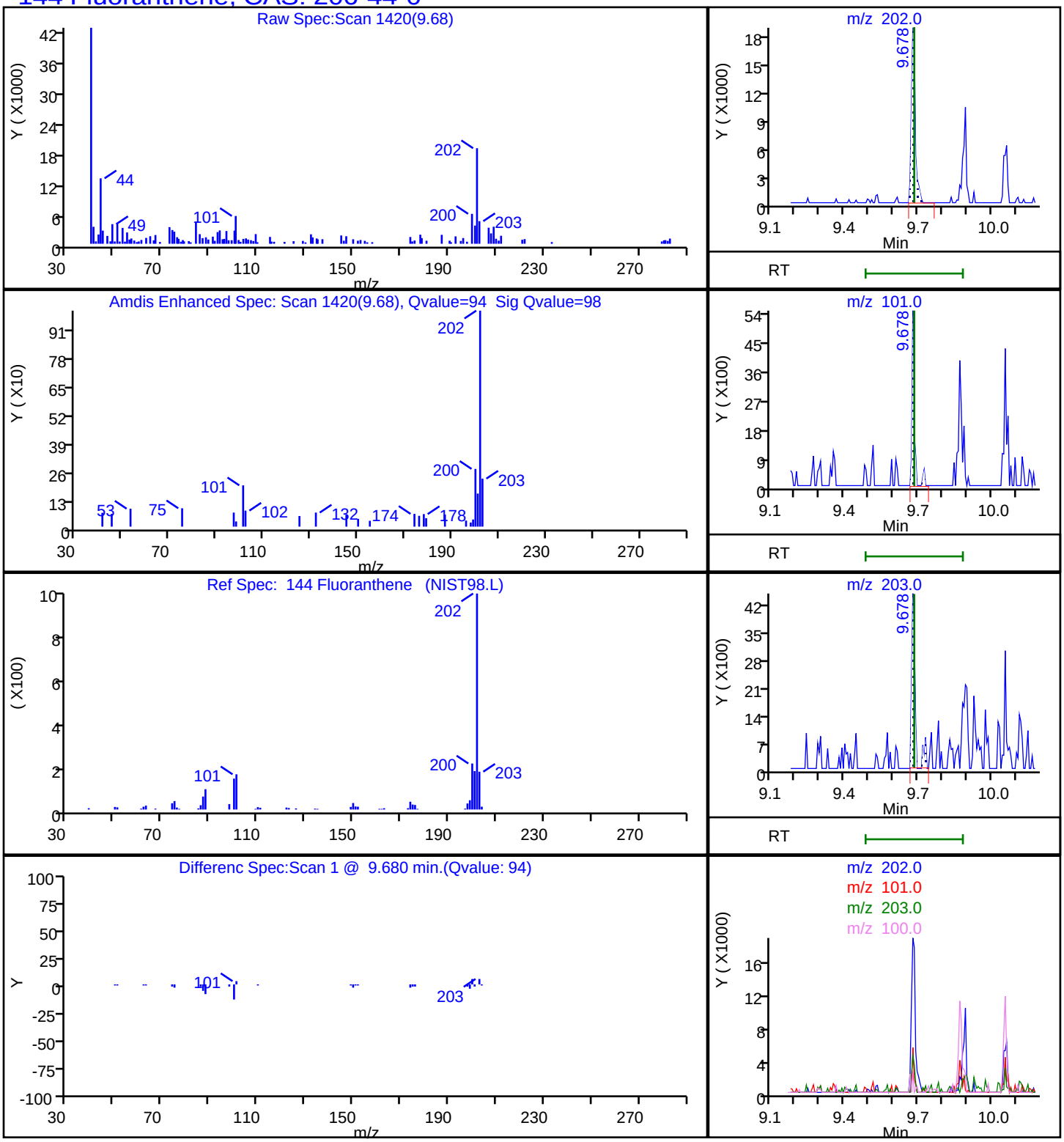
Report Date: 06-Jun-2025 19:44:34 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D

Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

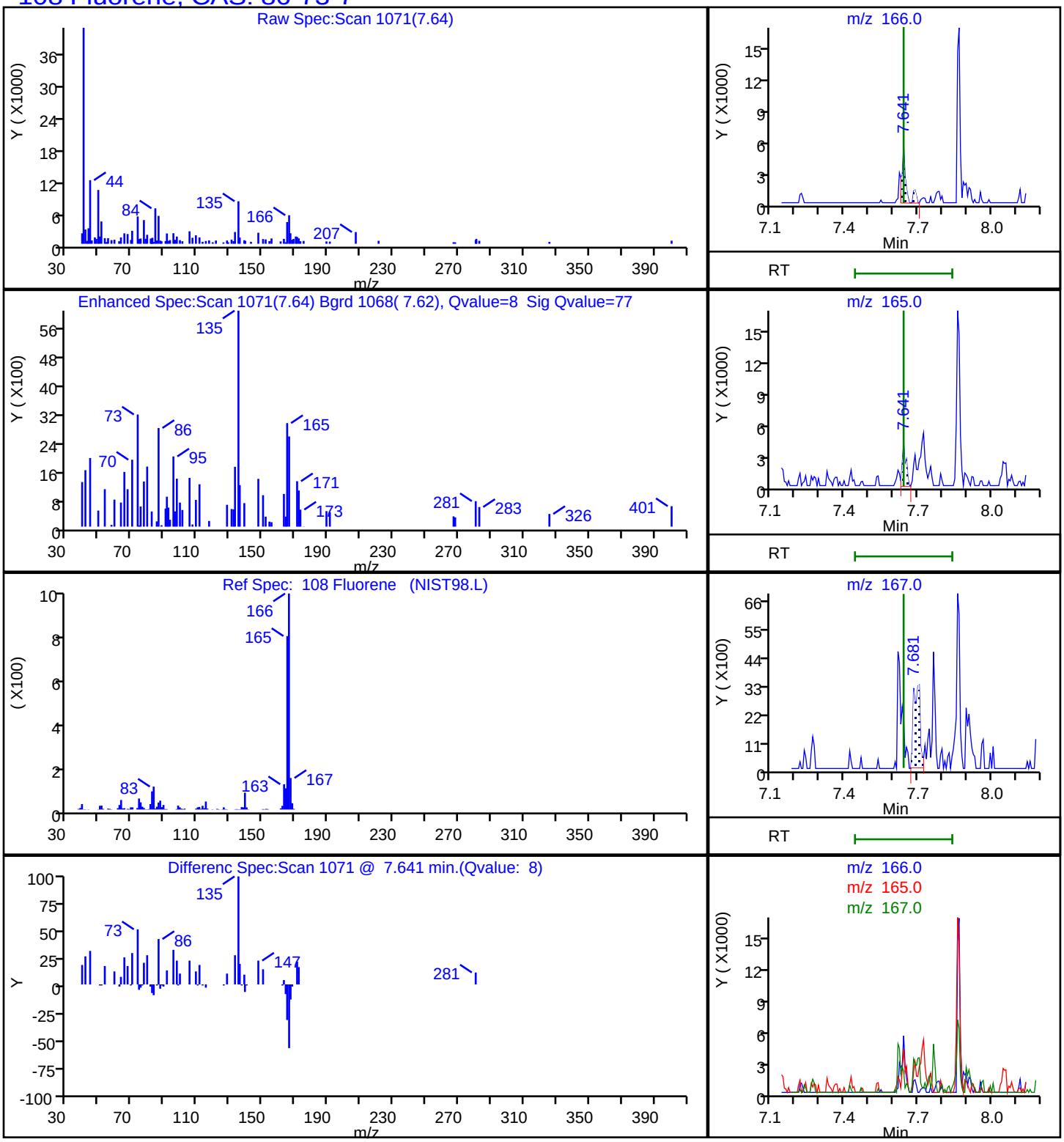
144 Fluoranthene, CAS: 206-44-0



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D				
Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

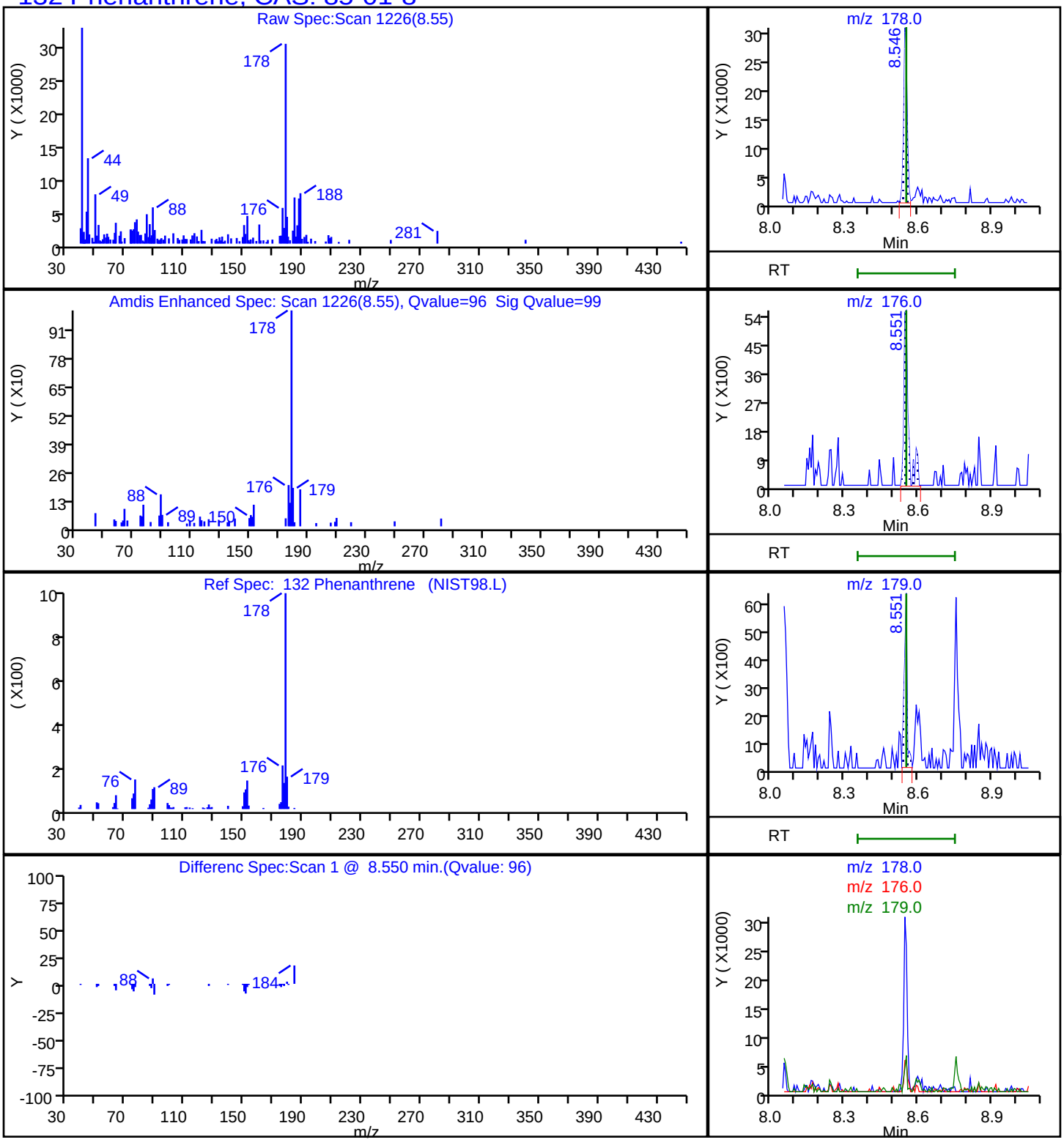
108 Fluorene, CAS: 86-73-7



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D				
Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

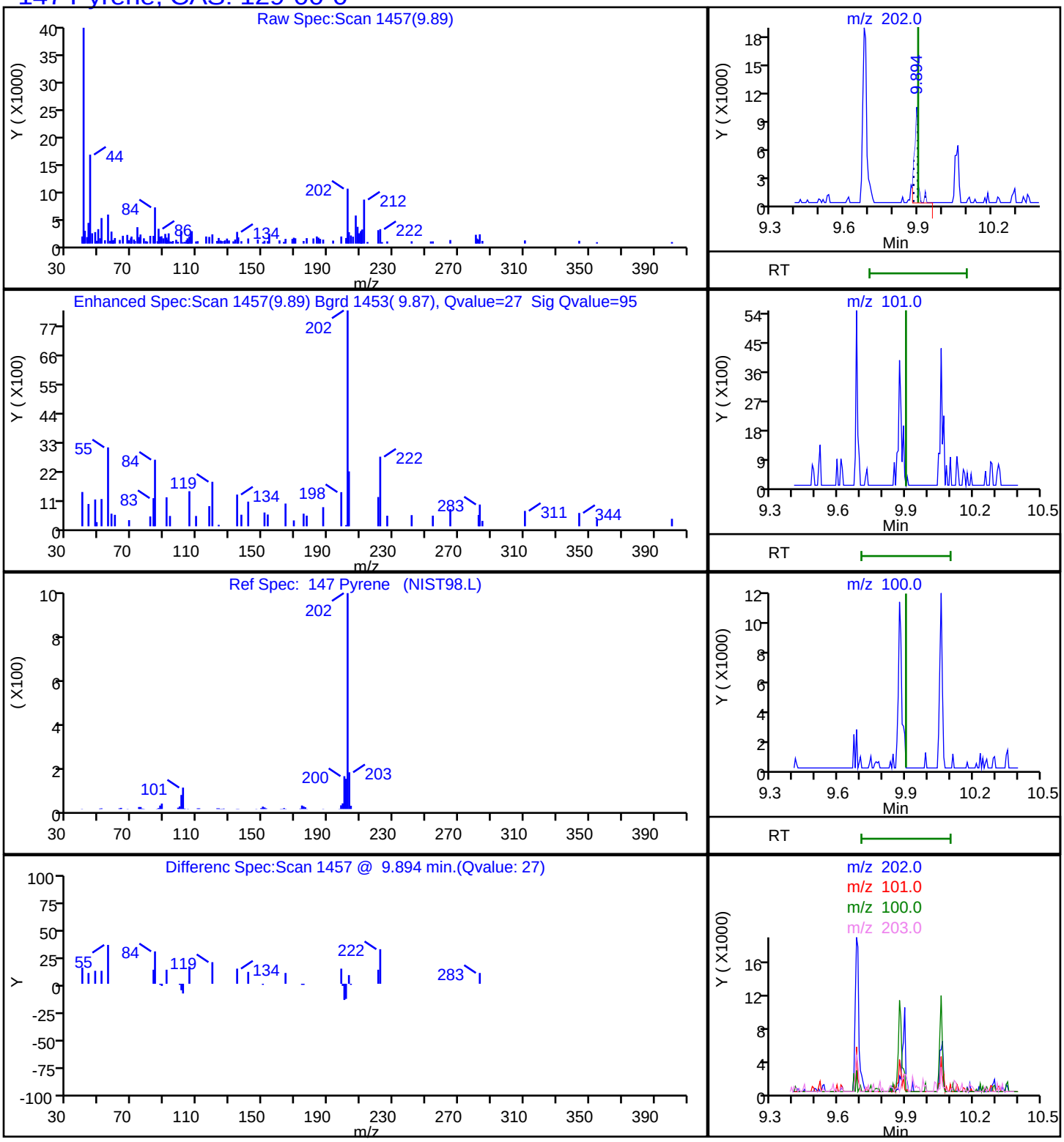
132 Phenanthrene, CAS: 85-01-8



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D				
Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

147 Pyrene, CAS: 129-00-0



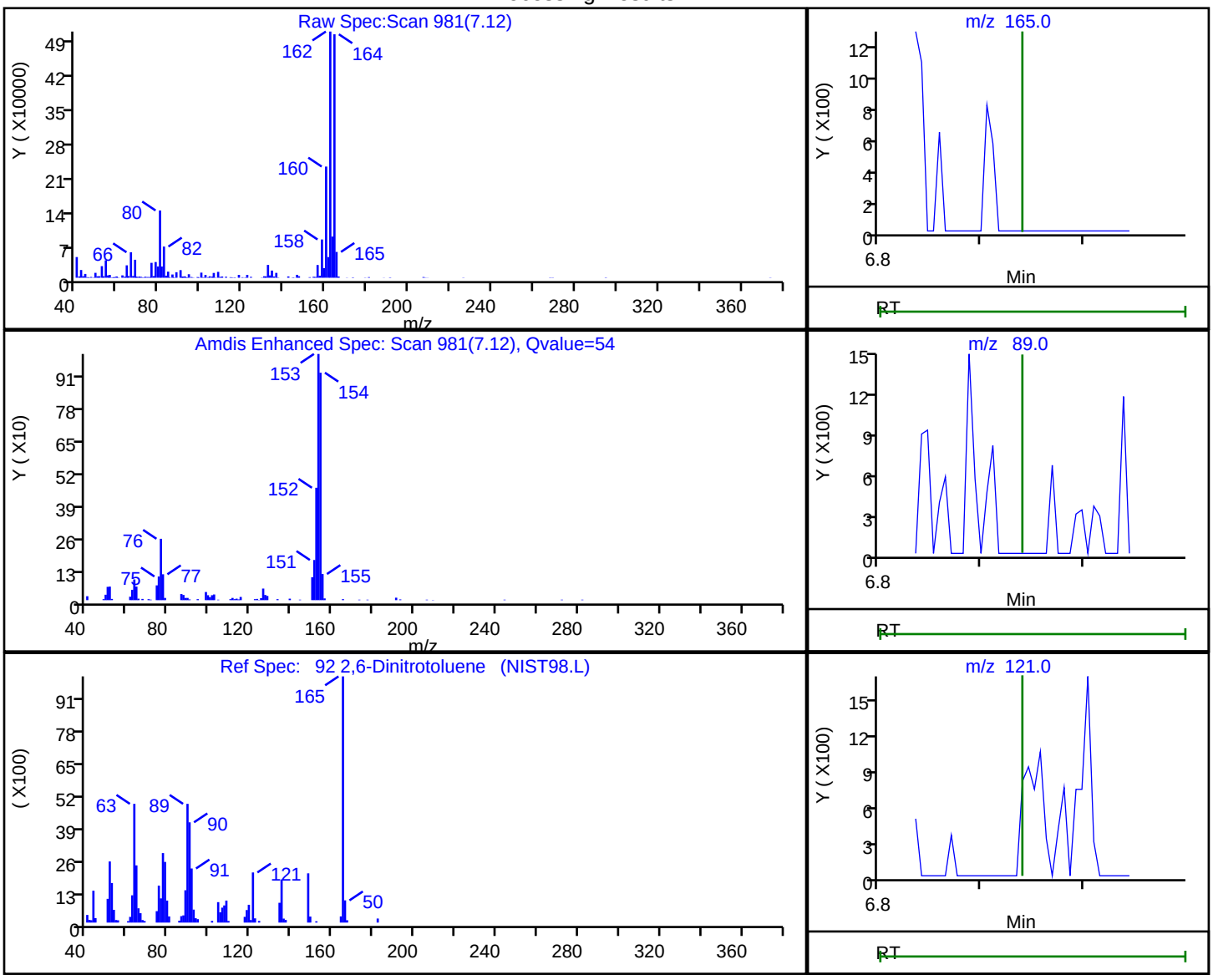
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D		
Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5
Client ID:	MW-8		
Operator ID:	CJS101602	ALS Bottle#:	26 Worklist Smp#: 31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

92 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
7.12	165.00	49425	2.060199
7.09	89.00	507	
7.11	121.00	1016	
7.12	63.00	1963	

Reviewer: N5QU, 06-Jun-2025 19:42:10 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

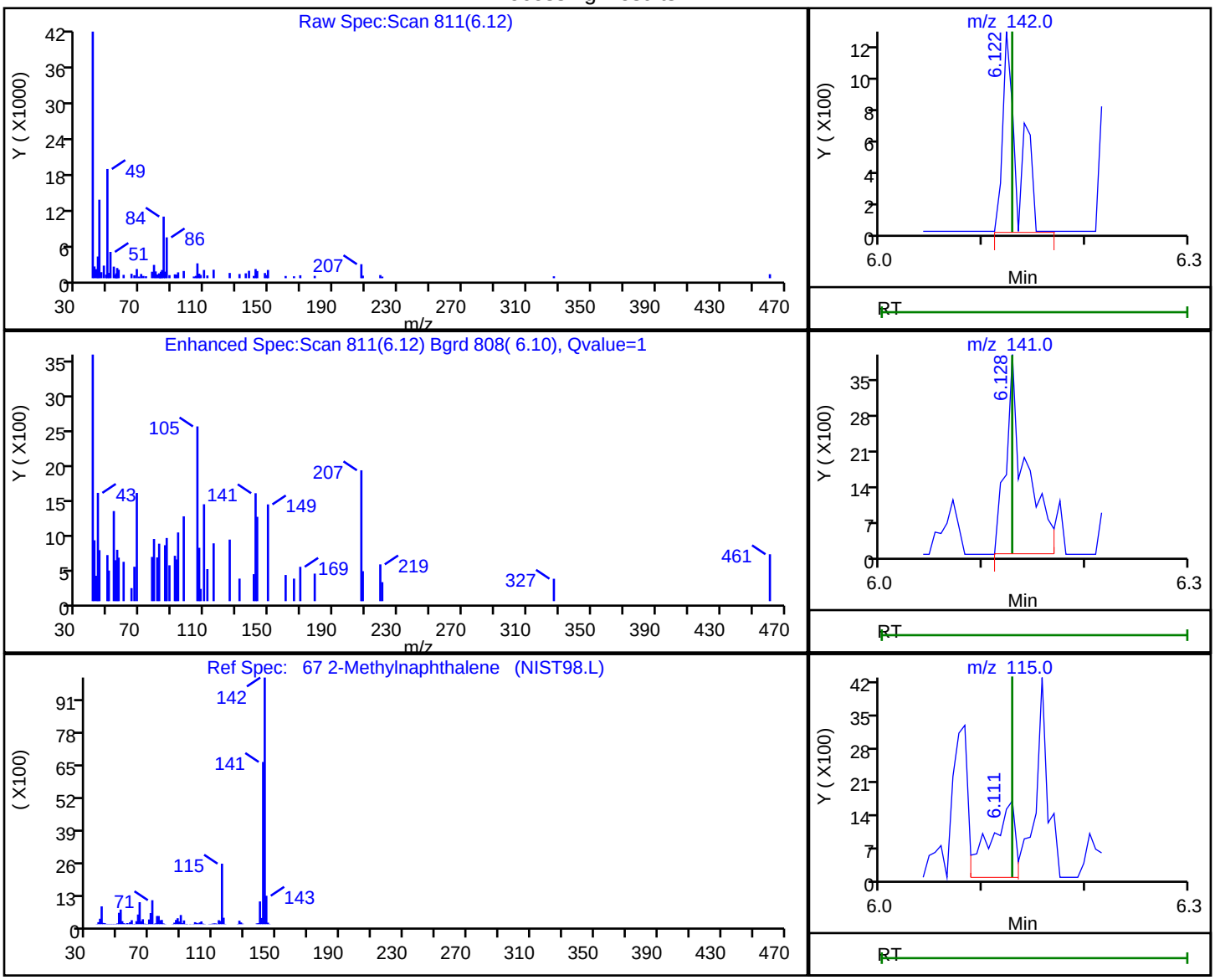
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D				
Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

67 2-Methylnaphthalene, CAS: 91-57-6

Processing Results



RT	Mass	Response	Amount
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6.13	141.00	5217	
6.11	115.00	2547	

Reviewer: N5QU, 06-Jun-2025 19:42:01 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

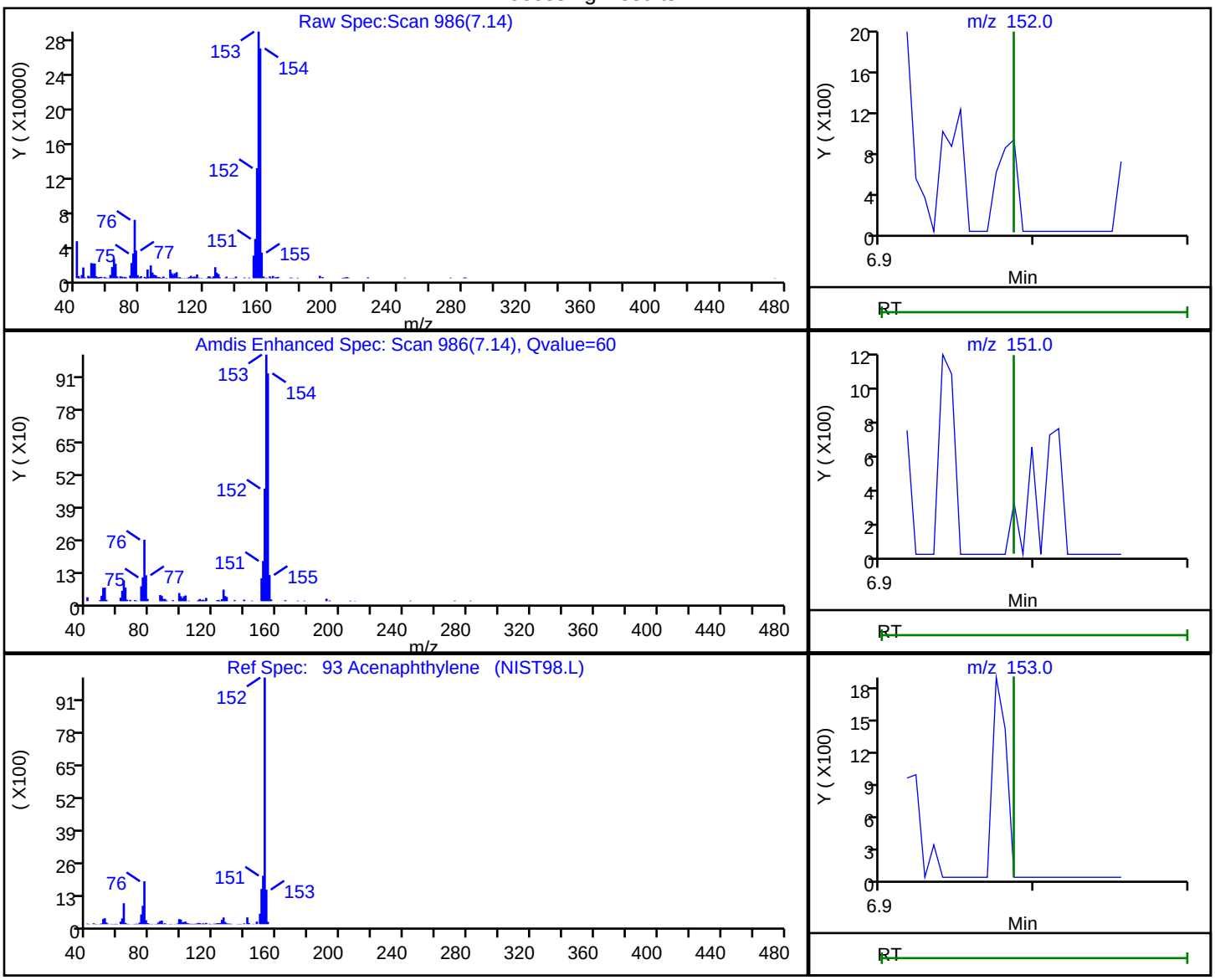
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D				
Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

93 Acenaphthylene, CAS: 208-96-8

Processing Results



RT	Mass	Response	Amount
7.14	152.00	99029	0.680659
7.14	151.00	36096	
7.14	153.00	200142	

Reviewer: N5QU, 06-Jun-2025 19:42:11 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

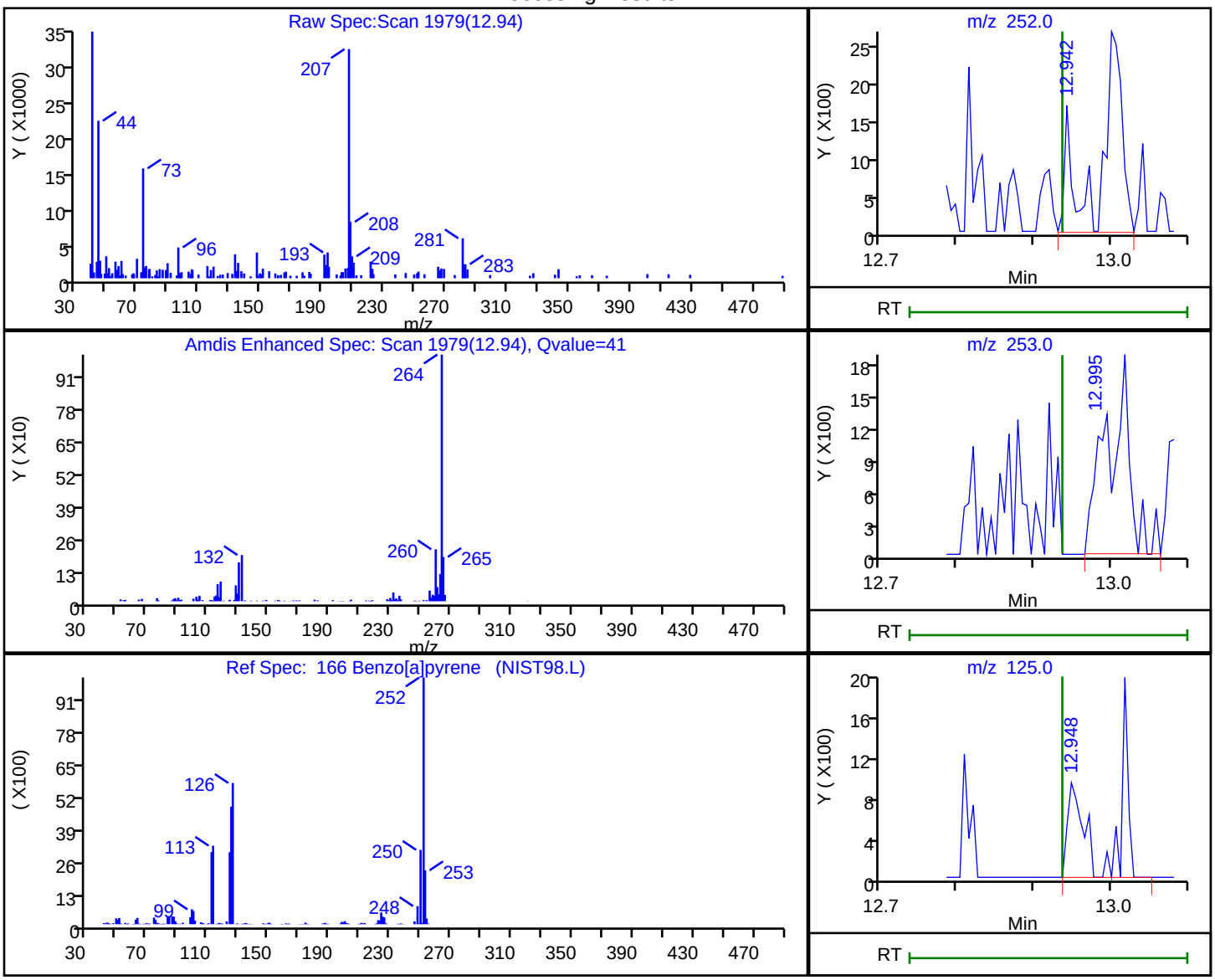
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D				
Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.94	252.00	5103	0.031251
12.99	253.00	3917	
12.95	125.00	2518	

Reviewer: N5QU, 06-Jun-2025 19:42:26 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

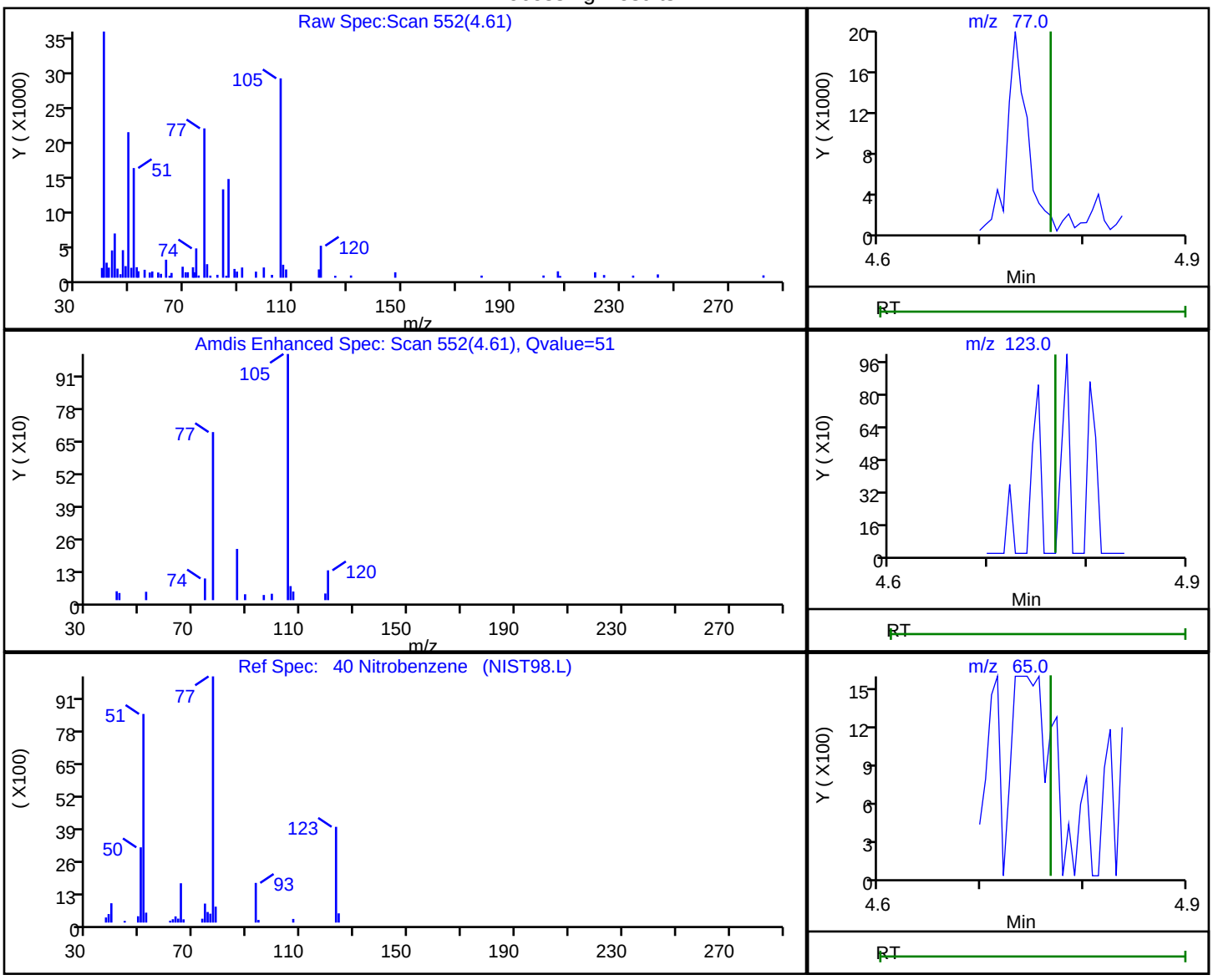
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D				
Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.61	77.00	27710	0.317675
4.77	123.00	0	
4.62	65.00	1829	

Reviewer: N5QU, 06-Jun-2025 19:41:55 -04:00:00 (UTC)

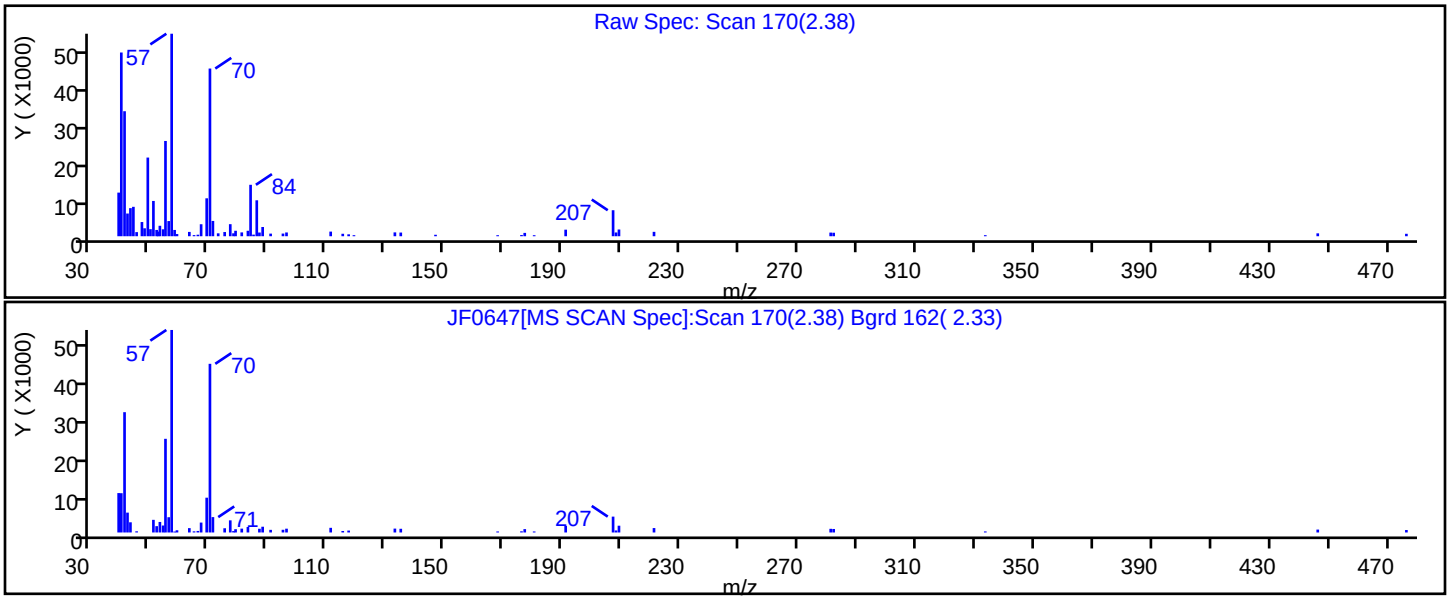
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 06-Jun-2025 19:44:34 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D				
Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

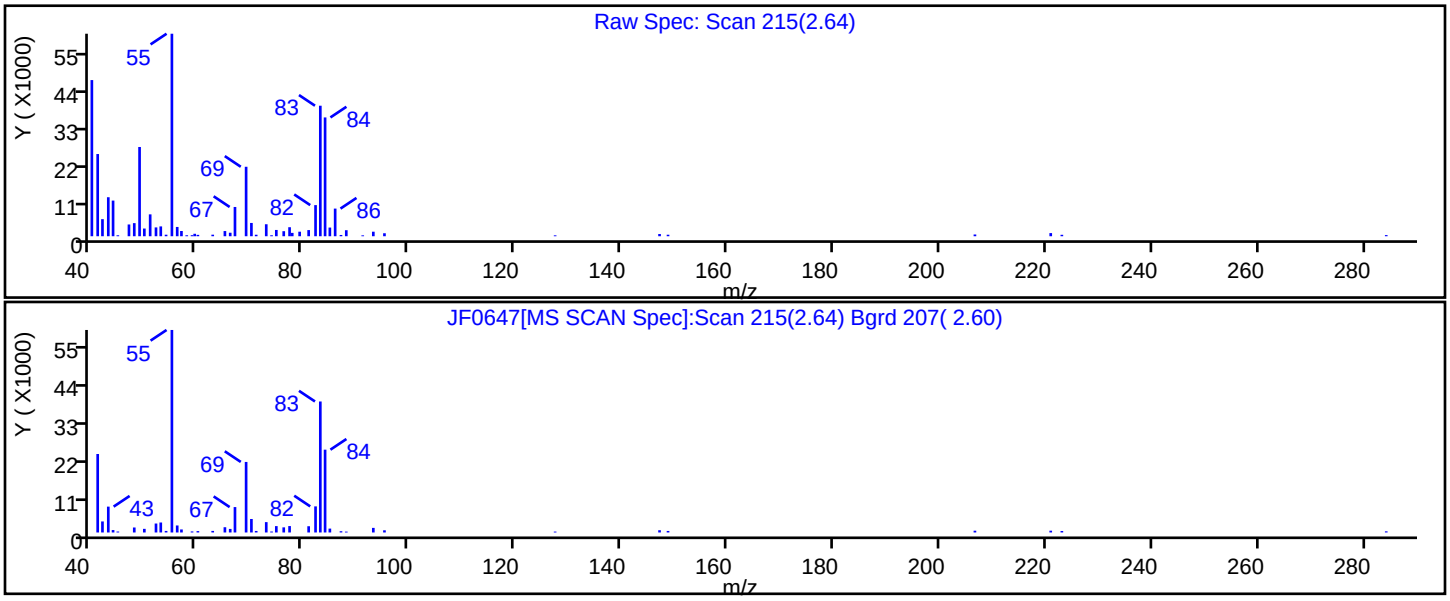


Report Date: 06-Jun-2025 19:44:34 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D				
Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

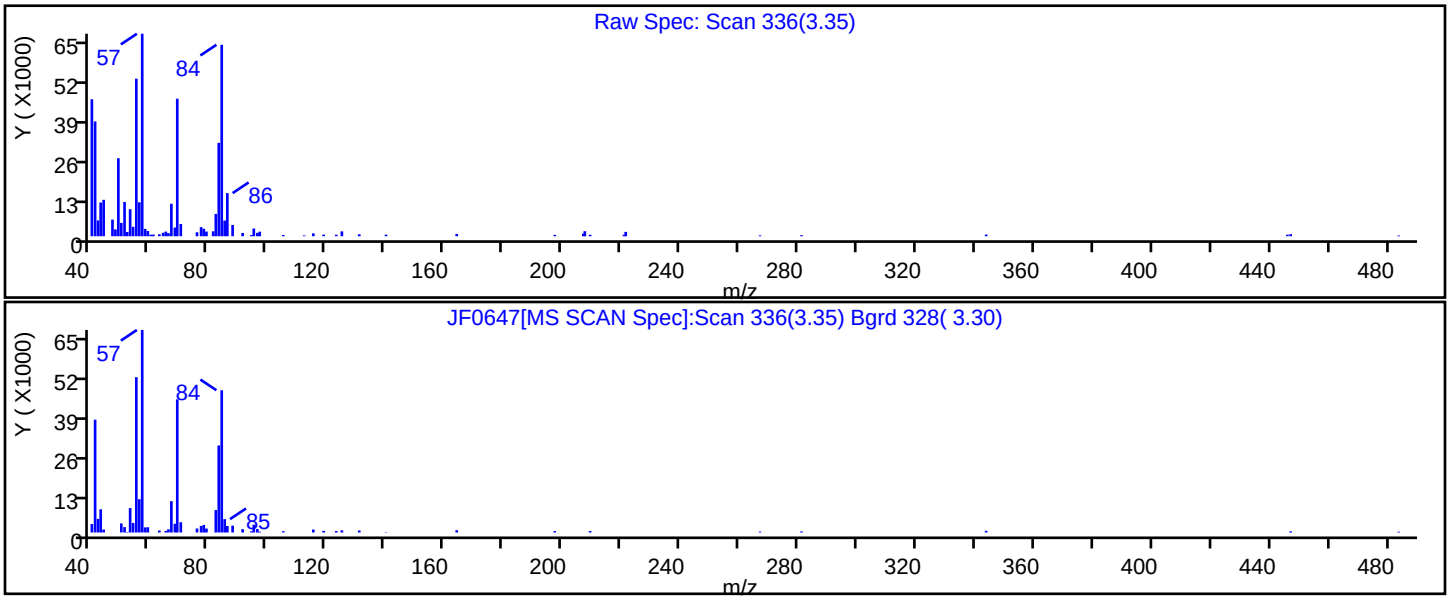


Report Date: 06-Jun-2025 19:44:34 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0647.D				
Injection Date:	06-Jun-2025 18:04:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-5-A	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8 RE
Lab Sample ID: 410-225004-5 RE

Matrix: Water
Lab File ID: DF1063.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:25

Extract. Method: 3510C
Date Extracted: 06/10/2025 07:46

Sample wt/vol: 241.3(mL)
Date Analyzed: 06/10/2025 23:53

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 655733
Units: ug/L

Preparation Batch No.: 655289
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND	H	2.1	0.52
108-60-1	bis(1-chloroispropyl)ether	ND	H	2.1	0.52
95-95-4	2,4,5-Trichlorophenol	ND	H	2.1	0.52
88-06-2	2,4,6-Trichlorophenol	ND	H	2.1	0.52
120-83-2	2,4-Dichlorophenol	ND	H	2.1	0.52
105-67-9	2,4-Dimethylphenol	ND	H	10	3.1
51-28-5	2,4-Dinitrophenol	ND	H	31	15
121-14-2	2,4-Dinitrotoluene	ND	H	5.2	1.0
606-20-2	2,6-Dinitrotoluene	ND	H	2.1	0.52
91-58-7	2-Chloronaphthalene	ND	H	1.0	0.41
95-57-8	2-Chlorophenol	ND	H	2.1	0.52
91-57-6	2-Methylnaphthalene	ND	H	0.52	0.10
95-48-7	2-Methylphenol	ND	H	2.1	0.52
88-74-4	2-Nitroaniline	ND	H	5.2	1.0
88-75-5	2-Nitrophenol	ND	H	5.2	1.0
91-94-1	3,3'-Dichlorobenzidine	ND	H	10	4.1
99-09-2	3-Nitroaniline	ND	H	5.2	2.1
534-52-1	4,6-Dinitro-2-methylphenol	ND	H	22	8.3
101-55-3	4-Bromophenyl-phenylether	ND	H	2.1	0.52
59-50-7	4-Chloro-3-methylphenol	ND	H	5.2	1.0
106-47-8	4-Chloroaniline	ND	H	10	4.1
7005-72-3	4-Chlorophenyl-phenyl ether	ND	H	2.1	0.52
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND	H	2.1	0.52
100-01-6	4-Nitroaniline	ND	H	3.1	0.93
100-02-7	4-Nitrophenol	ND	H	31	10
83-32-9	Acenaphthene	7.8	H	0.52	0.10
208-96-8	Acenaphthylene	ND	H	0.52	0.10
98-86-2	Acetophenone	ND	H	5.2	1.0
120-12-7	Anthracene	0.12	J H	0.52	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8 RE
Lab Sample ID: 410-225004-5 RE

Matrix: Water
Lab File ID: DF1063.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:25

Extract. Method: 3510C
Date Extracted: 06/10/2025 07:46

Sample wt/vol: 241.3(mL)
Date Analyzed: 06/10/2025 23:53

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 655733
Units: ug/L

Preparation Batch No.: 655289
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND	H	5.2	1.0
100-52-7	Benzaldehyde	ND	H	5.2	1.0
56-55-3	Benzo[a]anthracene	ND	H	0.52	0.10
50-32-8	Benzo[a]pyrene	ND	H	0.52	0.11
205-99-2	Benzo[b]fluoranthene	ND	H	0.52	0.10
191-24-2	Benzo[g,h,i]perylene	ND	H	0.52	0.10
207-08-9	Benzo[k]fluoranthene	ND	H	0.52	0.10
85-68-7	Butylbenzylphthalate	ND	H	5.2	2.1
105-60-2	Caprolactam	ND	H	7.3	3.1
86-74-8	Carbazole	ND	H	2.1	0.52
218-01-9	Chrysene	ND	H	0.52	0.10
84-74-2	Di-n-butyl phthalate	ND	H	5.2	2.1
117-84-0	Di-n-octyl phthalate	ND	H	11	5.2
53-70-3	Dibenz(a,h)anthracene	ND	H	0.52	0.10
132-64-9	Dibenzofuran	ND	H	2.1	0.52
84-66-2	Diethyl phthalate	ND	H	5.2	2.1
131-11-3	Dimethyl phthalate	ND	H	5.2	2.1
206-44-0	Fluoranthene	0.45	J H	0.52	0.10
86-73-7	Fluorene	0.18	J H	0.52	0.12
118-74-1	Hexachlorobenzene	ND	H	0.52	0.11
87-68-3	Hexachlorobutadiene	ND	H	2.1	0.52
77-47-4	Hexachlorocyclopentadiene	ND	H	11	5.2
67-72-1	Hexachloroethane	ND	H	5.2	0.52
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	0.52	0.11
78-59-1	Isophorone	ND	H	2.1	0.52
621-64-7	N-Nitrosodi-n-propylamine	ND	H	2.1	0.52
86-30-6	N-Nitrosodiphenylamine	ND	H	2.1	0.52
91-20-3	Naphthalene	ND	H	0.52	0.27
98-95-3	Nitrobenzene	ND	H	2.1	0.52
87-86-5	Pentachlorophenol	ND	H	5.2	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8 RE
Lab Sample ID: 410-225004-5 RE

Matrix: Water
Lab File ID: DF1063.D

Analysis Method: 8270E
Date Collected: 05/29/2025 12:25

Extract. Method: 3510C
Date Extracted: 06/10/2025 07:46

Sample wt/vol: 241.3(mL)
Date Analyzed: 06/10/2025 23:53

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 655733
Units: ug/L

Preparation Batch No.: 655289
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	*Phenanthrene*	*0.63*	*H*	*0.52*	*0.11*
108-95-2	*Phenol*	*ND*	*H*	*2.1*	*0.52*
129-00-0	*Pyrene*	*0.15*	*J H*	*0.52*	*0.10*
111-91-1	*Bis(2-chloroethoxy)methane*	*ND*	*H*	*2.1*	*0.52*
111-44-4	*Bis(2-chloroethyl)ether*	*ND*	*H*	*2.1*	*0.52*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*ND*	*H*	*5.2*	*2.1*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	86		13-134
321-60-8	2-Fluorobiphenyl (Surr)	86		45-120
367-12-4	2-Fluorophenol (Surr)	37		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	79		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	81		26-123
4165-62-2	Phenol-d5 (Surr)	29		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D
Lims ID: 410-225004-F-5-A RE
Client ID: MW-8
Sample Type: Client
Inject. Date: 10-Jun-2025 23:53:05 ALS Bottle#: 12 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-F-5-A
Misc. Info.: 410-0149952-014
Operator ID: IR93211 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Jun-2025 15:41:57 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: N5QU Date: 11-Jun-2025 15:37:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.797	2.799	-0.006	92	412946	9.37	
15 Benzaldehyde	77		3.631				ND	7
$ 16 Phenol-d5	99	3.707	3.701	0.000	96	469358	7.28	
17 Phenol	94		3.724				ND	7
19 Bis(2-chloroethyl)ether	93		3.806				ND	7
20 2-Chlorophenol	128		3.852				ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.056	4.057	0.000	96	163465	5.00	
28 2-Methylphenol	108		4.313				ND	
29 2,2'-oxybis[1-chloropropane]	45		4.330				ND	7
34 Acetophenone	105		4.453				ND	7
33 N-Nitrosodi-n-propylamine	70		4.459				ND	7
32 4-Methylphenol	108		4.465				ND	
38 Hexachloroethane	117		4.546				ND	U
$ 39 Nitrobenzene-d5	82	4.587	4.588	-0.006	87	1101767	19.8	
40 Nitrobenzene	77		4.616				ND	U
43 Isophorone	82		4.849				ND	7
44 2-Nitrophenol	139		4.919				ND	
45 2,4-Dimethylphenol	107		4.977				ND	7
47 Bis(2-chloroethoxy)methane	93		5.065				ND	
48 2,4-Dichlorophenol	162		5.158				ND	
* 50 Naphthalene-d8	136	5.280	5.286	-0.006	100	602596	5.00	
51 Naphthalene	128		5.304				ND	U
53 4-Chloroaniline	127		5.368				ND	7
56 Hexachlorobutadiene	225		5.432				ND	
61 Caprolactam	113		5.689				ND	7
64 4-Chloro-3-methylphenol	107		5.846				ND	7
66 2-Methylnaphthalene	142		5.968				ND	7
68 Hexachlorocyclopentadiene	237		6.120				ND	
71 2,4,6-Trichlorophenol	196		6.248				ND	
72 2,4,5-Trichlorophenol	196		6.283				ND	
$ 73 2-Fluorobiphenyl (Surr)	172	6.324	6.319	0.000	99	2051937	21.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
75 1,1'-Biphenyl	154		6.417				ND	7
76 2-Chloronaphthalene	162		6.429				ND	7
79 2-Nitroaniline	138		6.534				ND	7
85 Dimethyl phthalate	163		6.720				ND	7
87 2,6-Dinitrotoluene	165		6.773				ND	7
88 Acenaphthylene	152		6.819				ND	7
89 3-Nitroaniline	138		6.924				ND	7
* 90 Acenaphthene-d10	164	6.953	6.953	0.000	96	343725	5.00	
91 Acenaphthene	153	6.982	6.982	-0.006	96	156813	1.88	
92 2,4-Dinitrophenol	184		7.029				ND	
93 4-Nitrophenol	109		7.111				ND	7
95 2,4-Dinitrotoluene	165		7.152				ND	7
96 Dibenzofuran	168		7.152				ND	7
100 Diethyl phthalate	149		7.396				ND	7
102 Fluorene	166	7.472	7.472	0.000	72	4087	0.0424	
103 4-Chlorophenyl phenyl ether	204		7.484				ND	
105 4-Nitroaniline	138		7.501				ND	
106 4,6-Dinitro-2-methylphenol	198		7.530				ND	
107 N-Nitrosodiphenylamine	169		7.600				ND	7
$ 109 2,4,6-Tribromophenol	330	7.699	7.699	-0.006	93	290703	21.4	
116 4-Bromophenyl phenyl ether	248		7.944				ND	
118 Hexachlorobenzene	284		7.991				ND	
120 Atrazine	200		8.119				ND	
121 Pentachlorophenol	266		8.183				ND	U
* 126 Phenanthrene-d10	188	8.352	8.358	-0.006	97	646655	5.00	
128 Phenanthrene	178	8.375	8.375	-0.006	96	21175	0.1516	
129 Anthracene	178	8.422	8.422	-0.006	69	3859	0.0282	
130 Carbazole	167		8.591				ND	7
133 Di-n-butyl phthalate	149		8.947				ND	7
143 Fluoranthene	202	9.500	9.500	-0.006	98	15723	0.1075	
* 149 Pyrene-d10 (IS)	212	9.693	9.699	-0.006	99	671737	5.00	
150 Pyrene	202	9.710	9.710	-0.006	90	6107	0.0365	
$ 152 p-Terphenyl-d14	244	9.879	9.879	-0.006	98	2134549	20.3	
157 Butyl benzyl phthalate	149		10.381				ND	7
159 3,3'-Dichlorobenzidine	252		10.917				ND	7
161 Benzo[a]anthracene	228		10.923				ND	
162 Chrysene	228		10.963				ND	
163 Bis(2-ethylhexyl) phthalate	149		11.022				ND	7
165 Di-n-octyl phthalate	149		11.814				ND	7
167 Benzo[b]fluoranthene	252		12.211				ND	7
168 Benzo[k]fluoranthene	252		12.246				ND	7
169 Benzo[a]pyrene	252		12.636				ND	U
* 170 Perylene-d12	264	12.700	12.712	-0.012	98	522881	5.00	
174 Indeno[1,2,3-cd]pyrene	276		14.169				ND	7
175 Dibenz(a,h)anthracene	278		14.216				ND	
176 Benzo[g,h,i]perylene	276		14.542				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

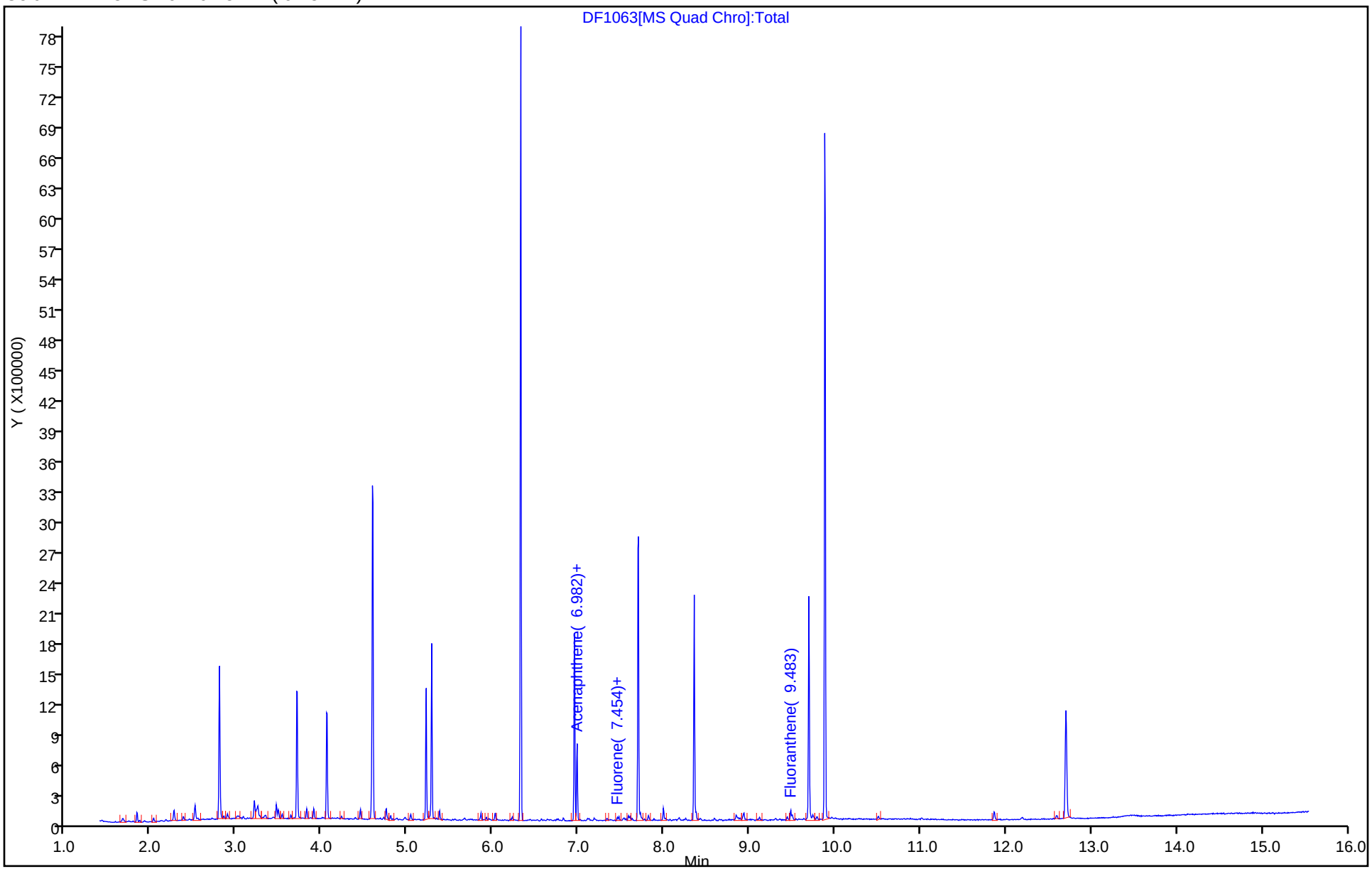
MSS_RV8270_IS_00109 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 11-Jun-2025 15:44:08 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D				
Injection Date:	10-Jun-2025 23:53:05	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	410-225004-F-5-A RE	Lab Sample ID:	410-225004-5	Worklist Smp#:	14
Client ID:	MW-8				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D				
Lims ID:	410-225004-F-5-A RE				
Client ID:	MW-8				
Sample Type:	Client				
Inject. Date:	10-Jun-2025 23:53:05	ALS Bottle#:	12	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-F-5-A				
Misc. Info.:	410-0149952-014				
Operator ID:	IR93211	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	11-Jun-2025 15:41:57	Calib Date:	31-May-2025 05:14:31		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1629				

First Level Reviewer: N5QU Date: 11-Jun-2025 15:37:53

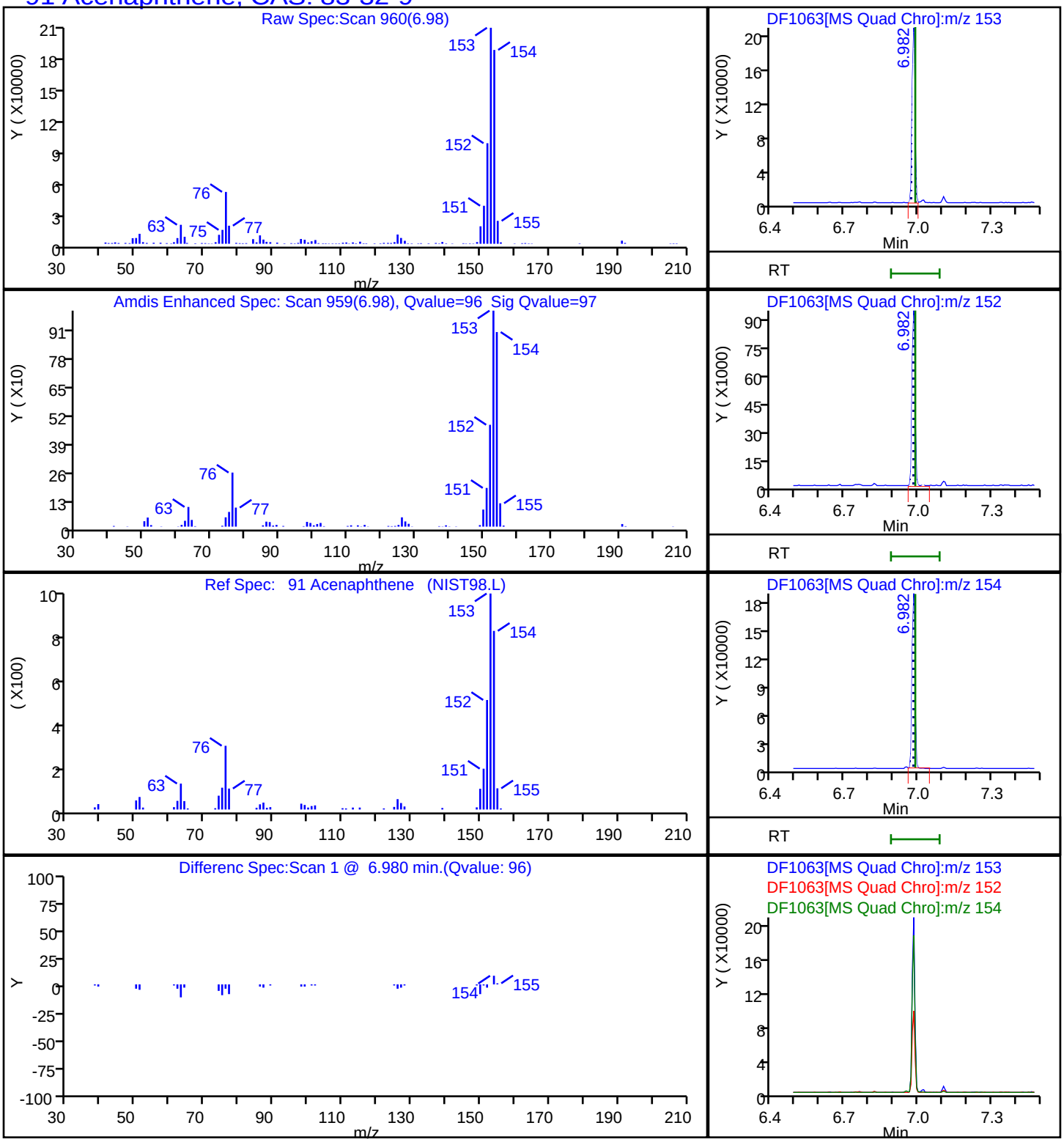
Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	9.37	37.46
$ 16 Phenol-d5	25.0	7.28	29.13
$ 39 Nitrobenzene-d5	25.0	19.8	79.01
$ 73 2-Fluorobiphenyl (Surr)	25.0	21.5	85.82
$ 109 2,4,6-Tribromophenol	25.0	21.4	85.57
$ 152 p-Terphenyl-d14	25.0	20.3	81.38

Report Date: 11-Jun-2025 15:44:09 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D				
Injection Date:	10-Jun-2025 23:53:05	Instrument ID:	HP19760		
Lims ID:	410-225004-F-5-A RE	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	IR93211	ALS Bottle#:	12	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

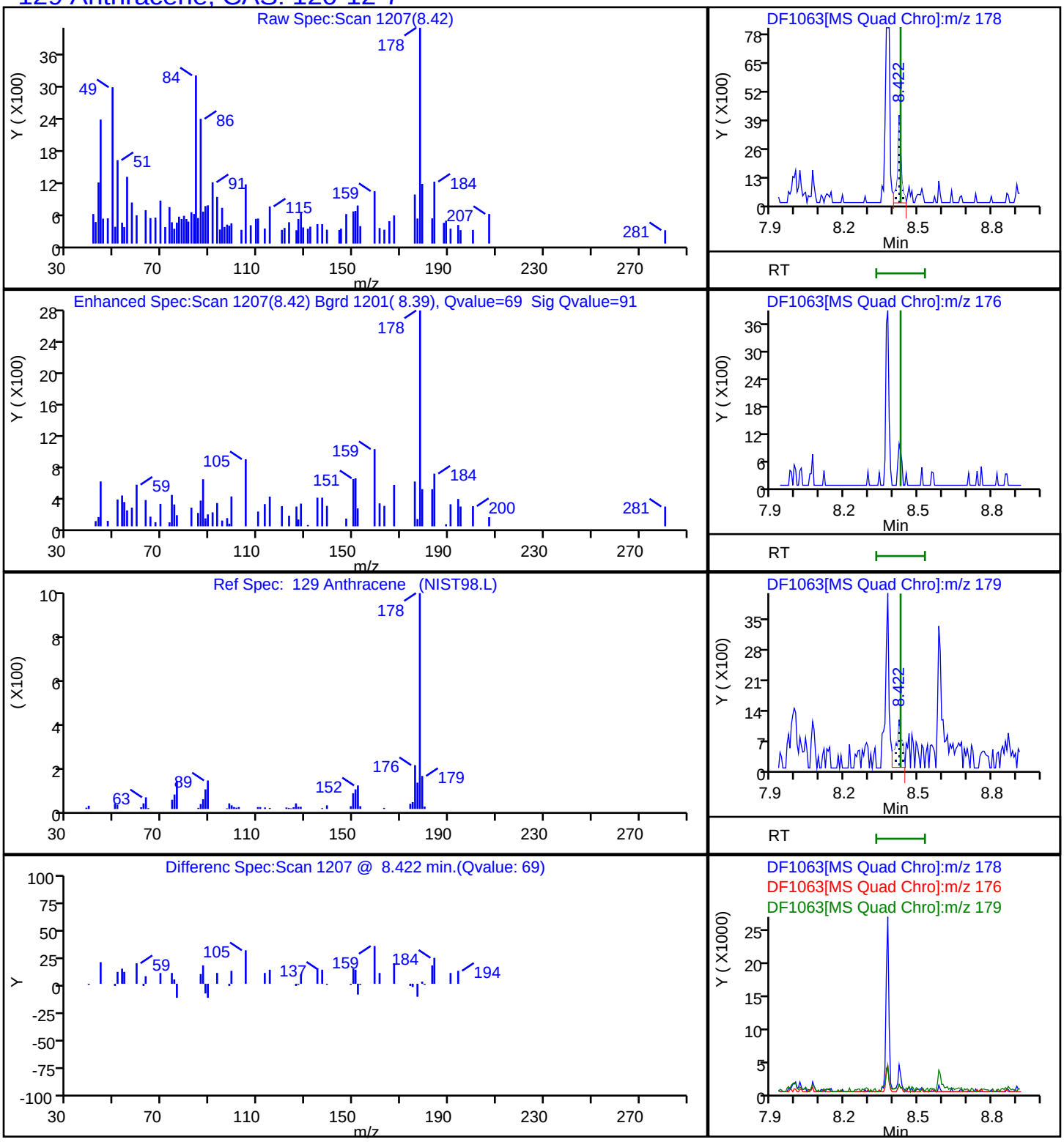
91 Acenaphthene, CAS: 83-32-9



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D		
Injection Date:	10-Jun-2025 23:53:05	Instrument ID:	HP19760
Lims ID:	410-225004-F-5-A RE	Lab Sample ID:	410-225004-5
Client ID:	MW-8		
Operator ID:	IR93211	ALS Bottle#:	12 Worklist Smp#: 14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

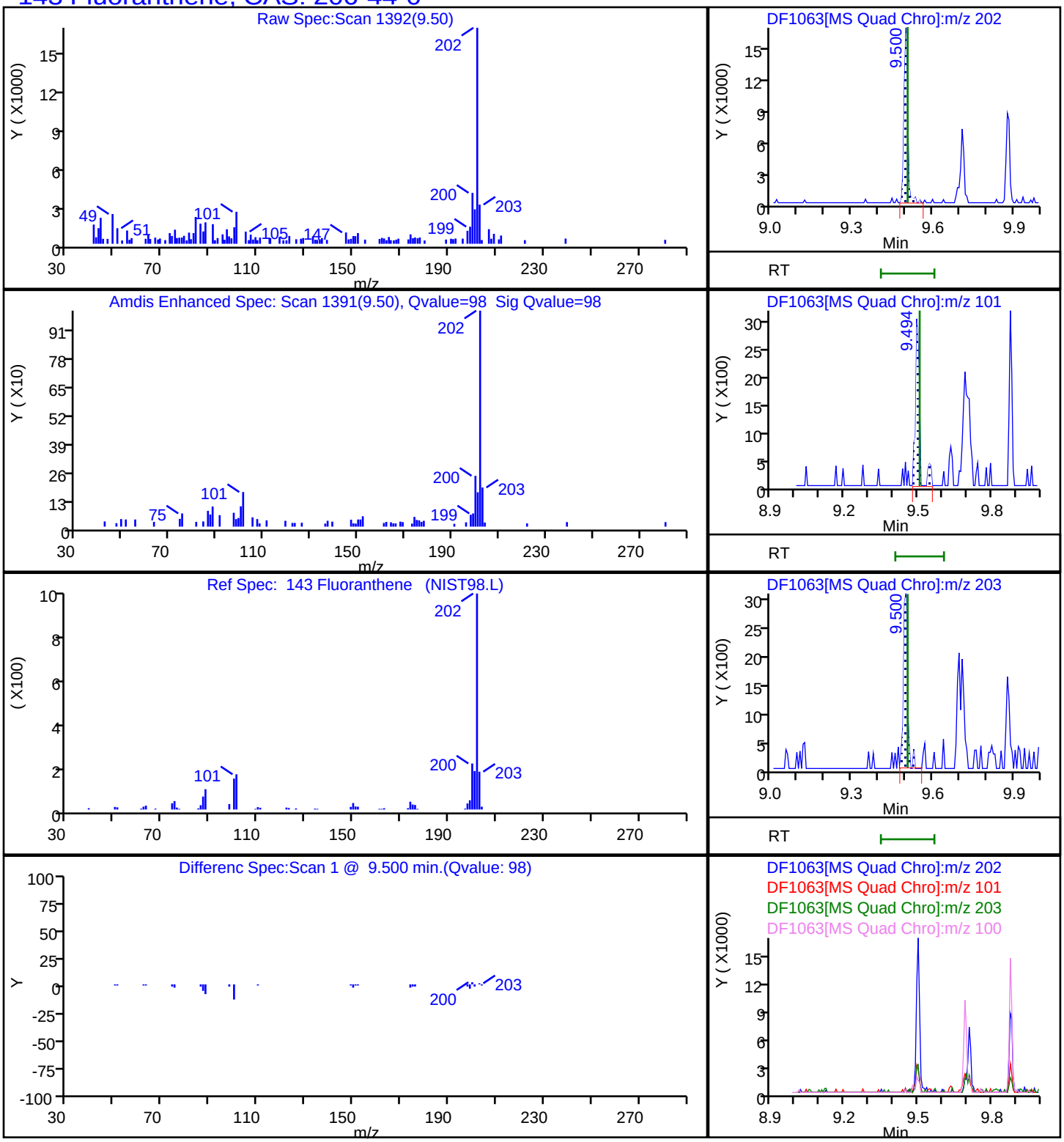
129 Anthracene, CAS: 120-12-7



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D				
Injection Date:	10-Jun-2025 23:53:05	Instrument ID:	HP19760		
Lims ID:	410-225004-F-5-A RE	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	IR93211	ALS Bottle#:	12	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

143 Fluoranthene, CAS: 206-44-0

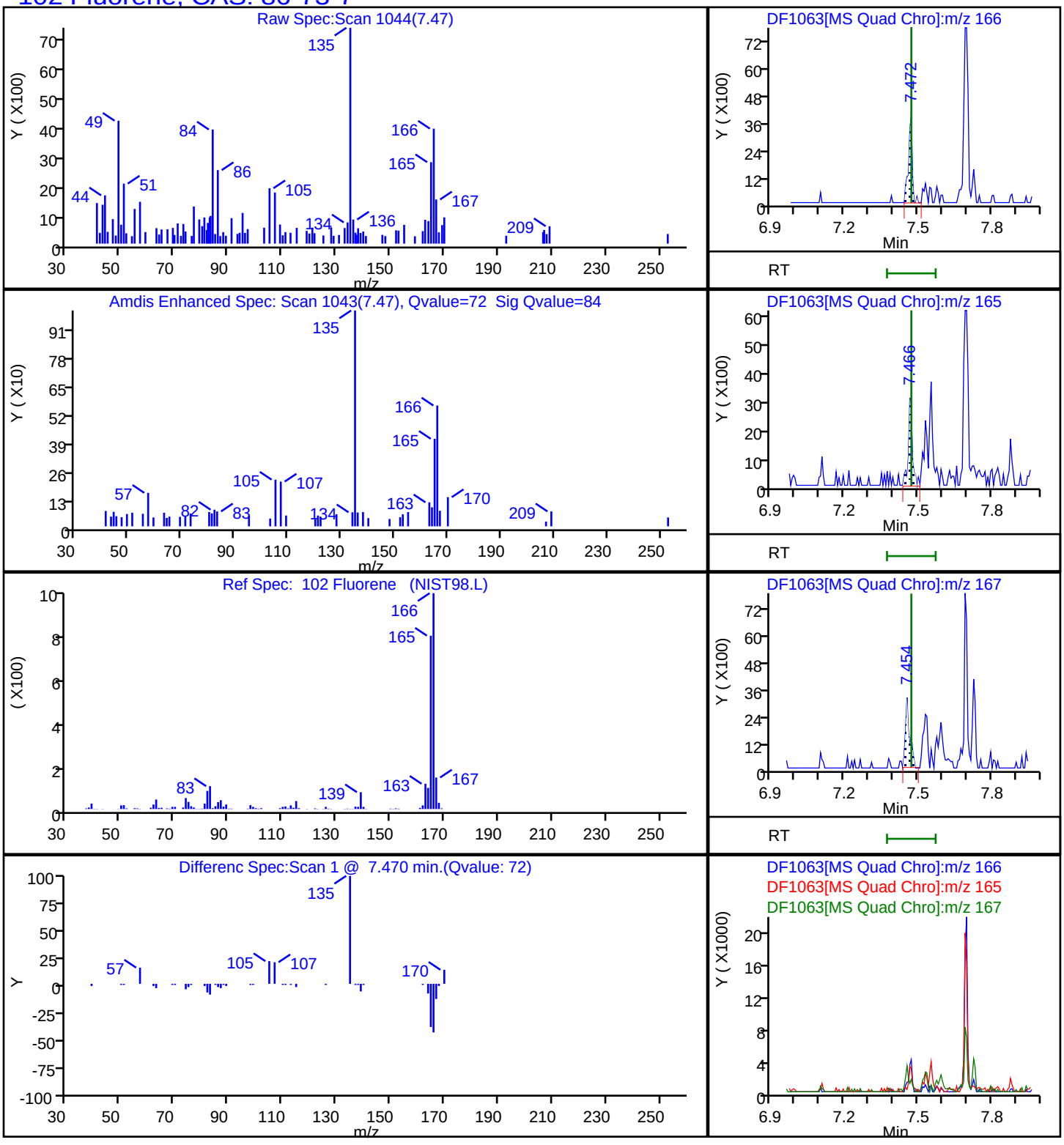


Report Date: 11-Jun-2025 15:44:09 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D		
Injection Date:	10-Jun-2025 23:53:05	Instrument ID:	HP19760
Lims ID:	410-225004-F-5-A RE	Lab Sample ID:	410-225004-5
Client ID:	MW-8		
Operator ID:	IR93211	ALS Bottle#:	12 Worklist Smp#: 14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

102 Fluorene, CAS: 86-73-7



Report Date: 11-Jun-2025 15:44:09 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D

Injection Date: 10-Jun-2025 23:53:05 Instrument ID: HP19760

Lims ID: 410-225004-F-5-A RE Lab Sample ID: 410-225004-5

Client ID: MW-8

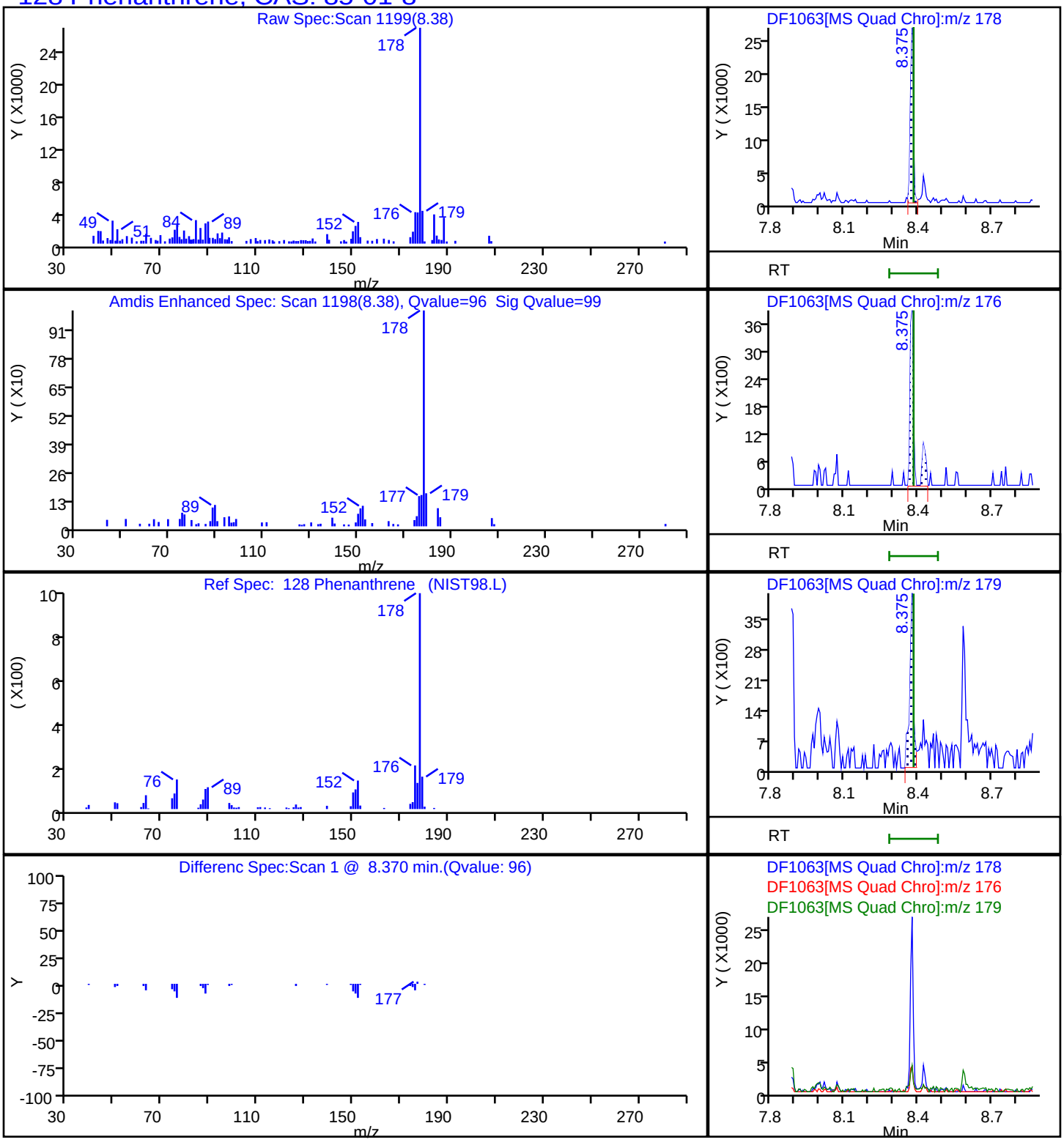
Operator ID: IR93211 ALS Bottle#: 12 Worklist Smp#: 14

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

128 Phenanthrene, CAS: 85-01-8

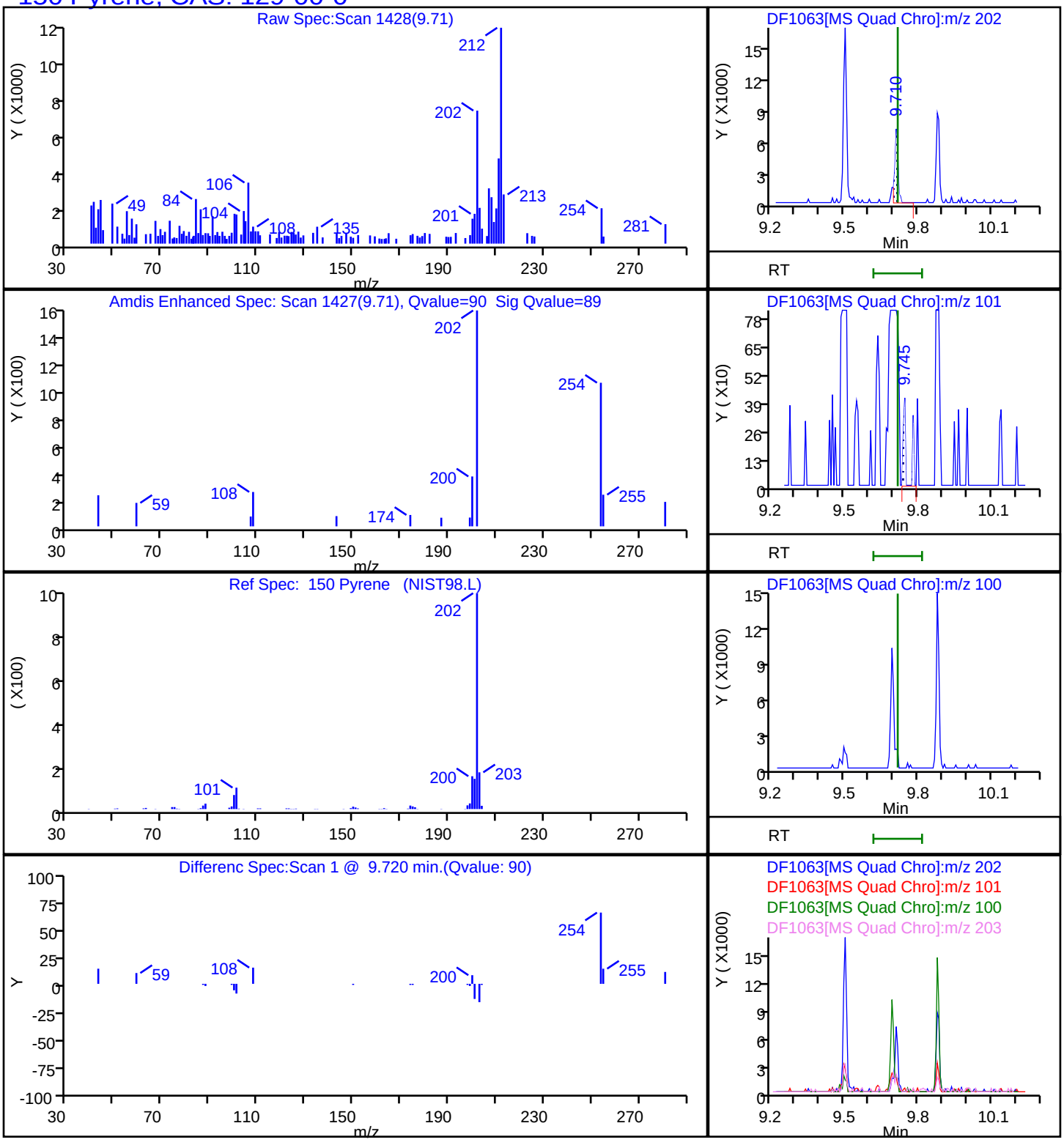


Report Date: 11-Jun-2025 15:44:09 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D				
Injection Date:	10-Jun-2025 23:53:05	Instrument ID:	HP19760		
Lims ID:	410-225004-F-5-A RE	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	IR93211	ALS Bottle#:	12	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

150 Pyrene, CAS: 129-00-0



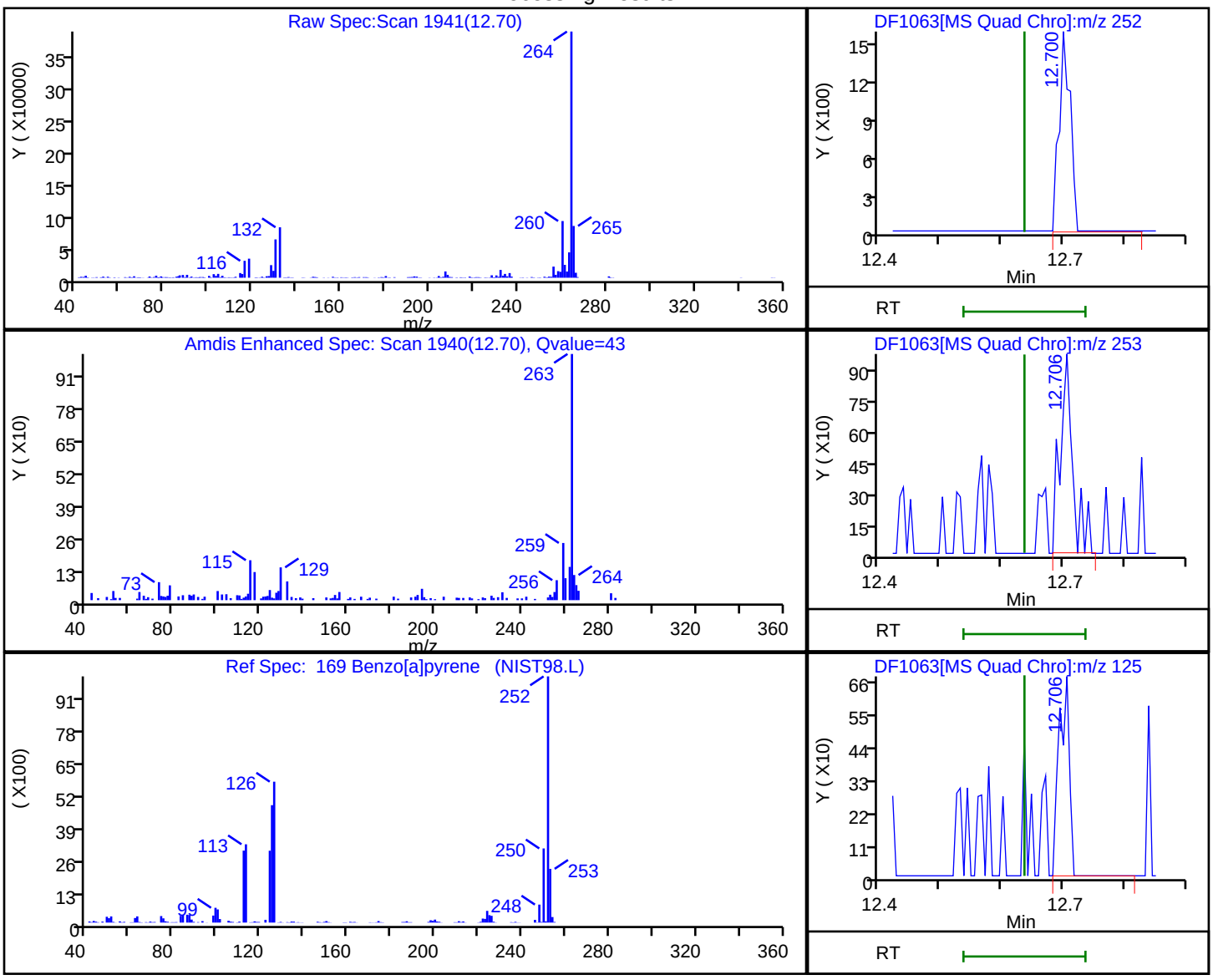
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D				
Injection Date:	10-Jun-2025 23:53:05	Instrument ID:	HP19760		
Lims ID:	410-225004-F-5-A RE	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	IR93211	ALS Bottle#:	12	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

169 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.70	252.00	1918	0.016400
12.71	253.00	1408	
12.71	125.00	788	

Reviewer: N5QU, 11-Jun-2025 15:37:20 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

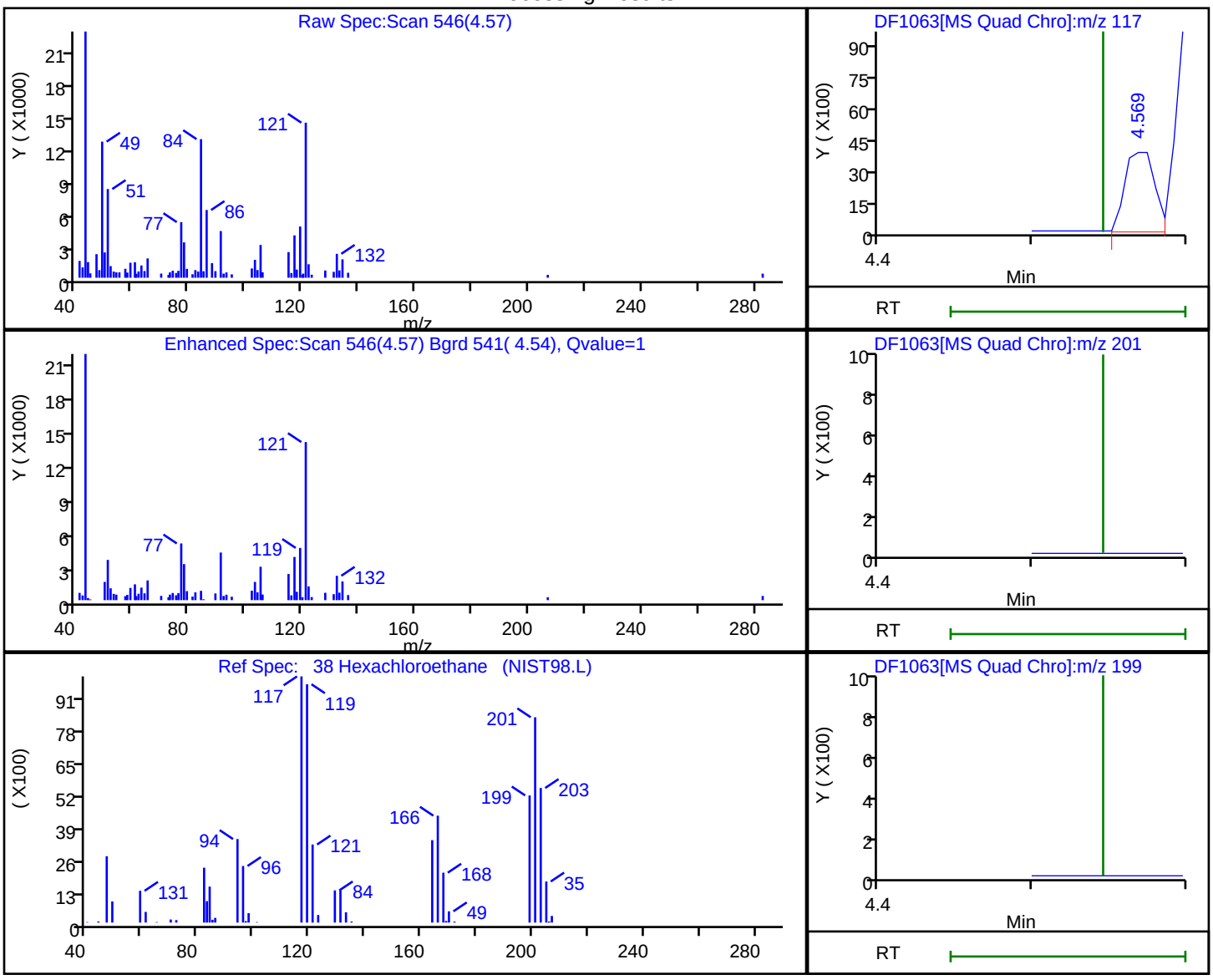
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D				
Injection Date:	10-Jun-2025 23:53:05	Instrument ID:	HP19760		
Lims ID:	410-225004-F-5-A RE	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	IR93211	ALS Bottle#:	12	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

38 Hexachloroethane, CAS: 67-72-1

Processing Results



RT	Mass	Response	Amount
4.57	117.00	5123	0.246003
4.55	201.00	0	
4.55	199.00	0	

Reviewer: N5QU, 11-Jun-2025 15:36:52 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

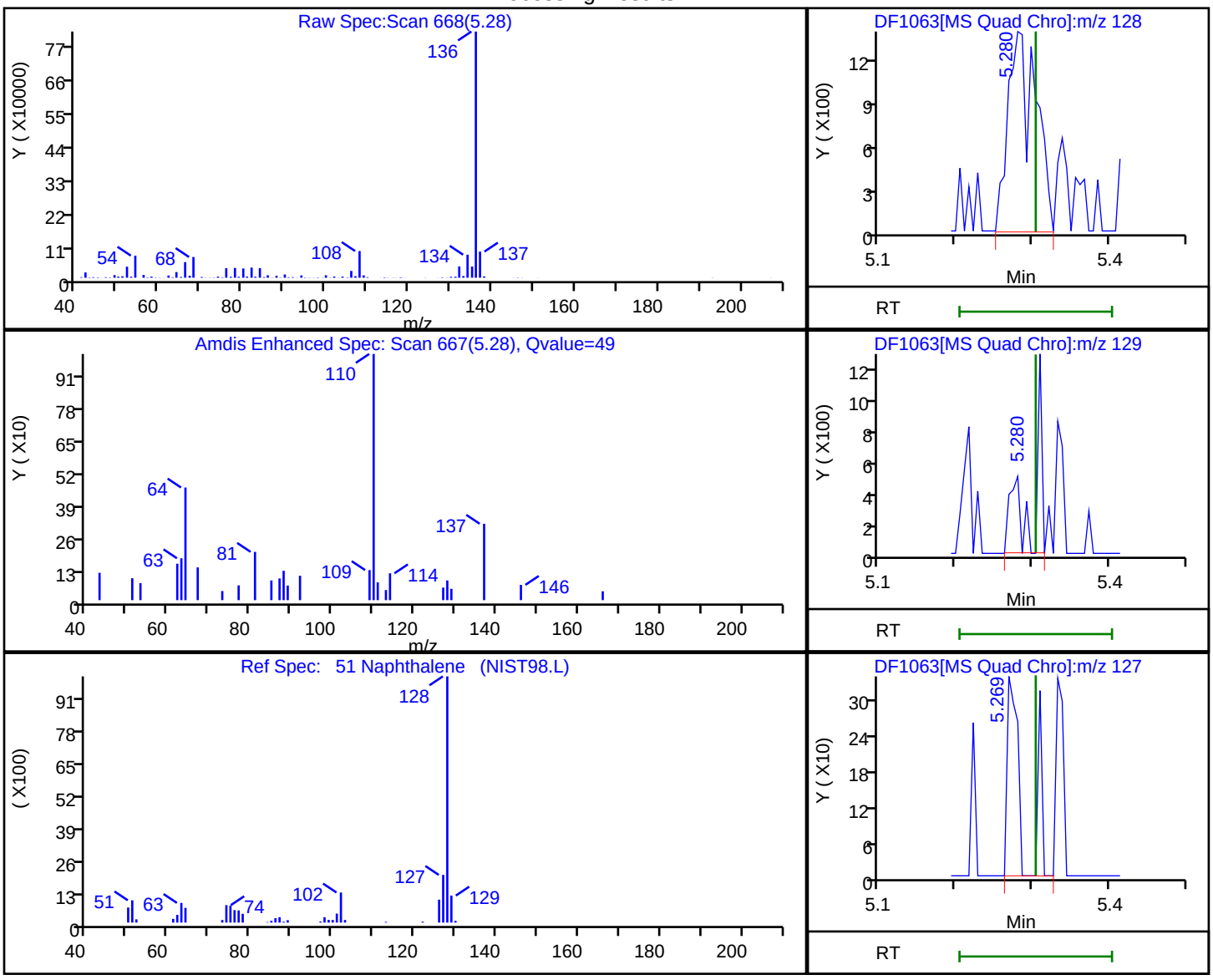
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D				
Injection Date:	10-Jun-2025 23:53:05	Instrument ID:	HP19760		
Lims ID:	410-225004-F-5-A RE	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	IR93211	ALS Bottle#:	12	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

51 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
5.28	128.00	3409	0.026499
5.28	129.00	1016	
5.27	127.00	419	

Reviewer: N5QU, 11-Jun-2025 15:37:00 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

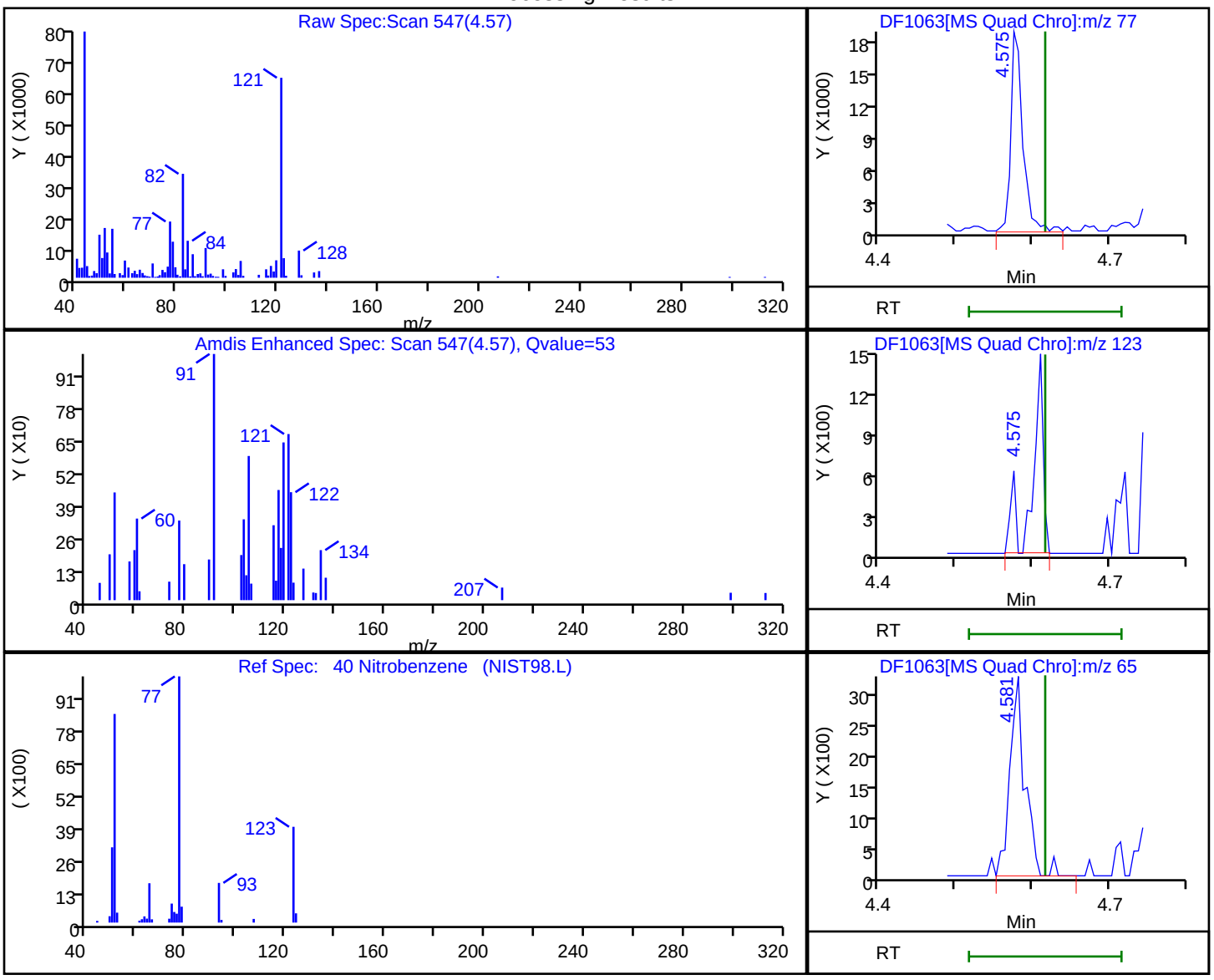
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D				
Injection Date:	10-Jun-2025 23:53:05	Instrument ID:	HP19760		
Lims ID:	410-225004-F-5-A RE	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	IR93211	ALS Bottle#:	12	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.57	77.00	19571	0.364593
4.57	123.00	1457	
4.58	65.00	4483	

Reviewer: N5QU, 11-Jun-2025 15:36:54 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

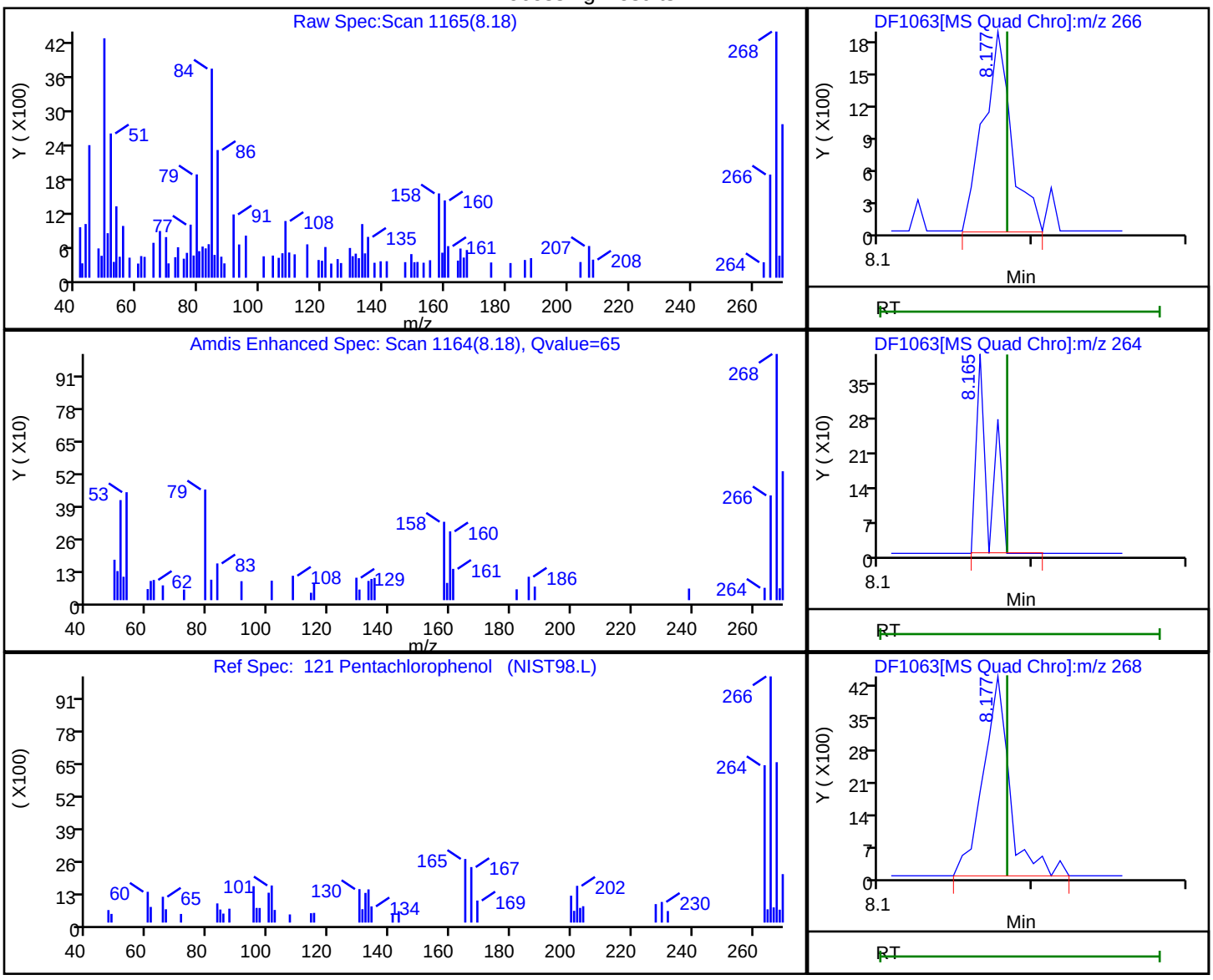
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1063.D				
Injection Date:	10-Jun-2025 23:53:05	Instrument ID:	HP19760		
Lims ID:	410-225004-F-5-A RE	Lab Sample ID:	410-225004-5		
Client ID:	MW-8				
Operator ID:	IR93211	ALS Bottle#:	12	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

121 Pentachlorophenol, CAS: 87-86-5

Processing Results



RT	Mass	Response	Amount
8.18	266.00	2318	0.709171
8.17	264.00	237	
8.18	268.00	5203	

Reviewer: N5QU, 11-Jun-2025 15:37:13 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: EB
Lab Sample ID: 410-225004-6

Matrix: Water
Lab File ID: JF0648.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:35

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 232(mL)
Date Analyzed: 06/06/2025 18:25

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		2.2	0.54
108-60-1	bis(1-chloroispropyl)ether	ND	cn	2.2	0.54
95-95-4	2,4,5-Trichlorophenol	ND		2.2	0.54
88-06-2	2,4,6-Trichlorophenol	ND		2.2	0.54
120-83-2	2,4-Dichlorophenol	ND		2.2	0.54
105-67-9	2,4-Dimethylphenol	ND		11	3.2
51-28-5	2,4-Dinitrophenol	ND		32	15
121-14-2	2,4-Dinitrotoluene	ND		5.4	1.1
606-20-2	2,6-Dinitrotoluene	ND		2.2	0.54
91-58-7	2-Chloronaphthalene	ND		1.1	0.43
95-57-8	2-Chlorophenol	ND		2.2	0.54
91-57-6	2-Methylnaphthalene	ND		0.54	0.11
95-48-7	2-Methylphenol	ND		2.2	0.54
88-74-4	2-Nitroaniline	ND		5.4	1.1
88-75-5	2-Nitrophenol	ND		5.4	1.1
91-94-1	3,3'-Dichlorobenzidine	ND	cn	11	4.3
99-09-2	3-Nitroaniline	ND		5.4	2.2
534-52-1	4,6-Dinitro-2-methylphenol	ND		23	8.6
101-55-3	4-Bromophenyl-phenylether	ND		2.2	0.54
59-50-7	4-Chloro-3-methylphenol	ND		5.4	1.1
106-47-8	4-Chloroaniline	ND		11	4.3
7005-72-3	4-Chlorophenyl-phenyl ether	ND		2.2	0.54
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND		2.2	0.54
100-01-6	4-Nitroaniline	ND		3.2	0.97
100-02-7	4-Nitrophenol	ND		32	11
83-32-9	Acenaphthene	ND		0.54	0.11
208-96-8	Acenaphthylene	ND		0.54	0.11
98-86-2	Acetophenone	ND		5.4	1.1
120-12-7	Anthracene	ND		0.54	0.11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: EB
Lab Sample ID: 410-225004-6

Matrix: Water
Lab File ID: JF0648.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:35

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 232(mL)
Date Analyzed: 06/06/2025 18:25

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND		5.4	1.1
100-52-7	Benzaldehyde	ND		5.4	1.1
56-55-3	Benzo[a]anthracene	ND		0.54	0.11
50-32-8	Benzo[a]pyrene	ND		0.54	0.12
205-99-2	Benzo[b]fluoranthene	ND		0.54	0.11
191-24-2	Benzo[g,h,i]perylene	ND		0.54	0.11
207-08-9	Benzo[k]fluoranthene	ND		0.54	0.11
85-68-7	Butylbenzylphthalate	ND		5.4	2.2
105-60-2	Caprolactam	ND		7.5	3.2
86-74-8	Carbazole	ND		2.2	0.54
218-01-9	Chrysene	ND		0.54	0.11
84-74-2	Di-n-butyl phthalate	ND		5.4	2.2
117-84-0	Di-n-octyl phthalate	ND		12	5.4
53-70-3	Dibenz(a,h)anthracene	ND		0.54	0.11
132-64-9	Dibenzofuran	ND		2.2	0.54
84-66-2	Diethyl phthalate	ND		5.4	2.2
131-11-3	Dimethyl phthalate	ND		5.4	2.2
206-44-0	Fluoranthene	ND		0.54	0.11
86-73-7	Fluorene	ND		0.54	0.13
118-74-1	Hexachlorobenzene	ND		0.54	0.12
87-68-3	Hexachlorobutadiene	ND		2.2	0.54
77-47-4	Hexachlorocyclopentadiene	ND		12	5.4
67-72-1	Hexachloroethane	ND		5.4	0.54
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.54	0.12
78-59-1	Isophorone	ND		2.2	0.54
621-64-7	N-Nitrosodi-n-propylamine	ND		2.2	0.54
86-30-6	N-Nitrosodiphenylamine	ND		2.2	0.54
91-20-3	Naphthalene	ND		0.54	0.28
98-95-3	Nitrobenzene	ND		2.2	0.54
87-86-5	Pentachlorophenol	ND		5.4	2.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: EB
Lab Sample ID: 410-225004-6

Matrix: Water
Lab File ID: JF0648.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:35

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 232(mL)
Date Analyzed: 06/06/2025 18:25

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND		0.54	0.12
108-95-2	Phenol	ND		2.2	0.54
129-00-0	Pyrene	ND		0.54	0.11
111-91-1	Bis(2-chloroethoxy)methane	ND		2.2	0.54
111-44-4	Bis(2-chloroethyl)ether	ND		2.2	0.54
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.4	2.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	60		13-134
321-60-8	2-Fluorobiphenyl (Surr)	62		45-120
367-12-4	2-Fluorophenol (Surr)	28		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	51		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	82		26-123
4165-62-2	Phenol-d5 (Surr)	18		10-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: EB
Lab Sample ID: 410-225004-6

Matrix: Water
Lab File ID: JF0648.D

Analysis Method: 8270E
Date Collected: 05/29/2025 09:35

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 232(mL)
Date Analyzed: 06/06/2025 18:25

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

Number TICs Found: 3
TIC Result Total: 17.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	3.35	7.1	T J B	
	Unknown	3.61	5.0	T J	
	Unknown	12.46	5.7	T J	

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0648.D
Lims ID: 410-225004-G-6-A
Client ID: EB
Sample Type: Client
Inject. Date: 06-Jun-2025 18:25:30 ALS Bottle#: 27 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-6-A
Misc. Info.: 410-0149501-032
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:44:11

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$	9 2-Fluorophenol	112	2.952	2.953	-0.005	96	428376	7.07	
	13 Benzaldehyde	77		3.792				ND	7
$	15 Phenol-d5	99	3.874	3.869	0.000	94	398336	4.41	
	16 Phenol	94		3.886				ND	7
	18 Bis(2-chloroethyl)ether	93		3.962				ND	7
	19 2-Chlorophenol	128		4.014				ND	7
*	22 1,4-Dichlorobenzene-d4	152	4.207	4.213	-0.006	97	204046	5.00	
	29 2-Methylphenol	108		4.476				ND	
	30 2,2'-oxybis[1-chloropropane]	45		4.481				ND	7
	32 Acetophenone	105		4.604				ND	7
	33 N-Nitrosodi-n-propylamine	70		4.610				ND	7
	34 4-Methylphenol	108		4.627				ND	7
	37 Hexachloroethane	117		4.698				ND	7
$	39 Nitrobenzene-d5	82	4.744	4.745	-0.006	89	1106555	12.8	
	40 Nitrobenzene	77		4.768				ND	U
	42 Isophorone	82		5.001				ND	7
	43 2-Nitrophenol	139		5.077				ND	7
	44 2,4-Dimethylphenol	107		5.135				ND	7
	47 Bis(2-chloroethoxy)methane	93		5.223				ND	7
	49 2,4-Dichlorophenol	162		5.316				ND	
*	52 Naphthalene-d8	136	5.433	5.439	-0.006	99	694215	5.00	
	53 Naphthalene	128		5.457				ND	7
	56 4-Chloroaniline	127		5.527				ND	7
	59 Hexachlorobutadiene	225		5.579				ND	7
	62 Caprolactam	113		5.854				ND	7
	65 4-Chloro-3-methylphenol	107		6.011				ND	7
	67 2-Methylnaphthalene	142		6.128				ND	7
	71 Hexachlorocyclopentadiene	237		6.274				ND	
	79 2,4,6-Trichlorophenol	196		6.408				ND	7
	80 2,4,5-Trichlorophenol	196		6.449				ND	7
$	81 2-Fluorobiphenyl (Surr)	172	6.478	6.479	-0.006	99	1539304	15.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
83 1,1'-Biphenyl	154		6.578				ND	7
84 2-Chloronaphthalene	162		6.589				ND	7
87 2-Nitroaniline	138		6.700				ND	7
90 Dimethyl phthalate	163		6.881				ND	7
92 2,6-Dinitrotoluene	165		6.940				ND	
93 Acenaphthylene	152		6.986				ND	7
95 3-Nitroaniline	138		7.097				ND	7
* 96 Acenaphthene-d10	164	7.115	7.121	-0.006	96	353335	5.00	
97 Acenaphthene	153		7.150				ND	7
98 2,4-Dinitrophenol	184		7.197				ND	7
100 4-Nitrophenol	109		7.290				ND	7
101 Dibenzofuran	168		7.313				ND	7
102 2,4-Dinitrotoluene	165		7.319				ND	7
107 Diethyl phthalate	149		7.559				ND	7
108 Fluorene	166		7.640				ND	7
110 4-Chlorophenyl phenyl ether	204		7.652				ND	
112 4-Nitroaniline	138		7.681				ND	
113 4,6-Dinitro-2-methylphenol	198		7.705				ND	7
114 N-Nitrosodiphenylamine	169		7.769				ND	7
$ 116 2,4,6-Tribromophenol	330	7.868	7.868	-0.006	92	304400	14.9	
122 4-Bromophenyl phenyl ether	248		8.113				ND	7
124 Hexachlorobenzene	284		8.160				ND	
126 Atrazine	200		8.289				ND	7
127 Pentachlorophenol	266		8.359				ND	7
* 131 Phenanthrene-d10	188	8.522	8.534	-0.012	98	691925	5.00	
132 Phenanthrene	178		8.551				ND	7
135 Anthracene	178		8.604				ND	7
136 Carbazole	167		8.767				ND	7
138 Di-n-butyl phthalate	149		9.118				ND	7
144 Fluoranthene	202		9.684				ND	7
* 146 Pyrene-d10 (IS)	212	9.871	9.883	-0.012	98	736139	5.00	
147 Pyrene	202		9.900				ND	7
$ 148 p-Terphenyl-d14	244	10.058	10.058	-0.006	98	2410287	20.5	
153 Butyl benzyl phthalate	149		10.572				ND	7
157 3,3'-Dichlorobenzidine	252		11.138				ND	7
156 Benzo[a]anthracene	228		11.138				ND	7
159 Chrysene	228		11.185				ND	7
160 Bis(2-ethylhexyl) phthalate	149		11.237				ND	7
162 Di-n-octyl phthalate	149		12.066				ND	7
164 Benzo[b]fluoranthene	252		12.498				ND	7
165 Benzo[k]fluoranthene	252		12.534				ND	7
166 Benzo[a]pyrene	252		12.936				ND	U
* 167 Perylene-d12	264	13.006	13.012	-0.006	97	625474	5.00	
171 Indeno[1,2,3-cd]pyrene	276		14.525				ND	7
172 Dibenz(a,h)anthracene	278		14.565				ND	7
173 Benzo[g,h,i]perylene	276		14.869				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC
Tentatively Identified Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0648.D
Lims ID: 410-225004-G-6-A
Client ID: EB
Sample Type: Client
Inject. Date: 06-Jun-2025 18:25:30 ALS Bottle#: 27 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-6-A
Misc. Info.: 410-0149501-032
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Tic RT Window: 0.000 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 20.00000
MS Library: \\chromfs\Lancaster\Database\NIST98.L
Min. Match: 85

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:44:11

Tentative Identified Compound Results

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
	Unknown							
3.349	421340	1.65	22					
	Unknown							
3.606	295383	1.16	22					
	Unknown							
12.463	536416	1.33	167					

Quantitation Compounds

Compound	RT	Area	Amount ug/ml
* 22 1,4-Dichlorobenzene-d4	4.207	1276974	5.00
* 167 Perylene-d12	13.006	2011227	5.00

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

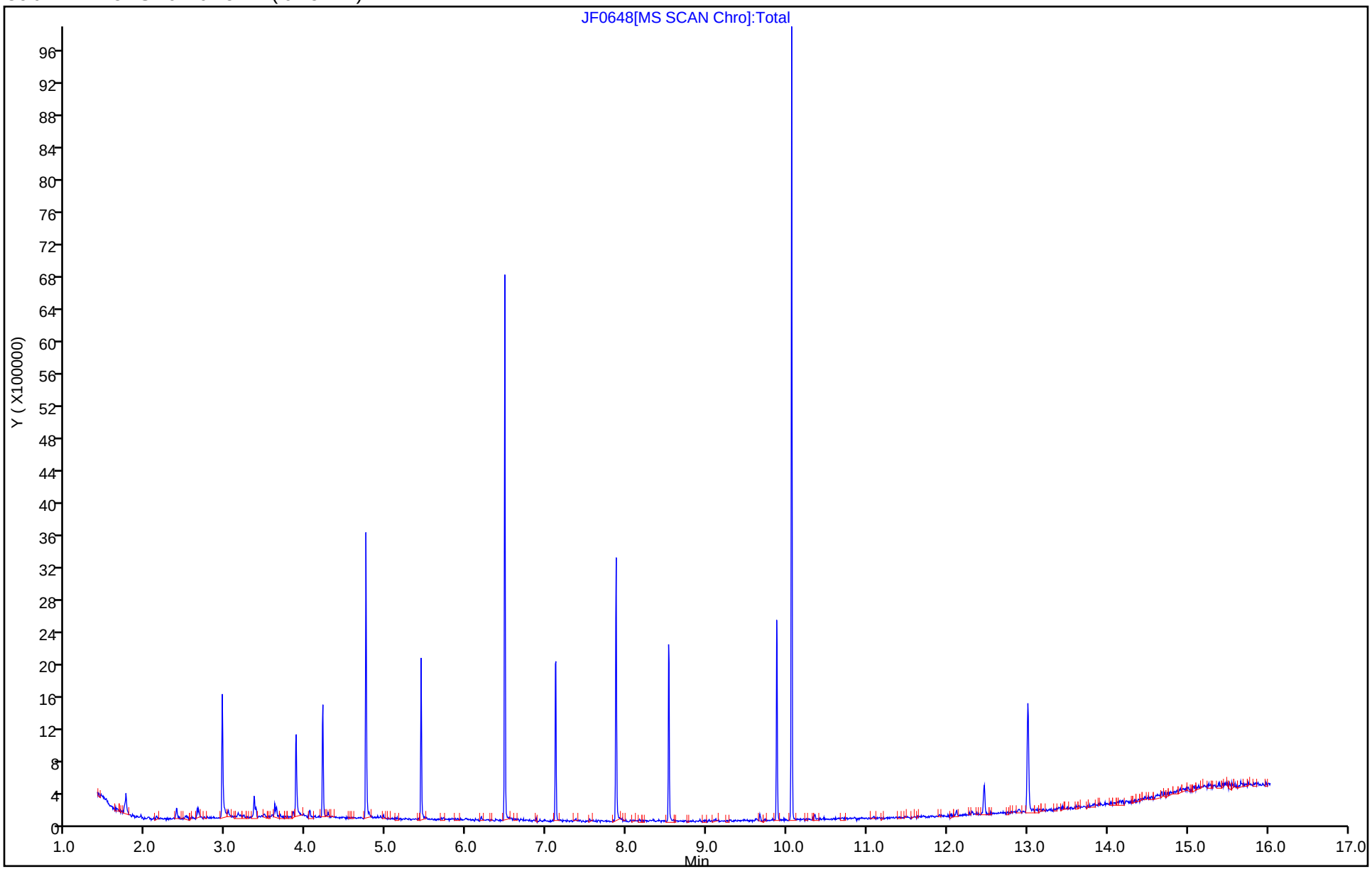
Report Date: 06-Jun-2025 19:44:37 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0648.D

Injection Date:	06-Jun-2025 18:25:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-225004-G-6-A	Lab Sample ID:	410-225004-6	Worklist Smp#:	32
Client ID:	EB				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0648.D
Lims ID: 410-225004-G-6-A
Client ID: EB
Sample Type: Client
Inject. Date: 06-Jun-2025 18:25:30 ALS Bottle#: 27 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-6-A
Misc. Info.: 410-0149501-032
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:44:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	7.07	28.28
$ 15 Phenol-d5	25.0	4.41	17.64
$ 39 Nitrobenzene-d5	25.0	12.8	51.06
$ 81 2-Fluorobiphenyl (Surr)	25.0	15.5	61.83
$ 116 2,4,6-Tribromophenol	25.0	14.9	59.80
$ 148 p-Terphenyl-d14	25.0	20.5	82.17

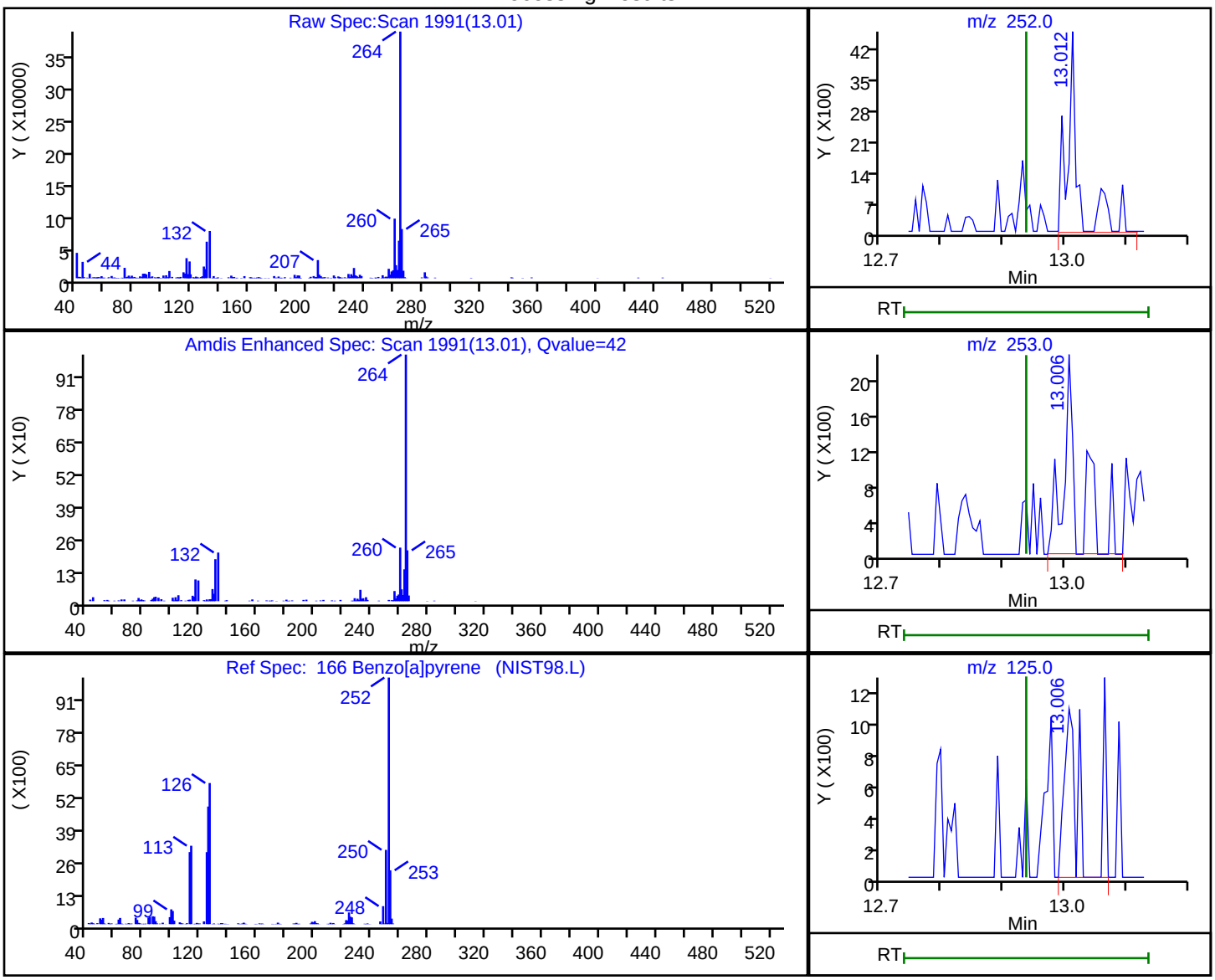
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0648.D				
Injection Date:	06-Jun-2025 18:25:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-6-A	Lab Sample ID:	410-225004-6		
Client ID:	EB				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
13.01	252.00	5400	0.035731
13.01	253.00	3724	
13.01	125.00	1833	

Reviewer: N5QU, 06-Jun-2025 19:43:25 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

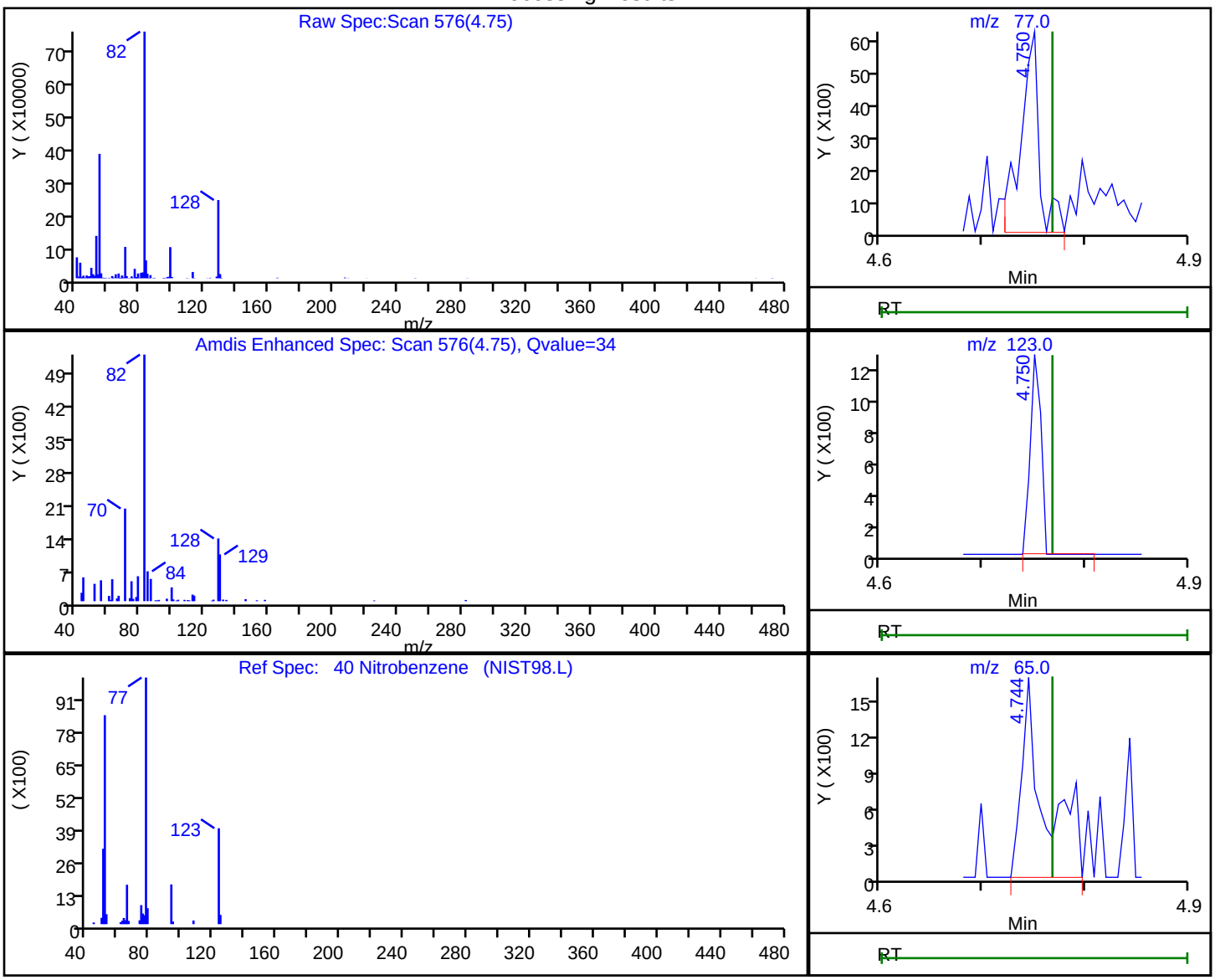
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0648.D				
Injection Date:	06-Jun-2025 18:25:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-6-A	Lab Sample ID:	410-225004-6		
Client ID:	EB				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.75	77.00	7658	0.090100
4.75	123.00	942	
4.74	65.00	2615	

Reviewer: N5QU, 06-Jun-2025 19:43:12 -04:00:00 (UTC)

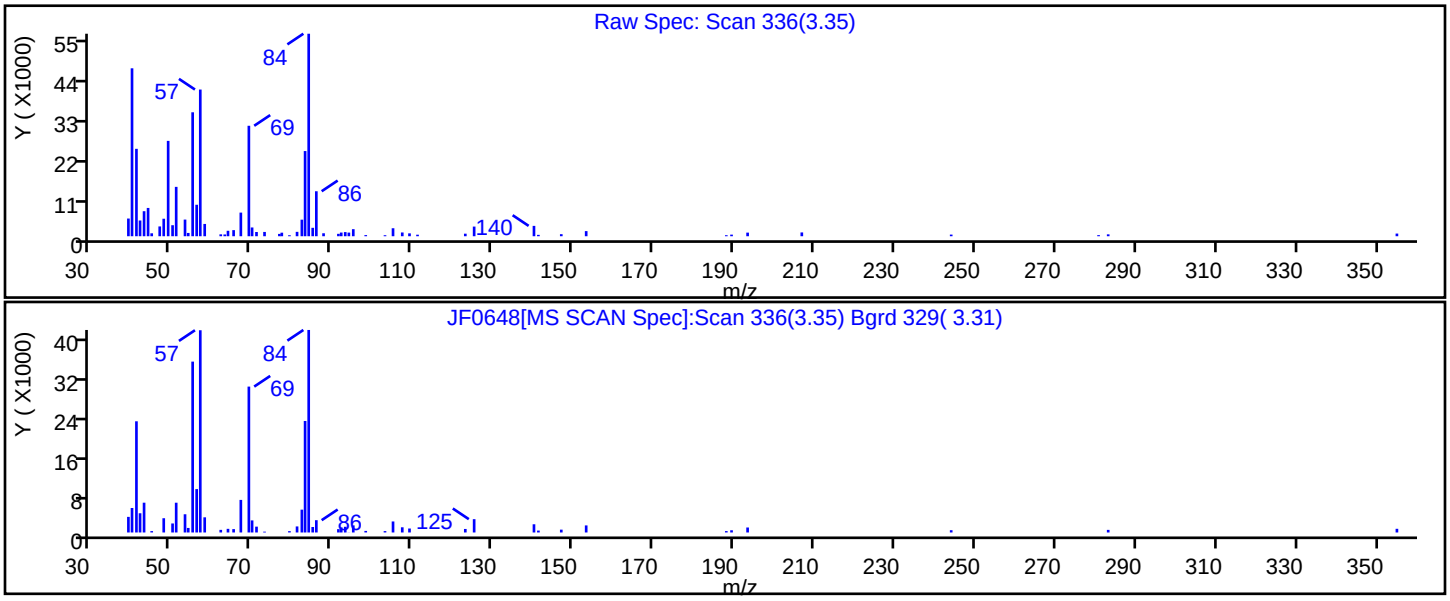
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 06-Jun-2025 19:44:37 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0648.D				
Injection Date:	06-Jun-2025 18:25:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-6-A	Lab Sample ID:	410-225004-6		
Client ID:	EB				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

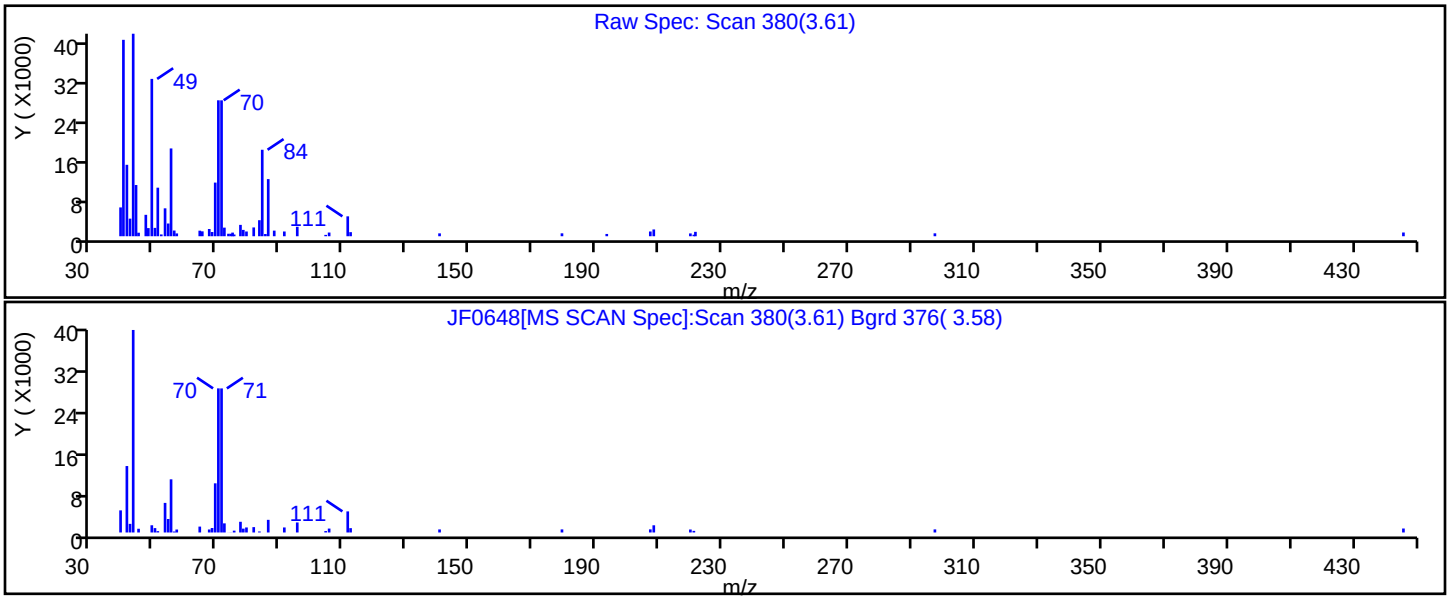


Report Date: 06-Jun-2025 19:44:37 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0648.D				
Injection Date:	06-Jun-2025 18:25:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-6-A	Lab Sample ID:	410-225004-6		
Client ID:	EB				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

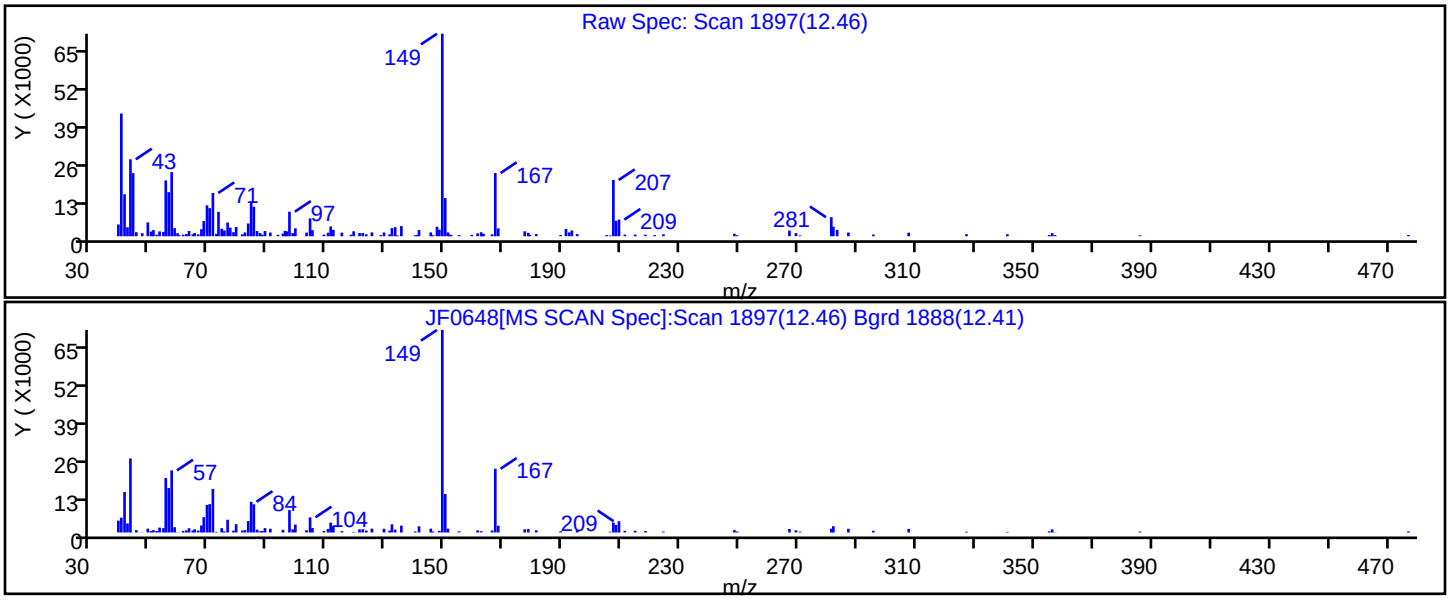


Report Date: 06-Jun-2025 19:44:37 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0648.D				
Injection Date:	06-Jun-2025 18:25:30	Instrument ID:	HP23264		
Lims ID:	410-225004-G-6-A	Lab Sample ID:	410-225004-6		
Client ID:	EB				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 629105

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/10/2025 22:40 Calibration End Date: 04/11/2025 00:32 Calibration ID: 71664

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-629105/18	HD1017.D
Level 2	IC 410-629105/17	HD1016.D
Level 3	IC 410-629105/16	HD1015.D
Level 4	IC 410-629105/15	HD1014.D
Level 5	IC 410-629105/14	HD1013.D
Level 6	IC 410-629105/13	HD1012.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methapyrilene	+++++ 0.2333	0.1090	0.1438	0.1934	0.2131	Lin2	-0.520	0.2371							0.9910		0.9900
Famphur	0.1750 0.3600	0.2080	0.2767	0.3394	0.3462	Lin1	-0.337	0.3609							0.9940		0.9900
Kepone	0.1015 0.1313	0.1088	0.1193	0.1275	0.1275	Lin2	-0.425	0.1324							0.9980		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 629105

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/10/2025 22:40 Calibration End Date: 04/11/2025 00:32 Calibration ID: 71664

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-629105/18	HD1017.D
Level 2	IC 410-629105/17	HD1016.D
Level 3	IC 410-629105/16	HD1015.D
Level 4	IC 410-629105/15	HD1014.D
Level 5	IC 410-629105/14	HD1013.D
Level 6	IC 410-629105/13	HD1012.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methapyrilene	PHN	Lin2	+++++ 849192	49333	155365	381778	508290	+++++ 30.0	3.75	7.50	12.5	20.0
Famphur	PYR10	Lin1	28922 1376603	96705	308621	702866	868015	1.25 30.0	3.75	7.50	12.5	20.0
Kepone	PYR10	Lin2	167723 1673634	337334	709851	1267673	1278139	12.5 100	25.0	40.0	60.0	80.0

Curve Type Legend:

Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 629105

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/10/2025 22:40 Calibration End Date: 04/11/2025 00:32 Calibration ID: 71664

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-629105/18	HD1017.D
Level 2	IC 410-629105/17	HD1016.D
Level 3	IC 410-629105/16	HD1015.D
Level 4	IC 410-629105/15	HD1014.D
Level 5	IC 410-629105/14	HD1013.D
Level 6	IC 410-629105/13	HD1012.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methapyrilene	+++++	4.5	-10.1	-0.9	0.8	5.7		50	30	30	30	30
Famphur	23.3	-17.4	-10.9	1.5	0.6	2.9	50	30	30	30	30	30
Kepone	2.3	-4.9	-1.8	1.7	0.3	2.4	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1012.D
Lims ID: IC L8 ABC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 10-Apr-2025 22:40:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8 ABC
Misc. Info.: 410-0143698-013
Operator ID: IR93211 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub25

Method: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Apr-2025 07:54:49 Calib Date: 11-Apr-2025 00:32:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1017.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1700

First Level Reviewer: N5QU Date: 10-Apr-2025 23:16:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	4.828	4.828	0.000	96	149818	5.00	5.00	
* 54 Naphthalene-d8	136	6.081	6.081	0.000	99	549392	5.00	5.00	
* 91 Acenaphthene-d10	164	7.834	7.834	0.000	94	304257	5.00	5.00	
* 127 Phenanthrene-d10	188	9.304	9.304	0.000	96	606600	5.00	5.00	
83 Methapyrilene	97	10.163	10.163	0.000	95	849192	30.0	31.7	
* 140 Pyrene-d10 (IS)	212	10.739	10.739	0.000	98	637392	5.00	5.00	
100 Famphur	218	11.433	11.433	0.000	82	1376603	30.0	30.9	
102 Kepone	272	11.569	11.569	0.000	96	1673634	100.0	102.4	
* 159 Perylene-d12	264	14.404	14.404	0.000	99	563393	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVABC_8_00015 Amount Added: 1.00 Units: mL

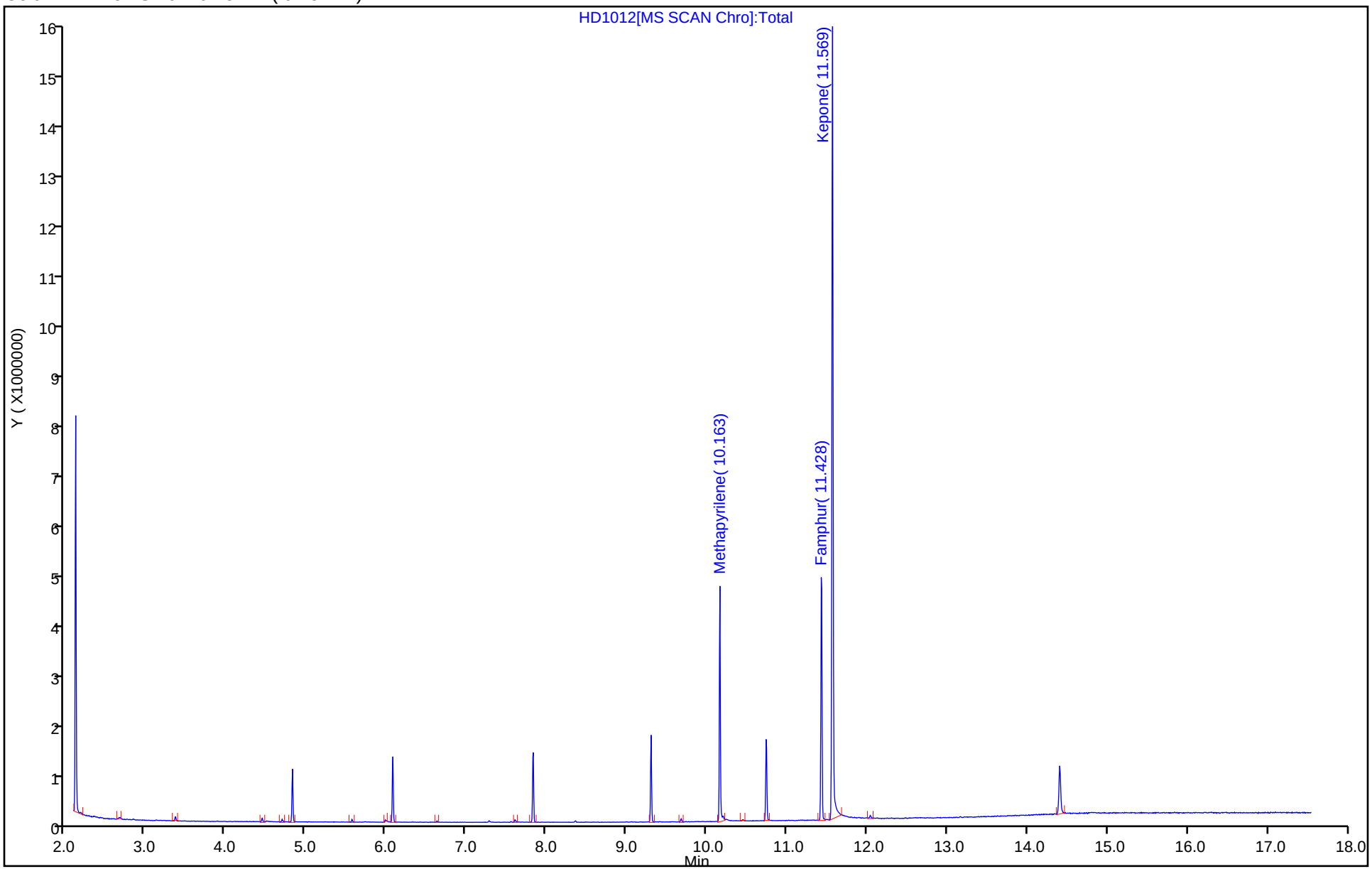
Report Date: 11-Apr-2025 07:54:49 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1012.D

Injection Date:	10-Apr-2025 22:40:30	Instrument ID:	HP18831	Operator ID:	IR93211
Lims ID:	IC L8 ABC			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1013.D
Lims ID: IC L7 ABC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 10-Apr-2025 23:02:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7 ABC
Misc. Info.: 410-0143698-014
Operator ID: IR93211 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub25

Method: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Apr-2025 07:54:51 Calib Date: 11-Apr-2025 00:32:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1017.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1700

First Level Reviewer: N5QU Date: 10-Apr-2025 23:28:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	4.828	4.828	0.000	96	146683	5.00	5.00	
* 54 Naphthalene-d8	136	6.081	6.081	0.000	99	548453	5.00	5.00	
* 91 Acenaphthene-d10	164	7.834	7.834	0.000	95	299296	5.00	5.00	
* 127 Phenanthrene-d10	188	9.304	9.304	0.000	96	596331	5.00	5.00	
83 Methapyrilene	97	10.163	10.163	0.000	95	508290	20.0	20.2	
* 140 Pyrene-d10 (IS)	212	10.739	10.739	0.000	98	626738	5.00	5.00	
100 Famphur	218	11.433	11.433	0.000	82	868015	20.0	20.1	
102 Kepone	272	11.569	11.569	0.000	96	1278139	80.0	80.2	
* 159 Perylene-d12	264	14.404	14.404	0.000	99	549783	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_7_00014 Amount Added: 1.00 Units: mL

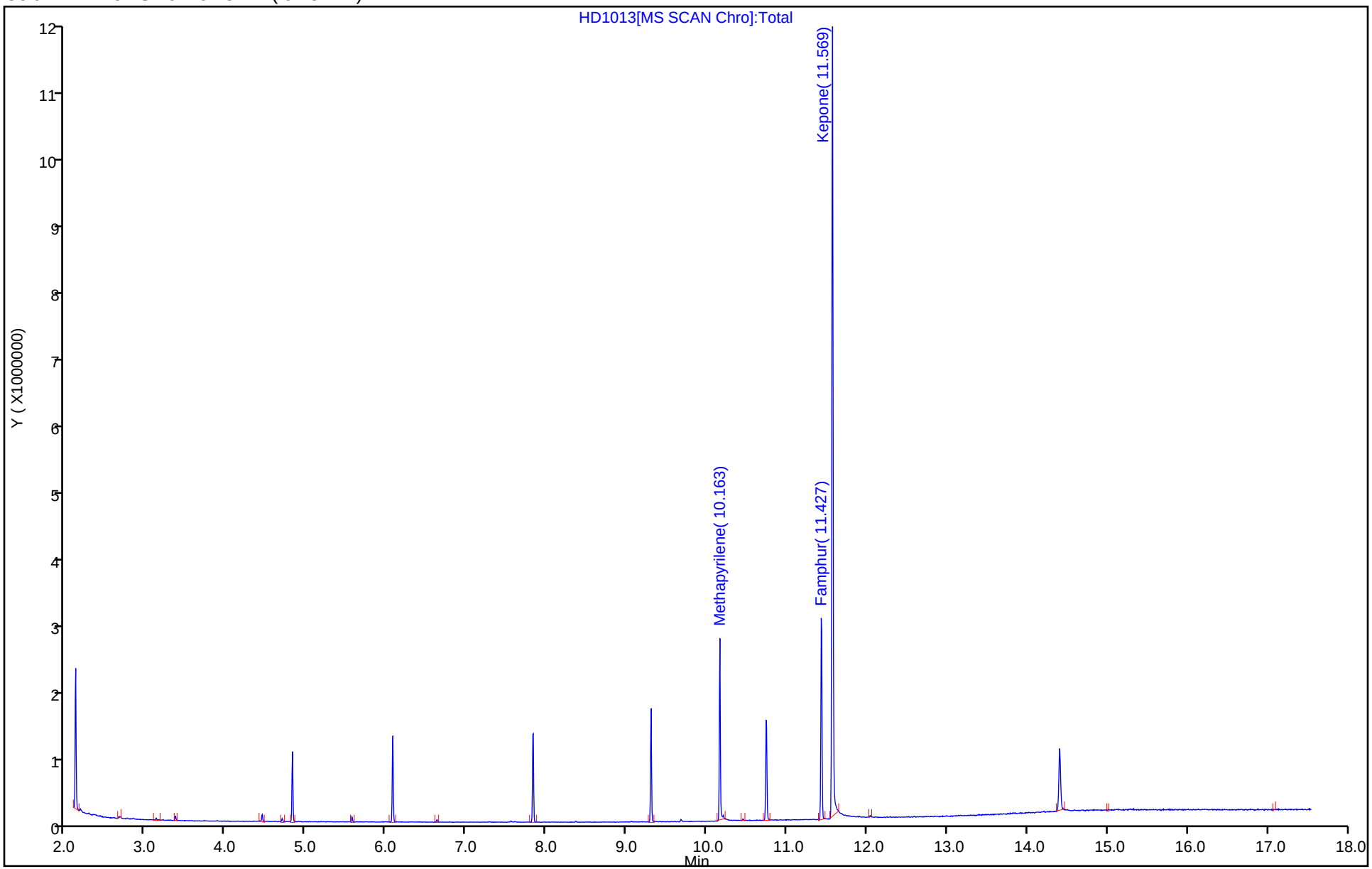
Report Date: 11-Apr-2025 07:54:51 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1013.D

Injection Date:	10-Apr-2025 23:02:30	Instrument ID:	HP18831	Operator ID:	IR93211
Lims ID:	IC L7 ABC			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1014.D
Lims ID: IC L6 ABC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 10-Apr-2025 23:25:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6 ABC
Misc. Info.: 410-0143698-015
Operator ID: IR93211 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub25

Method: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Apr-2025 07:54:53 Calib Date: 11-Apr-2025 00:32:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1017.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1700

First Level Reviewer: SJ89 Date: 11-Apr-2025 07:49:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	4.828	4.828	0.000	96	177646	5.00	5.00	
* 54 Naphthalene-d8	136	6.081	6.081	0.000	99	685759	5.00	5.00	
* 91 Acenaphthene-d10	164	7.833	7.834	-0.001	94	386550	5.00	5.00	
* 127 Phenanthrene-d10	188	9.304	9.304	0.000	96	789767	5.00	5.00	
83 Methapyrilene	97	10.163	10.163	0.000	95	381778	12.5	12.4	
* 140 Pyrene-d10 (IS)	212	10.739	10.739	0.000	98	828383	5.00	5.00	
100 Famphur	218	11.427	11.433	-0.006	83	702866	12.5	12.7	
102 Kepone	272	11.569	11.569	-0.001	96	1267673	60.0	61.0	
* 159 Perylene-d12	264	14.404	14.404	0.000	99	750270	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVABC_6_00020 Amount Added: 1.00 Units: mL

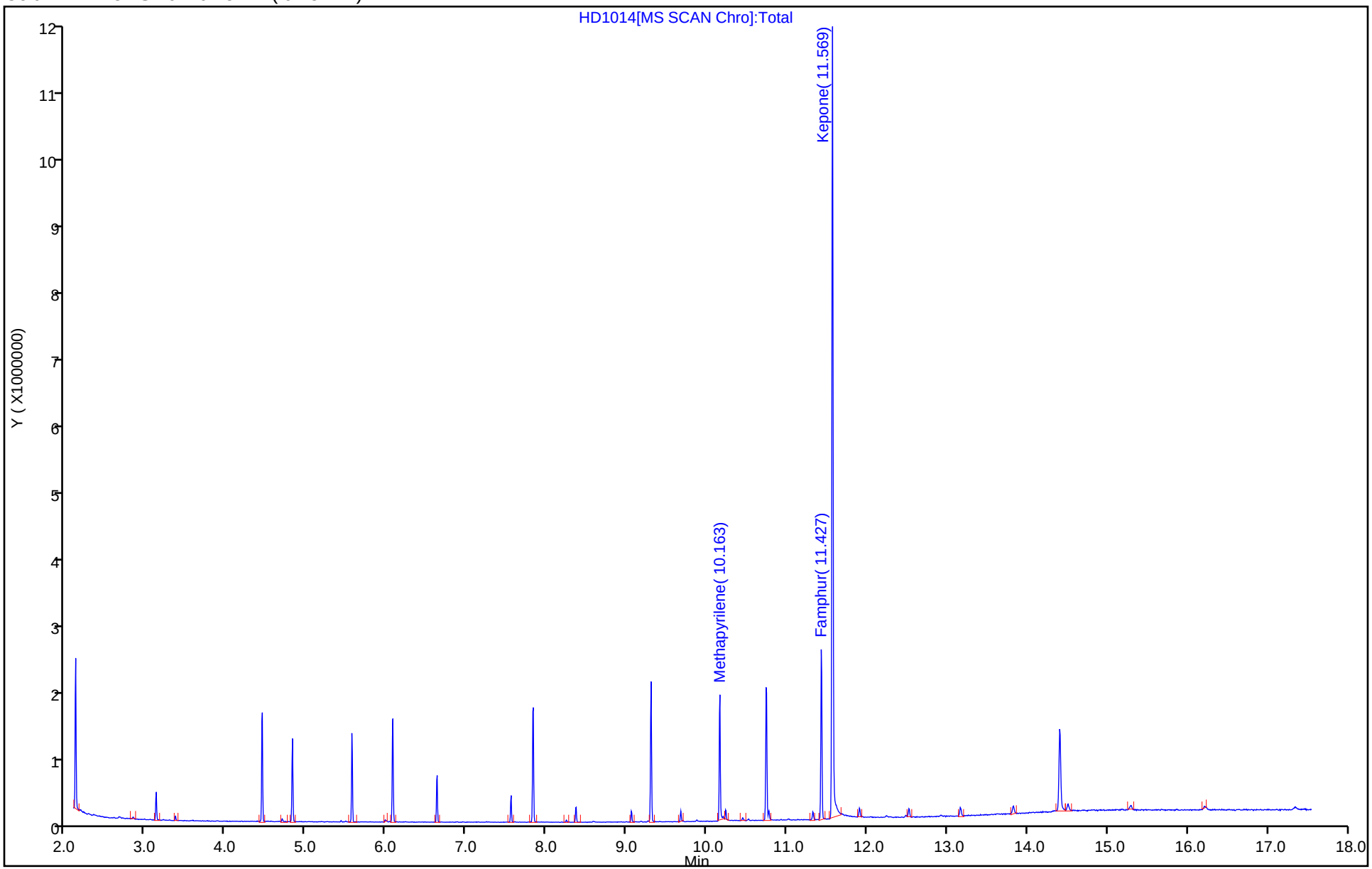
Report Date: 11-Apr-2025 07:54:53 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1014.D

Injection Date:	10-Apr-2025 23:25:30	Instrument ID:	HP18831	Operator ID:	IR93211
Lims ID:	IC L6 ABC			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1015.D
Lims ID: IC L5 ABC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 10-Apr-2025 23:47:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5 ABC
Misc. Info.: 410-0143698-016
Operator ID: IR93211 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub25

Method: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Apr-2025 07:54:55 Calib Date: 11-Apr-2025 00:32:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1017.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1700

First Level Reviewer: SJ89 Date: 11-Apr-2025 07:49:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	4.828	4.828	0.000	95	176903	5.00	5.00	
* 54 Naphthalene-d8	136	6.081	6.081	0.000	99	637924	5.00	5.00	
* 91 Acenaphthene-d10	164	7.834	7.834	0.000	94	355266	5.00	5.00	
* 127 Phenanthrene-d10	188	9.304	9.304	0.000	96	720074	5.00	5.00	
83 Methapyrilene	97	10.163	10.163	0.000	95	155365	7.50	6.74	
* 140 Pyrene-d10 (IS)	212	10.739	10.739	0.000	99	743503	5.00	5.00	
100 Famphur	218	11.427	11.427	0.000	84	308621	7.50	6.69	
102 Kepone	272	11.569	11.569	0.000	96	709851	40.0	39.3	
* 159 Perylene-d12	264	14.404	14.404	0.000	99	683233	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_5_00013 Amount Added: 1.00 Units: mL

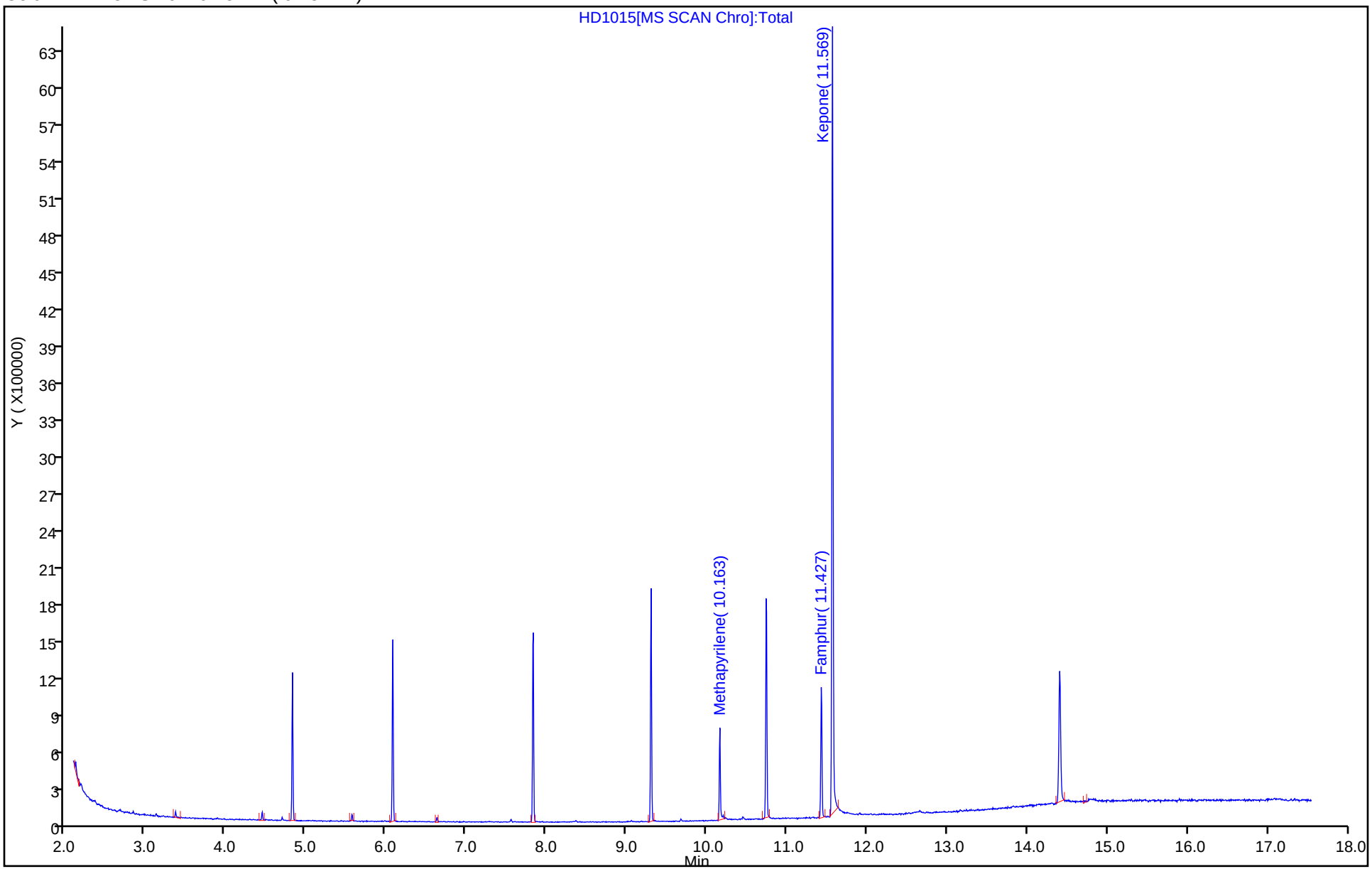
Report Date: 11-Apr-2025 07:54:56 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1015.D

Injection Date:	10-Apr-2025 23:47:30	Instrument ID:	HP18831	Operator ID:	IR93211
Lims ID:	IC L5 ABC			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1016.D
Lims ID: IC L4 ABC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-Apr-2025 00:10:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4 ABC
Misc. Info.: 410-0143698-017
Operator ID: IR93211 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub25

Method: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Apr-2025 07:54:58 Calib Date: 11-Apr-2025 00:32:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1017.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1700

First Level Reviewer: SJ89 Date: 11-Apr-2025 07:50:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	4.828	4.828	0.000	96	149168	5.00	5.00	
* 54 Naphthalene-d8	136	6.081	6.081	0.000	99	553788	5.00	5.00	
* 91 Acenaphthene-d10	164	7.833	7.834	-0.001	95	301652	5.00	5.00	
* 127 Phenanthrene-d10	188	9.304	9.304	0.000	96	603231	5.00	5.00	
83 Methapyrilene	97	10.163	10.163	0.000	94	49333	3.75	3.92	
* 140 Pyrene-d10 (IS)	212	10.739	10.739	0.000	98	619858	5.00	5.00	
100 Famphur	218	11.427	11.427	0.000	82	96705	3.75	3.10	
102 Kepone	272	11.568	11.569	-0.001	96	337334	25.0	23.8	
* 159 Perylene-d12	264	14.404	14.404	0.000	99	555965	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_4_00013 Amount Added: 1.00 Units: mL

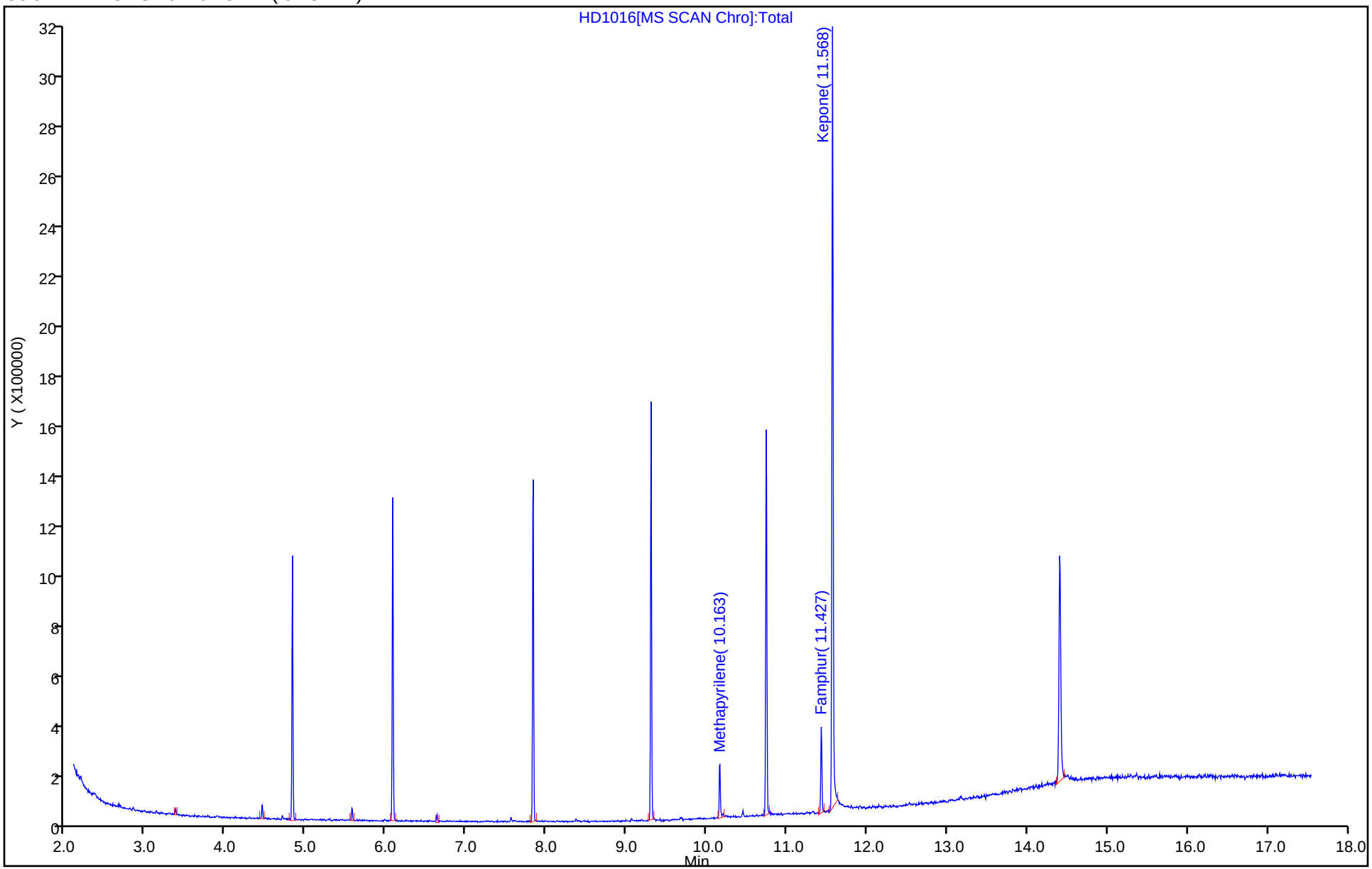
Report Date: 11-Apr-2025 07:54:58 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1016.D

Injection Date:	11-Apr-2025 00:10:30	Instrument ID:	HP18831	Operator ID:	IR93211
Lims ID:	IC L4 ABC			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1017.D
Lims ID: IC L3 ABC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-Apr-2025 00:32:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3 ABC
Misc. Info.: 410-0143698-018
Operator ID: IR93211 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub25

Method: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Apr-2025 07:54:33 Calib Date: 11-Apr-2025 00:32:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1017.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1700

First Level Reviewer: SJ89 Date: 11-Apr-2025 07:54:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	4.828	4.828	0.000	95	156399	5.00	5.00	
* 54 Naphthalene-d8	136	6.081	6.081	0.000	99	585566	5.00	5.00	
* 91 Acenaphthene-d10	164	7.834	7.834	0.000	93	330293	5.00	5.00	
* 127 Phenanthrene-d10	188	9.304	9.304	0.000	96	647354	5.00	5.00	
83 Methapyrilene	97	10.163	10.163	0.000	94	13582	1.25	2.63	
* 140 Pyrene-d10 (IS)	212	10.739	10.739	0.000	98	661247	5.00	5.00	
100 Famphur	218	11.427	11.427	0.000	86	28922	1.25	1.54	
102 Kepone	272	11.569	11.569	0.000	96	167723	12.5	12.8	
* 159 Perylene-d12	264	14.404	14.404	0.000	99	586767	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_3_00016 Amount Added: 1.00 Units: mL

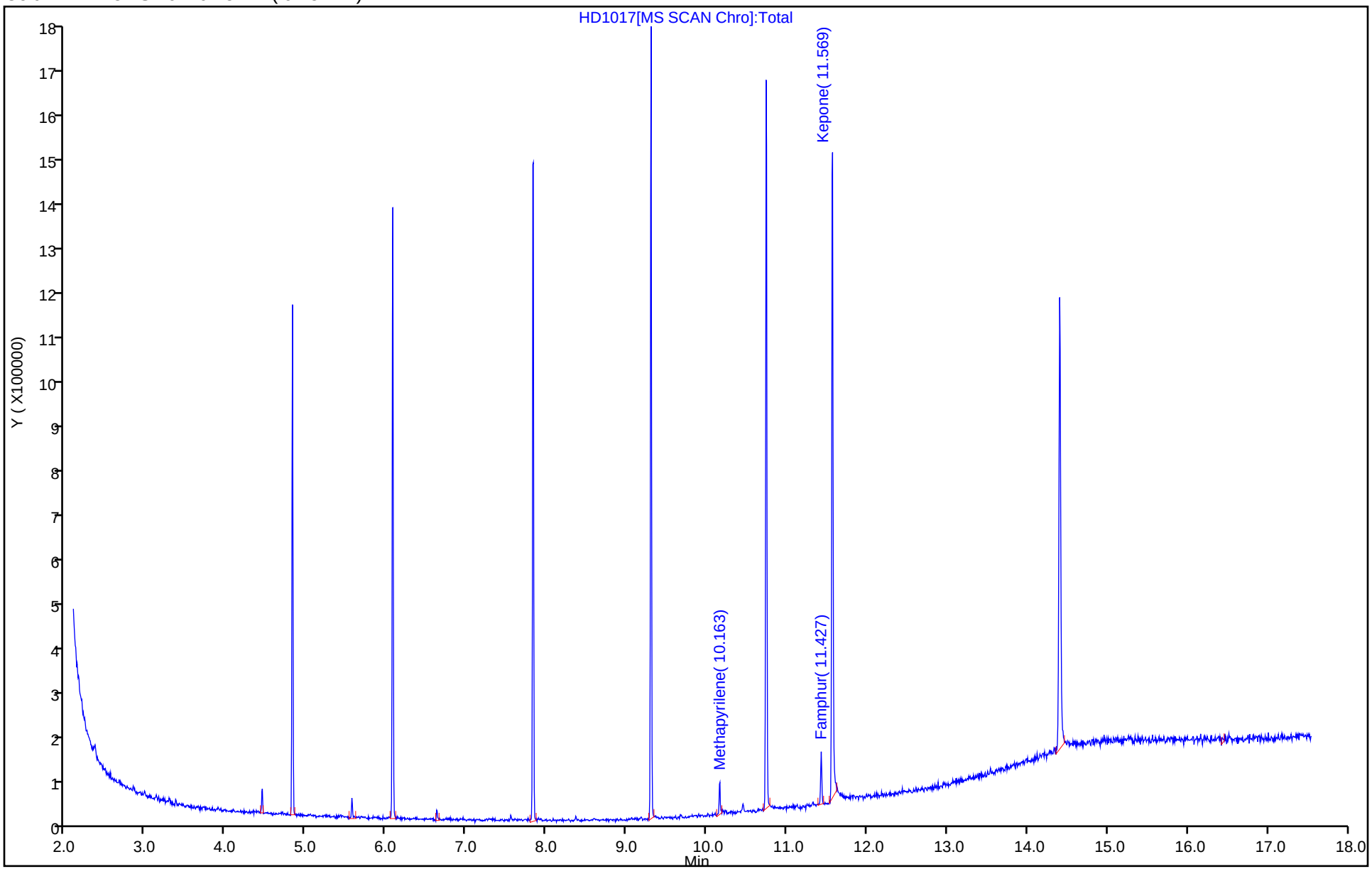
Report Date: 11-Apr-2025 07:54:33 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250410-143698.b\HD1017.D

Injection Date:	11-Apr-2025 00:32:30	Instrument ID:	HP18831	Operator ID:	IR93211
Lims ID:	IC L3 ABC			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Calibration / Methapyrilene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

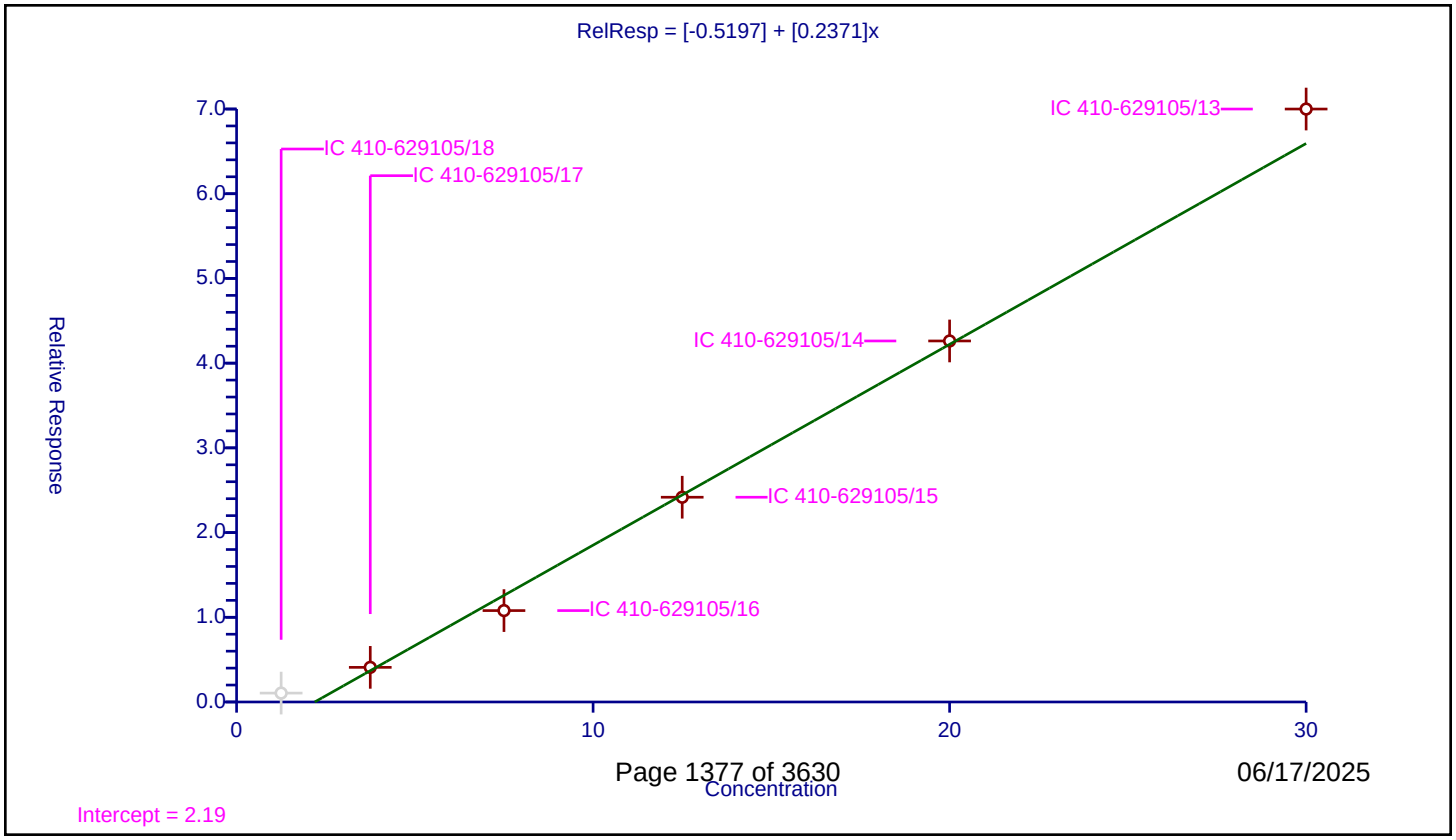
Curve Coefficients

Intercept:	-0.5197
Slope:	0.2371

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-629105/18	1.25	0.104904	5.0	647354.0	0.083923	N
2	IC 410-629105/17	3.75	0.408906	5.0	603231.0	0.109042	Y
3	IC 410-629105/16	7.5	1.078813	5.0	720074.0	0.143842	Y
4	IC 410-629105/15	12.5	2.417029	5.0	789767.0	0.193362	Y
5	IC 410-629105/14	20.0	4.261811	5.0	596331.0	0.213091	Y
6	IC 410-629105/13	30.0	6.999604	5.0	606600.0	0.23332	Y



06/17/2025

Calibration / Famphur

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

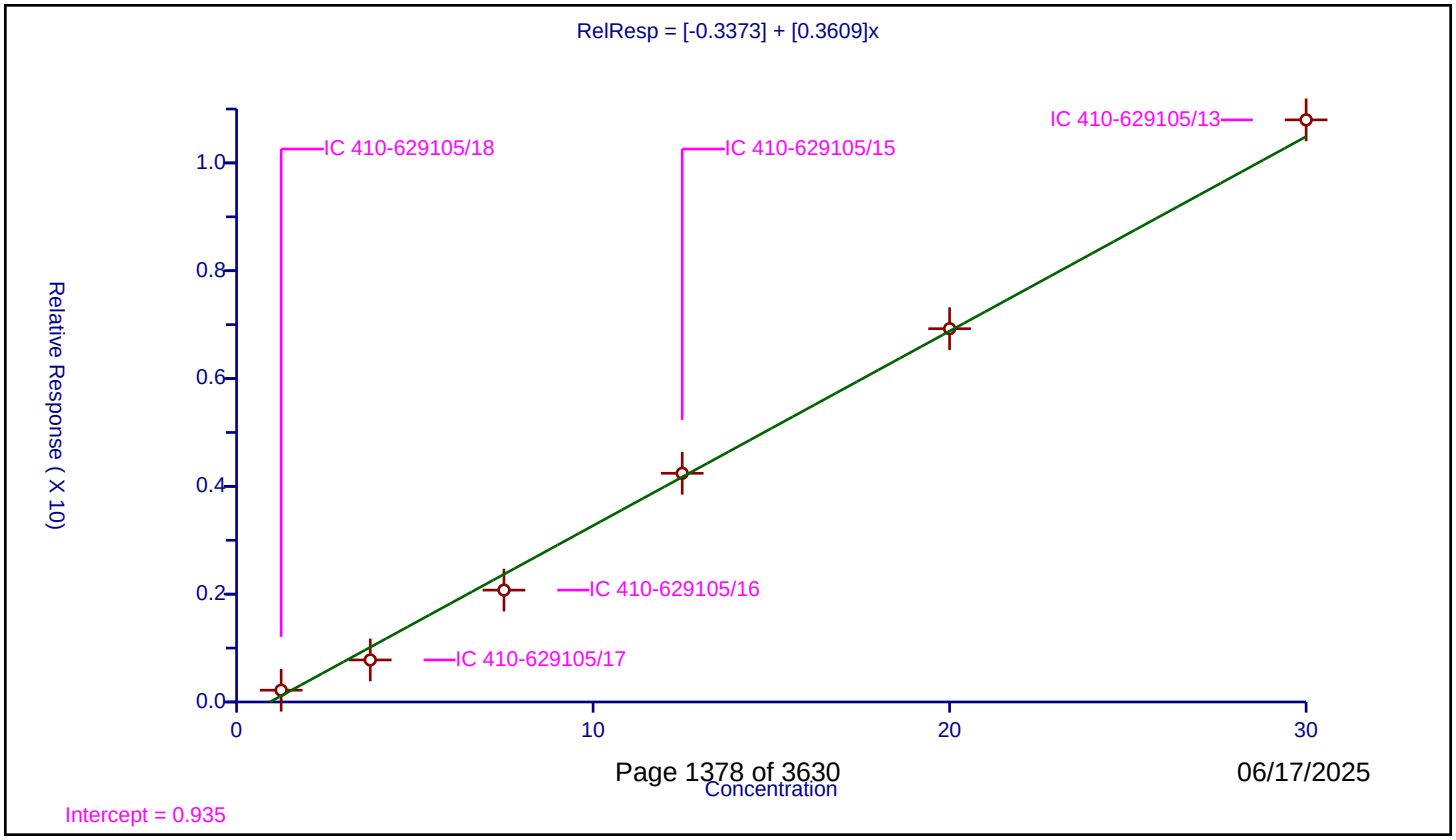
Curve Coefficients

Intercept:	-0.3373
Slope:	0.3609

Error Coefficients

Relative Standard Deviation:	15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-629105/18	1.25	0.218693	5.0	661247.0	0.174954	Y
2	IC 410-629105/17	3.75	0.780058	5.0	619858.0	0.208015	Y
3	IC 410-629105/16	7.5	2.075452	5.0	743503.0	0.276727	Y
4	IC 410-629105/15	12.5	4.242398	5.0	828383.0	0.339392	Y
5	IC 410-629105/14	20.0	6.924863	5.0	626738.0	0.346243	Y
6	IC 410-629105/13	30.0	10.798716	5.0	637392.0	0.359957	Y



06/17/2025

Calibration / Kepone

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

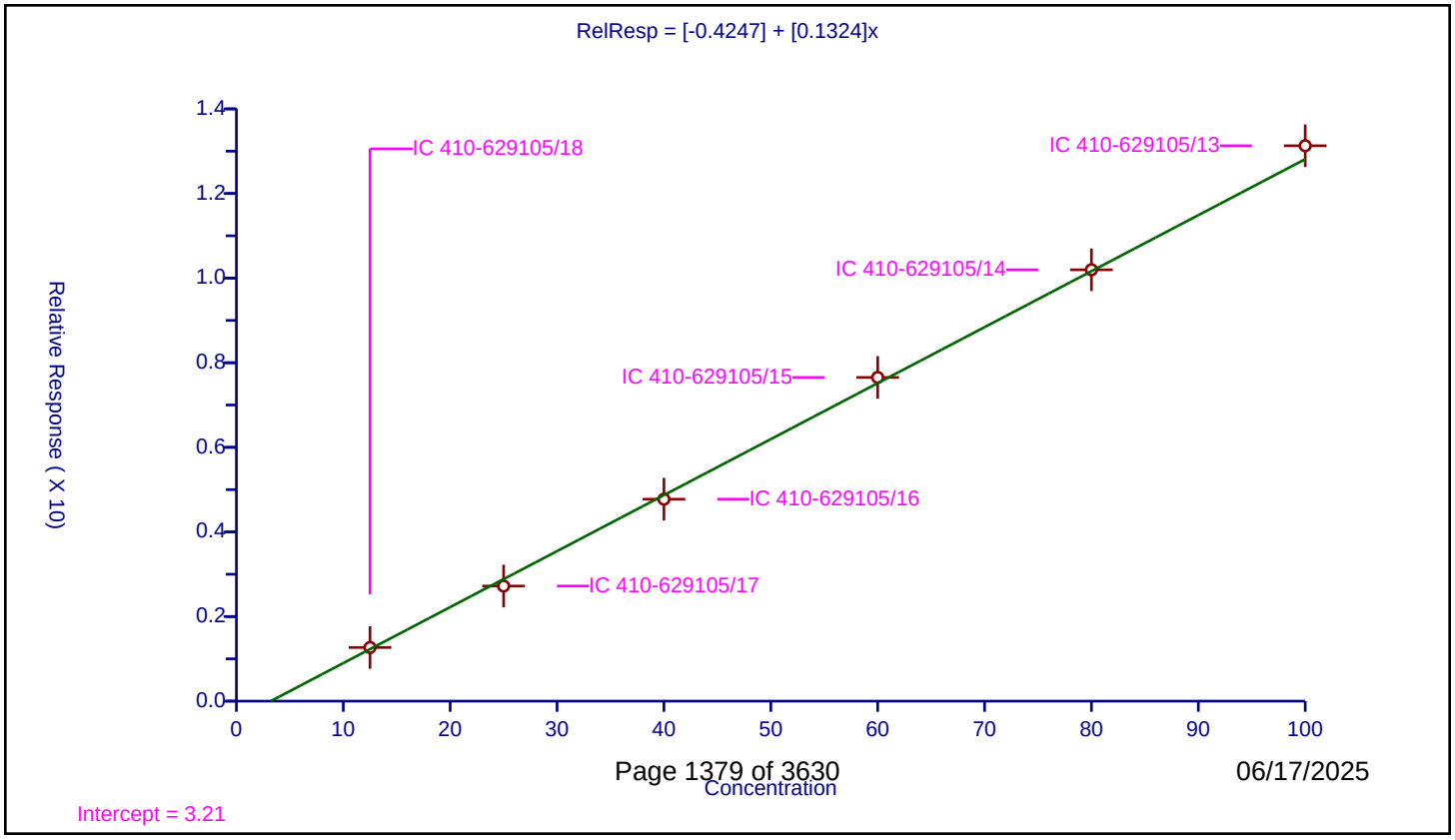
Curve Coefficients

Intercept:	-0.4247
Slope:	0.1324

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-629105/18	12.5	1.268233	5.0	661247.0	0.101459	Y
2	IC 410-629105/17	25.0	2.721059	5.0	619858.0	0.108842	Y
3	IC 410-629105/16	40.0	4.773693	5.0	743503.0	0.119342	Y
4	IC 410-629105/15	60.0	7.651491	5.0	828383.0	0.127525	Y
5	IC 410-629105/14	80.0	10.196757	5.0	626738.0	0.127459	Y
6	IC 410-629105/13	100.0	13.128765	5.0	637392.0	0.131288	Y



06/17/2025

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-638082/9	HE0108.D
Level 2	IC 410-638082/8	HE0107.D
Level 3	IC 410-638082/7	HE0106.D
Level 4	IC 410-638082/6	HE0105.D
Level 5	IC 410-638082/5	HE0104.D
Level 6	ICIS 410-638082/2	HE0101a.D
Level 7	IC 410-638082/4	HE0103.D
Level 8	IC 410-638082/3	HE0102.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.5003	+++++ 0.4982	0.5197 0.4703	0.5084	0.5308	Ave		0.5046				4.1		20.0			
N-Nitrosodimethylamine	0.8022 0.7912	0.8812 0.7551	0.7345 0.7483	0.6946	0.7825	Ave		0.7737				7.2		20.0			
Pyridine	1.3226 1.3002	1.1287 1.2897	1.1841 1.2720	1.1880	1.3188	Ave		1.2505				5.9		20.0			
N,N-dimethylformamide	+++++ 0.8255	0.5351 0.8182	0.6829 0.8604	0.7439	0.8241	Ave		0.7557				15.1		20.0			
2-Picoline	1.3044 1.2864	1.1334 1.2625	1.2305 1.2931	1.2027	1.2897	Ave		1.2503				4.7		20.0			
N-Nitrosomethylethylamine	+++++ 0.5269	+++++ 0.5301	0.6045 0.5343	0.5217	0.5488	Ave		0.5444				5.7		20.0			
Methyl methanesulfonate	0.6940 0.6622	0.7145 0.6363	0.6500 0.6518	0.6402	0.6653	Ave		0.6643				4.1		20.0			
N-Nitrosodiethylamine	0.5489 0.5513	0.4727 0.5481	0.5253 0.5614	0.5091	0.5643	Ave		0.5351				5.8		20.0			
Ethyl methanesulfonate	0.7500 0.6427	0.6535 0.6261	0.6118 0.6377	0.5832	0.6336	Ave		0.6423				7.6		20.0			
Benzaldehyde	1.2179 0.8474	1.2551 +++++	1.0453 +++++	0.9589	0.9626	Ave		1.0479			0.0100	15.2		20.0			
Phenol	1.3965 1.6544	1.3828 1.5964	1.4718 1.6233	1.4754	1.6447	Ave		1.5306			0.8000	7.3		20.0			
Aniline	1.6803 1.9969	1.6500 1.9351	1.8237 1.9797	1.7785	1.9899	Ave		1.8543				7.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bis(2-chloroethyl)ether	1.3587 1.3206	1.2375 1.2886	1.1839 1.3299	1.2139	1.2946	Ave		1.2784			0.7000	4.8		20.0			
2-Chlorophenol	1.2124 1.3973	1.1147 1.3649	1.2358 1.3651	1.2232	1.4216	Ave		1.2919			0.8000	8.5		20.0			
1,3-Dichlorobenzene	1.4320 1.6129	1.4683 1.5699	1.5276 1.5700	1.4835	1.6181	Ave		1.5353				4.5		20.0			
1,4-Dichlorobenzene	1.4680 1.6309	1.4218 1.5969	1.5499 1.5719	1.5251	1.6363	Ave		1.5501				4.9		20.0			
Benzyl alcohol	0.7277 0.8732	0.7925 0.8595	0.7898 0.8820	0.7888	0.8744	Ave		0.8235				6.8		20.0			
1,2-Dichlorobenzene	1.4490 1.5617	1.3631 1.5248	1.4577 1.5151	1.4324	1.5608	Ave		1.4831				4.7		20.0			
2-Methylphenol	0.9288 1.2374	1.0892 1.1926	1.0796 1.1950	1.0780	1.2113	Ave		1.1265			0.7000	9.1		20.0			
bis(1-chloroispropyl)ether	1.3968 1.5316	1.4580 1.4956	1.4649 1.4960	1.3900	1.5173	Ave		1.4688			0.0100	3.6		20.0			
N-Nitrosopyrrolidine	0.5231 0.6078	0.5510 0.6000	0.5446 0.6217	0.5320	0.6011	Ave		0.5727				6.8		20.0			
4-Methylphenol (and/or 3-Methylphenol)	0.9670 1.3074	1.1666 1.2657	1.1802 1.2993	1.1608	1.2780	Ave		1.2031			0.6000	9.4		20.0			
N-Nitrosodi-n-propylamine	1.0406 0.9344	0.8186 0.9080	0.8485 0.9578	0.8534	0.9210	Ave		0.9103			0.5000	7.8		20.0			
Acetophenone	2.1952 1.9632	1.7928 1.9139	1.8577 1.9726	1.8442	1.9785	Ave		1.9398			0.0100	6.4		20.0			
N-Nitrosomorpholine	0.8561 0.6885	0.6911 0.6683	0.6545 0.7015	0.6377	0.6910	Ave		0.6986				9.6		20.0			
2-Toluidine	1.8770 1.9516	1.8574 1.8886	1.7826 1.9418	1.7714	1.9542	Ave		1.8781				3.8		20.0			
Hexachloroethane	0.7535 0.6301	0.5841 0.6154	0.5983 0.6130	0.5679	0.6244	Ave		0.6233			0.3000	9.1		20.0			
Nitrobenzene	0.4397 0.3460	0.3897 0.3433	0.3262 0.3442	0.3332	0.3508	Ave		0.3591			0.2000	10.5		20.0			
N-Nitrosopiperidine	0.1419 0.1537	0.1258 0.1547	0.1431 0.1585	0.1407	0.1537	Ave		0.1465				7.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isophorone	0.5321 0.6516	0.5580 0.6374	0.6004 0.6525	0.5840	0.6457	Ave		0.6077			0.4000	7.6		20.0			
2-Nitrophenol	0.1347 0.1827	0.1355 0.1890	0.1550 0.1919	0.1644	0.1838	Ave		0.1671			0.1000	14.0		20.0			
2,4-Dimethylphenol	0.2852 0.3466	0.3287 0.3469	0.3115 0.3470	0.3137	0.3487	Ave		0.3285			0.2000	7.1		20.0			
o,o',o''-Triethylphosphorothioate	0.1412 0.1925	0.1727 0.1956	0.1663 0.2018	0.1710	0.1918	Ave		0.1791				11.2		20.0			
Bis(2-chloroethoxy)methane	0.3785 0.4079	0.3738 0.4026	0.3823 0.4132	0.3773	0.4134	Ave		0.3936			0.3000	4.4		20.0			
2,4-Dichlorophenol	0.2288 0.3194	0.2293 0.3169	0.2843 0.3231	0.2817	0.3179	Ave		0.2877			0.2000	13.8		20.0			
1,2,4-Trichlorobenzene	0.3404 0.3526	0.3283 0.3512	0.3094 0.3546	0.3240	0.3574	Ave		0.3397				5.1		20.0			
Naphthalene	1.0292 1.0851	0.9279 1.0599	0.9978 1.0630	1.0111	1.0974	Ave		1.0339			0.7000	5.3		20.0			
a-Terpineol	0.2231 0.2602	0.2439 0.2620	0.2275 0.2762	0.2236	0.2632	Ave		0.2475				8.4		20.0			
4-Chloroaniline	0.3455 0.4630	0.3826 0.4524	0.4114 0.4605	0.4190	0.4571	Ave		0.4239			0.0100	10.1		20.0			
2,6-Dichlorophenol	0.2435 0.3195	0.2648 0.3164	0.2791 0.3207	0.2866	0.3203	Ave		0.2939				10.2		20.0			
Hexachloropropene	0.1625 0.2180	0.2012 0.2216	0.1841 0.2300	0.1935	0.2180	Ave		0.2036				11.2		20.0			
Hexachlorobutadiene	0.1798 0.2131	0.2000 0.2158	0.1843 0.2176	0.1953	0.2209	Ave		0.2034			0.0100	7.8		20.0			
Quinoline	0.6747 0.6723	0.6369 0.6529	0.6362 0.6665	0.6137	0.6640	Ave		0.6521				3.3		20.0			
Caprolactam	+++++ 0.0953	+++++ 0.0940	0.0808 0.1015	0.0791	0.0897	Ave		0.0900			0.0100	9.7		20.0			
N-Nitrosodi-n-butylamine	0.2244 0.2369	0.1950 0.2708	0.2050 +++++	0.1886	0.2157	Ave		0.2195				12.8		20.0			
1,4-phenylenediamine	+++++ 0.3357	+++++ 0.3564	0.2619 0.3566	0.2851	0.3347	Ave		0.3217				12.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.2103 0.2953	0.2391 0.2918	0.2601 0.3022	0.2584	0.2945	Ave		0.2690			0.2000	12.2		20.0			
Safrole, Total	0.2316 0.2785	0.2554 0.2821	0.2531 0.2907	0.2538	0.2733	Ave		0.2648				7.4		20.0			
2-Methylnaphthalene	0.5523 0.6558	0.5615 0.6372	0.5971 0.6579	0.6035	0.6550	Ave		0.6150			0.4000	7.0		20.0			
1-Methylnaphthalene	0.5845 0.6871	0.6049 0.6646	0.6513 0.6769	0.6145	0.6822	Ave		0.6458				6.1		20.0			
Hexachlorocyclopentadiene	+++++ 0.4400	0.3441 0.4778	0.3549 0.4768	0.3988	0.4527	Ave		0.4207			0.0500	13.2		20.0			
1,2,4,5-Tetrachlorobenzene	0.5457 0.6138	0.5492 0.6350	0.5796 0.6257	0.5908	0.6350	Ave		0.5968			0.0100	6.1		20.0			
Isosafrole Peak 1	0.5620 0.5128	0.5240 0.5311	0.5160 0.5088	0.4940	0.5326	Ave		0.5227				3.9		20.0			
2,4,6-Trichlorophenol	0.3333 0.4136	0.3661 0.4248	0.3476 0.4272	0.3694	0.4194	Ave		0.3877			0.2000	9.7		20.0			
2,4,5-Trichlorophenol	0.3564 0.4497	0.3610 0.4606	0.3803 0.4593	0.4058	0.4624	Ave		0.4170			0.2000	11.1		20.0			
Isosafrole Peak 2	0.5112 0.5786	0.5617 0.5791	0.5199 0.5733	0.5321	0.5830	Ave		0.5549				5.3		20.0			
1,1'-Biphenyl	1.5019 1.5309	1.5109 1.5531	1.4630 1.5368	1.4809	1.5969	Ave		1.5218			0.0100	2.8		20.0			
2-Chloronaphthalene	1.1576 1.1573	1.1305 1.3076	1.1284 1.2263	1.1839	1.2122	Ave		1.1880			0.8000	5.0		20.0			
1-Chloronaphthalene	1.1688 1.1568	1.1043 1.0266	1.0652 1.0500	1.0956	1.1996	Ave		1.1083				5.5		20.0			
Diphenyl ether	0.8692 0.8933	0.8457 0.9142	0.8519 0.8879	0.8501	0.9172	Ave		0.8787				3.3		20.0			
2-Nitroaniline	0.3113 0.3781	0.2662 0.3877	0.3002 0.3877	0.3215	0.3864	Ave		0.3424			0.0100	14.1		20.0			
1,4-Naphthoquinone	0.3102 0.4372	0.3213 0.4484	0.3715 0.4298	0.3955	0.4480	Ave		0.3952				14.1		20.0			
1,4-Dinitrobenzene	+++++ 0.1769	0.1366 0.1829	0.1276 0.1872	0.1470	0.1756	Ave		0.1620				15.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dimethyl phthalate	1.2838 1.3926	1.2214 1.4021	1.3092 1.3939	1.3072	1.4337	Ave		1.3430			0.0100	5.4		20.0			
1,3-Dinitrobenzene	+++++ 0.2158	+++++ 0.2191	0.1689 0.2242	0.1805	0.2192	Ave		0.2046				11.5		20.0			
2,6-Dinitrotoluene	+++++ 0.2951	0.2085 0.3017	0.2297 0.3027	0.2643	0.3052	Ave		0.2725			0.2000	14.5		20.0			
Acenaphthylene	1.6628 1.8732	1.5908 1.9167	1.7490 1.8615	1.7416	1.9465	Ave		1.7928			0.9000	7.1		20.0			
3-Nitroaniline	+++++ 0.3406	0.2521 0.3538	0.2866 0.3455	0.2978	0.3459	Ave		0.3175			0.0100	12.2		20.0			
Acenaphthene	1.2229 1.2281	1.1594 1.2585	1.1714 1.2268	1.1669	1.2843	Ave		1.2148			0.9000	3.7		20.0			
2,4-Dinitrophenol	+++++ 0.1874	+++++ 0.1986	0.1138 0.2109	0.1458	0.1795	Lin2	-0.514	0.2093			0.0100				0.9960		0.9900
4-Nitrophenol	0.1411 0.1892	0.1359 0.1932	0.1711 0.1928	0.1712	0.1930	Ave		0.1734			0.0100	13.5		20.0			
Pentachlorobenzene	0.5778 0.5158	0.5132 0.5452	0.5003 0.5561	0.5015	0.5386	Ave		0.5310				5.3		20.0			
2,4-Dinitrotoluene	0.3060 0.4133	0.2999 0.4230	0.3423 0.4218	0.3532	0.4106	Ave		0.3713			0.2000	14.1		20.0			
Dibenzofuran	1.7192 1.7227	1.6347 1.7402	1.6816 1.6856	1.6657	1.7873	Ave		1.7046			0.8000	2.8		20.0			
1-Naphthylamine	0.9396 1.1586	0.9322 1.1768	1.0245 1.1856	1.0814	1.1663	Ave		1.0831				9.8		20.0			
2,3,4,6-Tetrachlorophenol	0.2687 0.3762	0.2854 0.3948	0.3288 0.3967	0.3332	0.3832	Ave		0.3459			0.0100	14.4		20.0			
2-Naphthylamine	1.1245 1.1910	1.0603 1.2170	1.1382 1.1825	1.1240	1.2212	Ave		1.1573				4.8		20.0			
Diethyl phthalate	1.0525 1.4040	1.2156 1.4116	1.3452 1.4025	1.2737	1.4153	Ave		1.3151			0.0100	9.8		20.0			
Thionazin	0.2114 0.1838	0.2038 0.1880	0.1586 0.1956	0.1635	0.1888	Ave		0.1867				9.8		20.0			
Fluorene	1.2107 1.4546	1.2577 1.4546	1.3490 1.4488	1.3473	1.4586	Ave		1.3727			0.9000	7.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chlorophenyl-phenyl ether	0.6015 0.7180	0.5681 0.7300	0.6482 0.7443	0.6437	0.7230	Ave		0.6721			0.4000	9.8		20.0			
5-Nitro-o-toluidine	0.3136 0.3768	0.2603 0.3832	0.3047 0.3862	0.3305	0.3802	Ave		0.3419				13.7		20.0			
4-Nitroaniline	+++++ 0.3750	0.2342 0.3807	0.3094 0.3665	0.3302	0.3842	Ave		0.3400			0.0100	16.0		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1407	+++++ 0.1367	0.0883 0.1374	0.1047	0.1349	Ave		0.1238			0.0100	17.6		20.0			
N-Nitrosodiphenylamine	0.4938 0.6423	0.5182 0.6028	0.5542 0.5765	0.5917	0.6514	Ave		0.5788			0.0100	9.6		20.0			
1,2-Diphenylhydrazine	0.7372 0.6992	0.6329 0.6484	0.6329 0.6152	0.6405	0.7104	Ave		0.6646				6.7		20.0			
Sulfotepp	0.0775 0.1135	0.1053 0.1039	0.0978 0.1042	0.1016	0.1140	Ave		0.1022				11.2		20.0			
1,3,5-Trinitrobenzene	+++++ 0.0701	0.0456 0.0698	0.0490 0.0724	0.0556	0.0665	Ave		0.0613				18.0		20.0			
cis-Diallate	0.3320 0.2705	0.2880 0.2502	0.2470 0.2443	0.2430	0.2663	Ave		0.2676				11.3		20.0			
Phenacetin	0.2380 0.3371	0.2391 0.3114	0.2595 0.3119	0.2777	0.3221	Ave		0.2871				13.5		20.0			
Phorate	0.2950 0.3813	0.2753 0.3652	0.3120 0.3659	0.3358	0.3754	Ave		0.3382				11.9		20.0			
4-Bromophenyl-phenylether	0.1864 0.2317	0.1946 0.2139	0.1907 0.2170	0.2040	0.2293	Ave		0.2084			0.1000	8.3		20.0			
trans-Diallate	+++++ 0.2589	+++++ 0.2430	0.2534 0.2392	0.2526	0.2744	Ave		0.2536				4.9		20.0			
Hexachlorobenzene	0.2408 0.2754	0.2609 0.2613	0.2426 0.2621	0.2459	0.2764	Ave		0.2582			0.1000	5.4		20.0			
Dimethoate	+++++ 0.2363	0.1628 0.2203	0.1850 0.2189	0.1991	0.2284	Ave		0.2073				12.7		20.0			
Atrazine	0.1676 0.2137	0.1399 0.2040	0.1910 0.1935	0.1942	0.2136	Ave		0.1897			0.0100	13.2		20.0			
Pentachlorophenol	+++++ 0.1822	0.1187 0.1764	0.1247 0.1862	0.1422	0.1716	Ave		0.1574			0.0500	18.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Aminobiphenyl	0.6239 0.8652	0.7245 0.8054	0.7107 0.8046	0.7465	0.8621	Ave		0.7679				10.7		20.0			
Pentachloronitrobenzene	0.0861 0.1014	0.0686 0.1008	0.0840 0.1008	0.0852	0.1024	Ave		0.0911				13.4		20.0			
Pronamide	+++++ 0.3257	0.2420 0.3064	0.2575 0.3089	0.2698	0.3163	Ave		0.2895				11.2		20.0			
Dinoseb	+++++ 0.1738	+++++ 0.1742	0.1001 0.1858	0.1177	0.1626	Lin1	-0.144	0.1850							0.9970		0.9900
Disulfoton	+++++ 0.3347	0.4928 0.3116	0.3745 0.3016	0.3043	0.3433	Ave		0.3518				19.1		20.0			
Phenanthrene	1.0783 1.1151	1.0231 1.0386	1.0436 0.9790	1.0184	1.1558	Ave		1.0565			0.7000	5.4		20.0			
Anthracene	0.9312 1.1511	0.9265 1.0709	1.0093 1.0152	1.0332	1.1653	Ave		1.0378			0.7000	8.6		20.0			
Carbazole	0.7762 1.0674	0.8155 0.9870	0.9387 0.9384	0.9441	1.0714	Ave		0.9423			0.0100	11.2		20.0			
Methyl parathion	+++++ 0.2107	0.1423 0.2003	0.1489 0.2050	0.1596	0.1988	Ave		0.1808				16.2		20.0			
Di-n-butyl phthalate	+++++ 1.1850	0.7958 1.1127	0.9736 1.1061	0.9741	1.1450	Ave		1.0418			0.0100	13.0		20.0			
Parathion	0.0931 0.1272	0.0890 0.1242	0.0942 0.1294	0.0945	0.1232	Ave		0.1094				16.4		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.0815	+++++ 0.0834	+++++ 0.0974	0.0512	0.0690	Lin2	-0.178	0.0966							0.9950		0.9900
Octachlorostyrene	0.0959 0.1080	0.0885 0.1048	0.1011 0.1102	0.0965	0.1057	Ave		0.1013				7.2		20.0			
Isodrin	+++++ 0.1238	0.1308 0.1151	0.1116 0.1177	0.1115	0.1196	Ave		0.1186				5.9		20.0			
Fluoranthene	0.8934 1.2228	0.9441 1.1651	1.0623 1.1263	1.0538	1.1887	Ave		1.0821			0.6000	10.8		20.0			
Benzidine	+++++ 0.8498	+++++ 0.8132	0.6806 0.6236	0.7462	0.8437	Ave		0.7595				12.2		20.0			
Pyrene	1.2593 1.2851	1.1930 1.2504	1.2067 1.1851	1.1974	1.3171	Ave		1.2368			0.6000	3.9		20.0			

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
p-Dimethylamino azobenzene	+++++ 0.2165	+++++ 0.2203	0.1442 0.2258	0.1645	0.2109	Ave		0.1970				17.3		20.0			
Chlorobenzilate	0.2301 0.3355	0.2660 0.3291	0.2755 0.3301	0.2900	0.3343	Ave		0.2988				13.2		20.0			
3,3'-Dimethylbenzidine	0.4706 0.6582	0.4441 0.5986	0.5400 0.5610	0.5797	0.6551	Ave		0.5634				13.8		20.0			
Butylbenzylphthalate	+++++ 0.5104	+++++ 0.5031	0.3814 0.5028	0.4152	0.5117	Ave		0.4708			0.0100	12.2		20.0			
2-Acetylaminofluorene	+++++ 0.3745	+++++ 0.3745	+++++ 0.3996	0.2818	0.3562	Ave		0.3573				12.6		20.0			
3,3'-Dichlorobenzidine	+++++ 0.4987	+++++ 0.4929	0.4135 0.5038	0.4307	0.5022	Ave		0.4736			0.0100	8.5		20.0			
4,4'-Methylene bis(2-chloroaniline)	+++++ 0.2201	0.1313 0.2180	0.1758 0.2225	0.1914	0.2170	Ave		0.1966				17.1		20.0			
Benzo[a]anthracene	0.8816 1.1534	0.8393 1.1615	1.0222 1.1796	1.0710	1.1883	Ave		1.0621			0.8000	12.9		20.0			
Chrysene	0.9539 1.1486	0.8705 1.1566	1.0418 1.1276	1.0680	1.1611	Ave		1.0660			0.7000	10.0		20.0			
Bis(2-ethylhexyl) phthalate	+++++ 0.7651	+++++ 0.7555	0.5451 0.7731	0.5786	0.7243	Ave		0.6903			0.0100	14.7		20.0			
6-Methylchrysene	0.5816 0.7488	0.5957 0.7405	0.6591 0.7856	0.6693	0.7486	Ave		0.6911				11.0		20.0			
Di-n-octyl phthalate	+++++ 1.3037	+++++ 1.2894	0.7905 1.3675	0.8888	1.1519	Lin1	-1.012	1.3619			0.0100				0.9960		0.9900
7,12-Dimethylbenz(a)anthracene	+++++ 0.5366	+++++ 0.5692	0.4188 0.5914	0.4445	0.4972	Ave		0.5096				13.5		20.0			
Benzo[b]fluoranthene	0.8972 1.3263	1.0099 1.3660	1.1249 1.3362	1.1726	1.2487	Ave		1.1852			0.7000	14.1		20.0			
Benzo[k]fluoranthene	1.0367 1.3597	1.1338 1.4065	1.1703 1.3805	1.1811	1.3233	Ave		1.2490			0.7000	10.9		20.0			
Benzo[a]pyrene	0.8383 1.1794	0.9062 1.2153	0.9715 1.1838	1.0664	1.2096	Ave		1.0713			0.7000	13.9		20.0			
3-Methylcholanthrene	0.5023 0.5726	0.5040 0.5832	0.4432 0.5976	0.4792	0.5624	Ave		0.5306				10.5		20.0			

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dibenz[a,h]acridine	0.7101 0.8155	0.6022 0.8291	0.6579 0.7928	0.7334	0.8181	Ave		0.7449				11.2		20.0			
Dibenz[a,j]acridine	0.6776 0.9773	0.7111 1.0041	0.7961 0.9582	0.8891	0.9855	Ave		0.8749				14.9		20.0			
Indeno[1,2,3-cd]pyrene	0.8440 1.0757	0.8181 1.0994	0.8984 1.0412	0.9730	1.0918	Ave		0.9802			0.5000	11.6		20.0			
Dibenz(a,h)anthracene	0.8665 1.1515	0.8016 1.1601	0.9431 1.1113	1.0424	1.1606	Ave		1.0296			0.4000	13.8		20.0			
Benzo[g,h,i]perylene	0.8655 1.0992	0.8748 1.1026	0.9570 1.0118	1.0507	1.1246	Ave		1.0108			0.5000	10.1		20.0			
2-Fluorophenol (Surr)	1.1465 1.3279	1.1059 1.2857	1.1526 1.2920	1.1706	1.3256	Ave		1.2259				7.4		20.0			
Phenol-d5 (Surr)	1.2704 1.6545	1.2767 1.6027	1.4483 1.6427	1.4639	1.6198	Ave		1.4974				10.6		20.0			
Nitrobenzene-d5 (Surr)	0.3255 0.3633	0.2969 0.3606	0.3246 0.3663	0.3382	0.3662	Ave		0.3427				7.5		20.0			
2-Fluorobiphenyl (Surr)	1.3386 1.4982	1.3701 1.5197	1.4299 1.3829	1.4424	1.5679	Ave		1.4437				5.5		20.0			
2,4,6-Tribromophenol (Surr)	+++++ 0.2784	0.2066 0.2963	0.2317 0.3107	0.2299	0.2795	Ave		0.2619				14.9		20.0			
p-Terphenyl-d14 (Surr)	0.7599 0.9458	0.7353 0.9324	0.8296 0.8168	0.8257	0.9338	Ave		0.8474				9.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-638082/9	HE0108.D
Level 2	IC 410-638082/8	HE0107.D
Level 3	IC 410-638082/7	HE0106.D
Level 4	IC 410-638082/6	HE0105.D
Level 5	IC 410-638082/5	HE0104.D
Level 6	ICIS 410-638082/2	HE0101a.D
Level 7	IC 410-638082/4	HE0103.D
Level 8	IC 410-638082/3	HE0102.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Ave	+++++ 235000	+++++ 302451	21044 555666	58993	137804	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd4	Ave	2736 371620	6650 458451	29742 884110	80599	203141	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd4	Ave	9022 1221440	17034 1565981	95897 3005494	275727	684726	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd4	Ave	+++++ 387730	4038 496763	27651 1016470	86330	213944	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd4	Ave	4449 604240	8553 766458	49828 1527707	139570	334794	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd4	Ave	+++++ 247482	+++++ 321818	24479 631230	60543	142476	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd4	Ave	2367 311050	5392 386321	26320 770077	74291	172698	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd4	Ave	1872 258949	3567 332766	21272 663276	59077	146486	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd4	Ave	2558 301876	4931 380098	24775 753452	67673	164477	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd4	Ave	4154 398044	9471 +++++	42327 +++++	111274	249898	0.125 12.5	0.250 +++++	1.25 +++++	3.75	7.50
Phenol	DCBd4	Ave	4763 777062	10435 969165	59596 1917812	171207	426967	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd4	Ave	5731 937927	12451 1174830	73847 2338871	206384	516574	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd4	Ave	4634 620268	9338 782313	47940 1571155	140866	336072	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd4	Ave	4135 656310	8412 828627	50041 1612848	141939	369034	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd4	Ave	4884	11080	61857	172147	420042	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			757593	953122	1854905			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd4	Ave	5007 766047	10729 969470	62759 1857125	176982	424789	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzyl alcohol	DCBd4	Ave	2482 410141	5980 521816	31981 1042073	91537	227003	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd4	Ave	4942 733547	10286 925729	59027 1790020	166218	405191	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd4	Ave	3168 581197	8219 724028	43716 1411854	125093	314449	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
bis(1-chloroispropyl)ether	DCBd4	Ave	4764 719401	11002 907985	59317 1767502	161298	393886	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd4	Ave	1784 285475	4158 364262	22053 734490	61732	156039	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Methylphenol (and/or 3-Methylphenol)	DCBd4	Ave	3298 614065	8803 768413	47789 1535109	134703	331757	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd4	Ave	3549 438902	6177 551239	34359 1131600	99026	239077	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd4	Ave	7487 922116	13529 1161927	75226 2330486	214007	513605	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd4	Ave	2920 323367	5215 405702	26504 828838	74003	179377	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Toluidine	DCBd4	Ave	6402 916673	14016 1146570	72182 2294158	205560	507298	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd4	Ave	2570 295941	4408 373585	24226 724256	65899	162089	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	5607 632945	11212 800149	51643 1581229	146496	351190	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	1810 281172	3621 360455	22660 728157	61855	153918	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	6785 1192046	16055 1485476	95063 2997711	256771	646397	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	1717 334276	3899 440526	24547 881543	72273	183973	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	3637 634168	9457 808404	49324 1594423	137927	349042	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	1800 352145	4970 455961	26323 927242	75188	192039	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	4827 746295	10755 938392	60534 1898606	165897	413834	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4-Dichlorophenol	NPT	Ave	2918 584387	6597 738642	45014 1484659	123872	318246	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4-Trichlorobenzene	NPT	Ave	4340 644985	9446 818568	48994 1629199	142444	357776	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	13124 1985134	26699 2470382	157978 4883842	444565	1098592	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	2845 476101	7017 610636	36021 1269024	98327	263453	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	4406 846973	11009 1054383	65134 2115863	184233	457606	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	3105 584561	7618 737477	44190 1473481	126019	320652	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	2072 398838	5790 516473	29154 1056853	85092	218284	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	2293 389929	5756 502916	29174 999742	85871	221188	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	8603 1229995	18326 1521640	100723 3062276	269848	664698	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	+++++ 174340	+++++ 218972	12794 466106	34763	89753	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	2861 433307	5610 631191	32458 +++++	82942	215972	0.125 12.5	0.250 20.0	1.25 +++++	3.75	7.50
1,4-phenylenediamine	NPT	Ave	+++++ 614077	+++++ 830594	41461 1638325	125360	335069	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	2682 540262	6879 680144	41189 1388607	113611	294823	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	2953 509464	7350 657374	40076 1335524	111570	273583	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	7043 1199746	16155 1485119	94544 3022641	265350	655725	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	7453 1257042	17405 1549046	103121 3109997	270202	682948	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	+++++ 480862	5372 643508	32848 1324478	97917	258896	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	3671 670860	8575 855183	53655 1738086	145064	363176	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	605 89662	1309 114446	7643 226132	19409	48738	0.0200 2.00	0.0400 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	2242 452050	5716 572135	32178 1186888	90700	239848	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	2398 491502	5637 620351	35205 1276034	99641	264453	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	2889 531133	7367 655191	40425 1337838	109754	280087	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	10104 1673084	23590 2091736	135428 4269258	363627	913279	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	7788 1264822	17651 1761123	104451 3406696	290698	693245	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	7863 1264238	17241 1382569	98602 2916776	269011	686060	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	5848 976323	13204 1231218	78855 2466520	208750	524546	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	2094 413258	4156 522197	27789 1077048	78936	220987	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	2087 477772	5017 603913	34386 1193889	97102	256231	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 193337	2133 246332	11811 520122	36100	100402	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	8637 1521959	19070 1888289	121188 3872349	320973	819922	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	+++++ 235813	+++++ 295151	15637 622765	44313	125335	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	+++++ 322547	3255 406387	21258 840797	64895	174560	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	11187 2047206	24838 2581386	161895 5171352	427655	1113202	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 372290	3936 476456	26532 959758	73123	197850	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	8227 1342124	18102 1694970	108435 3408037	286528	734473	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Lin2	+++++ 409707	+++++ 535035	42124 1171985	107398	239567	+++++ 25.0	+++++ 40.0	5.00 60.0	11.3	17.5
4-Nitrophenol	ANT	Ave	5696 413625	12729 520303	47510 1071060	84099	220798	0.750 25.0	1.50 40.0	3.75 60.0	7.50	15.0
Pentachlorobenzene	ANT	Ave	3887 563694	8013 734278	46307 1544873	123130	308032	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	2059 451639	4682 569679	31687 1171707	86738	234806	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	11566 1882763	25523 2343692	155661 4682542	409000	1022196	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1-Naphthylamine	ANT	Ave	6321 1266203	14555 1584940	94832 3293707	265539	667005	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	1808 411102	4456 531774	30437 1102117	81813	219130	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	7565 1301616	16555 1639075	105361 3284944	276006	698438	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	7081 1534443	18980 1901124	124519 3896165	312750	809429	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	1422 200881	3182 253190	14680 543440	40159	107971	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	8145 1589658	19637 1959018	124870 4024833	330824	834189	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	4047 784649	8870 983114	60005 2067601	158056	413481	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	2110 411817	4064 516157	28206 1072762	81145	217427	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 409851	3657 512723	28643 1018049	81089	219750	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 563354	+++++ 736126	48788 1572318	96434	286886	+++++ 25.0	+++++ 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	5305 1093166	12627 1379168	86733 2803378	231638	588723	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	9317 1400067	18142 1745233	116528 3519412	294992	755391	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	979 227288	3019 279609	18015 595918	46797	121193	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	+++++ 140312	1307 187898	9020 414334	25616	70731	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	3105 400747	6109 498305	33658 1034110	82813	209567	0.0925 9.25	0.185 14.8	0.925 22.2	2.78	5.55
Phenacetin	PHN	Ave	3008 674922	6855 838148	47784 1784273	127892	342498	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phorate	PHN	Ave	3728 763523	7892 983148	57448 2093156	154677	399194	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	2356 463916	5579 575734	35107 1241250	93945	243777	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 134773	+++++ 170085	12133 355837	30255	75854	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	3044 551501	7480 703420	44662 1499456	113242	293943	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dimethoate	PHN	Ave	+++++ 473076	4668 592980	34067 1252264	91714	242832	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	2118 427991	4010 549073	35174 1107042	89426	227087	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	+++++ 729699	17015 949847	45933 2130856	130987	364845	+++++ 25.0	1.25 40.0	2.50 60.0	7.50	15.0
4-Aminobiphenyl	PHN	Ave	7886 1732443	20768 2168066	130869 4603093	343820	916708	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	1088 202952	1966 271230	15460 576919	39237	108892	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	+++++ 652128	6936 824687	47410 1767360	124272	336351	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Lin1	+++++ 348002	+++++ 468861	18427 1062823	54196	172918	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	+++++ 670172	14126 838640	68948 1725639	140154	365024	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	13629 2232882	29326 2795602	192163 5600995	469093	1228958	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	11769 2304898	26558 2882574	185843 5808279	475915	1239110	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	9810 2137251	23375 2656819	172844 5368638	434865	1139219	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	+++++ 421931	4079 539062	27411 1172894	73505	211423	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	+++++ 2372695	22812 2995260	179262 6328267	448678	1217433	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	1177 254725	2550 334400	17340 740196	43535	131018	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Lin2	+++++ 163203	+++++ 224573	+++++ 557383	23565	73383	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	1212 216304	2536 282216	18612 630389	44429	112365	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	+++++ 247881	3748 309688	20543 673340	51355	127223	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	11292 2448514	27063 3136242	195602 6443769	485363	1263982	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 5229127	+++++ 6450408	378054 10665153	991997	2649996	+++++ 37.5	+++++ 60.0	3.75 90.0	11.3	22.5
Pyrene	PYR10	Ave	14737 2635969	31627 3305907	223430 6756347	530631	1379010	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
p-Dimethylamino azobenzene	PYR10	Ave	+++++ 444128	+++++ 582506	26704 1287150	72921	220800	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	2693 688128	7052 870143	51017 1882009	128496	350011	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	5507 1350160	11774 1582752	99975 3198396	256911	685906	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Butylbenzylphthalate	PYR10	Ave	+++++ 1046985	+++++ 1330194	70618 2866606	184005	535731	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 768109	+++++ 990197	+++++ 2278400	124898	372951	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	+++++ 1022851	+++++ 1303278	76566 2872391	190847	525785	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	+++++ 451552	3482 576278	32548 1268262	84820	227220	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	10317 2365833	22251 3070961	189263 6725136	474641	1244128	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	11164 2356077	23078 3058082	192897 6428597	473296	1215677	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	+++++ 1569358	+++++ 1997376	100921 4407270	256404	758357	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	6806 1535888	15792 1957716	122043 4478514	296607	783790	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Lin1	+++++ 2260802	+++++ 2825960	130975 6648070	347556	1084591	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	+++++ 930531	+++++ 1247611	69389 2875213	173808	468146	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	9087 2299911	21175 2993832	186374 6495870	458515	1175762	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	10499 2357861	23773 3082568	193895 6711083	461870	1245985	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	8490 2045185	19001 2663549	160963 5755287	417001	1138902	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	5087 992995	10567 1278264	73421 2905202	187391	529516	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	7192 1414086	12628 1817071	109005 3854071	286802	770249	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	6863 1694743	14910 2200714	131894 4658498	347658	927950	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	8548 1865420	17154 2409535	148851 5061641	380466	1028007	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-225004-1 | Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 | GC Column: DB-5MS 30m ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 | Calibration End Date: 05/01/2025 12:22 | Calibration ID: 72270

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dibenz(a,h)anthracene	PRY	Ave	8776 1996845	16808 2542622	156255 5402386	407605	1092818	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	8766 1906075	18343 2416595	158548 4918816	410862	1058859	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd4	Ave	7821 1247464	16690 1561137	93343 3052900	271679	688263	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd4	Ave	8666 1554199	19268 1946070	117296 3881518	339746	841009	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	8301 1329289	17087 1681001	102782 3366079	297391	733249	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	18012 3274656	42782 4093342	264723 7683113	708332	1793402	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	+++++ 608562	6450 798100	42891 1726205	112882	319720	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	17785 3880107	38989 4930525	307224 9312785	731851	1955306	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI

GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA

READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 638082

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/01/2025 09:34 Calibration End Date: 05/01/2025 12:22 Calibration ID: 72270

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-638082/9	HE0108.D
Level 2	IC 410-638082/8	HE0107.D
Level 3	IC 410-638082/7	HE0106.D
Level 4	IC 410-638082/6	HE0105.D
Level 5	IC 410-638082/5	HE0104.D
Level 6	ICIS 410-638082/2	HE0101a.D
Level 7	IC 410-638082/4	HE0103.D
Level 8	IC 410-638082/3	HE0102.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
2,4-Dinitrophenol	+++++ 1.0	+++++ 4.9	3.4	-8.5	-0.2	-0.6	30	30	50	30	30	30
Dinoseb	+++++ -2.0	+++++ 3.0	16.3	-15.7	-1.8	0.1	30	30	50	30	30	30
4-Nitroquinoline-1-oxide	+++++ -4.4	+++++ 7.0	+++++	2.2	-3.9	-0.9	30	30		50	30	30
Di-n-octyl phthalate	+++++ -1.6	+++++ 2.9	17.5	-14.9	-5.5	1.7	30	30	50	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 01-May-2025 09:34:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Operator ID: CJS101602 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub64

Method: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-May-2025 21:48:01 Calib Date: 01-May-2025 12:22:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

First Level Reviewer: WH7Z Date: 01-May-2025 19:48:57

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	2.216	2.216	0.000	93	235000	12.5	12.4	
	2 N-Nitrosodimethylamine	74	2.399	2.399	0.000	93	371620	12.5	12.8	a
	3 Pyridine	79	2.440	2.440	0.000	97	1221440	25.0	26.0	a
	4 Dimethylformamide	73	2.663	2.663	0.000	94	387730	12.5	13.7	
	5 2-Picoline	93	2.946	2.946	0.000	95	604240	12.5	12.9	
	6 N-Nitrosomethylethylamine	88	3.016	3.016	0.000	96	247482	12.5	12.1	
	9 Methyl methanesulfonate	80	3.246	3.246	0.000	85	311050	12.5	12.5	
$	10 2-Fluorophenol	112	3.393	3.393	0.000	90	1247464	25.0	27.1	a
	11 N-Nitrosodiethylamine	102	3.593	3.593	0.000	95	258949	12.5	12.9	
	13 Ethyl methanesulfonate	109	3.846	3.846	0.000	98	301876	12.5	12.5	
	15 Benzaldehyde	77	4.169	4.169	0.000	94	398044	12.5	10.1	
$	16 Phenol-d5	99	4.204	4.204	0.000	98	1554199	25.0	27.6	a
	17 Phenol	94	4.216	4.216	0.000	96	777062	12.5	13.5	
	18 Aniline	93	4.263	4.263	0.000	98	937927	12.5	13.5	
	19 Bis(2-chloroethyl)ether	93	4.322	4.322	0.000	95	620268	12.5	12.9	a
	20 2-Chlorophenol	128	4.381	4.381	0.000	96	656310	12.5	13.5	
	22 1,3-Dichlorobenzene	146	4.534	4.534	0.000	99	757593	12.5	13.1	a
*	23 1,4-Dichlorobenzene-d4	152	4.587	4.587	0.000	94	187880	5.00	5.00	
	24 1,4-Dichlorobenzene	146	4.604	4.604	0.000	96	766047	12.5	13.2	a
	26 Benzyl alcohol	108	4.698	4.698	0.000	94	410141	12.5	13.3	a
	27 1,2-Dichlorobenzene	146	4.745	4.745	0.000	98	733547	12.5	13.2	a
	30 2-Methylphenol	108	4.798	4.798	0.000	94	581197	12.5	13.7	Ma
	32 2,2'-oxybis[1-chloropropane]	45	4.840	4.840	0.000	92	719401	12.5	13.0	
	33 N-Nitrosopyrrolidine	100	4.934	4.934	0.000	94	285475	12.5	13.3	
	36 4-Methylphenol	108	4.951	4.951	0.000	97	614065	12.5	13.6	a
	25 alpha,alpha-Dimethyl phenethylam	58		4.963				ND	ND	U
	34 Acetophenone	105	4.963	4.963	0.000	93	922116	12.5	12.7	
	35 N-Nitrosodi-n-propylamine	70	4.963	4.963	0.000	69	438902	12.5	12.8	a
	37 N-Nitrosomorpholine	56	4.975	4.975	0.000	93	323367	12.5	12.3	
	38 2-Toluidine	106	4.998	4.998	0.000	96	916673	12.5	13.0	
	40 Hexachloroethane	117	5.081	5.081	0.000	93	295941	12.5	12.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	5.116	5.116	0.000	87	1329289	25.0	26.5	a
42 Nitrobenzene	77	5.134	5.134	0.000	86	632945	12.5	12.0	
43 N-Nitrosopiperidine	114	5.275	5.275	0.000	87	281172	12.5	13.1	
45 Isophorone	82	5.369	5.369	0.000	99	1192046	12.5	13.4	
46 2-Nitrophenol	139	5.445	5.445	0.000	92	334276	12.5	13.7	
48 2,4-Dimethylphenol	107	5.481	5.481	0.000	94	634168	12.5	13.2	
49 o,o',o''-Triethylphosphorothioat	198	5.557	5.557	0.000	78	352145	12.5	13.4	
51 Bis(2-chloroethoxy)methane	93	5.581	5.581	0.000	98	746295	12.5	13.0	
52 2,4-Dichlorophenol	162	5.681	5.681	0.000	91	584387	12.5	13.9	a
53 1,2,4-Trichlorobenzene	180	5.775	5.775	0.000	94	644985	12.5	13.0	
* 54 Naphthalene-d8	136	5.834	5.834	0.000	99	731775	5.00	5.00	a
55 Naphthalene	128	5.851	5.851	0.000	97	1985134	12.5	13.1	
29 Alpha-Terpineol	59	5.857	5.857	0.000	95	476101	12.5	13.1	
57 4-Chloroaniline	127	5.898	5.898	0.000	98	846973	12.5	13.7	
58 2,6-Dichlorophenol	162	5.910	5.910	0.000	98	584561	12.5	13.6	a
59 Hexachloropropene	213	5.945	5.945	0.000	88	398838	12.5	13.4	a
60 Hexachlorobutadiene	225	5.981	5.981	0.000	95	389929	12.5	13.1	
62 Quinoline	129	6.181	6.181	0.000	98	1229995	12.5	12.9	a
63 Caprolactam	113	6.222	6.222	0.000	78	174340	12.5	13.2	
64 N-Nitrosodi-n-butylamine	84	6.239	6.239	0.000	91	433307	12.5	13.5	M
39 p-Phenylene diamine	108	6.245	6.245	0.000	97	614077	12.5	13.0	
66 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	95	540262	12.5	13.7	a
67 Safrole, Total	162	6.451	6.451	0.000	94	509464	12.5	13.1	a
68 2-Methylnaphthalene	142	6.539	6.539	0.000	91	1199746	12.5	13.3	a
69 1-Methylnaphthalene	142	6.639	6.639	0.000	92	1257042	12.5	13.3	a
71 Hexachlorocyclopentadiene	237	6.698	6.698	0.000	95	480862	12.5	13.1	a
72 1,2,4,5-Tetrachlorobenzene	216	6.704	6.704	0.000	97	670860	12.5	12.9	a
73 Isosafrole Peak 1	162	6.745	6.745	0.000	94	89662	2.00	1.96	
74 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	81	452050	12.5	13.3	
75 2,4,5-Trichlorophenol	196	6.851	6.851	0.000	95	491502	12.5	13.5	
$ 76 2-Fluorobiphenyl (Surr)	172	6.904	6.904	0.000	99	3274656	25.0	25.9	
77 Isosafrole Peak 2	162	6.969	6.969	0.000	96	531133	10.5	10.9	
78 1,1'-Biphenyl	154	7.004	7.004	0.000	95	1673084	12.5	12.6	
79 2-Chloronaphthalene	162	7.022	7.022	0.000	50	1264822	12.5	12.2	a
80 1-Chloronaphthalene	162	7.045	7.045	0.000	99	1264238	12.5	13.0	
81 Phenyl ether	170	7.110	7.110	0.000	87	976323	12.5	12.7	a
82 2-Nitroaniline	138	7.116	7.116	0.000	89	413258	12.5	13.8	a
84 1,4-Naphthoquinone	158	7.192	7.192	0.000	95	477772	12.5	13.8	
85 1,4-Dinitrobenzene	168	7.251	7.251	0.000	92	193337	12.5	13.7	a
86 Dimethyl phthalate	163	7.304	7.304	0.000	99	1521959	12.5	13.0	
87 1,3-Dinitrobenzene	168	7.328	7.328	0.000	93	235813	12.5	13.2	
88 2,6-Dinitrotoluene	165	7.357	7.357	0.000	96	322547	12.5	13.5	
89 Acenaphthylene	152	7.434	7.434	0.000	98	2047206	12.5	13.1	
90 3-Nitroaniline	138	7.522	7.522	0.000	97	372290	12.5	13.4	
* 91 Acenaphthene-d10	164	7.575	7.575	0.000	93	437153	5.00	5.00	
93 Acenaphthene	153	7.610	7.610	0.000	95	1342124	12.5	12.6	
94 2,4-Dinitrophenol	184	7.628	7.628	0.000	88	409707	25.0	24.8	
95 4-Nitrophenol	109	7.675	7.675	0.000	88	413625	25.0	27.3	
96 Pentachlorobenzene	250	7.739	7.739	0.000	98	563694	12.5	12.1	
98 2,4-Dinitrotoluene	165	7.757	7.757	0.000	95	451639	12.5	13.9	
97 Dibenzofuran	168	7.781	7.781	0.000	97	1882763	12.5	12.6	
99 1-Naphthylamine	143	7.851	7.851	0.000	98	1266203	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 2,3,4,6-Tetrachlorophenol	232	7.892	7.892	0.000	72	411102	12.5	13.6	
103 2-Naphthylamine	143	7.928	7.928	0.000	97	1301616	12.5	12.9	
104 Diethyl phthalate	149	8.004	8.004	0.000	99	1534443	12.5	13.3	
106 Thionazin	107	8.086	8.086	0.000	81	200881	12.5	12.3	
105 Fluorene	166	8.116	8.116	0.000	92	1589658	12.5	13.2	
108 4-Chlorophenyl phenyl ether	204	8.116	8.116	0.000	85	784649	12.5	13.4	
107 N-Nitro-o-toluidine	152	8.122	8.122	0.000	79	411817	12.5	13.8	
109 4-Nitroaniline	138	8.122	8.122	0.000	84	409851	12.5	13.8	a
110 4,6-Dinitro-2-methylphenol	198	8.157	8.157	0.000	89	563354	25.0	28.4	
111 N-Nitrosodiphenylamine	169	8.228	8.228	0.000	62	1093166	10.6	11.8	a
112 1,2-Diphenylhydrazine	77	8.275	8.275	0.000	97	1400067	12.5	13.2	
$ 113 2,4,6-Tribromophenol	330	8.351	8.351	0.000	93	608562	25.0	26.6	a
114 Sulfotepp	97	8.392	8.392	0.000	84	227288	12.5	13.9	
172 1,3,5-Trinitrobenzene	213	8.475	8.475	0.000	84	140312	12.5	14.3	
115 cis-Diallate	86	8.522	8.522	0.000	83	400747	9.25	9.35	
117 Phenacetin	108	8.528	8.528	0.000	85	674922	12.5	14.7	
116 Phorate	75	8.528	8.528	0.000	92	763523	12.5	14.1	
118 4-Bromophenyl phenyl ether	248	8.598	8.598	0.000	64	463916	12.5	13.9	
119 trans-Diallate	86	8.610	8.610	0.000	94	134773	3.25	3.32	a
120 Hexachlorobenzene	284	8.657	8.657	0.000	96	551501	12.5	13.3	
121 Dimethoate	87	8.686	8.686	0.000	94	473076	12.5	14.2	
122 Atrazine	200	8.757	8.757	0.000	95	427991	12.5	14.1	
123 Pentachlorophenol	266	8.851	8.851	0.000	93	729699	25.0	28.9	
125 4-Aminobiphenyl	169	8.851	8.851	0.000	90	1732443	12.5	14.1	
124 Pentachloronitrobenzene	237	8.863	8.863	0.000	87	202952	12.5	13.9	a
126 Pronamide	173	8.910	8.910	0.000	89	652128	12.5	14.1	
128 Dinoseb	211	9.028	9.028	0.000	98	348002	12.5	12.5	a
* 127 Phenanthrene-d10	188	9.039	9.039	0.000	96	800941	5.00	5.00	
70 Disulfoton	88	9.045	9.045	0.000	95	670172	12.5	11.9	Ma
S 56 Dinitrotoluene	165				0		25.0	27.5	
129 Phenanthrene	178	9.063	9.063	0.000	95	2232882	12.5	13.2	a
130 Anthracene	178	9.116	9.116	0.000	96	2304898	12.5	13.9	
131 Carbazole	167	9.269	9.269	0.000	95	2137251	12.5	14.2	
132 Methyl parathion	109	9.404	9.404	0.000	93	421931	12.5	14.6	a
133 Di-n-butyl phthalate	149	9.616	9.616	0.000	99	2372695	12.5	14.2	
S 65 Diallate	86				0		12.5	12.7	
134 Ethyl Parathion	109	9.792	9.792	0.000	85	254725	12.5	14.5	
135 4-Nitroquinoline-1-oxide	190	9.816	9.816	0.000	83	163203	12.5	12.4	
136 Octachlorostyrene	308	10.045	10.045	0.000	90	216304	12.5	13.3	
137 Isodrin	193	10.092	10.092	0.000	95	247881	12.5	13.1	
138 Fluoranthene	202	10.239	10.239	0.000	97	2448514	12.5	14.1	
139 Benzidine	184	10.369	10.369	0.000	99	5229127	37.5	42.0	
* 140 Pyrene-d10 (IS)	212	10.451	10.451	0.000	98	820477	5.00	5.00	a
141 Pyrene	202	10.475	10.475	0.000	98	2635969	12.5	13.0	a
$ 142 p-Terphenyl-d14	244	10.633	10.633	0.000	99	3880107	25.0	27.9	a
143 p-Dimethylamino azobenzene	225	10.786	10.786	0.000	92	444128	12.5	13.7	a
144 Chlorobenzilate	139	10.839	10.839	0.000	89	688128	12.5	14.0	a
100 Famphur	218		11.121				ND	ND	U
145 3,3'-Dimethylbenzidine	212	11.169	11.169	0.000	99	1350160	12.5	14.6	
146 Butyl benzyl phthalate	149	11.192	11.192	0.000	96	1046985	12.5	13.6	
147 2-Acetylaminofluorene	181	11.474	11.474	0.000	93	768109	12.5	13.1	
S 92 Aramite, Total	185		11.583				12.5	ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 3,3'-Dichlorobenzidine	252	11.851	11.851	0.000	75	1022851	12.5	13.2	
150 4,4'-Methylene bis(2-chloroanil	231	11.863	11.863	0.000	96	451552	12.5	14.0	
148 Benzo[a]anthracene	228	11.886	11.886	0.000	97	2365833	12.5	13.6	a
151 Chrysene	228	11.939	11.939	0.000	96	2356077	12.5	13.5	a
152 Bis(2-ethylhexyl) phthalate	149	11.945	11.945	0.000	94	1569358	12.5	13.9	
153 6-Methylchrysene	242	12.563	12.563	0.000	98	1535888	12.5	13.5	
154 Di-n-octyl phthalate	149	12.886	12.886	0.000	98	2260802	12.5	12.7	
156 7,12-Dimethylbenz(a)anthracene	256	13.410	13.410	0.000	91	930531	12.5	13.2	
155 Benzo[b]fluoranthene	252	13.410	13.410	0.000	97	2299911	12.5	14.0	a
157 Benzo[k]fluoranthene	252	13.451	13.451	0.000	98	2357861	12.5	13.6	a
158 Benzo[a]pyrene	252	13.892	13.892	0.000	76	2045185	12.5	13.8	a
* 159 Perylene-d12	264	13.974	13.974	0.000	99	693639	5.00	5.00	a
160 3-Methylcholanthrene	268	14.433	14.433	0.000	91	992995	12.5	13.5	
161 Dibenz[a,h]acridine	279	15.351	15.351	0.000	90	1414086	12.5	13.7	a
162 Dibenz[a,j]acridine	279	15.439	15.439	0.000	96	1694743	12.5	14.0	a
163 Indeno[1,2,3-cd]pyrene	276	15.768	15.768	0.000	98	1865420	12.5	13.7	Ma
164 Dibenz(a,h)anthracene	278	15.821	15.821	0.000	93	1996845	12.5	14.0	a
165 Benzo[g,h,i]perylene	276	16.292	16.292	0.000	98	1906075	12.5	13.6	a
S 166 Isosafrole	162				0		12.5	12.9	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_6_00064 Amount Added: 1.00 Units: mL

Report Date: 01-May-2025 21:48:02 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D

Injection Date: 01-May-2025 09:34:30 Instrument ID: HP18831 Operator ID: CJS101602

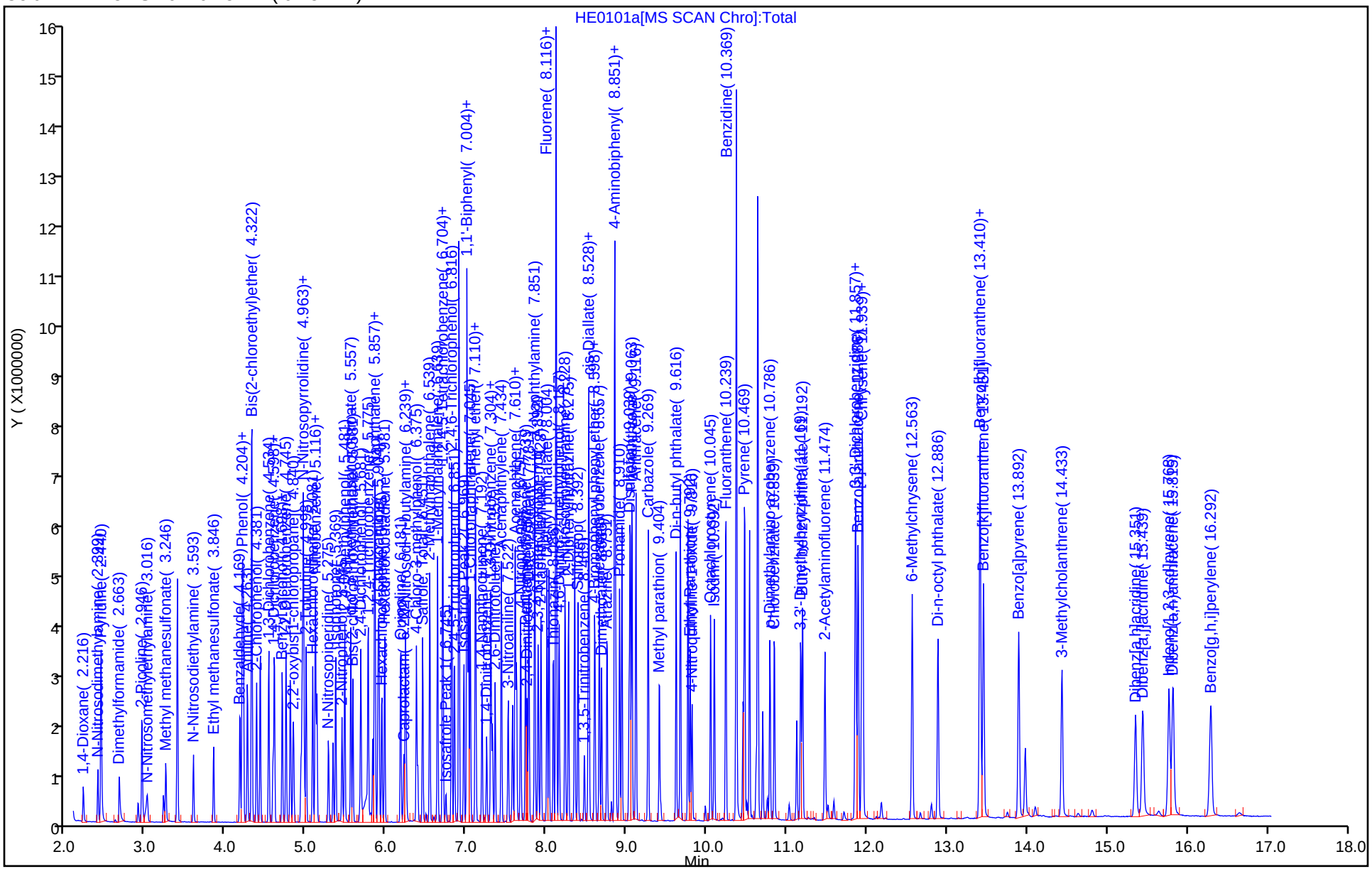
Lims ID: ICIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

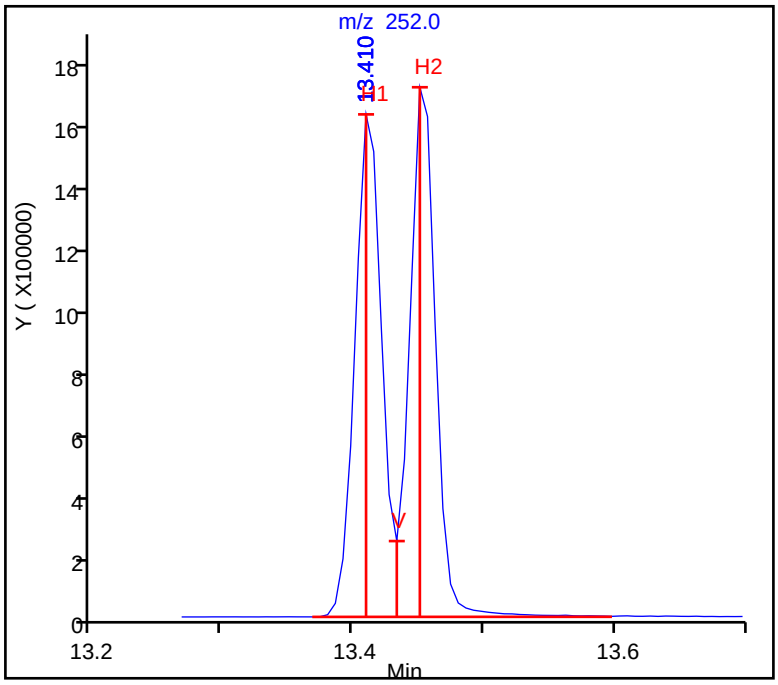
155 Benzo[b]fluoranthene - 157 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 244647
H1(155 Benzo[b]fluoranthen) = 1621833
H2(157 Benzo[k]fluoranthen) = 1709325

Version D: %R = 14.7 <= 50.0
Passed



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

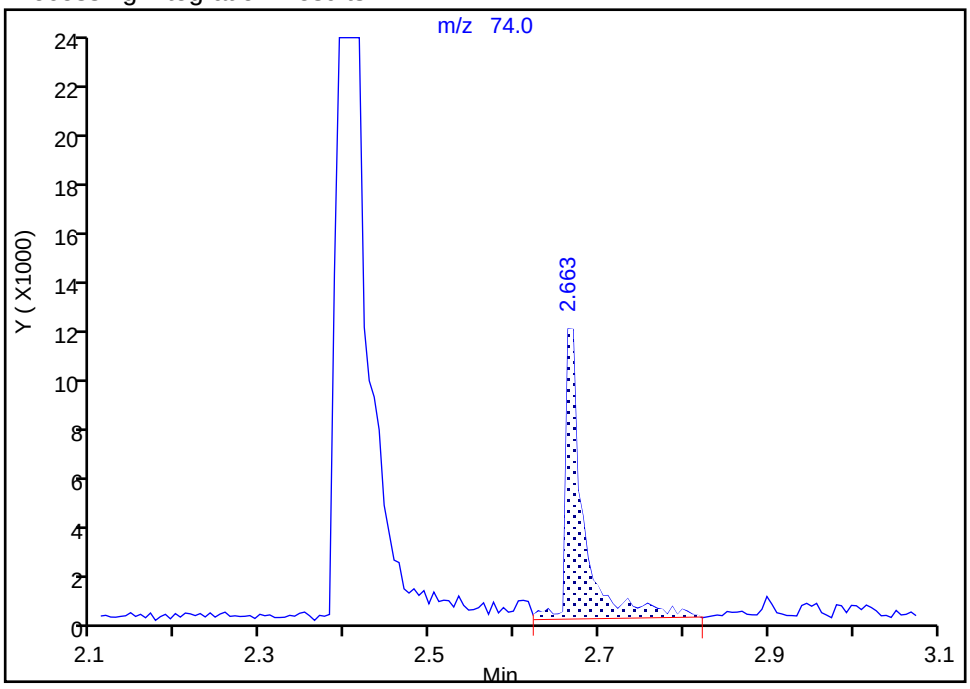
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D
Injection Date: 01-May-2025 09:34:30 Instrument ID: HP18831
Lims ID: ICIS L6
Client ID:
Operator ID: CJS101602 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

2 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

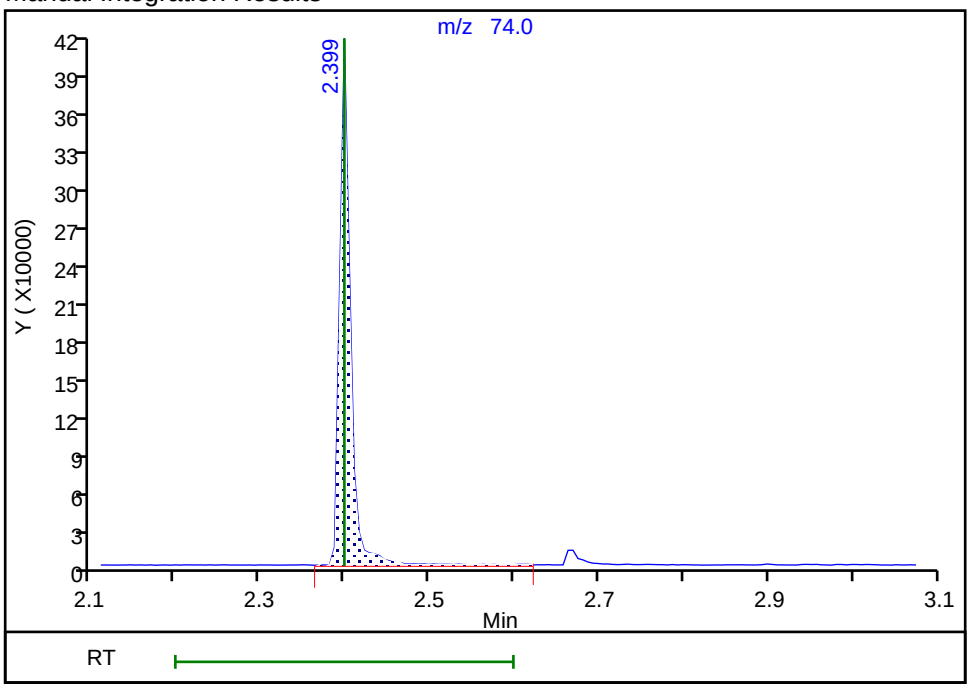
Processing Integration Results

RT: 2.66
Area: 17113
Amount: 7.263811
Amount Units: ug/ml



Manual Integration Results

RT: 2.40
Area: 371620
Amount: 12.782375
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:46:12 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

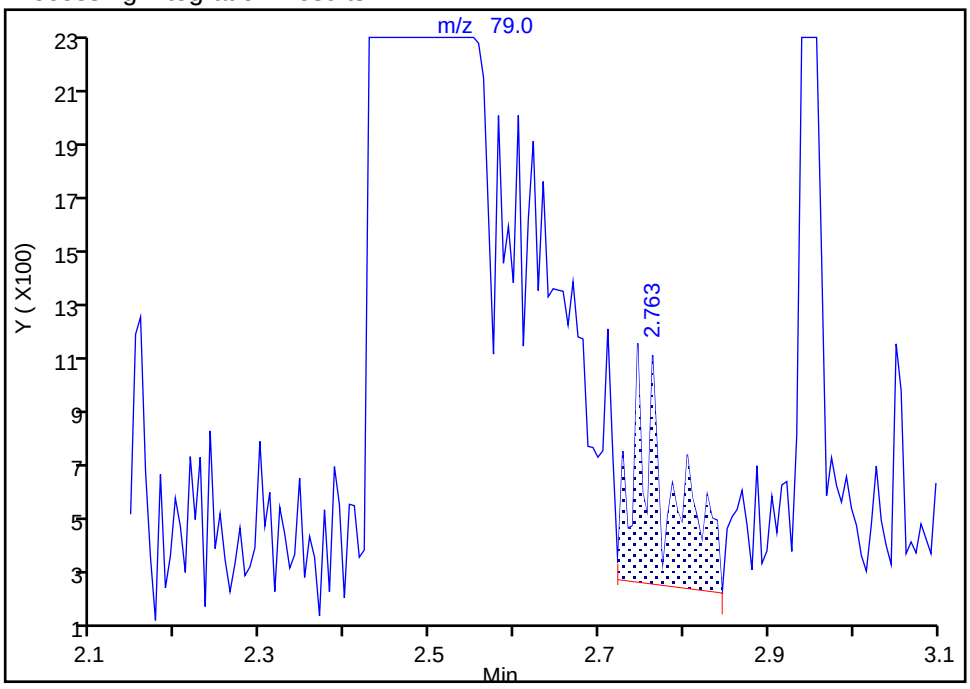
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

3 Pyridine, CAS: 110-86-1

Signal: 1

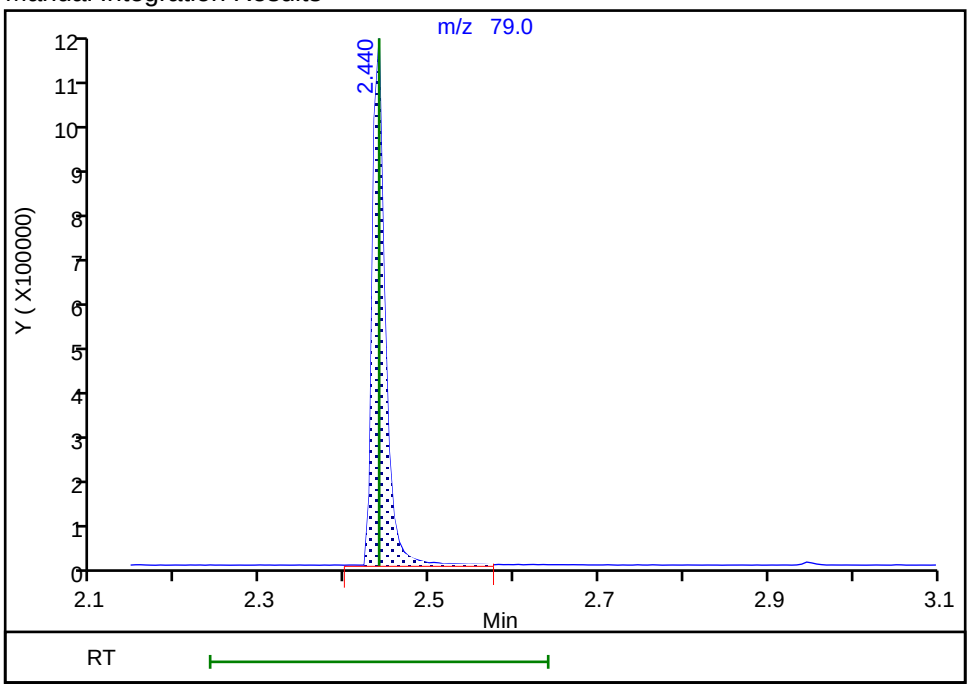
Processing Integration Results

RT: 2.76
Area: 2428
Amount: 0.212312
Amount Units: ug/ml



Manual Integration Results

RT: 2.44
Area: 1221440
Amount: 25.993944
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:46:09 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

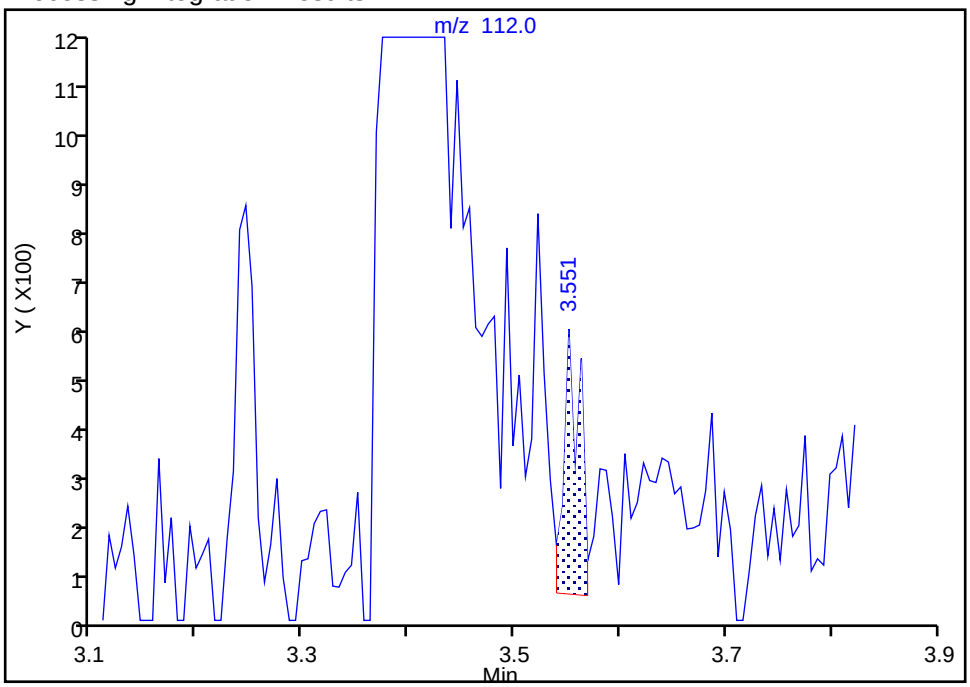
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

$ 10 2-Fluorophenol, CAS: 367-12-4

Signal: 1

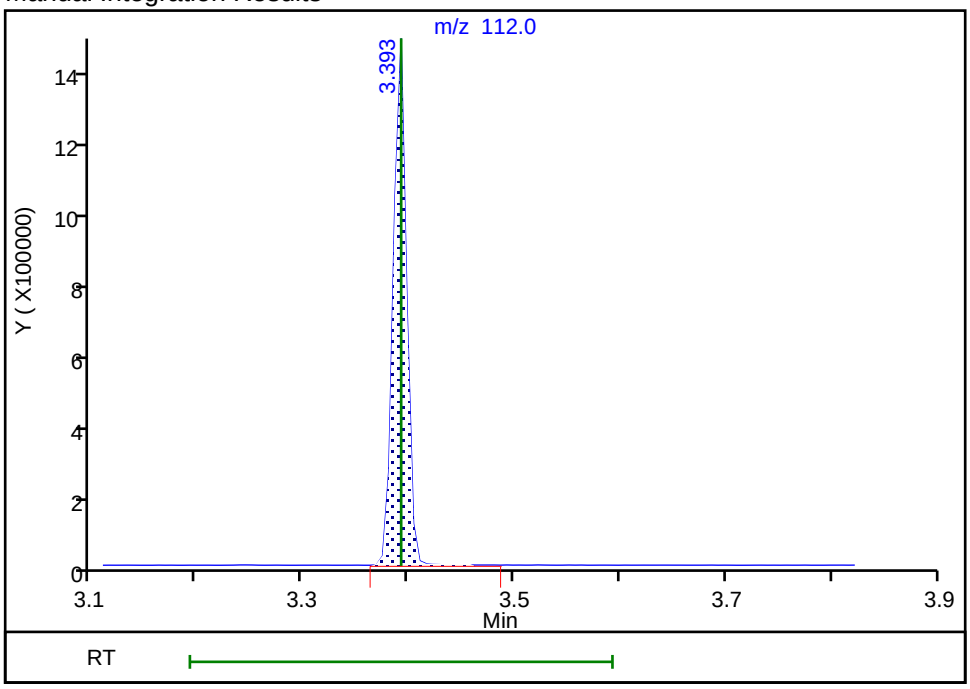
Processing Integration Results

RT: 3.55
Area: 540
Amount: 0.013558
Amount Units: ug/ml



Manual Integration Results

RT: 3.39
Area: 1247464
Amount: 27.081731
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:45:50 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

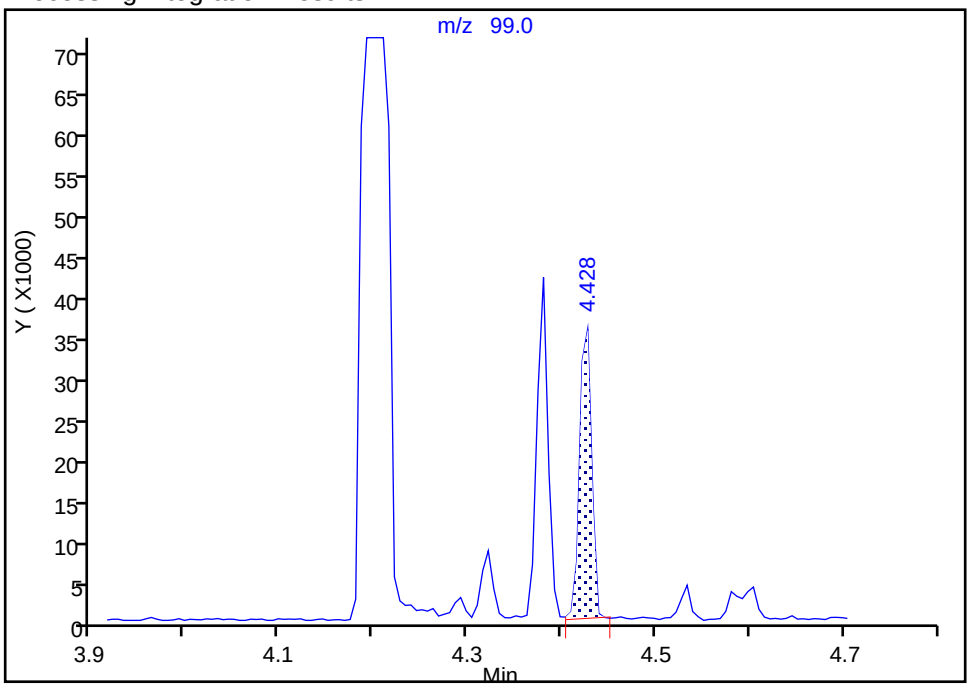
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D
Injection Date: 01-May-2025 09:34:30 Instrument ID: HP18831
Lims ID: ICIS L6
Client ID:
Operator ID: CJS101602 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

$ 16 Phenol-d5, CAS: 4165-62-2

Signal: 1

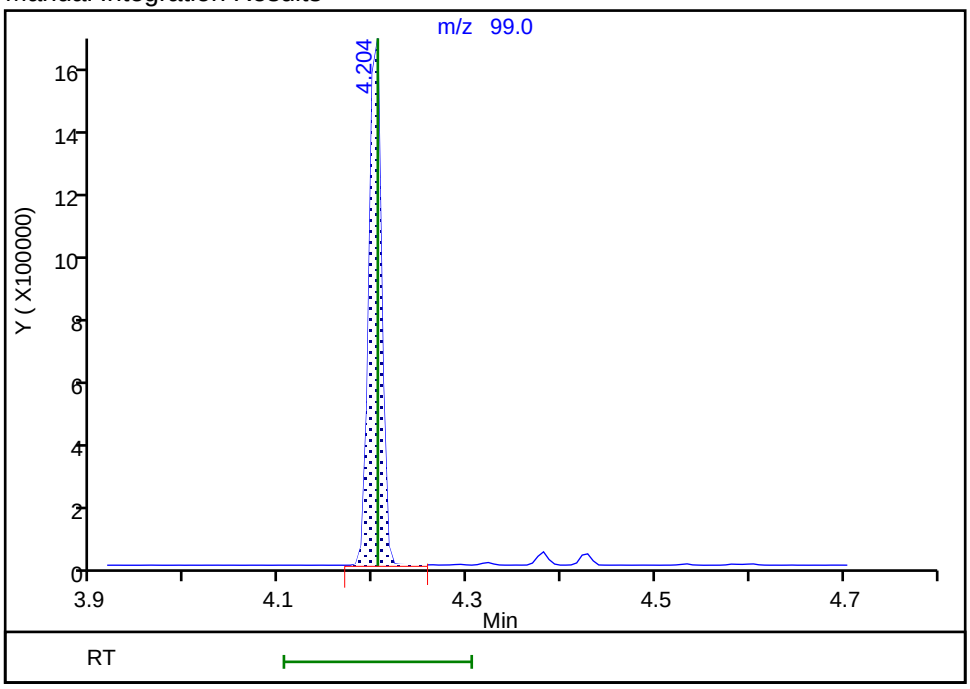
Processing Integration Results

RT: 4.43
Area: 31530
Amount: 25.500744
Amount Units: ug/ml



Manual Integration Results

RT: 4.20
Area: 1554199
Amount: 27.622558
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:45:52 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

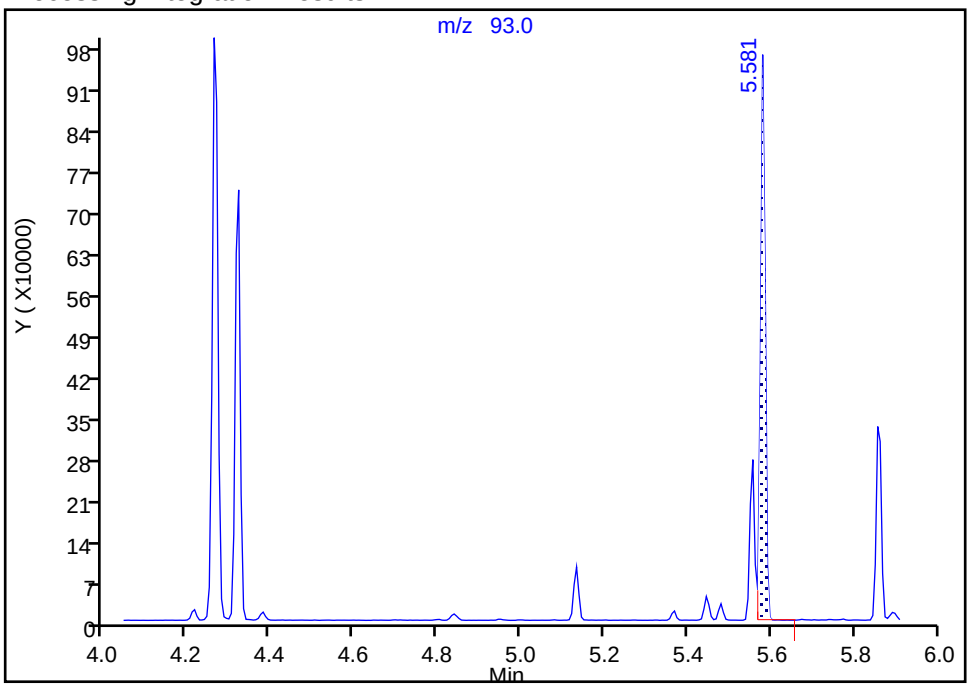
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

19 Bis(2-chloroethyl)ether, CAS: 111-44-4

Signal: 1

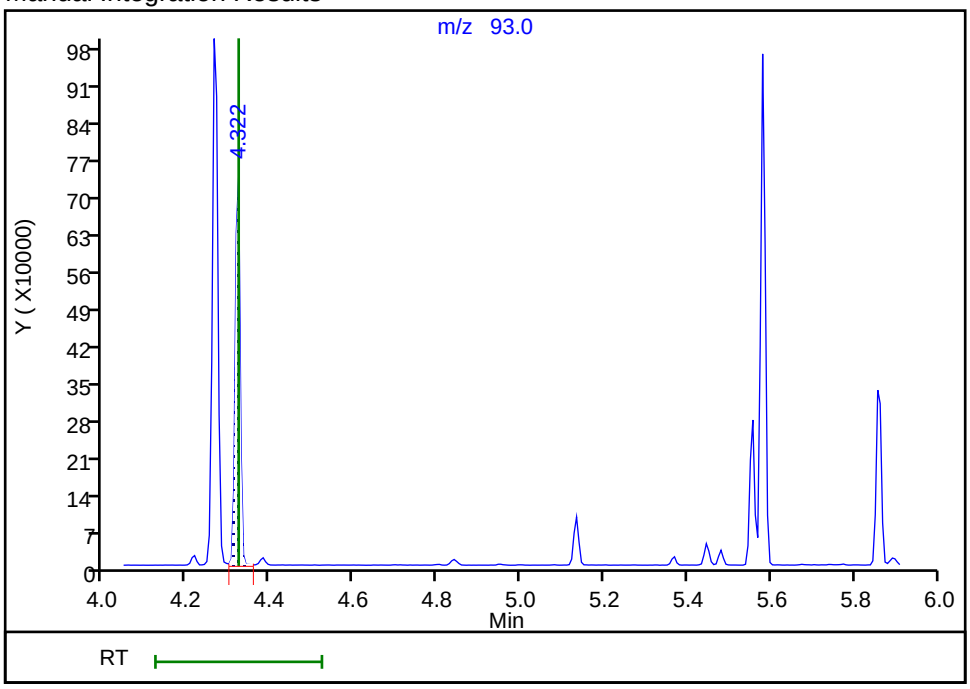
Processing Integration Results

RT: 5.58
Area: 746777
Amount: 15.146430
Amount Units: ug/ml



Manual Integration Results

RT: 4.32
Area: 620268
Amount: 12.911829
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 14:03:16 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

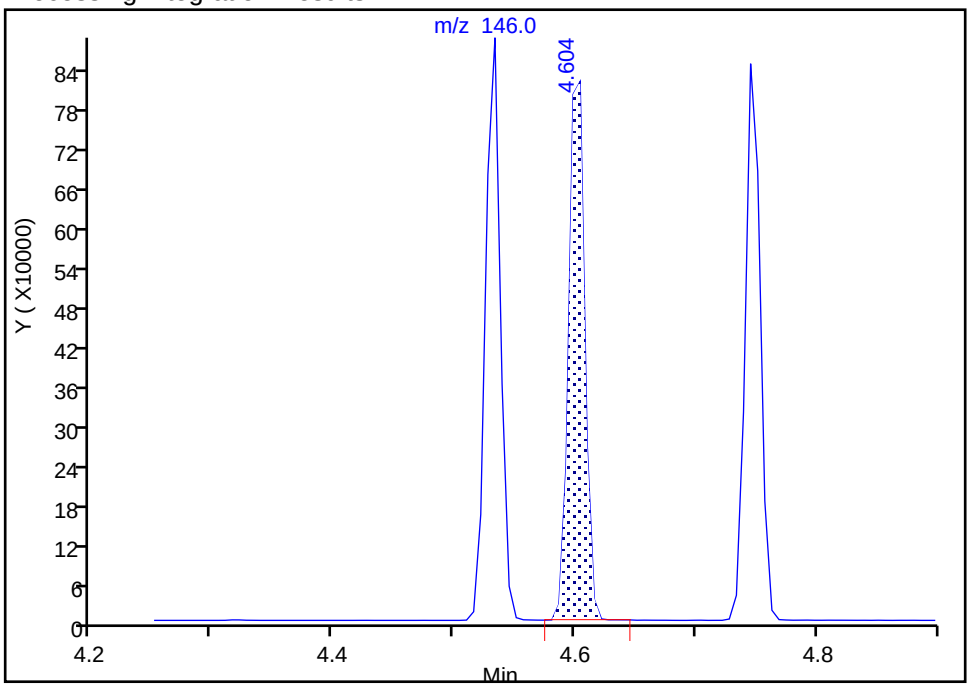
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

22 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

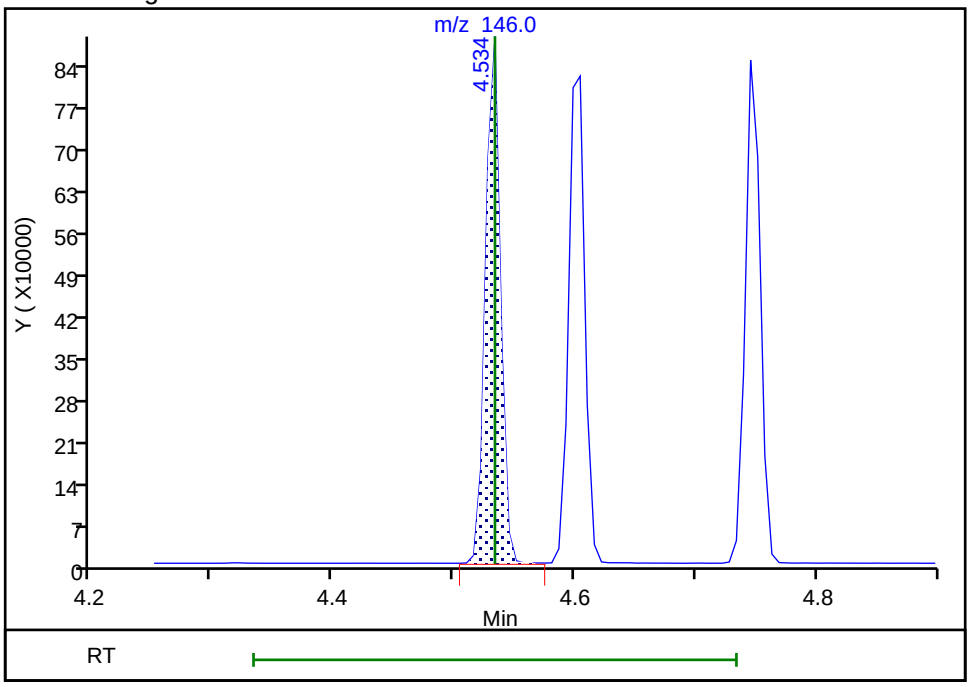
Processing Integration Results

RT: 4.60
Area: 766047
Amount: 13.153724
Amount Units: ug/ml



Manual Integration Results

RT: 4.53
Area: 757593
Amount: 13.132164
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:05:39 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

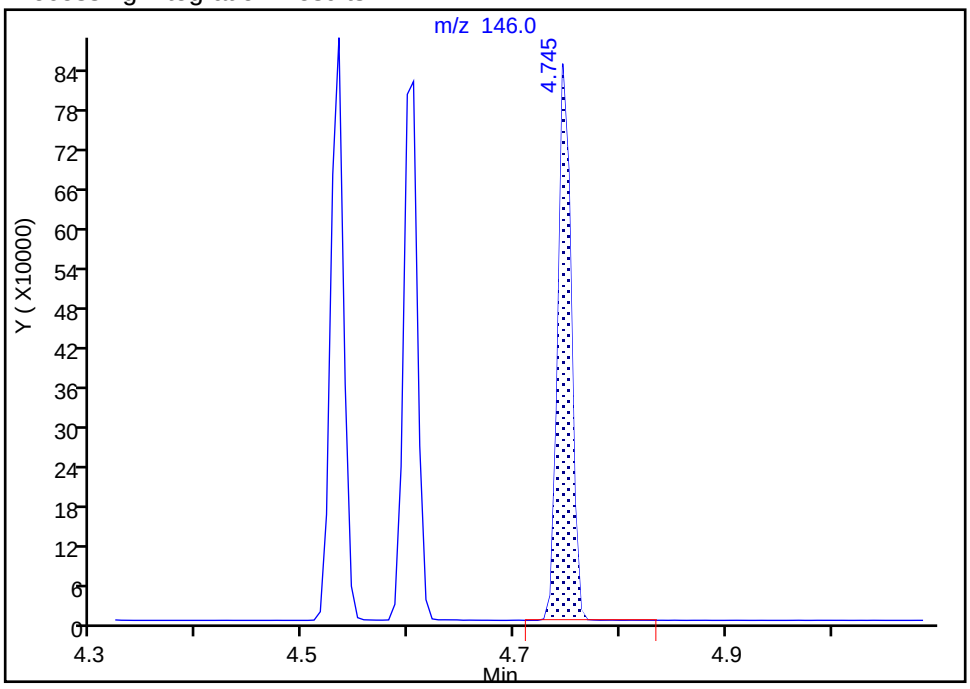
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D
Injection Date: 01-May-2025 09:34:30 Instrument ID: HP18831
Lims ID: ICIS L6
Client ID:
Operator ID: CJS101602 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

24 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

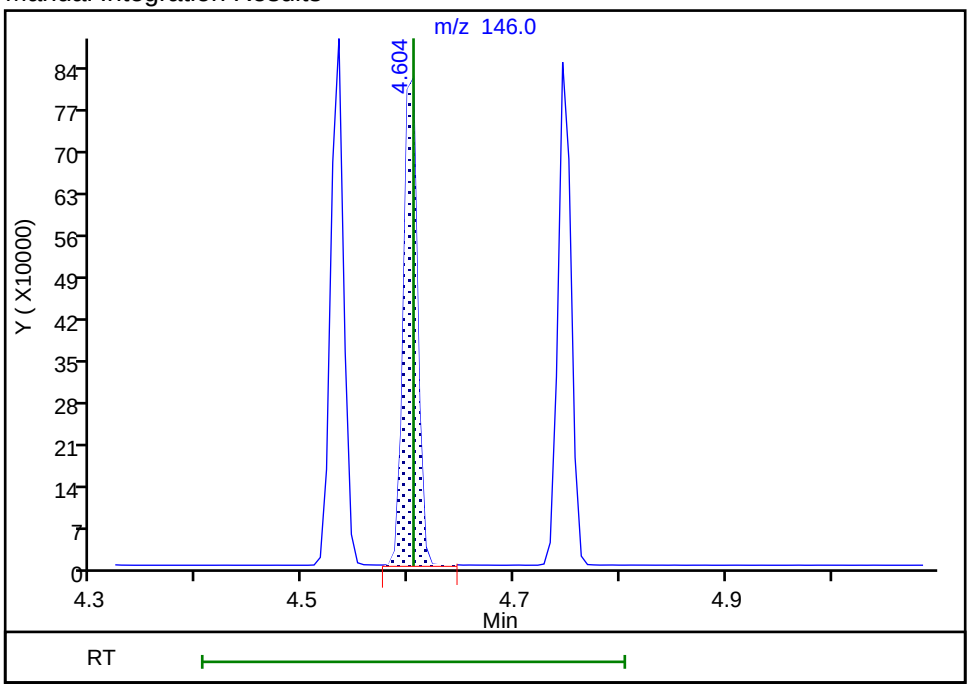
Processing Integration Results

RT: 4.75
Area: 733554
Amount: 13.100327
Amount Units: ug/ml



Manual Integration Results

RT: 4.60
Area: 766047
Amount: 13.151731
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:05:44 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

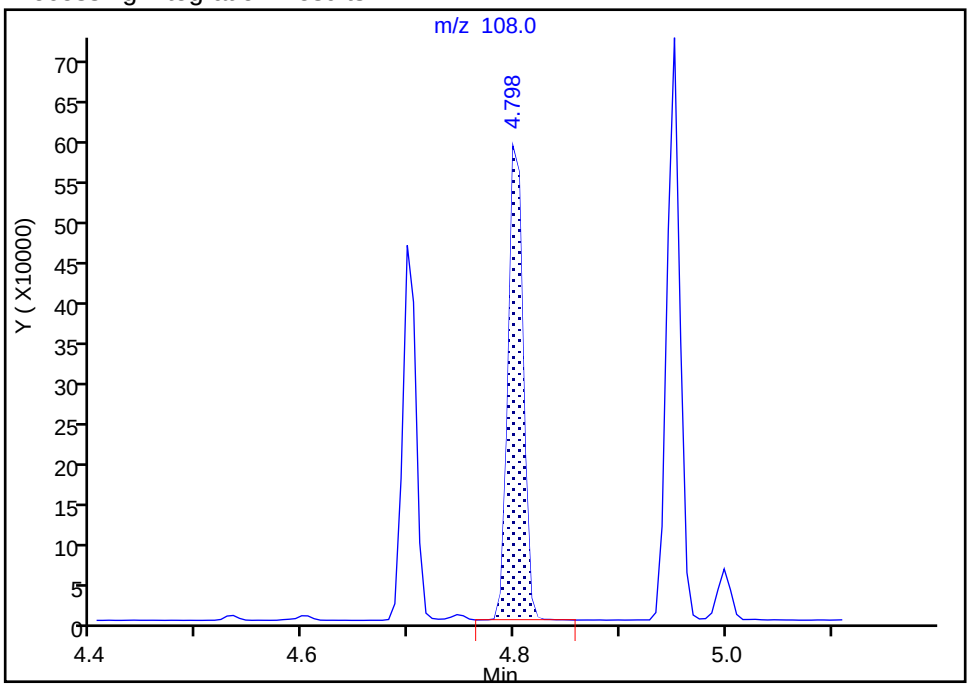
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D
Injection Date: 01-May-2025 09:34:30 Instrument ID: HP18831
Lims ID: ICIS L6
Client ID:
Operator ID: CJS101602 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

26 Benzyl alcohol, CAS: 100-51-6

Signal: 1

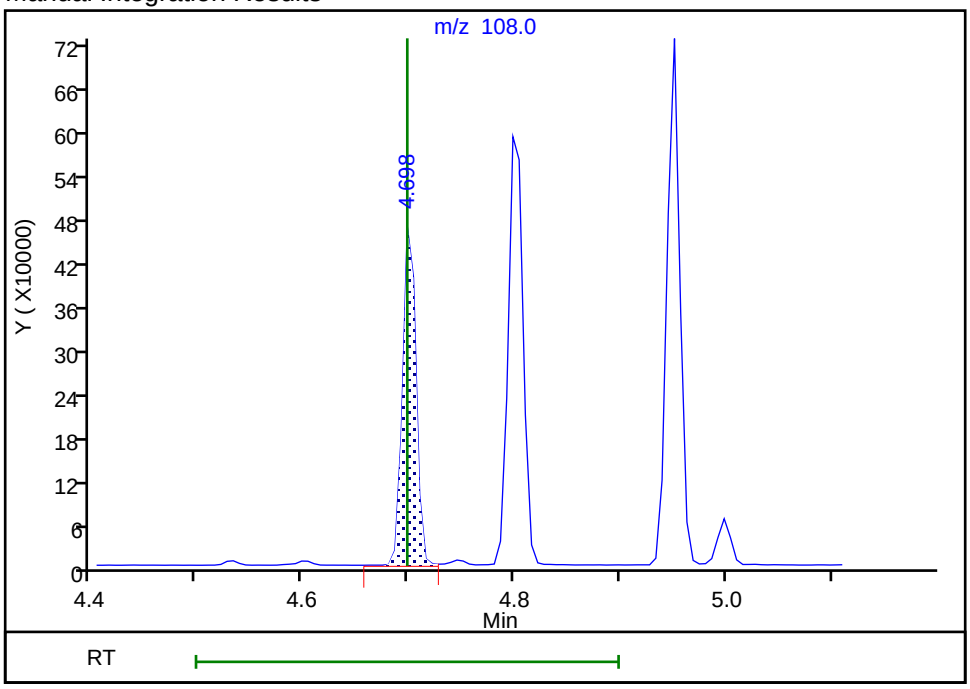
Processing Integration Results

RT: 4.80
Area: 580239
Amount: 14.180137
Amount Units: ug/ml



Manual Integration Results

RT: 4.70
Area: 410141
Amount: 13.254450
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:46:56 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

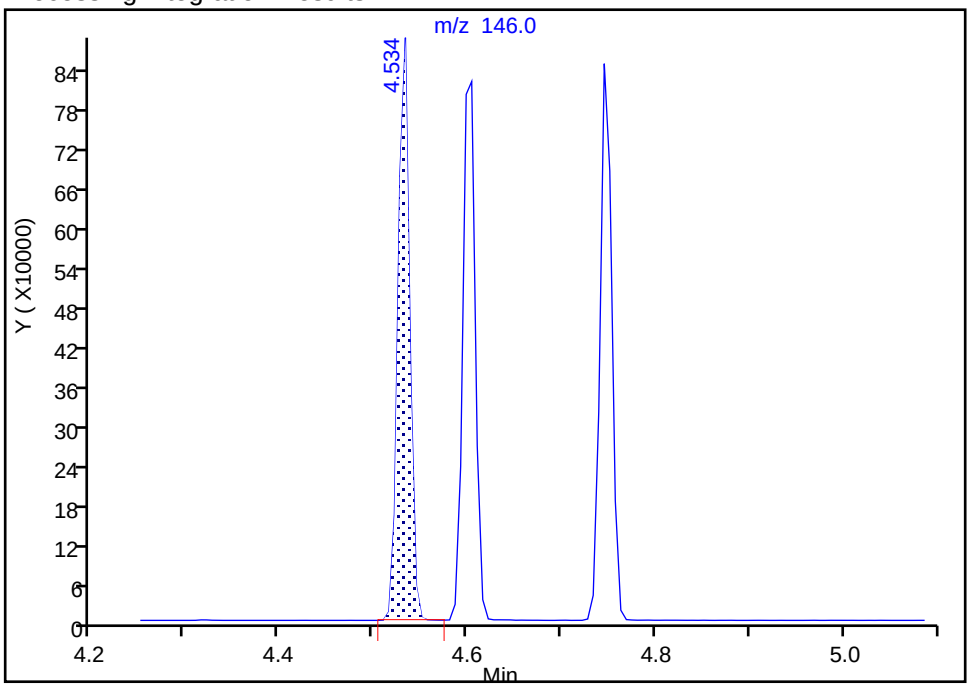
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

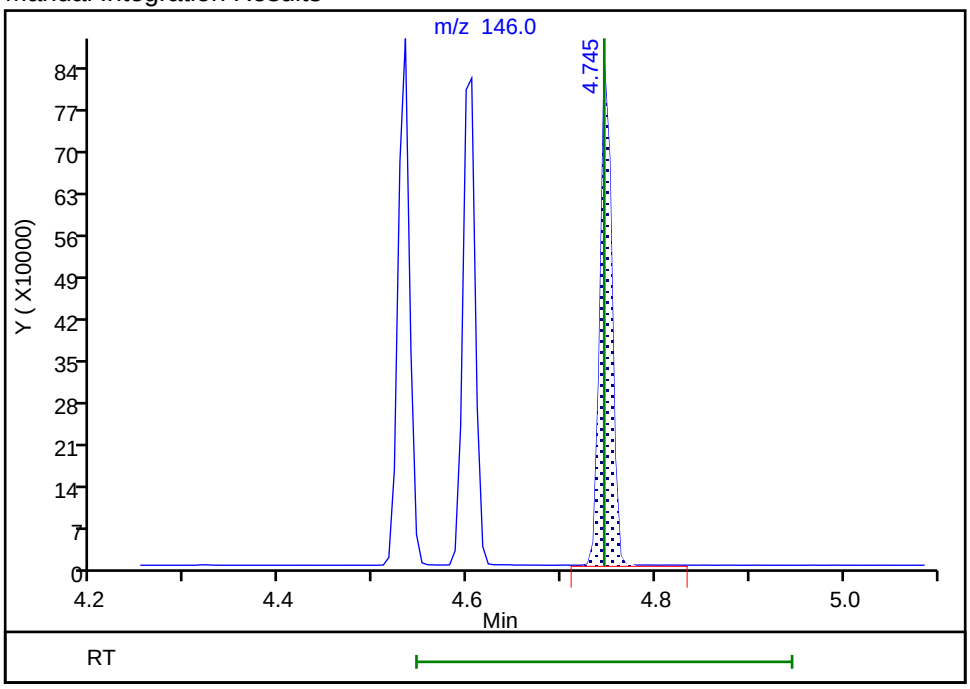
Processing Integration Results

RT: 4.53
Area: 757578
Amount: 13.190922
Amount Units: ug/ml



Manual Integration Results

RT: 4.75
Area: 733547
Amount: 13.162933
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:05:32 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

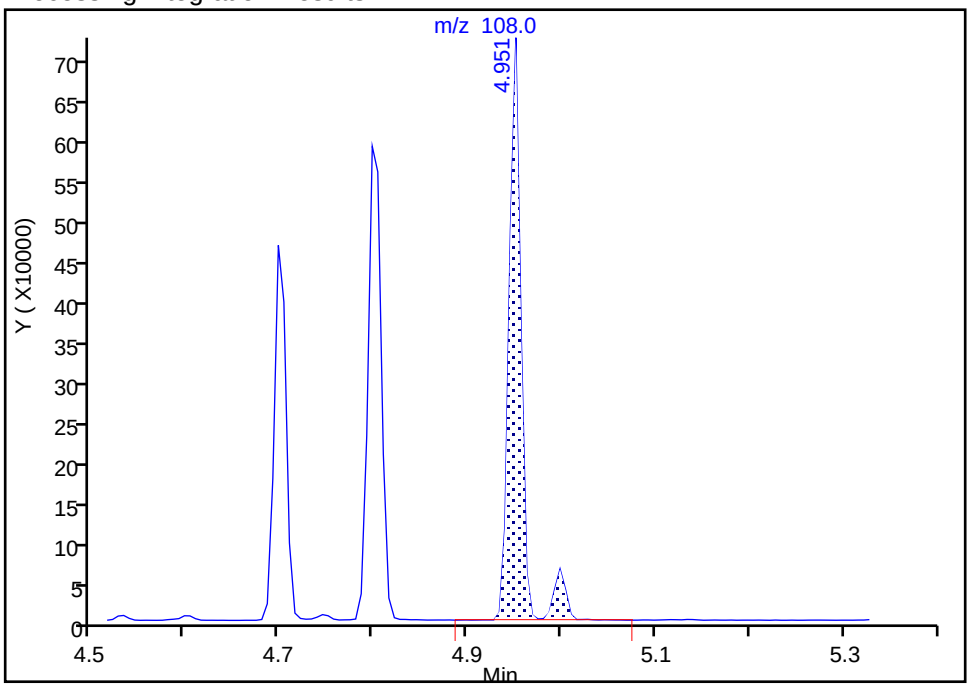
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

30 2-Methylphenol, CAS: 95-48-7

Signal: 1

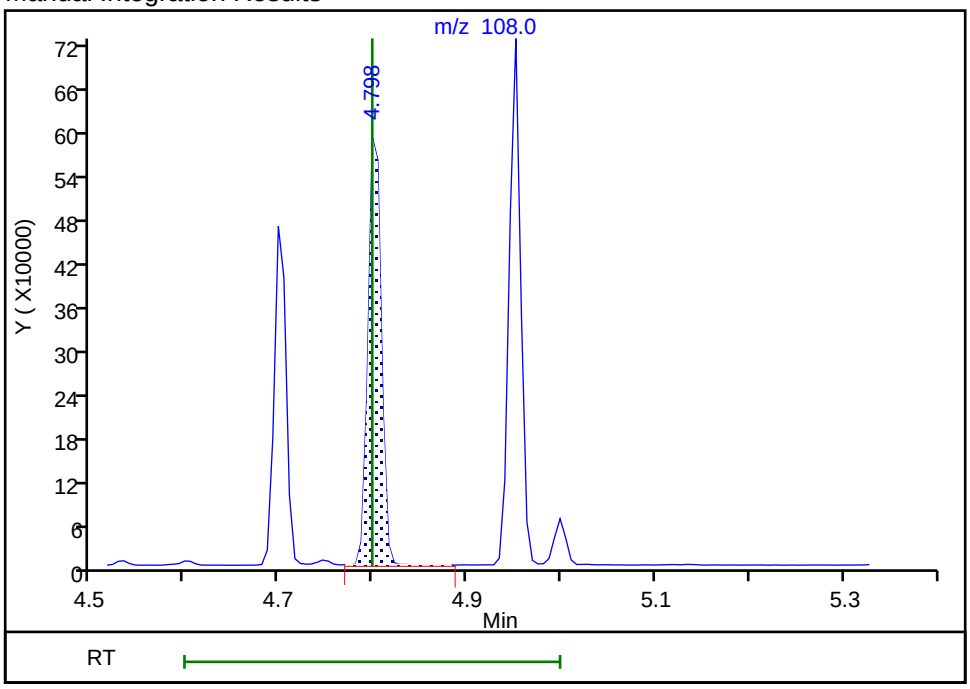
Processing Integration Results

RT: 4.95
Area: 672855
Amount: 13.620404
Amount Units: ug/ml



Manual Integration Results

RT: 4.80
Area: 581197
Amount: 13.730552
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:47:05 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

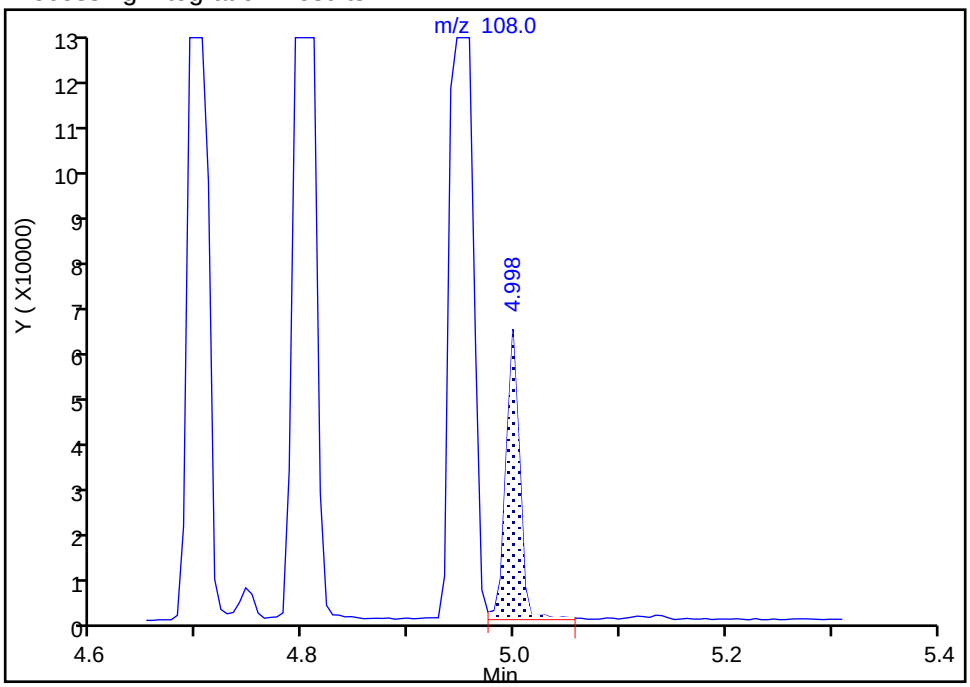
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

36 4-Methylphenol, CAS: 106-44-5

Signal: 1

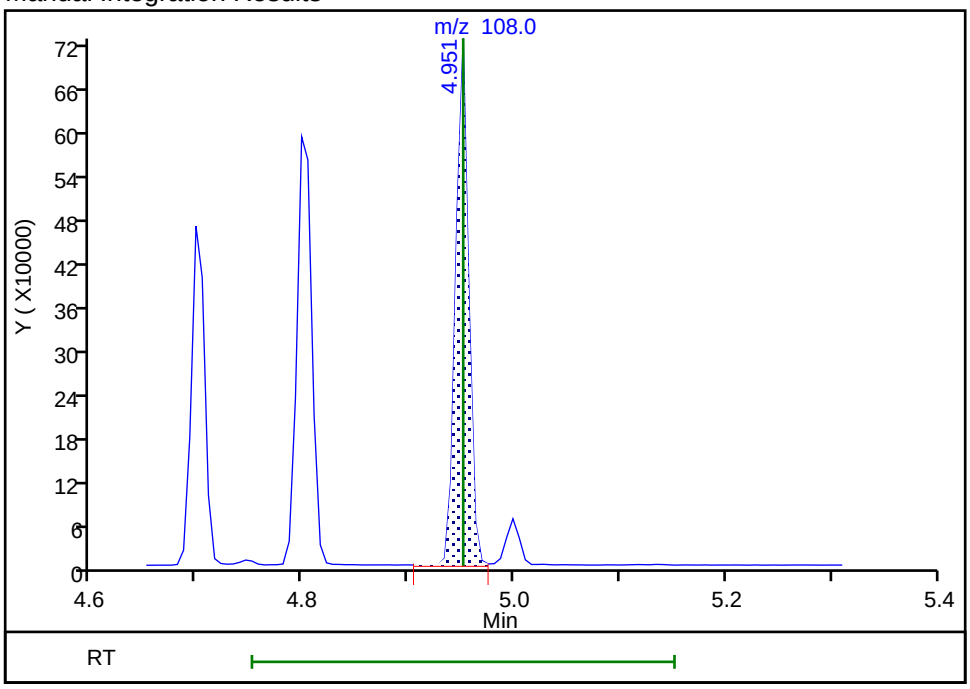
Processing Integration Results

RT: 5.00
Area: 57643
Amount: 6.016468
Amount Units: ug/ml



Manual Integration Results

RT: 4.95
Area: 614065
Amount: 13.583120
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:47:16 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

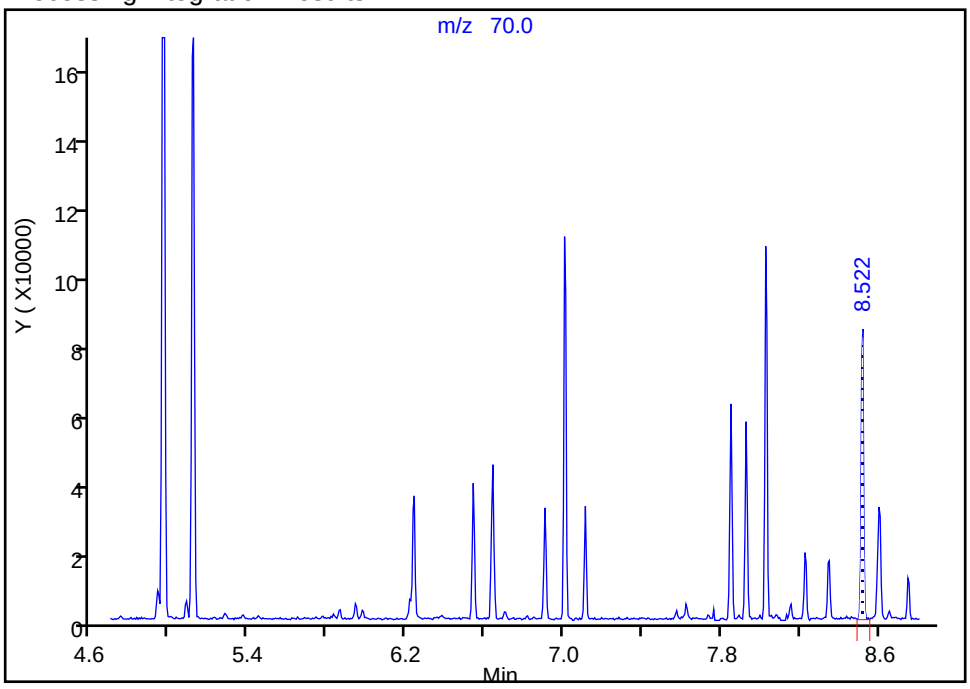
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

35 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

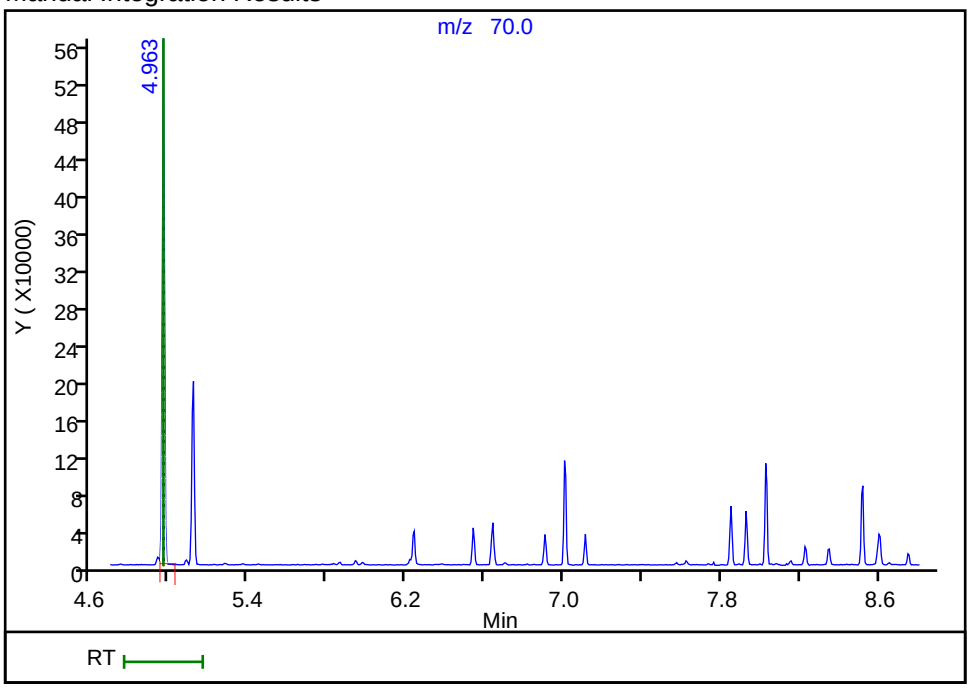
Processing Integration Results

RT: 8.52
Area: 73592
Amount: 2.408811
Amount Units: ug/ml



Manual Integration Results

RT: 4.96
Area: 438902
Amount: 12.831788
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 14:08:01 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

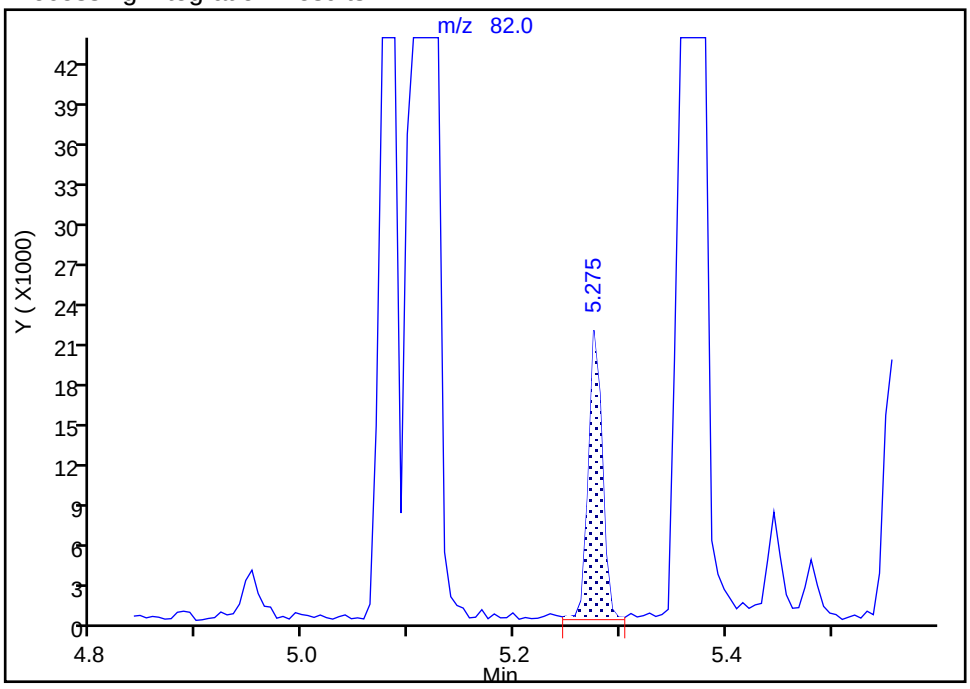
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

$ 41 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

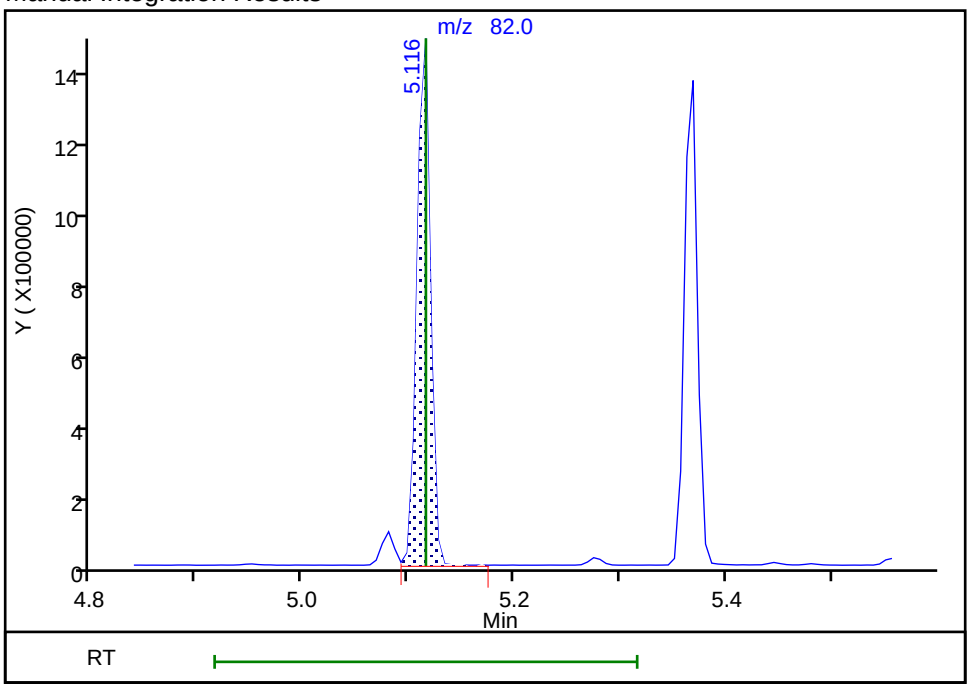
Processing Integration Results

RT: 5.27
Area: 19585
Amount: 0.254543
Amount Units: ug/ml



Manual Integration Results

RT: 5.12
Area: 1329289
Amount: 26.502652
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:45:56 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

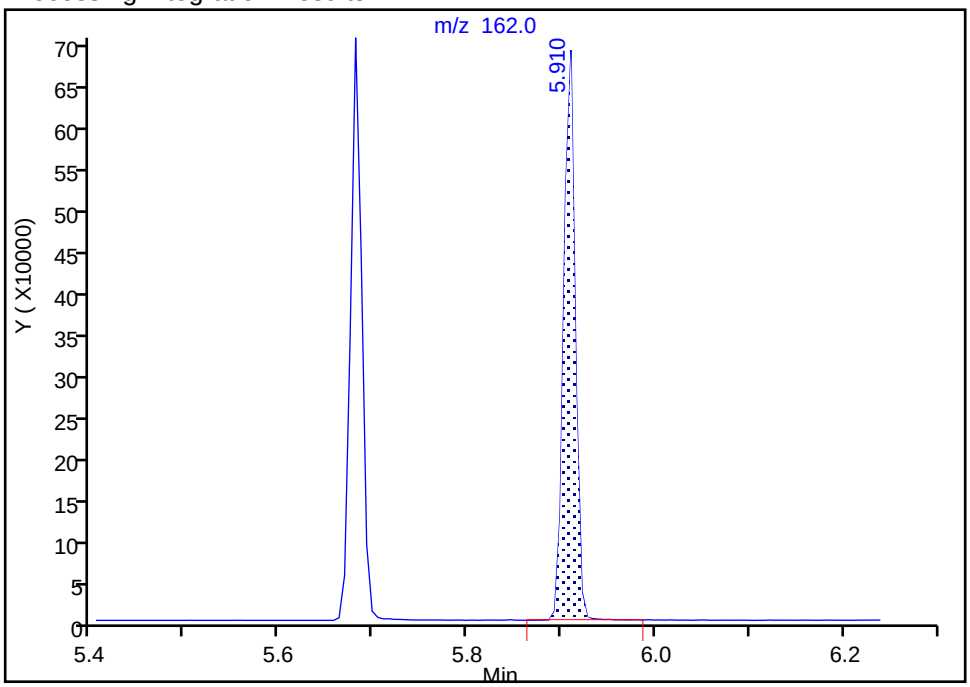
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

52 2,4-Dichlorophenol, CAS: 120-83-2

Signal: 1

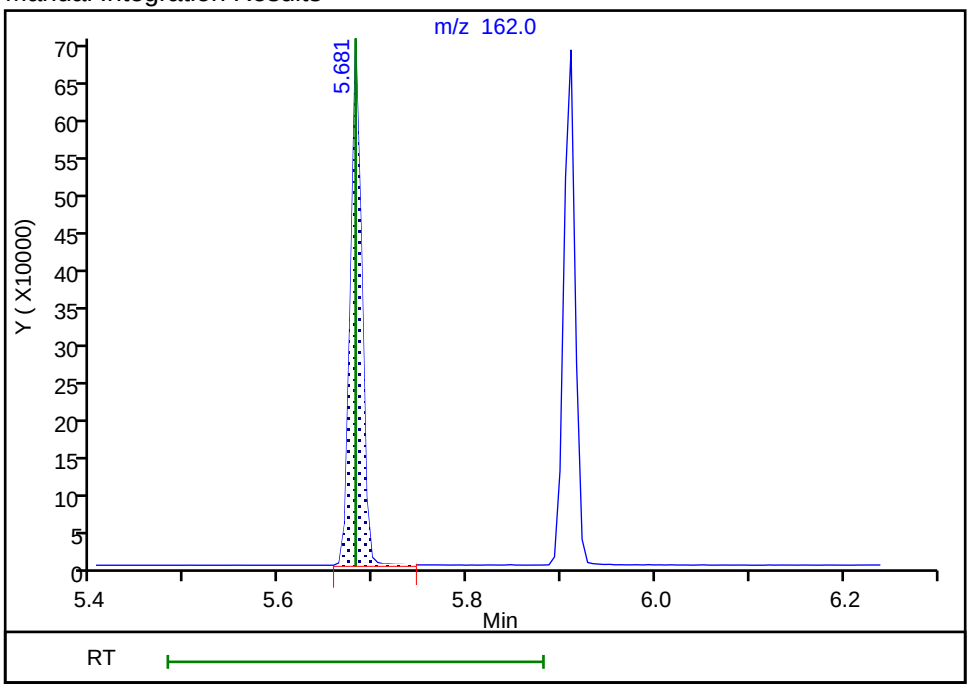
Processing Integration Results

RT: 5.91
Area: 584561
Amount: 13.734376
Amount Units: ug/ml



Manual Integration Results

RT: 5.68
Area: 584387
Amount: 13.879215
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:10:49 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

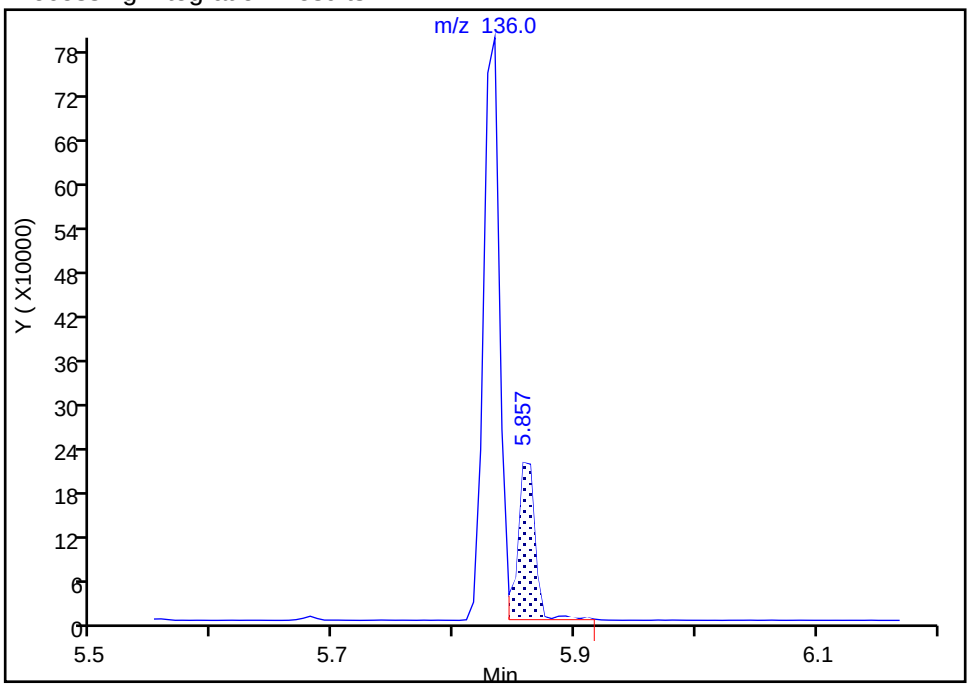
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 54 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

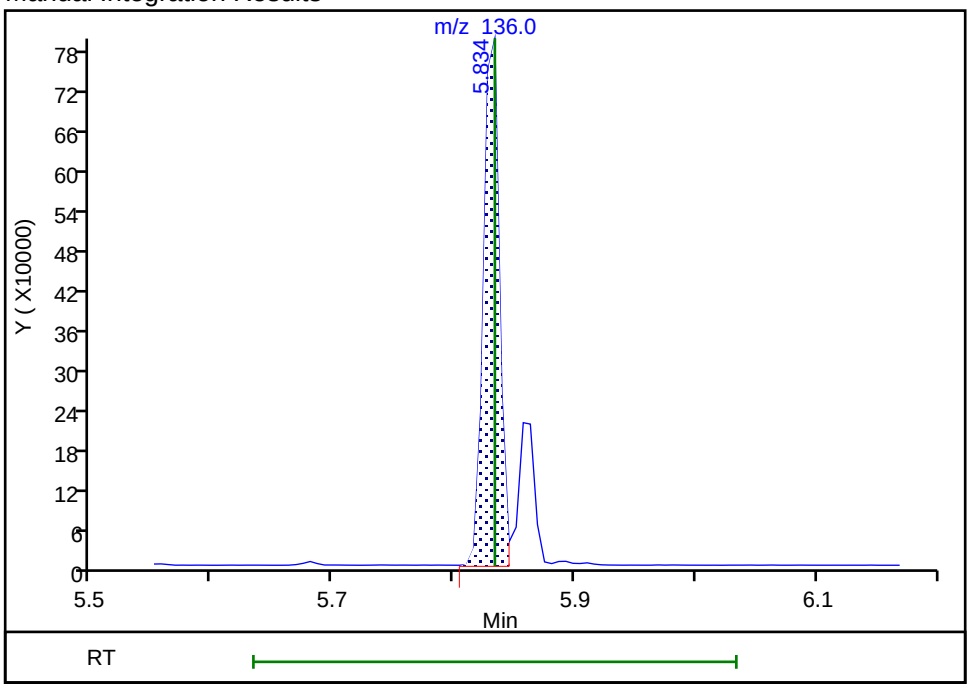
Processing Integration Results

RT: 5.86
Area: 208654
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.83
Area: 731775
Amount: 5.000000
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:45:27 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

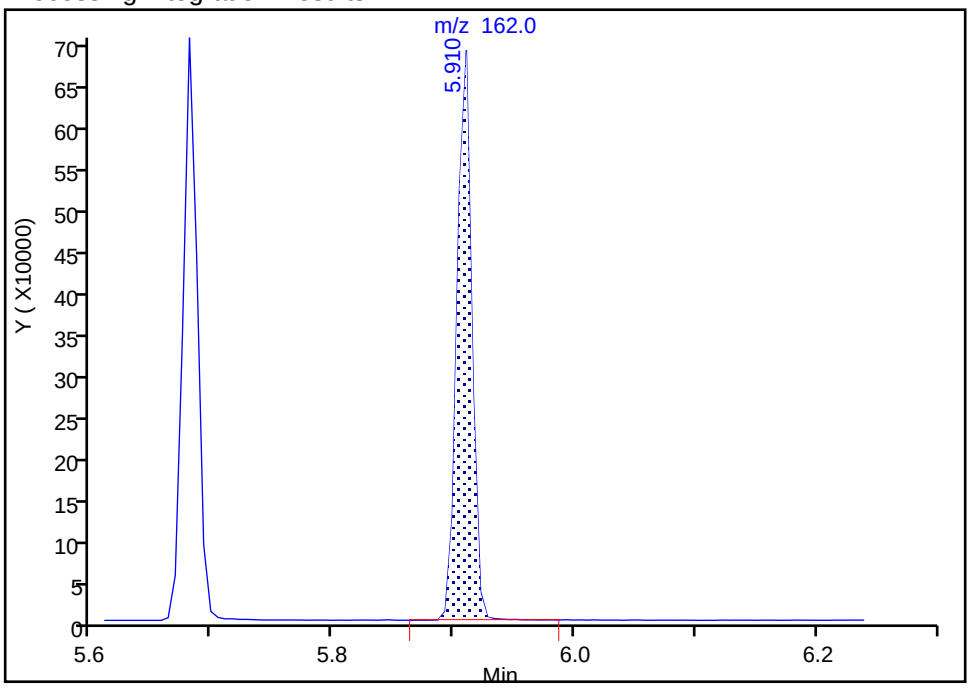
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

58 2,6-Dichlorophenol, CAS: 87-65-0

Signal: 1

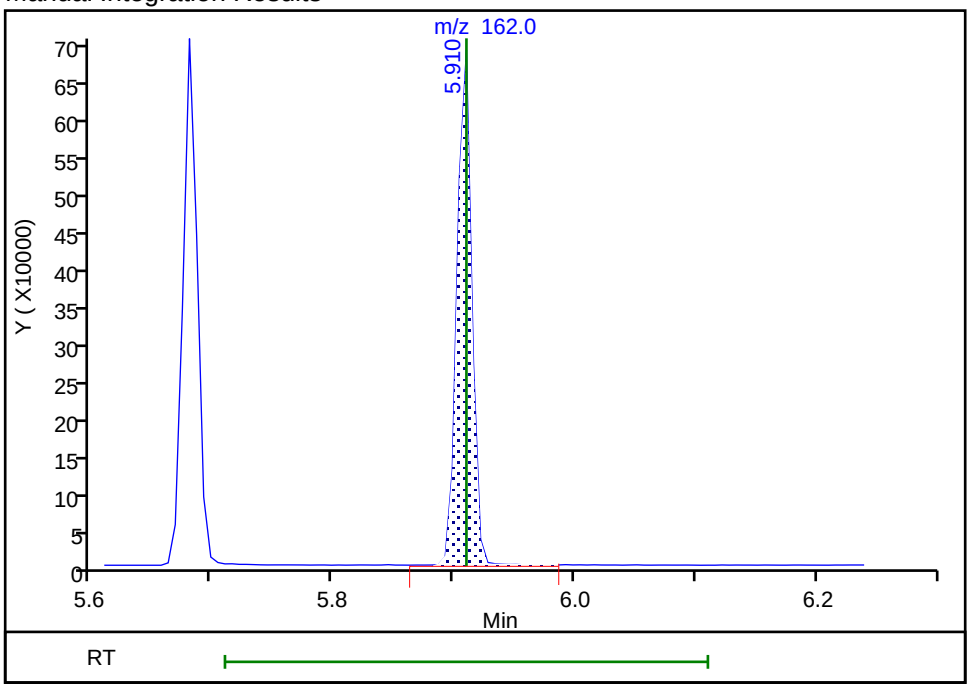
Processing Integration Results

RT: 5.91
Area: 584561
Amount: 61.803189
Amount Units: ug/ml



Manual Integration Results

RT: 5.91
Area: 584561
Amount: 13.591657
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:10:55 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

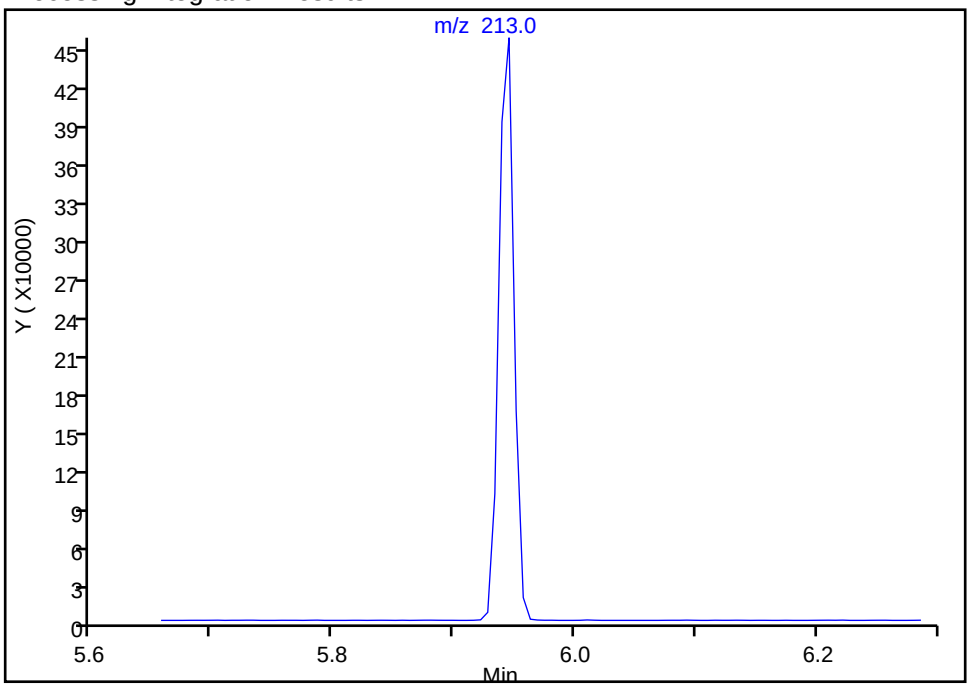
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

59 Hexachloropropene, CAS: 1888-71-7

Signal: 1

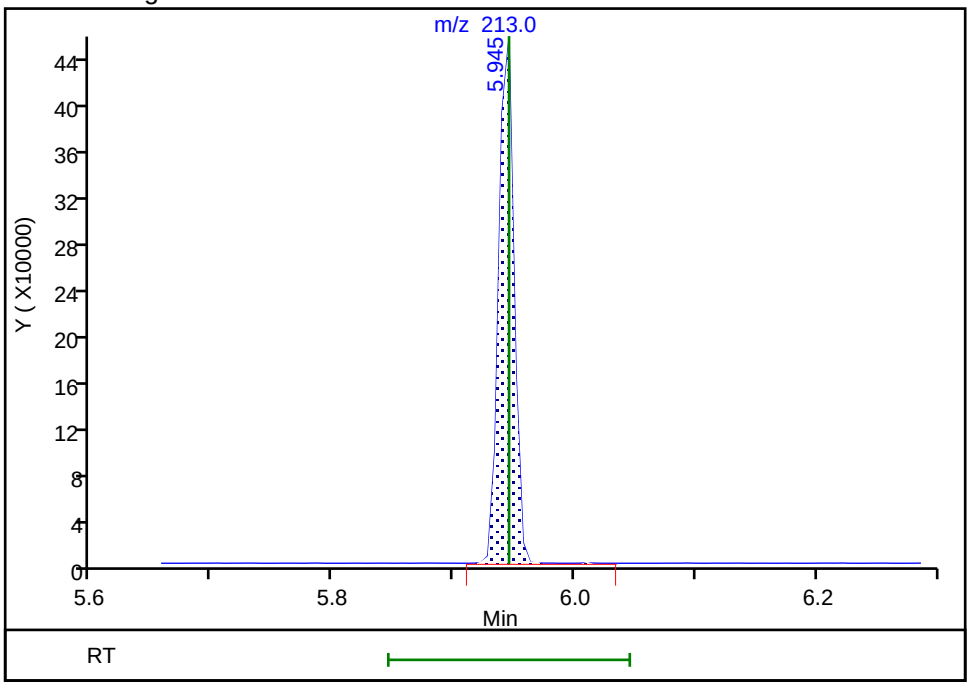
Not Detected
Expected RT: 5.95

Processing Integration Results



Manual Integration Results

RT: 5.95
Area: 398838
Amount: 13.382623
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:48:11 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

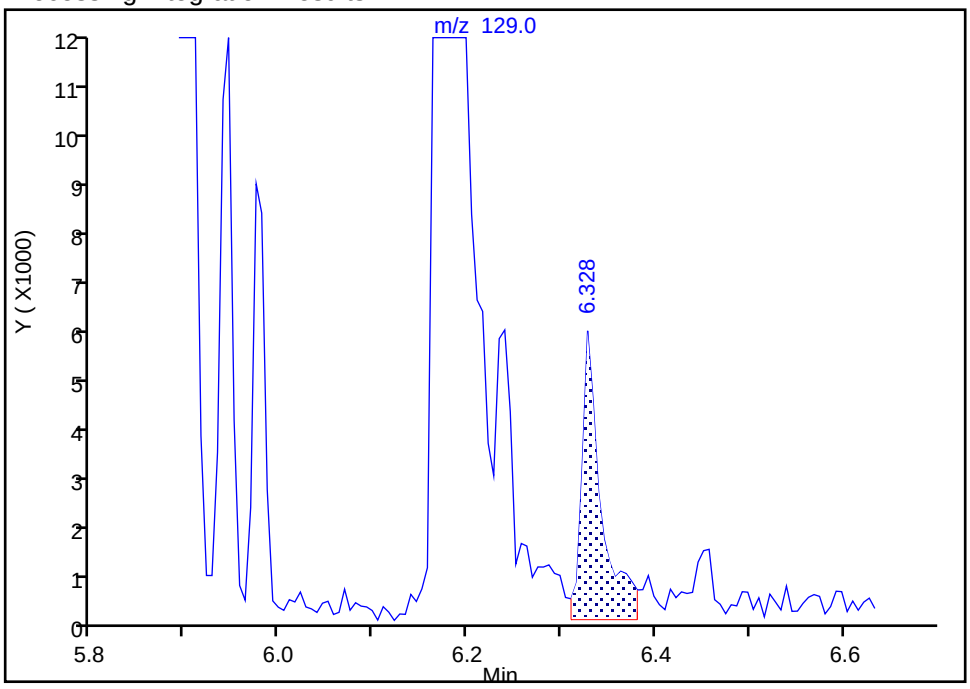
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

62 Quinoline, CAS: 91-22-5

Signal: 1

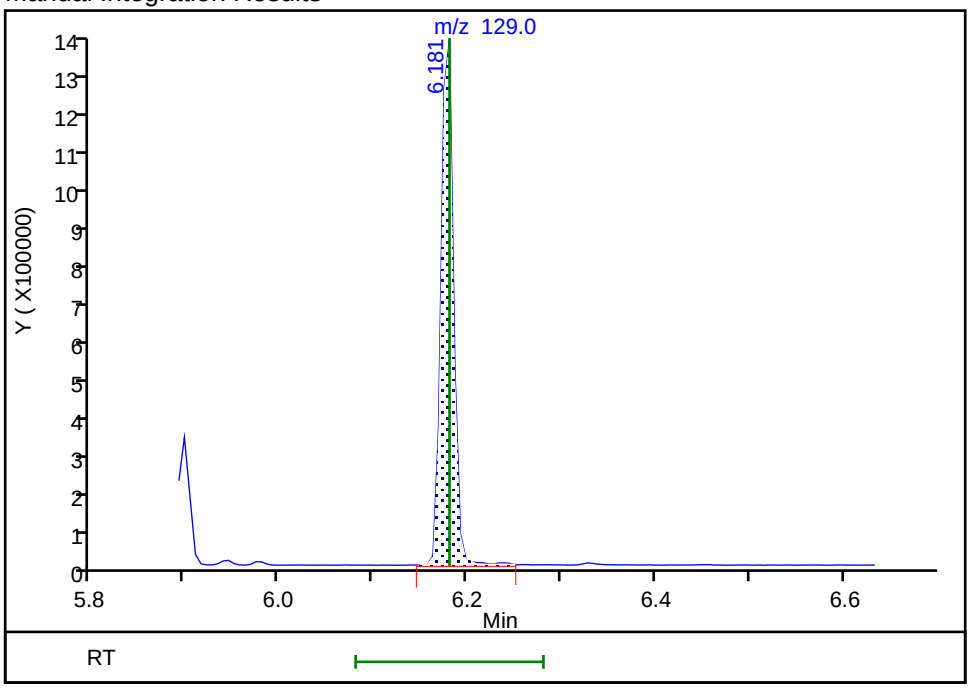
Processing Integration Results

RT: 6.33
Area: 8419
Amount: 5.218727
Amount Units: ug/ml



Manual Integration Results

RT: 6.18
Area: 1229995
Amount: 12.887014
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:48:26 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

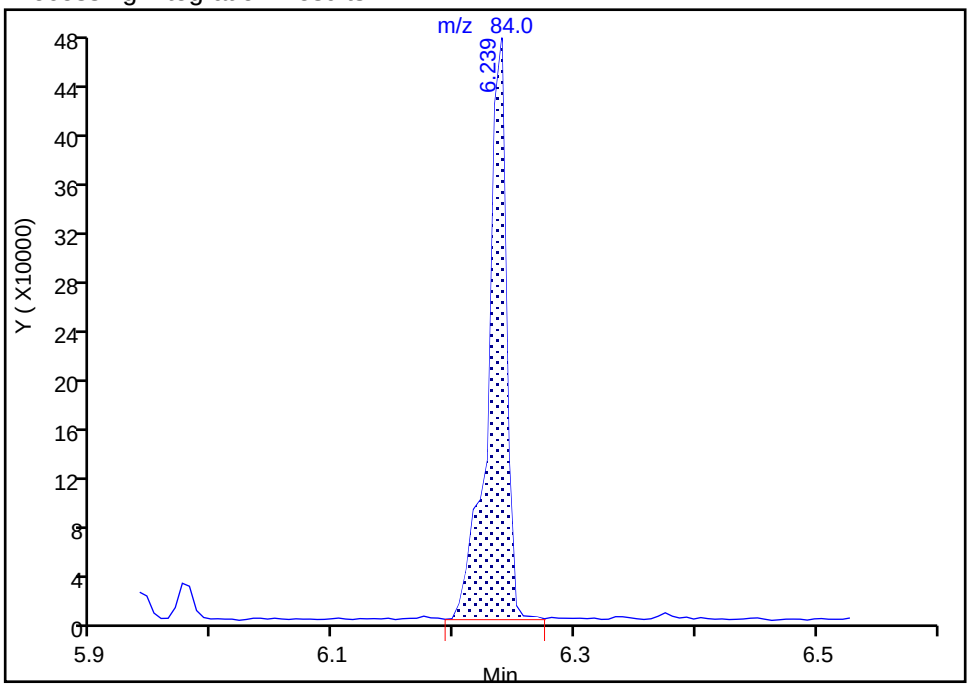
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

64 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Signal: 1

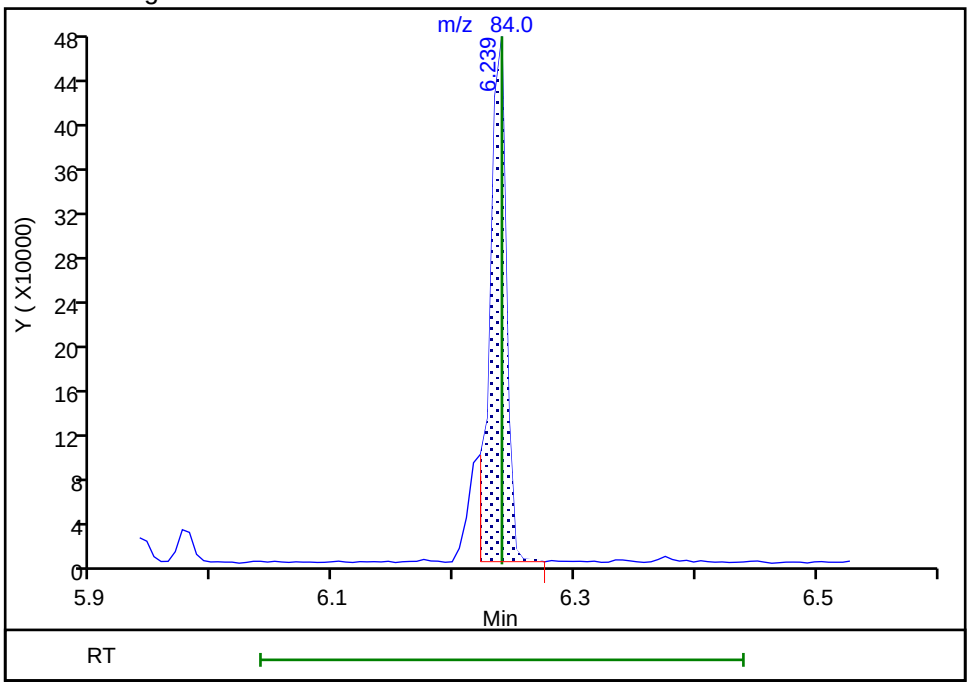
Processing Integration Results

RT: 6.24
Area: 501648
Amount: 8.878882
Amount Units: ug/ml



Manual Integration Results

RT: 6.24
Area: 433307
Amount: 13.489238
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 14:10:31 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

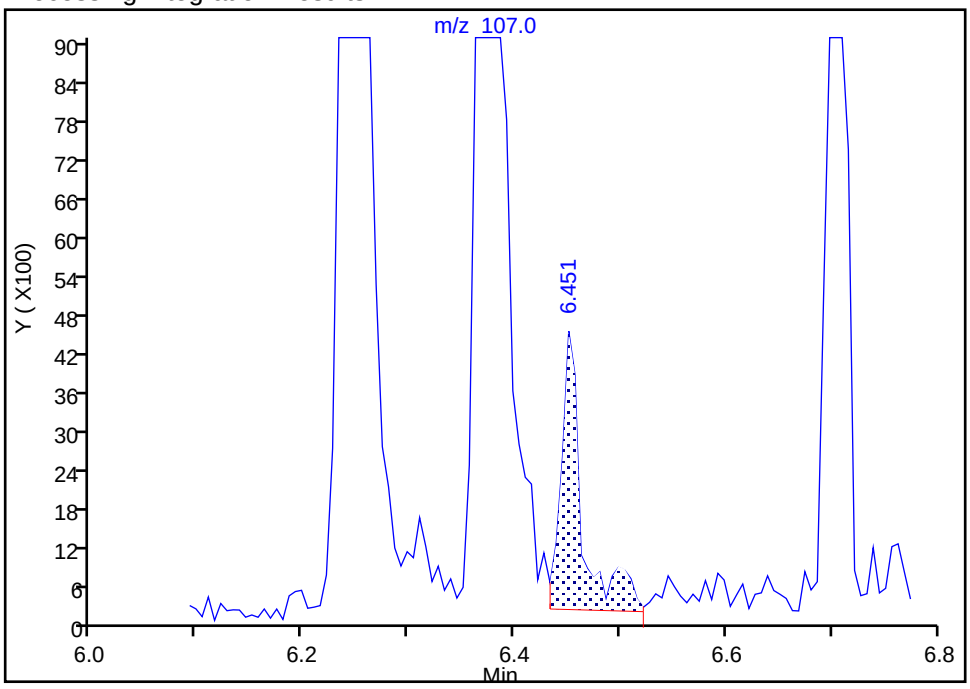
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

66 4-Chloro-3-methylphenol, CAS: 59-50-7

Signal: 1

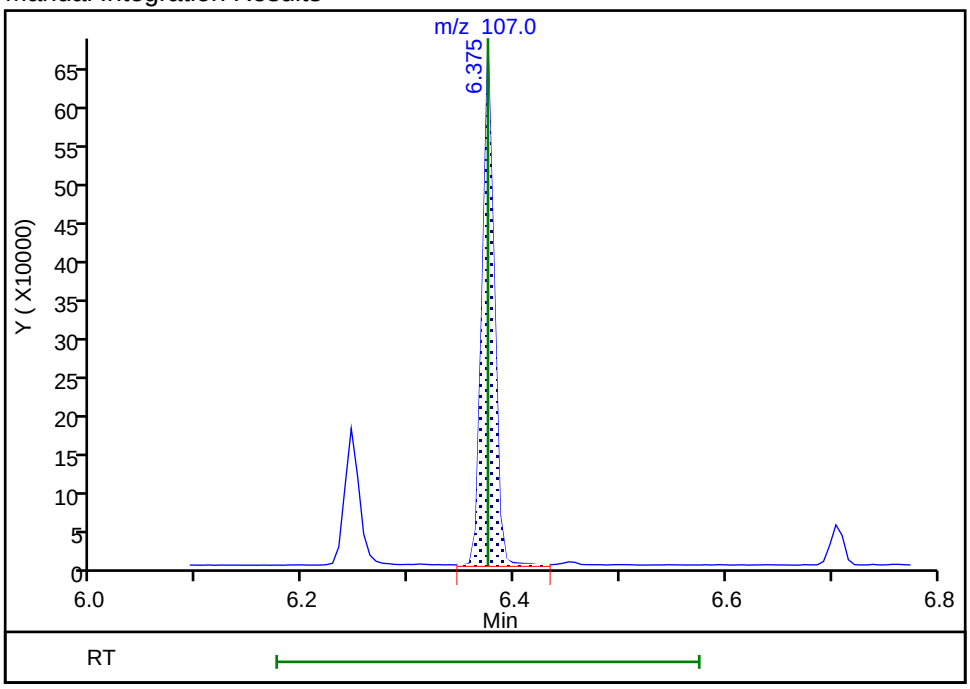
Processing Integration Results

RT: 6.45
Area: 5918
Amount: 0.331623
Amount Units: ug/ml



Manual Integration Results

RT: 6.37
Area: 540262
Amount: 13.724050
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:48:29 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

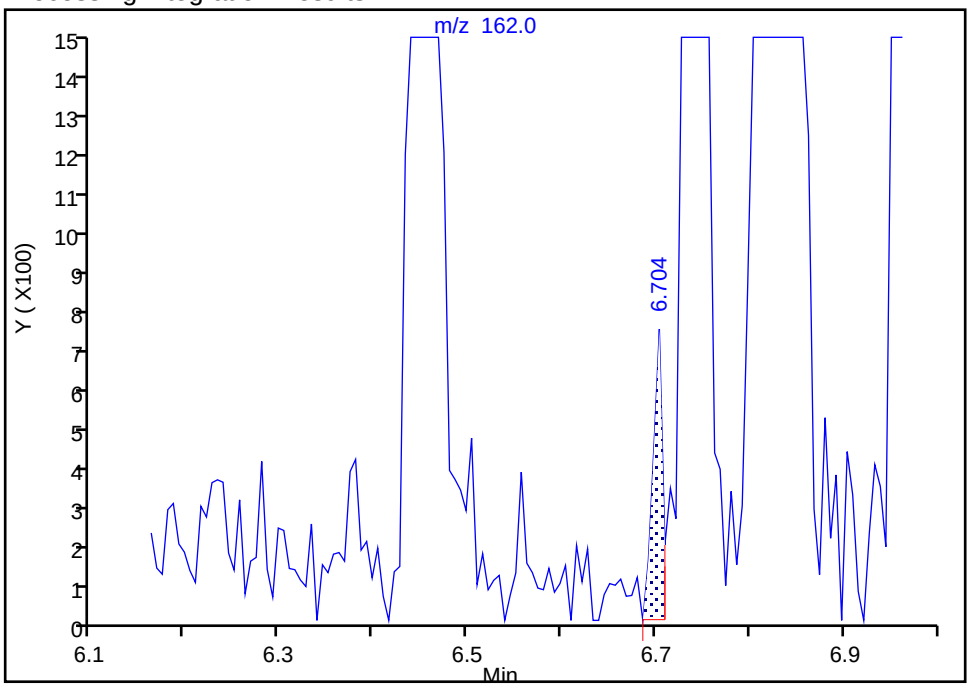
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

67 Safrole, Total, CAS: 94-59-7

Signal: 1

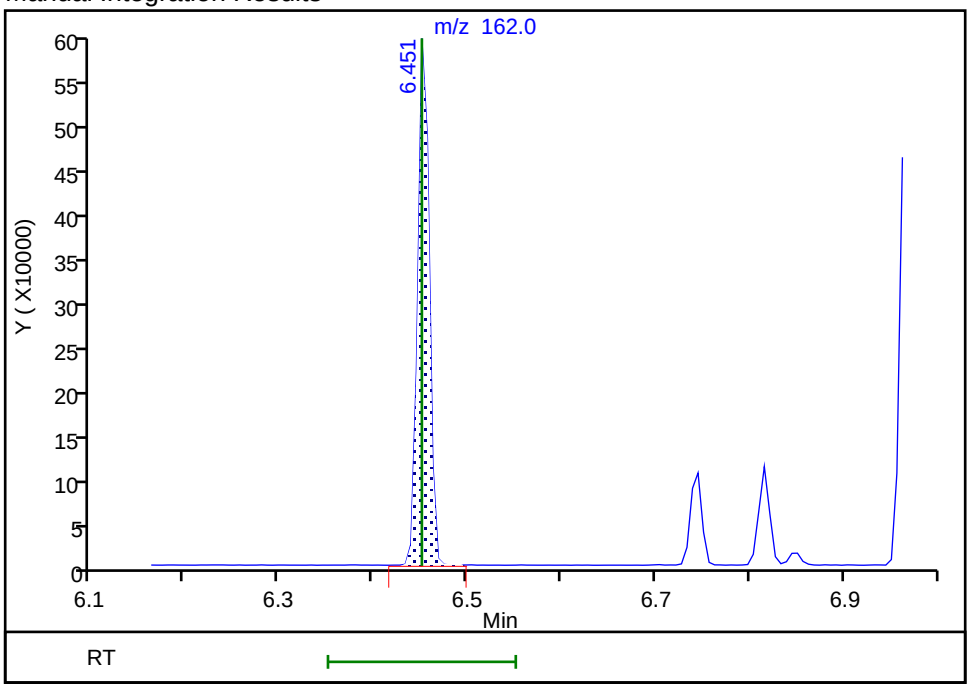
Processing Integration Results

RT: 6.70
Area: 484
Amount: 0.143562
Amount Units: ug/ml



Manual Integration Results

RT: 6.45
Area: 509464
Amount: 13.145900
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:48:36 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

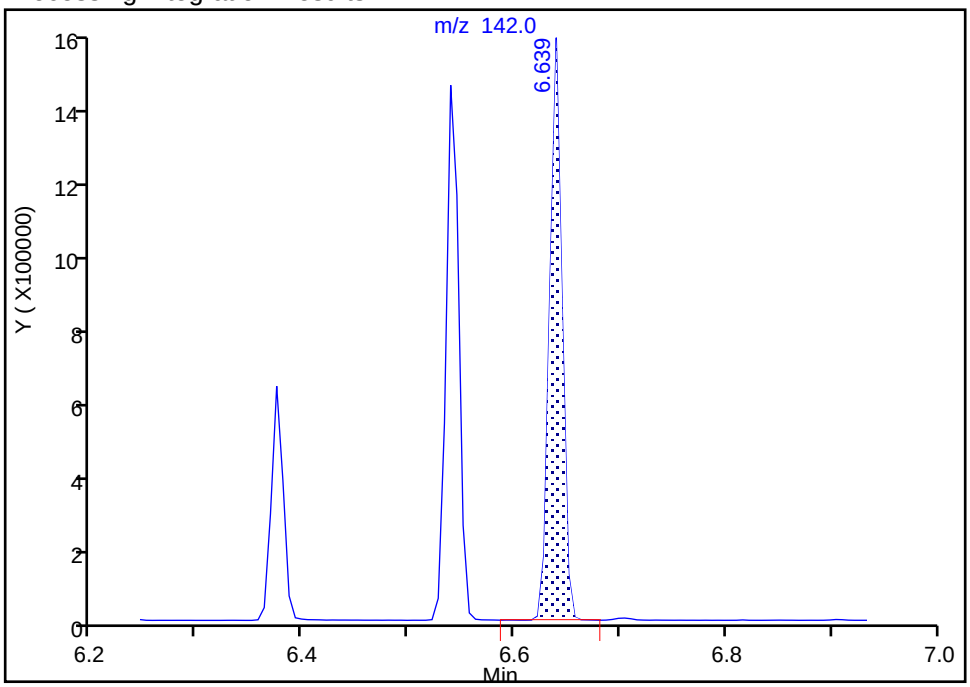
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

68 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

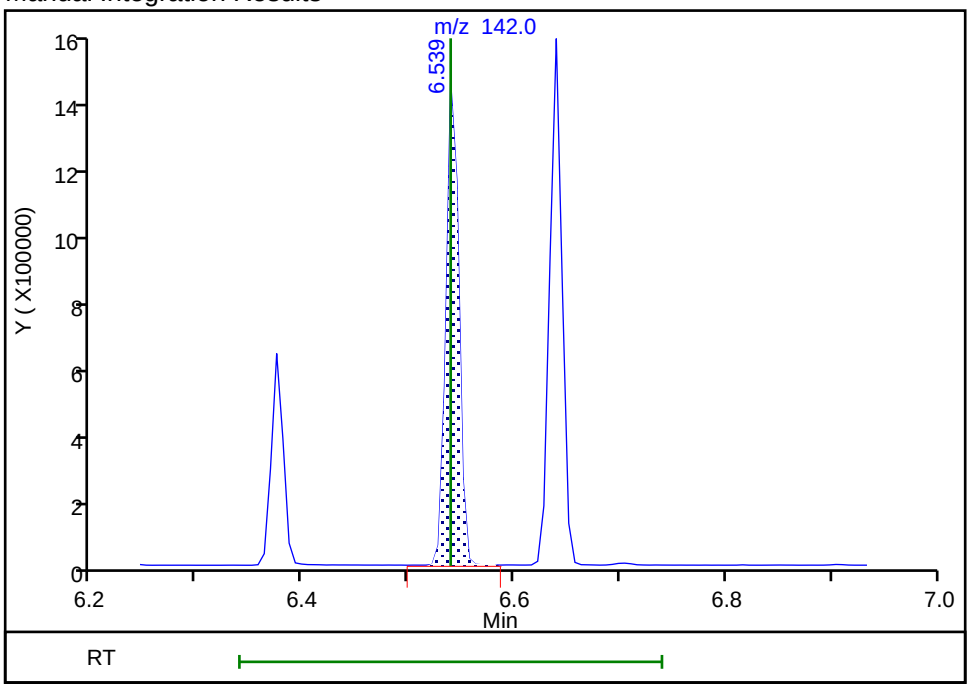
Processing Integration Results

RT: 6.64
Area: 1257042
Amount: 7.232078
Amount Units: ug/ml



Manual Integration Results

RT: 6.54
Area: 1199746
Amount: 13.328433
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:48:32 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

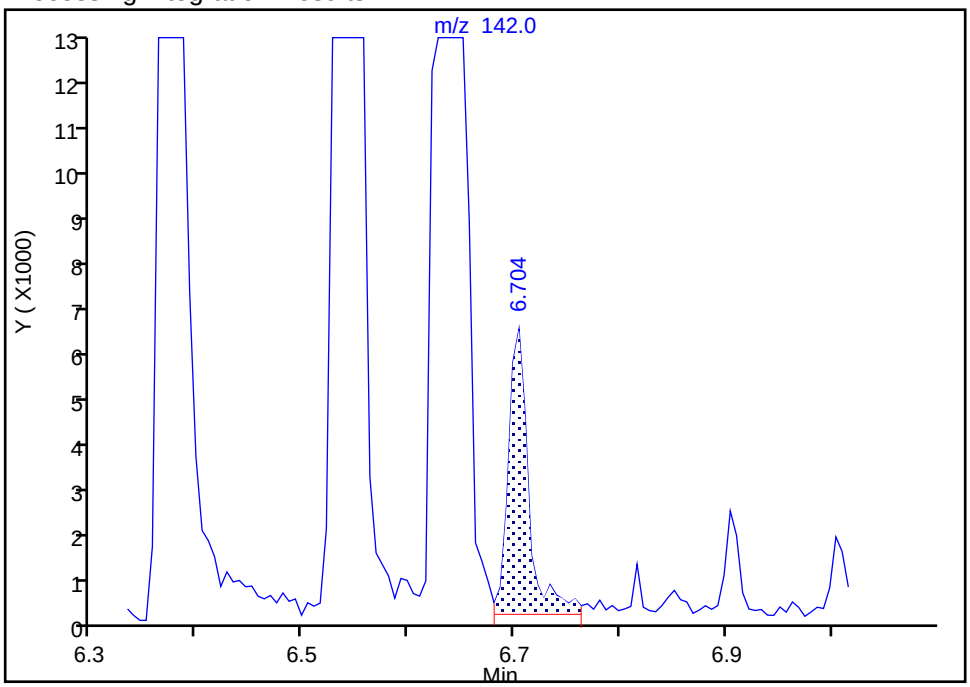
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

69 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

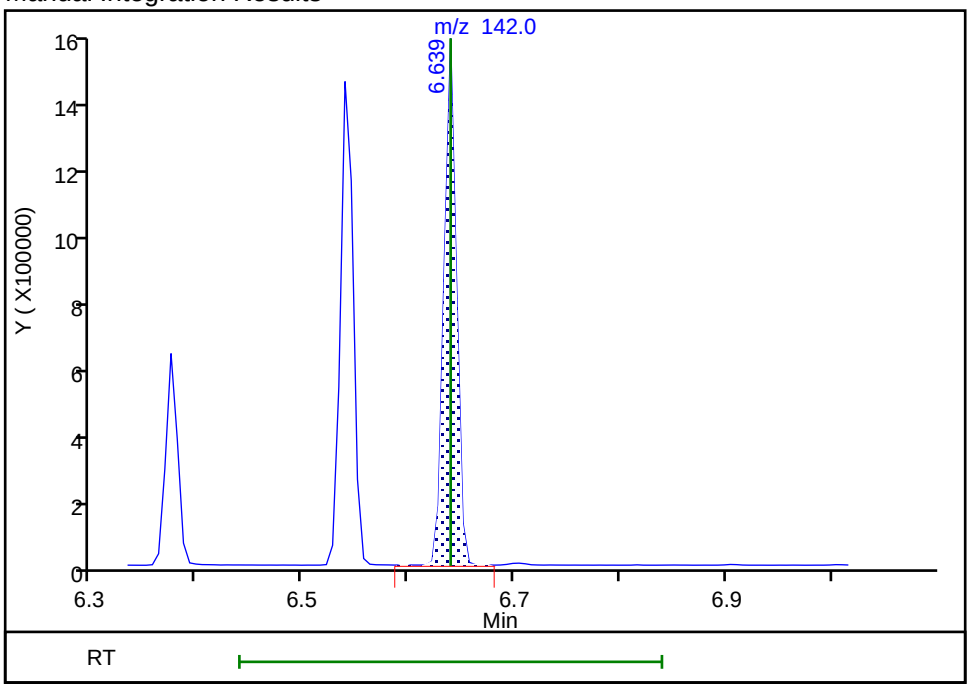
Processing Integration Results

RT: 6.70
Area: 8002
Amount: 0.353870
Amount Units: ug/ml



Manual Integration Results

RT: 6.64
Area: 1257042
Amount: 13.300626
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:48:40 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

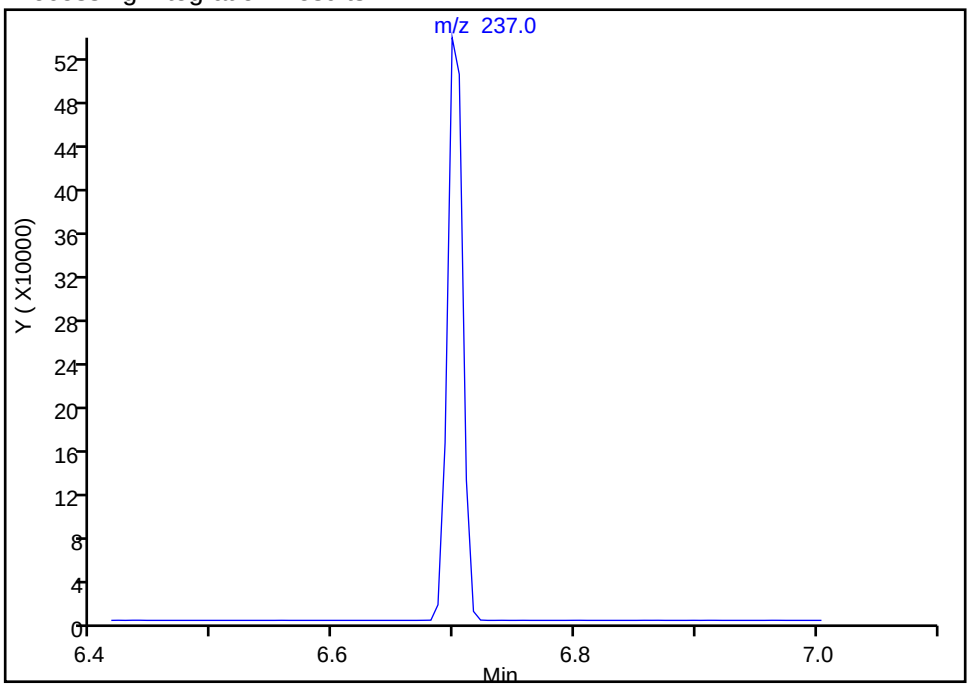
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D
Injection Date: 01-May-2025 09:34:30 Instrument ID: HP18831
Lims ID: ICIS L6
Client ID:
Operator ID: CJS101602 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

71 Hexachlorocyclopentadiene, CAS: 77-47-4

Signal: 1

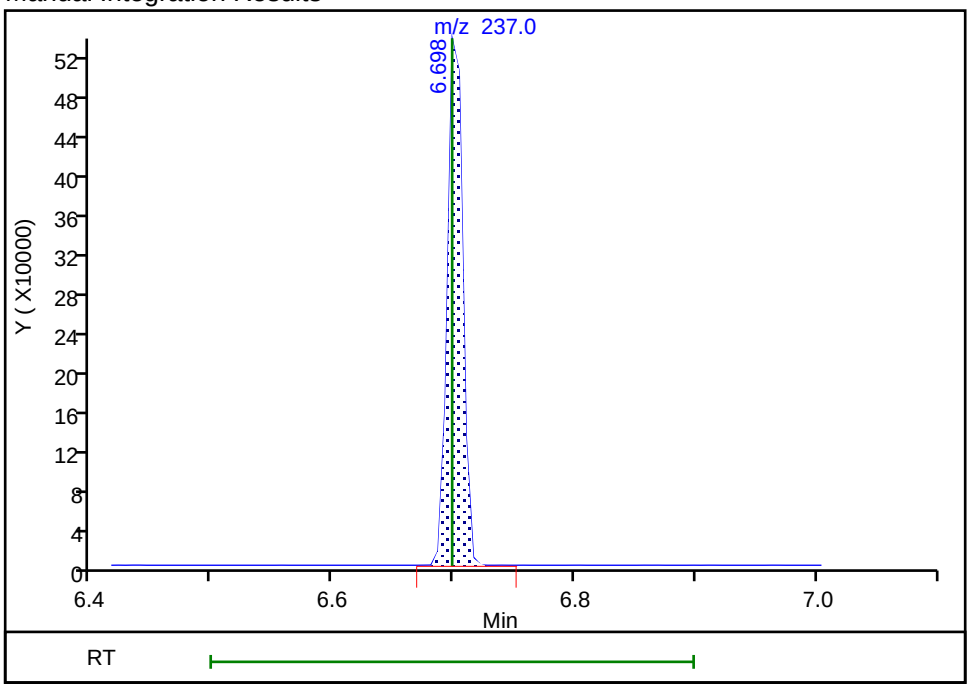
Not Detected
Expected RT: 6.70

Processing Integration Results



Manual Integration Results

RT: 6.70
Area: 480862
Amount: 13.073013
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:48:58 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

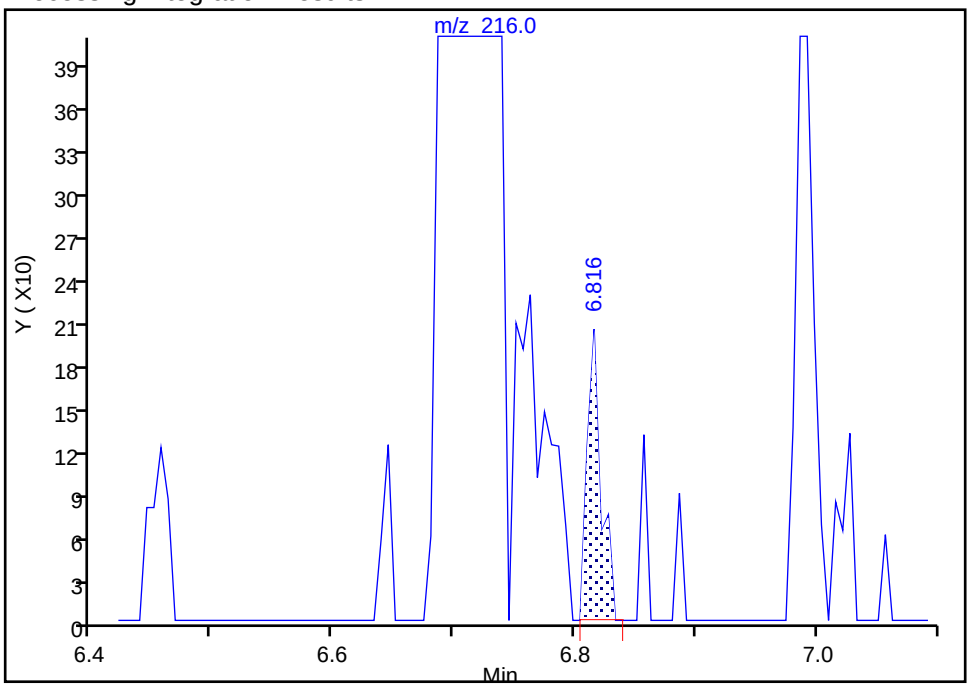
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

72 1,2,4,5-Tetrachlorobenzene, CAS: 95-94-3

Signal: 1

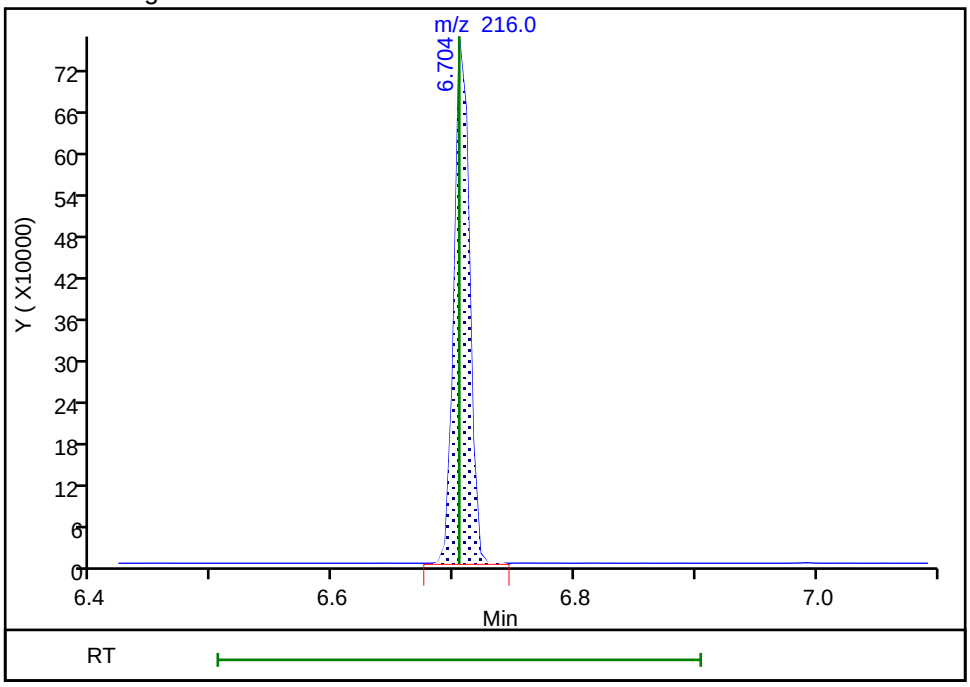
Processing Integration Results

RT: 6.82
Area: 163
Amount: 0.003584
Amount Units: ug/ml



Manual Integration Results

RT: 6.70
Area: 670860
Amount: 12.855939
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:48:46 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

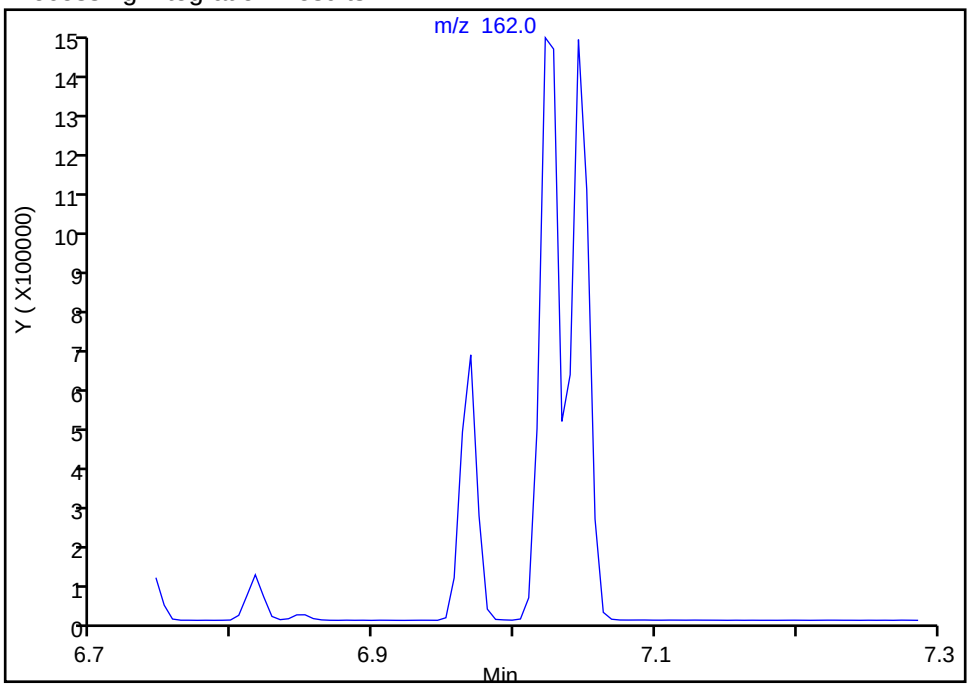
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

79 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

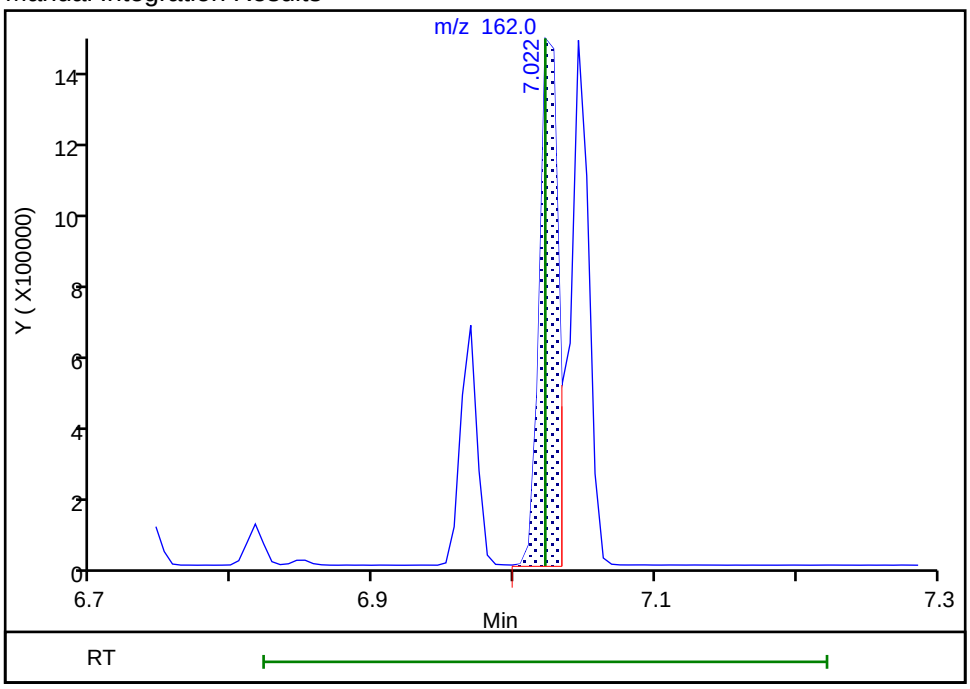
Not Detected
Expected RT: 7.02

Processing Integration Results



Manual Integration Results

RT: 7.02
Area: 1264822
Amount: 12.177474
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:49:02 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

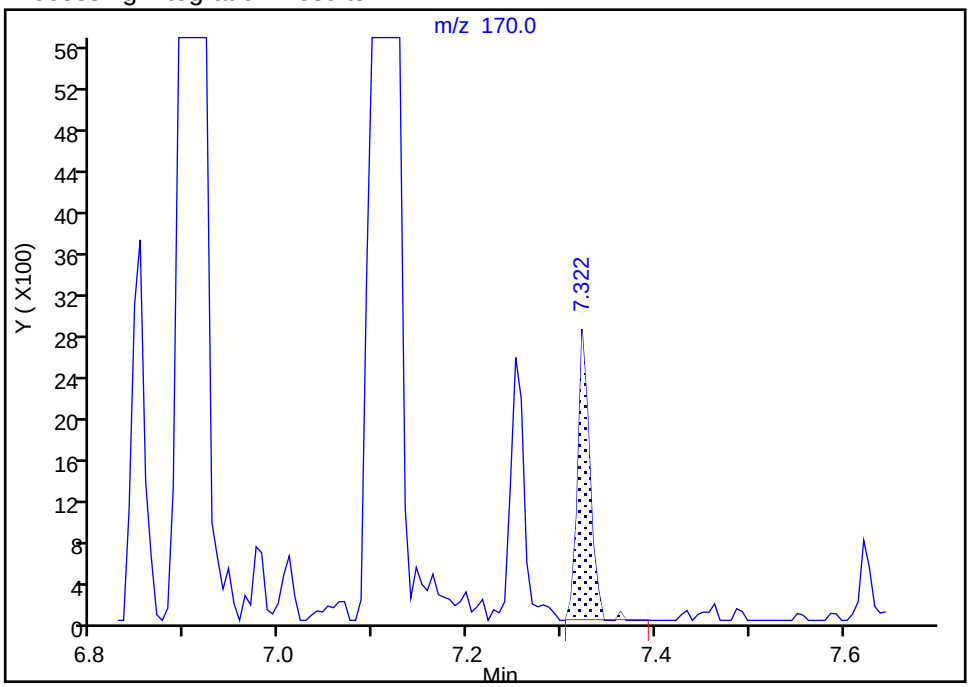
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

81 Phenyl ether, CAS: 101-84-8

Signal: 1

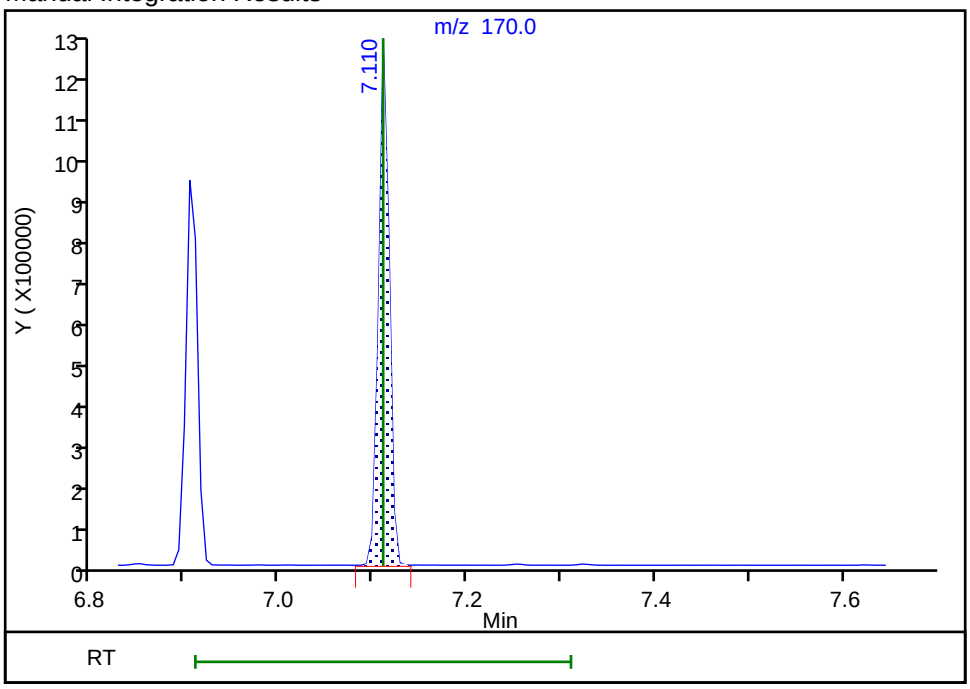
Processing Integration Results

RT: 7.32
Area: 2545
Amount: 12.611790
Amount Units: ug/ml



Manual Integration Results

RT: 7.11
Area: 976323
Amount: 12.708451
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:49:08 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

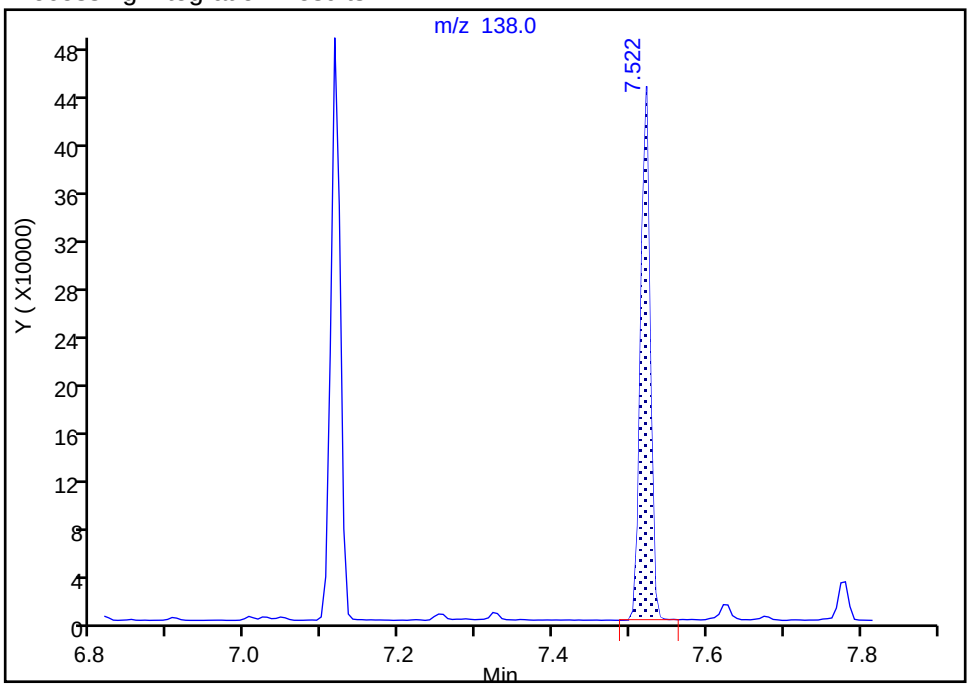
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

82 2-Nitroaniline, CAS: 88-74-4

Signal: 1

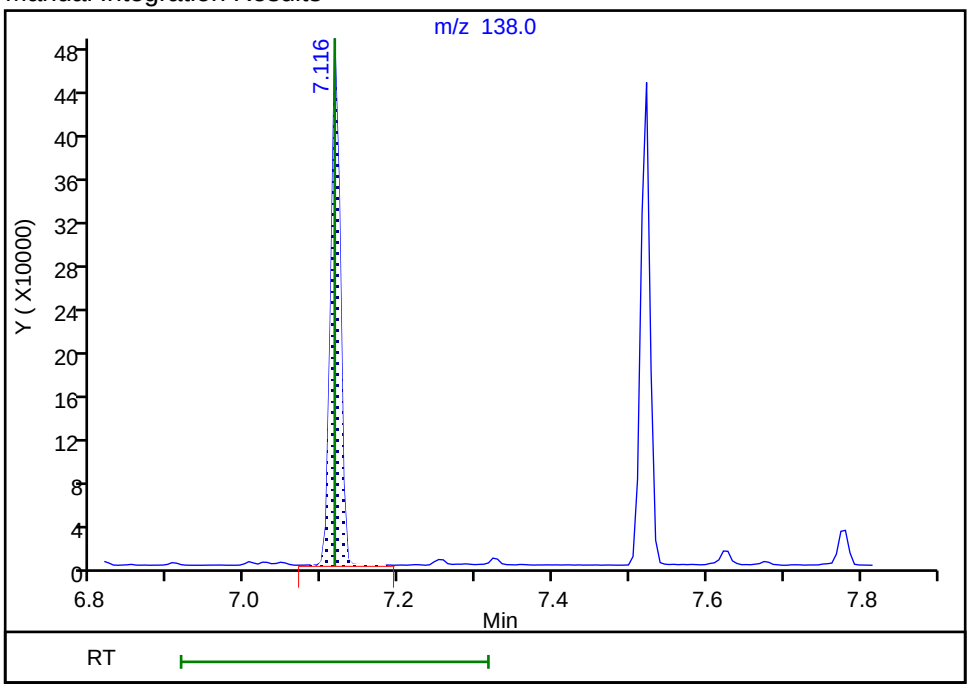
Processing Integration Results

RT: 7.52
Area: 372290
Amount: 13.944190
Amount Units: ug/ml



Manual Integration Results

RT: 7.12
Area: 413258
Amount: 13.805162
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:58:52 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

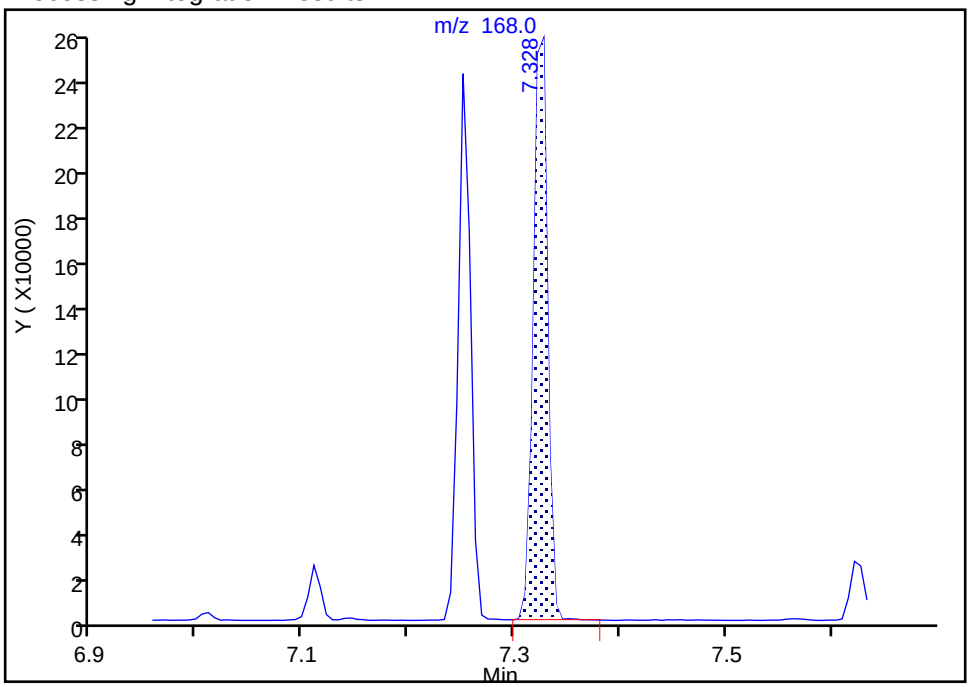
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1,4-Dinitrobenzene, CAS: 100-25-4

Signal: 1

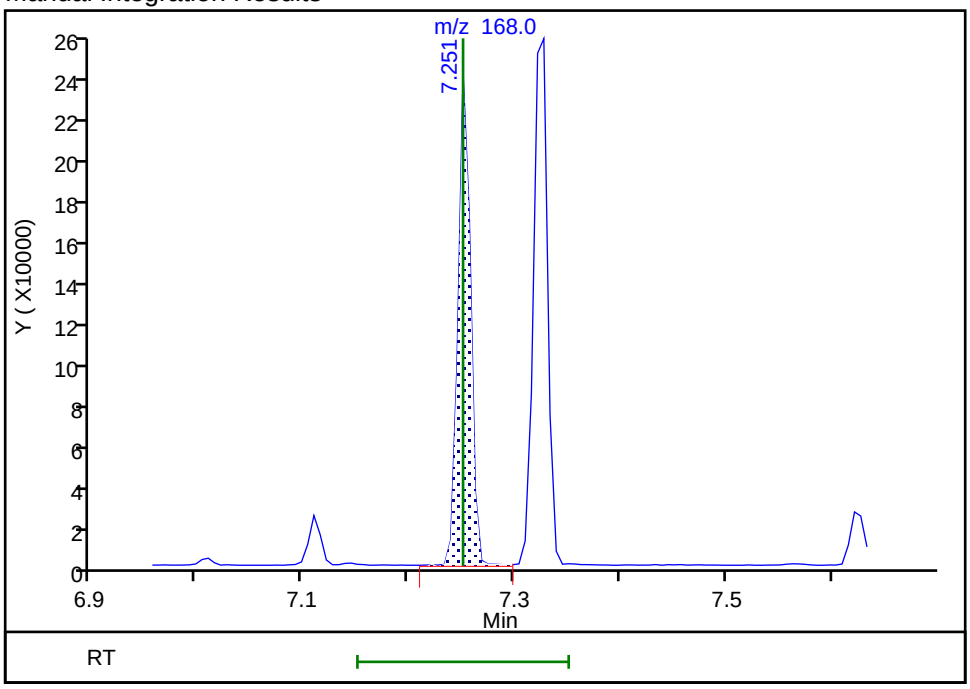
Processing Integration Results

RT: 7.33
Area: 236587
Amount: 13.119726
Amount Units: ug/ml



Manual Integration Results

RT: 7.25
Area: 193337
Amount: 13.652271
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:58:12 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

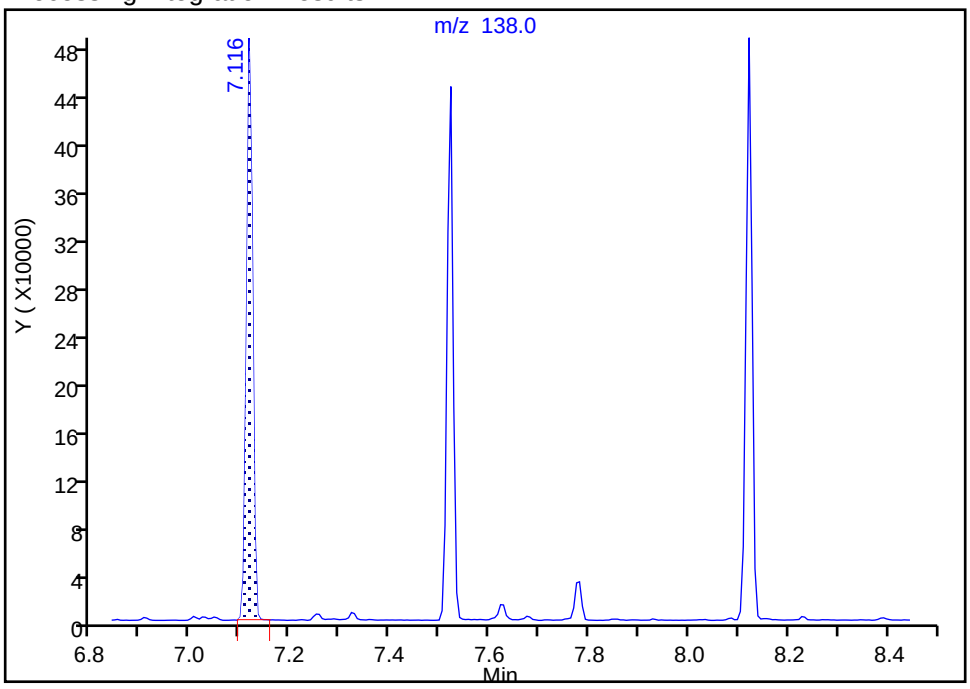
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

109 4-Nitroaniline, CAS: 100-01-6

Signal: 1

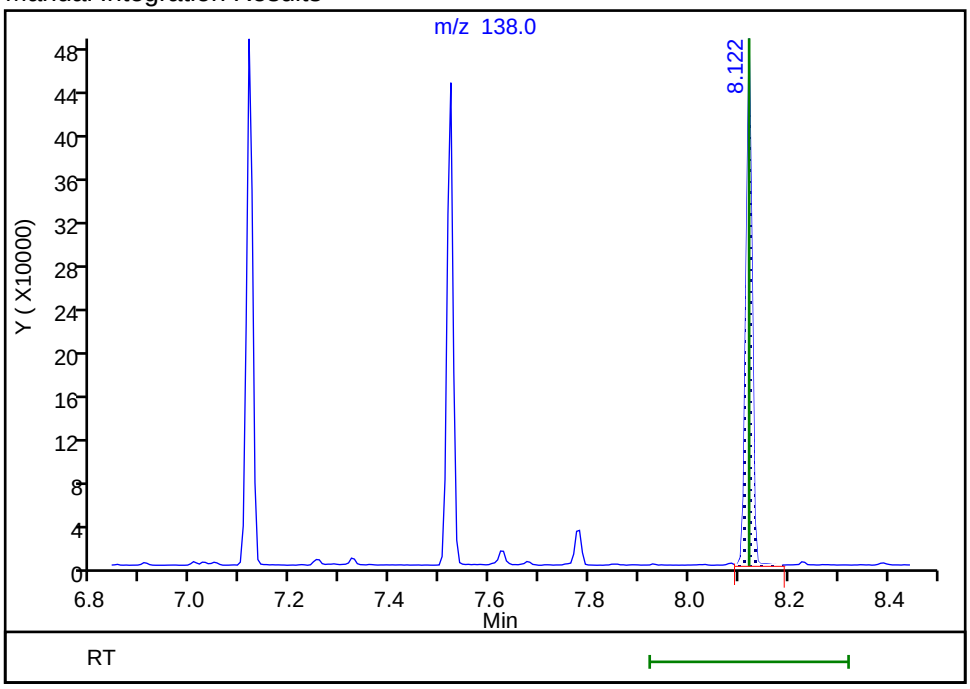
Processing Integration Results

RT: 7.12
Area: 412126
Amount: 61.627367
Amount Units: ug/ml



Manual Integration Results

RT: 8.12
Area: 409851
Amount: 13.785592
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:59:24 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

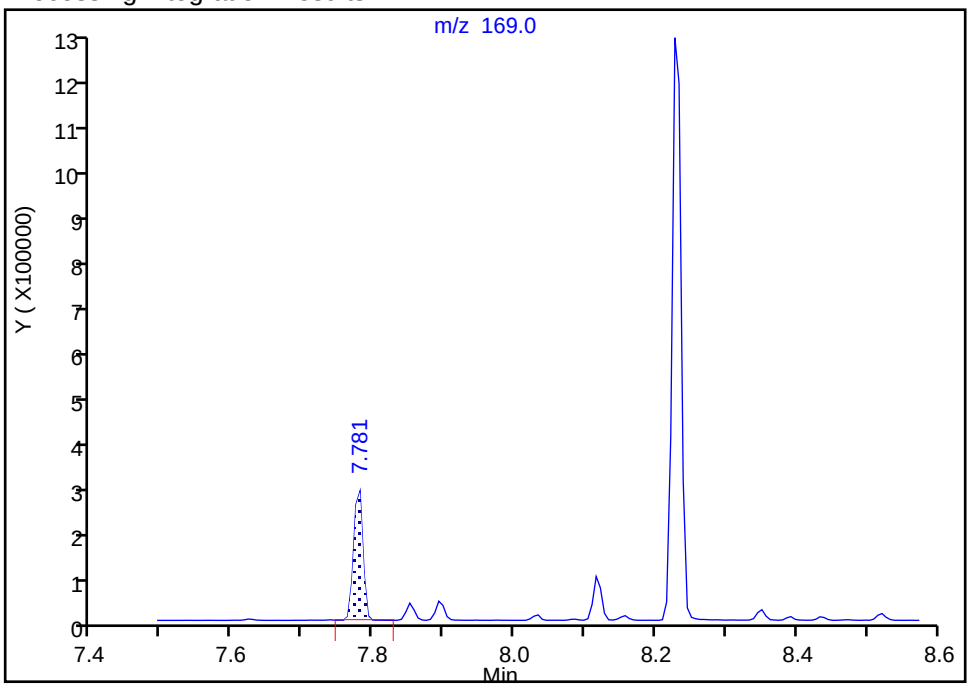
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

111 N-Nitrosodiphenylamine, CAS: 86-30-6

Signal: 1

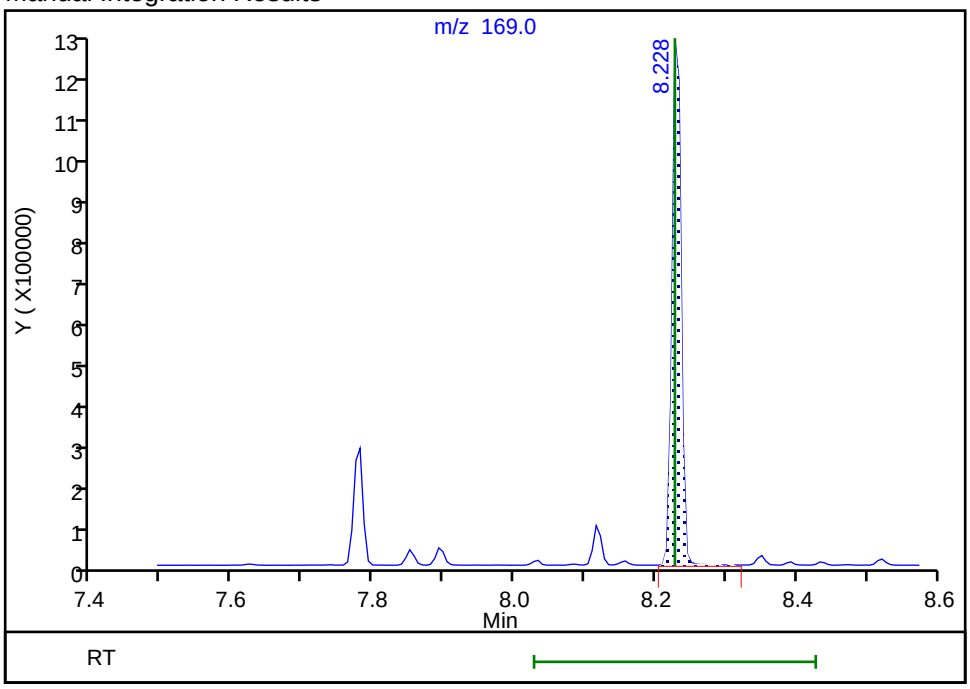
Processing Integration Results

RT: 7.78
Area: 249137
Amount: 0.069347
Amount Units: ug/ml



Manual Integration Results

RT: 8.23
Area: 1093166
Amount: 11.789397
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 14:06:08 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

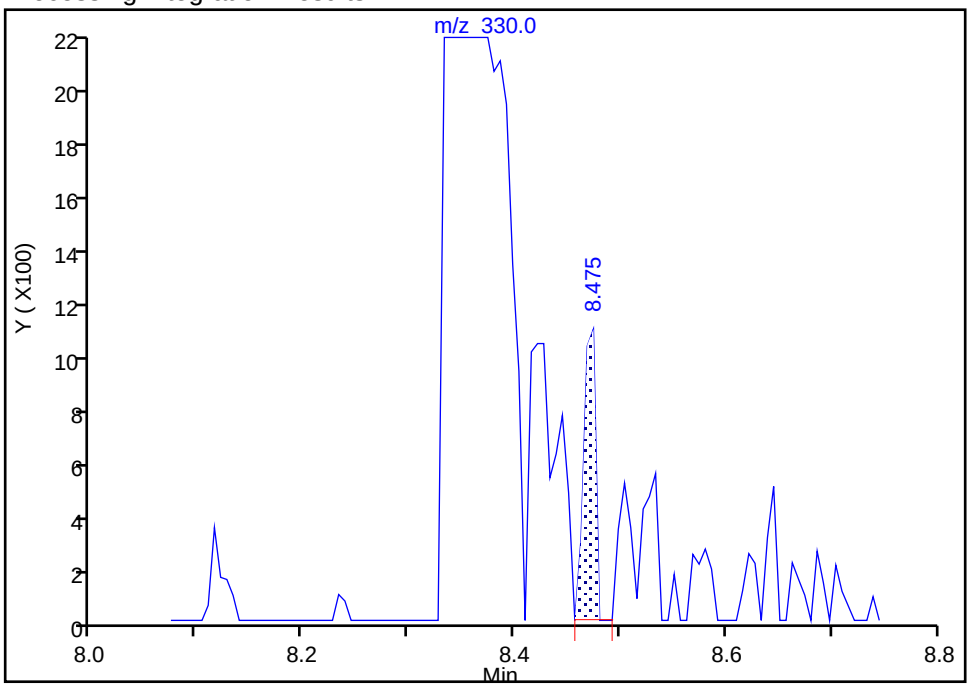
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

$ 113 2,4,6-Tribromophenol, CAS: 118-79-6

Signal: 1

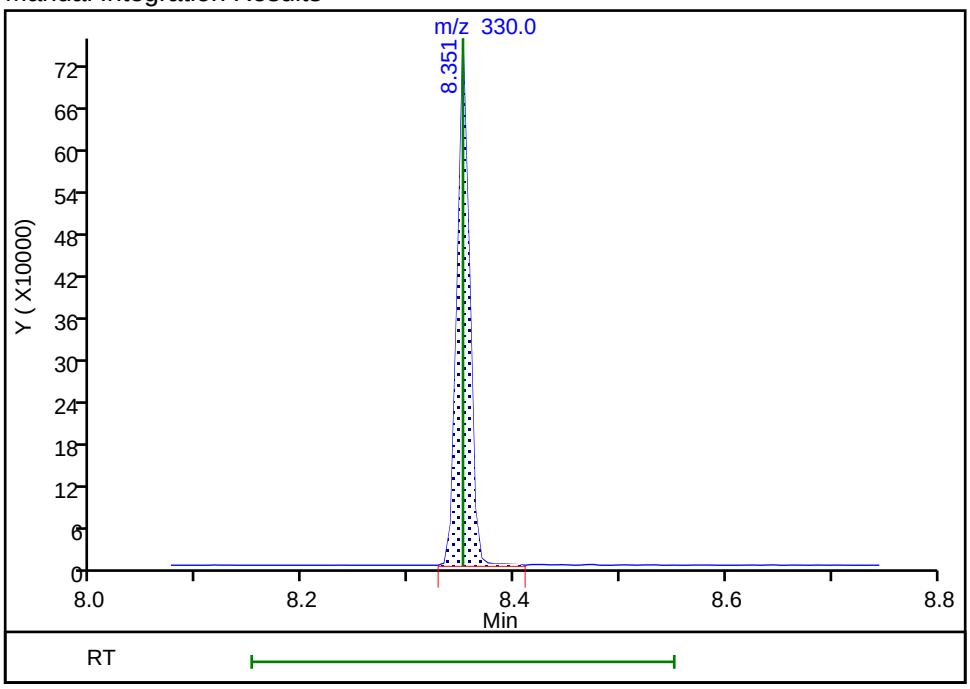
Processing Integration Results

RT: 8.47
Area: 850
Amount: 0.132789
Amount Units: ug/ml



Manual Integration Results

RT: 8.35
Area: 608562
Amount: 26.581063
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:46:02 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

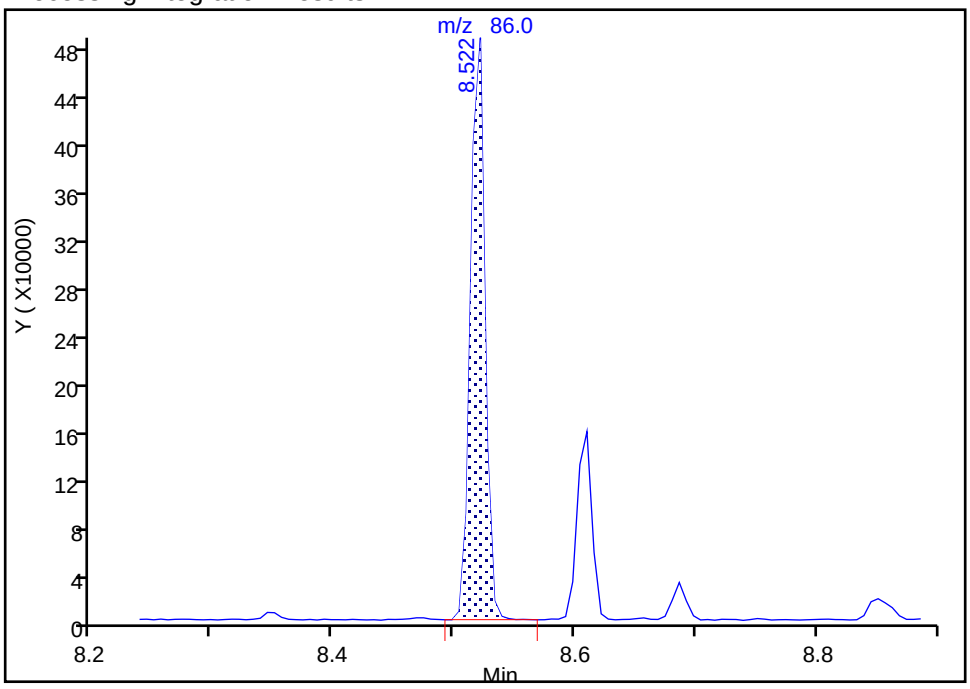
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

119 trans-Diallate, CAS: 17708-58-6

Signal: 1

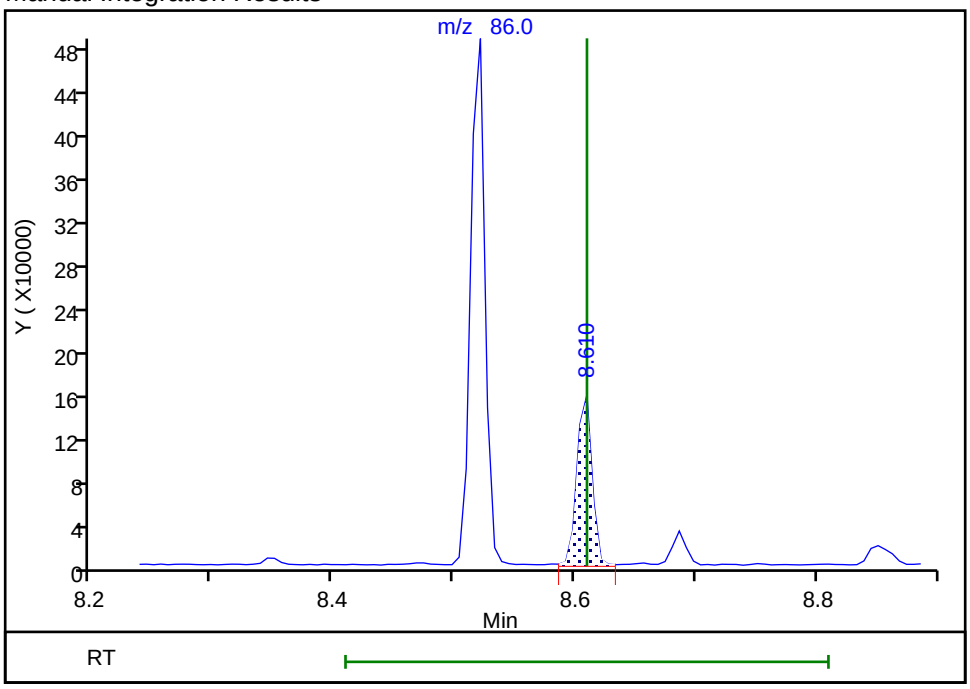
Processing Integration Results

RT: 8.52
Area: 400747
Amount: 0.015286
Amount Units: ug/ml



Manual Integration Results

RT: 8.61
Area: 134773
Amount: 3.317660
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:50:46 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

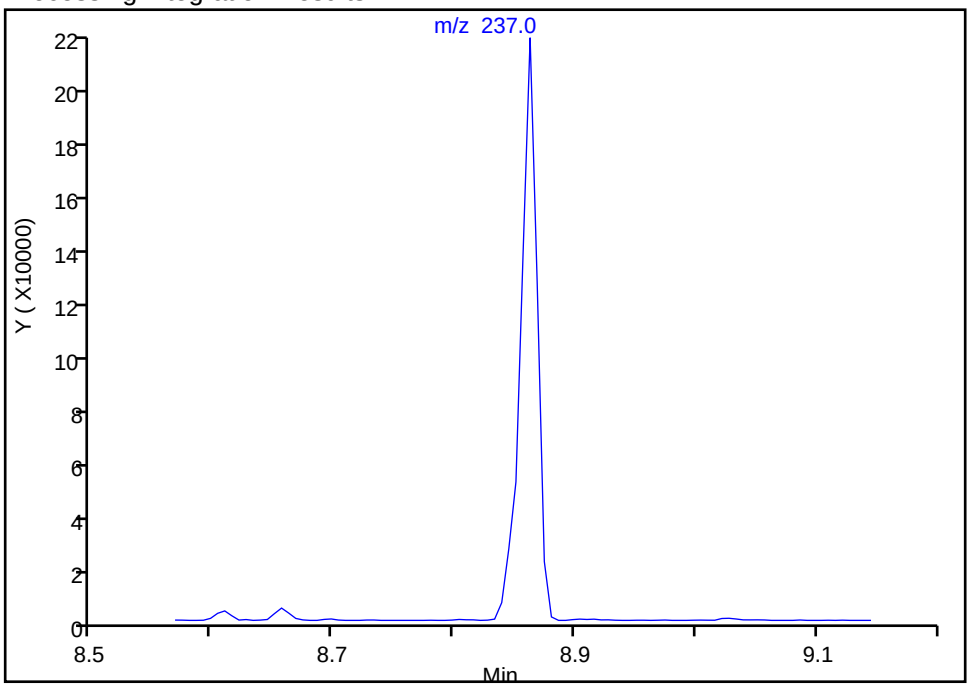
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D
Injection Date: 01-May-2025 09:34:30 Instrument ID: HP18831
Lims ID: ICIS L6
Client ID:
Operator ID: CJS101602 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

124 Pentachloronitrobenzene, CAS: 82-68-8

Signal: 1

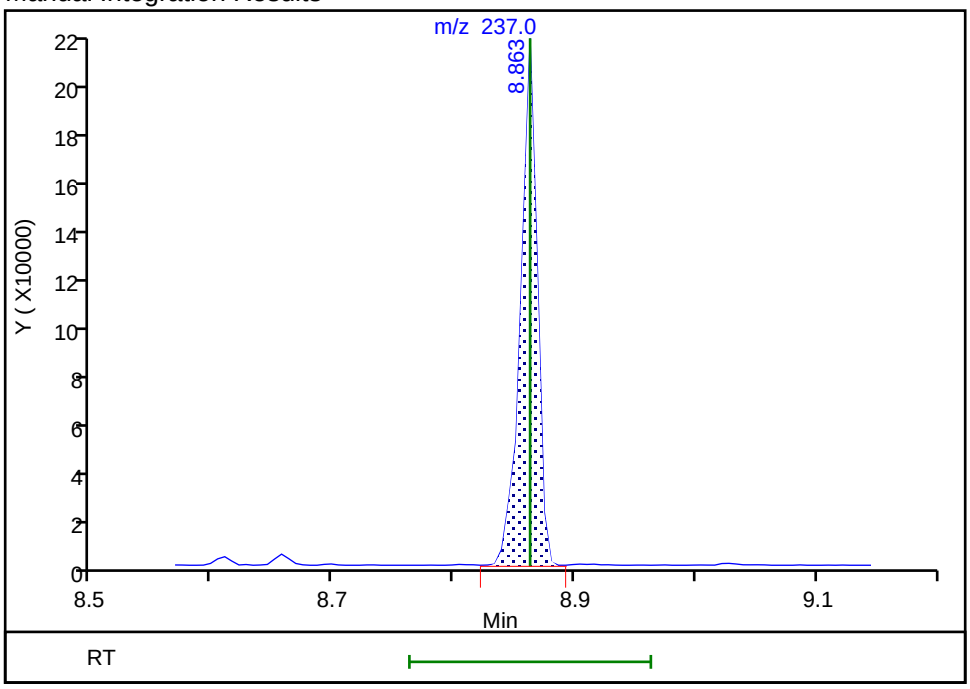
Not Detected
Expected RT: 8.86

Processing Integration Results



RT: 8.86
Area: 202952
Amount: 13.900011
Amount Units: ug/ml

Manual Integration Results



Reviewer: W6ZA, 01-May-2025 13:51:12 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

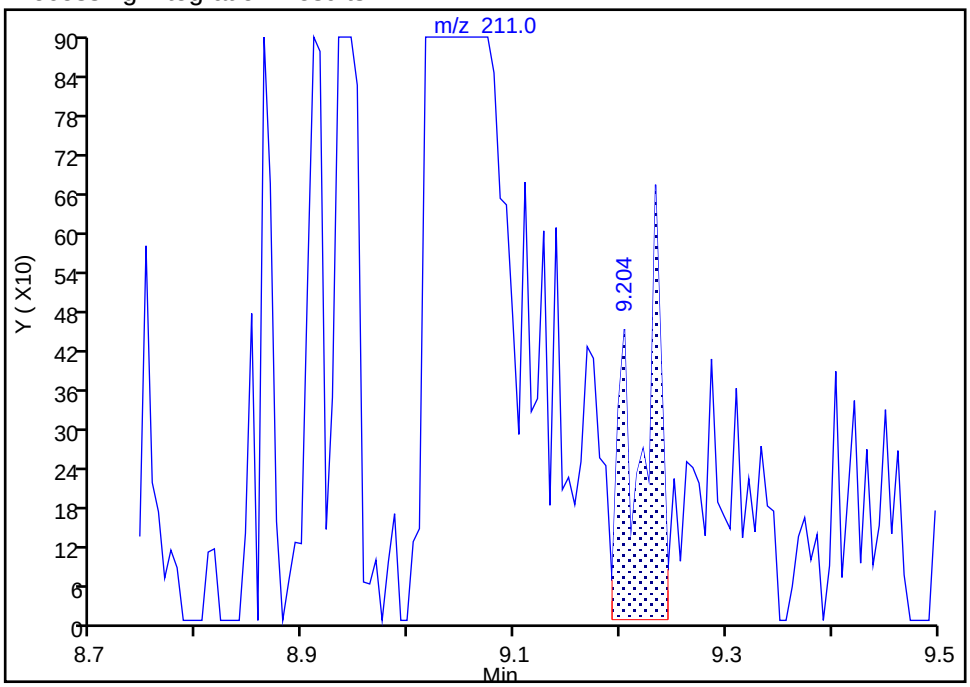
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

128 Dinoseb, CAS: 88-85-7

Signal: 1

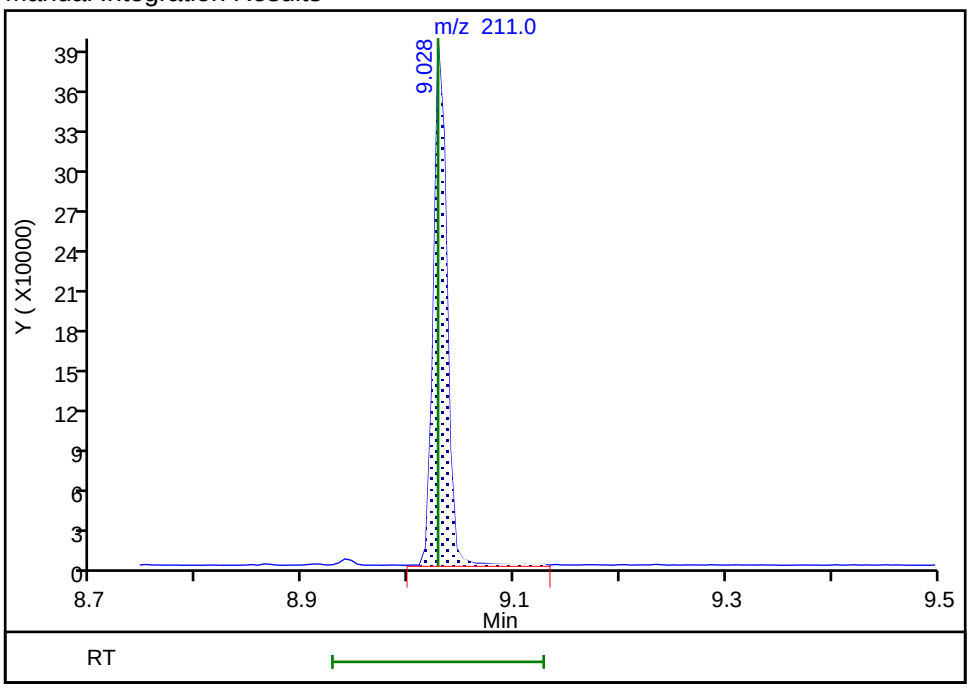
Processing Integration Results

RT: 9.20
Area: 956
Amount: 0.037604
Amount Units: ug/ml



Manual Integration Results

RT: 9.03
Area: 348002
Amount: 12.517585
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:51:22 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

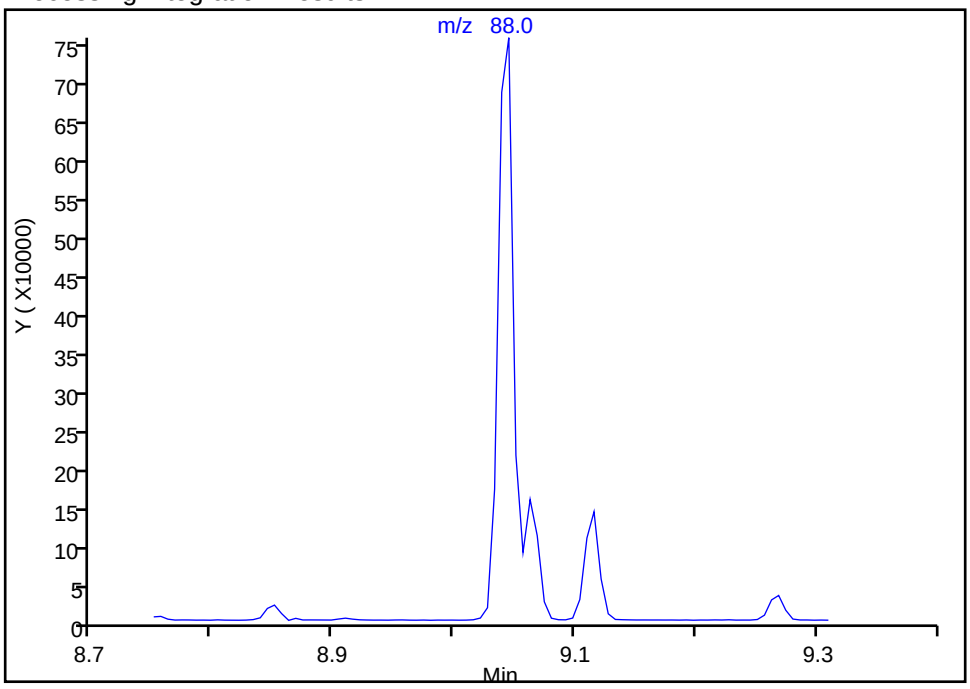
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

70 Disulfoton, CAS: 298-04-4

Signal: 1

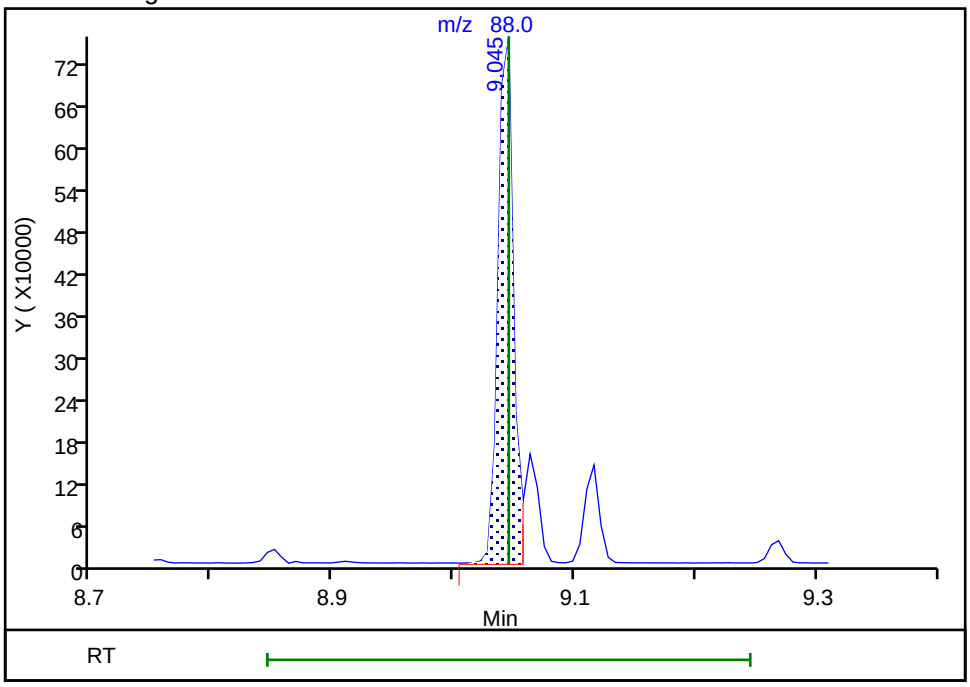
Not Detected
Expected RT: 9.05

Processing Integration Results



Manual Integration Results

RT: 9.05
Area: 670172
Amount: 11.891634
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:13:37 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

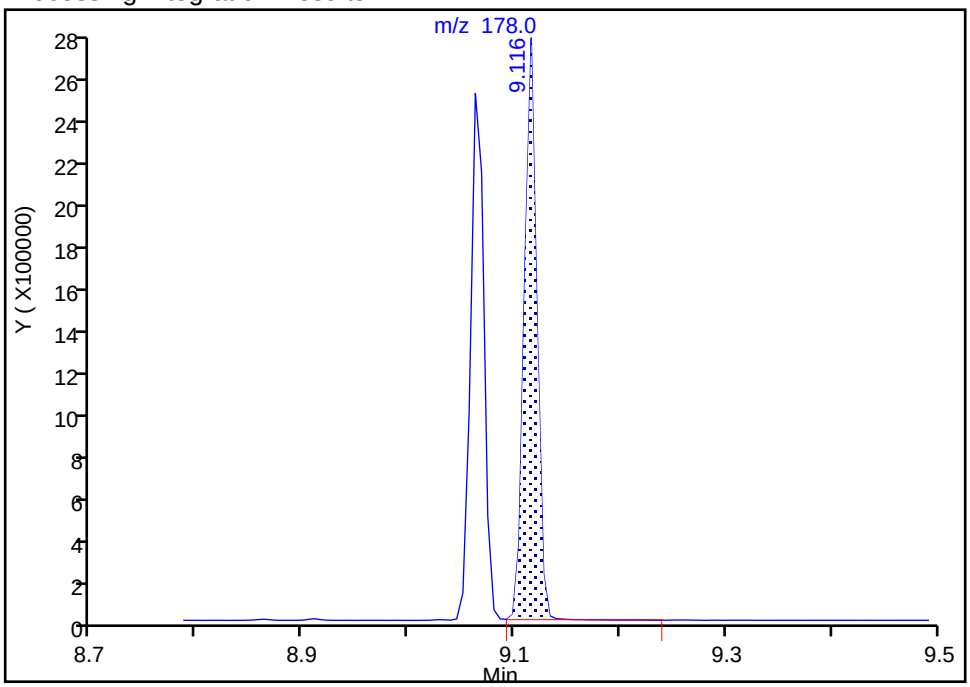
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

129 Phenanthrene, CAS: 85-01-8

Signal: 1

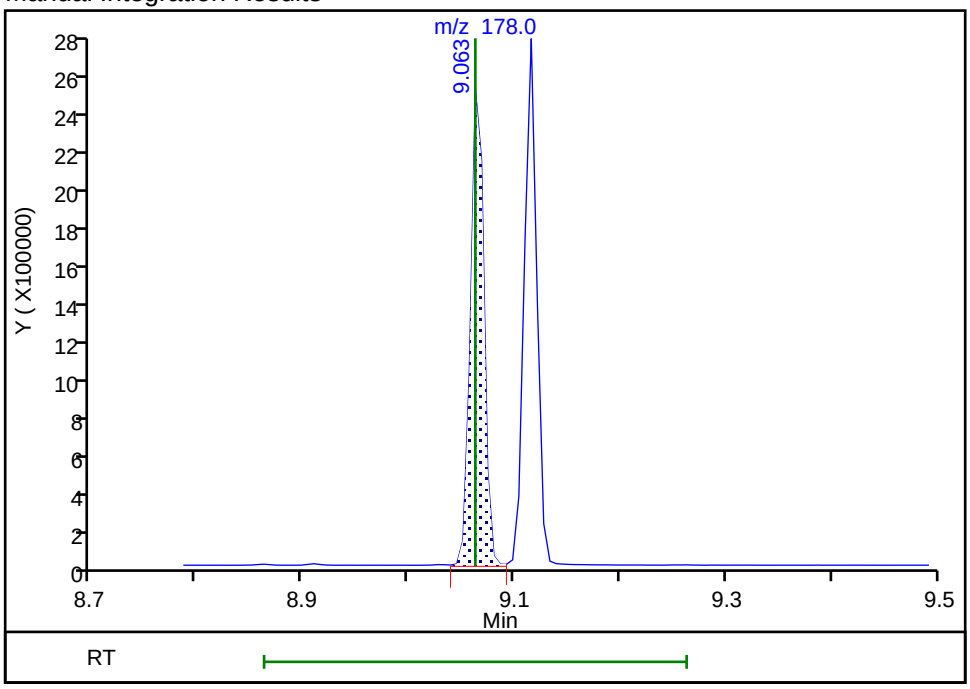
Processing Integration Results

RT: 9.12
Area: 2304898
Amount: 0.016116
Amount Units: ug/ml



Manual Integration Results

RT: 9.06
Area: 2232882
Amount: 13.193761
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:51:08 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

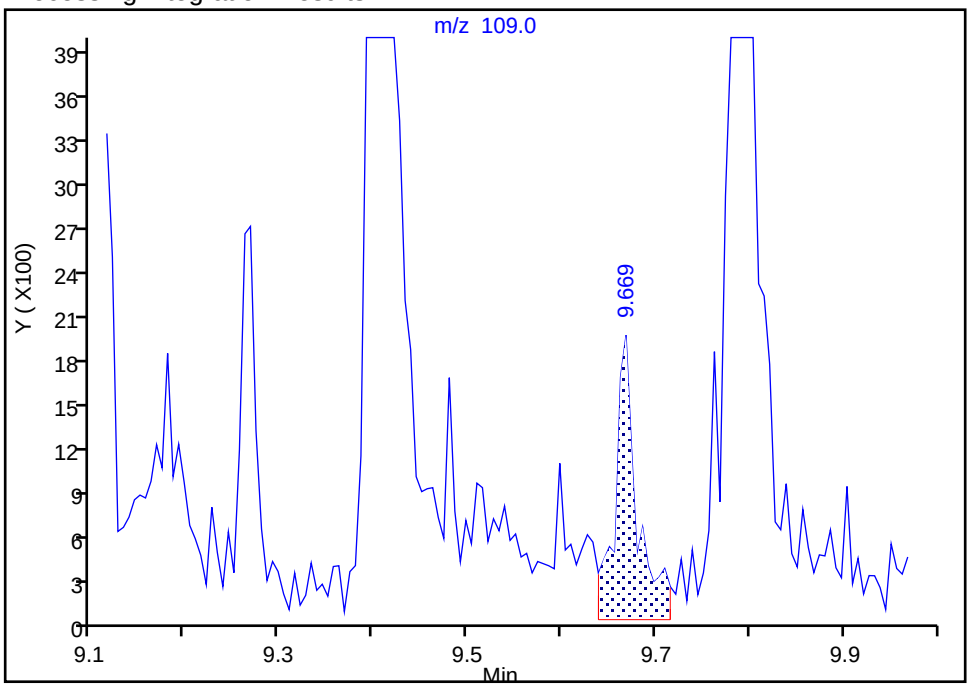
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

132 Methyl parathion, CAS: 298-00-0

Signal: 1

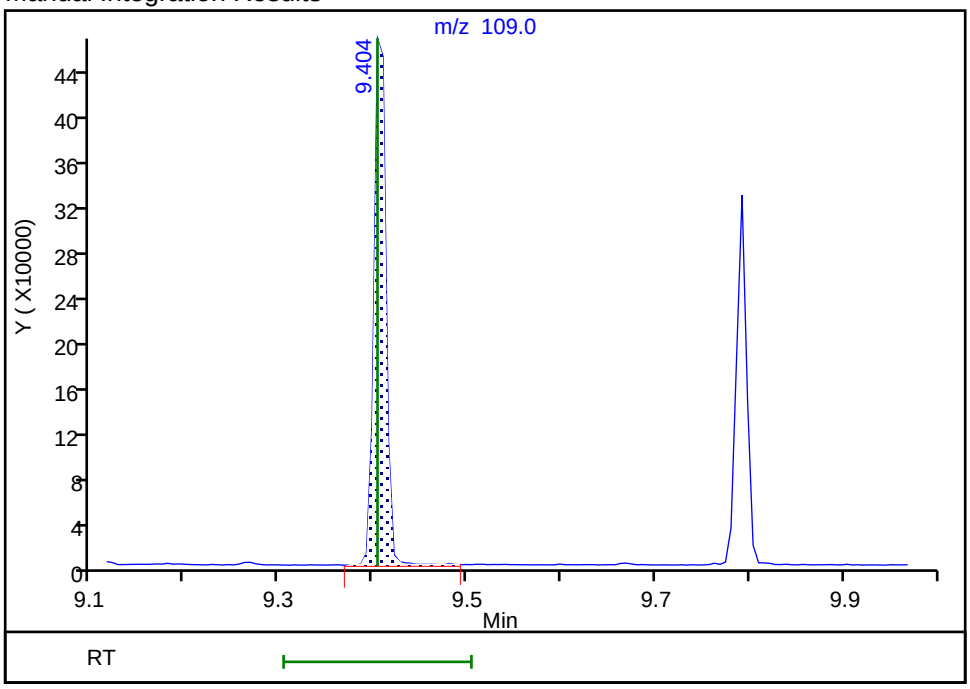
Processing Integration Results

RT: 9.67
Area: 3001
Amount: 0.023523
Amount Units: ug/ml



Manual Integration Results

RT: 9.40
Area: 421931
Amount: 14.568667
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:51:26 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

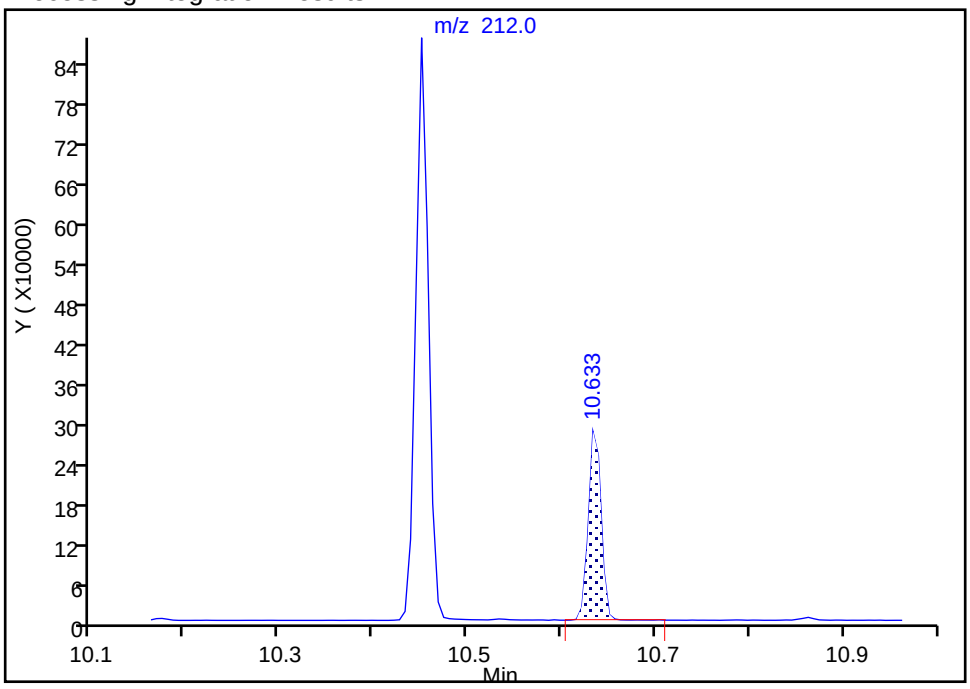
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 140 Pyrene-d10 (IS), CAS: 1718-52-1

Signal: 1

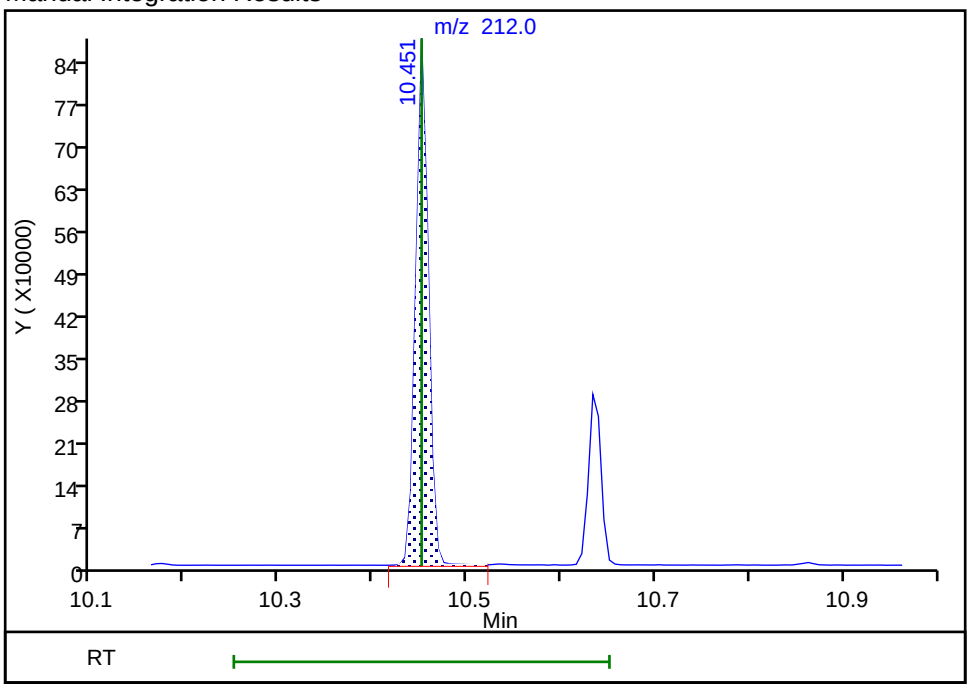
Processing Integration Results

RT: 10.63
Area: 268967
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 10.45
Area: 820477
Amount: 5.000000
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:45:38 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

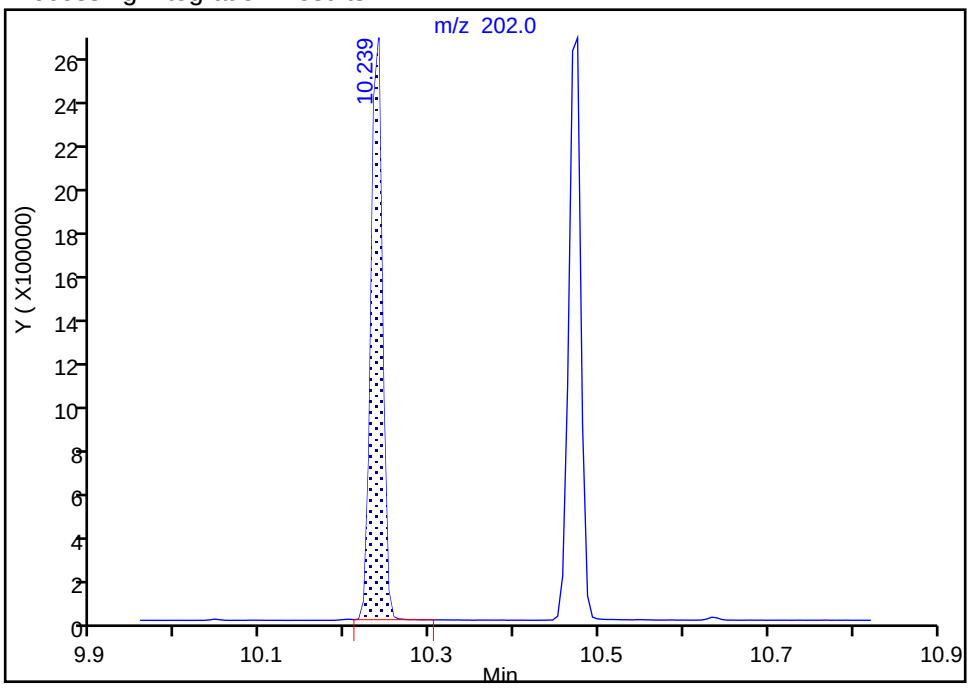
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

141 Pyrene, CAS: 129-00-0

Signal: 1

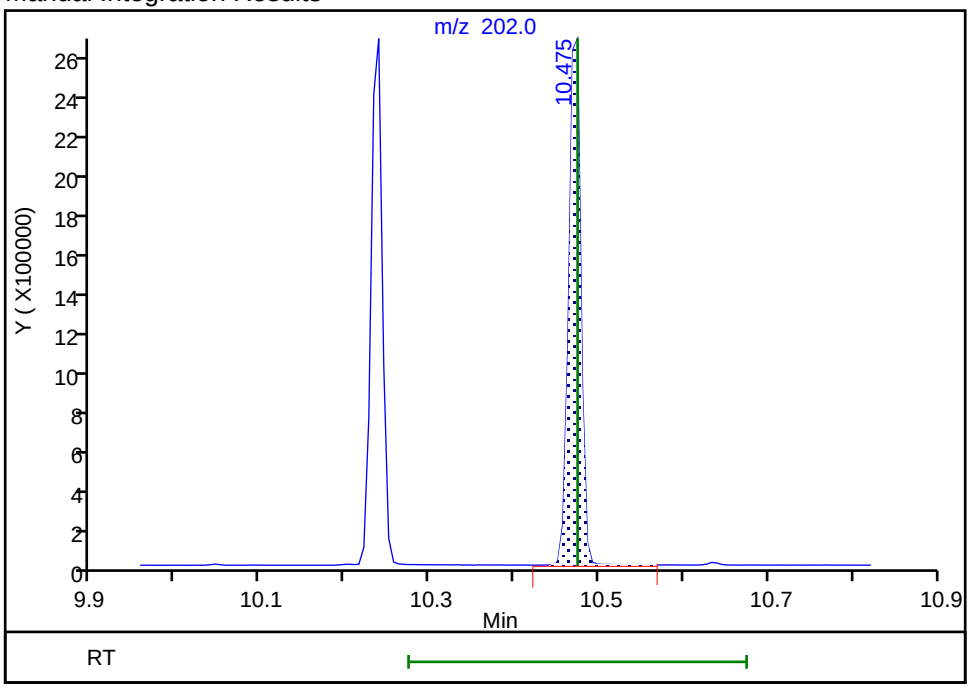
Processing Integration Results

RT: 10.24
Area: 2448514
Amount: 47.965576
Amount Units: ug/ml



Manual Integration Results

RT: 10.47
Area: 2635969
Amount: 12.988550
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:52:27 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

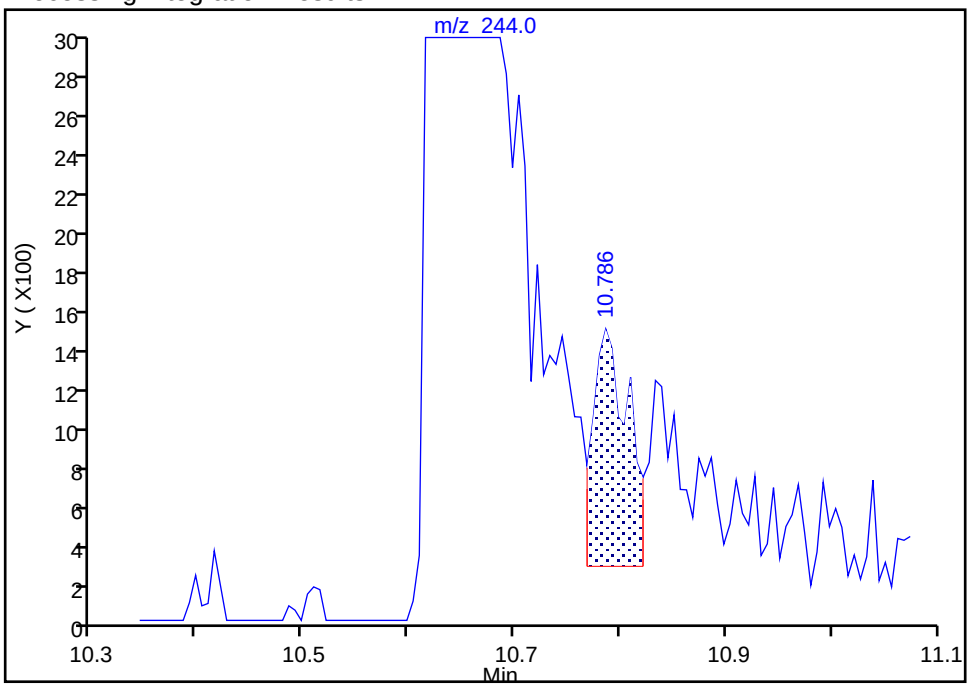
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

$ 142 p-Terphenyl-d14, CAS: 1718-51-0

Signal: 1

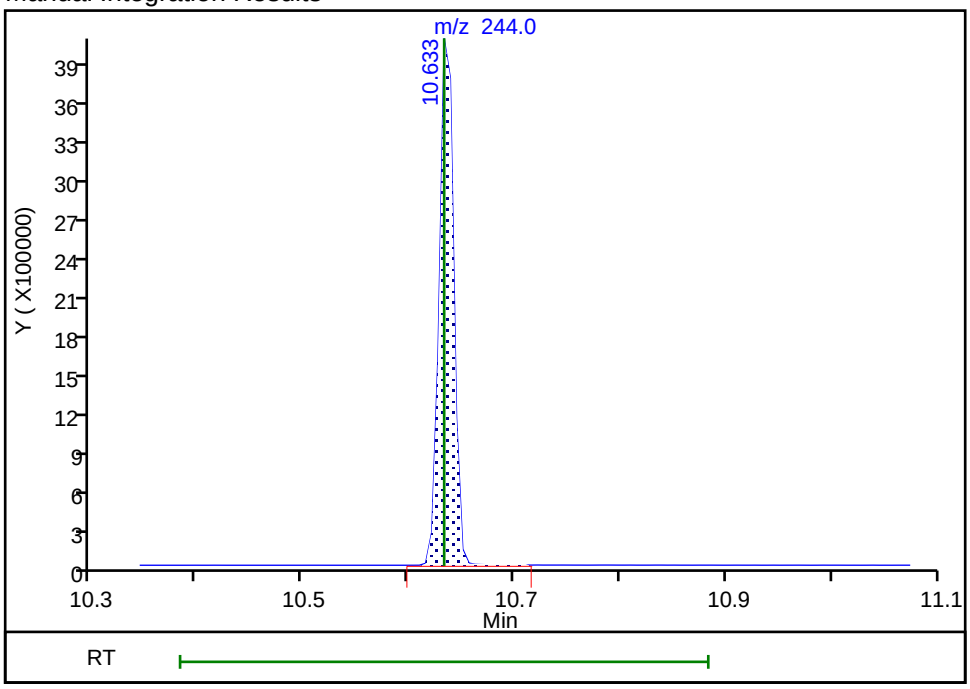
Processing Integration Results

RT: 10.79
Area: 2639
Amount: 0.025639
Amount Units: ug/ml



Manual Integration Results

RT: 10.63
Area: 3880107
Amount: 27.902978
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:46:04 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

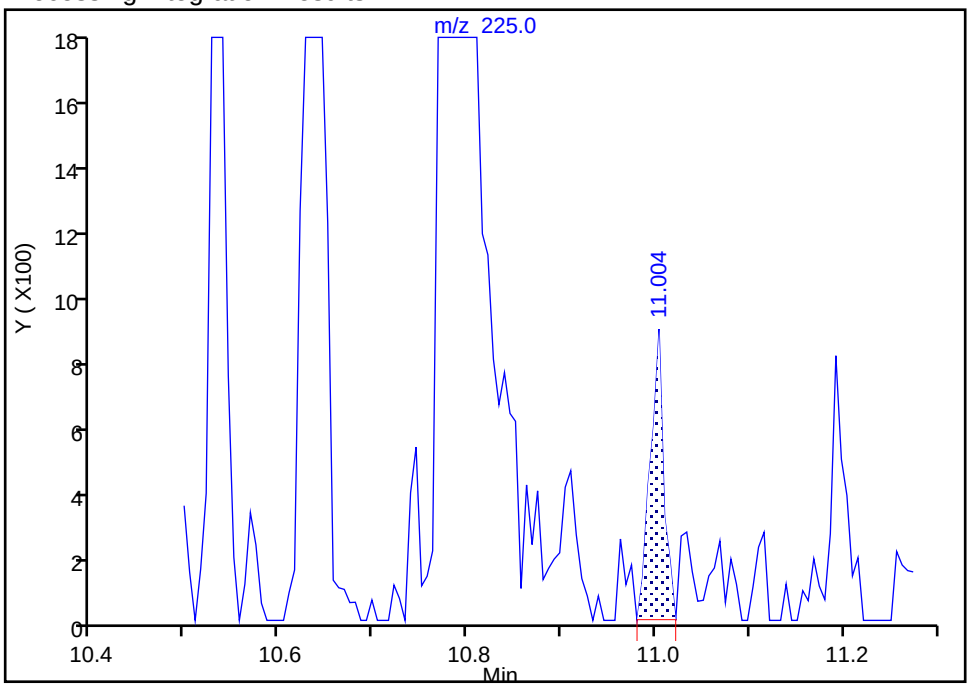
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

143 p-Dimethylamino azobenzene, CAS: 60-11-7

Signal: 1

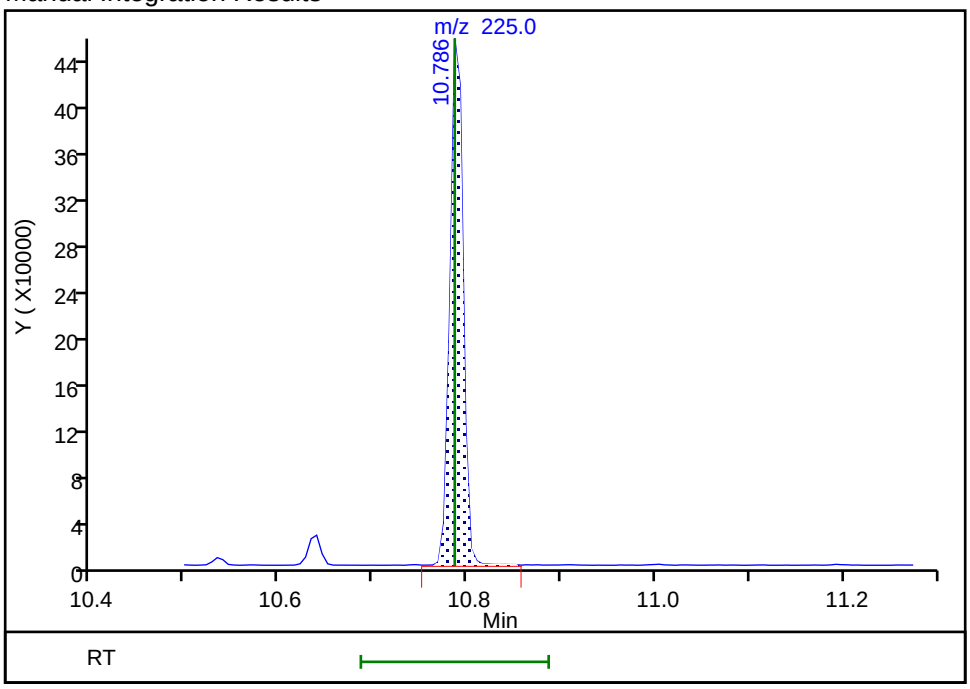
Processing Integration Results

RT: 11.00
Area: 884
Amount: 5.338586
Amount Units: ug/ml



Manual Integration Results

RT: 10.79
Area: 444128
Amount: 13.735429
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:52:41 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

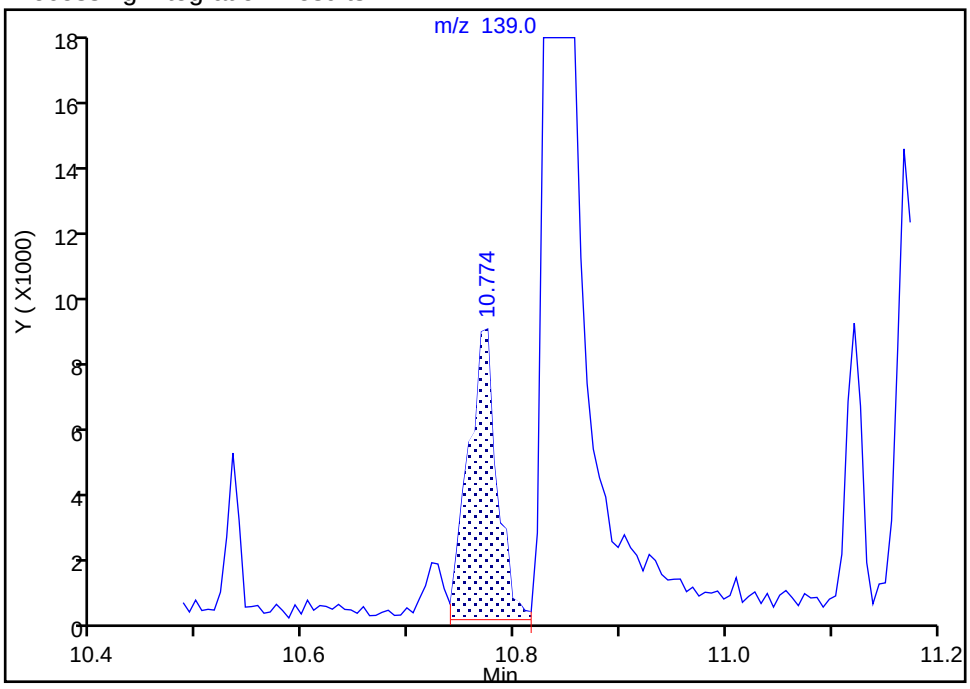
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

144 Chlorobenzilate, CAS: 510-15-6

Signal: 1

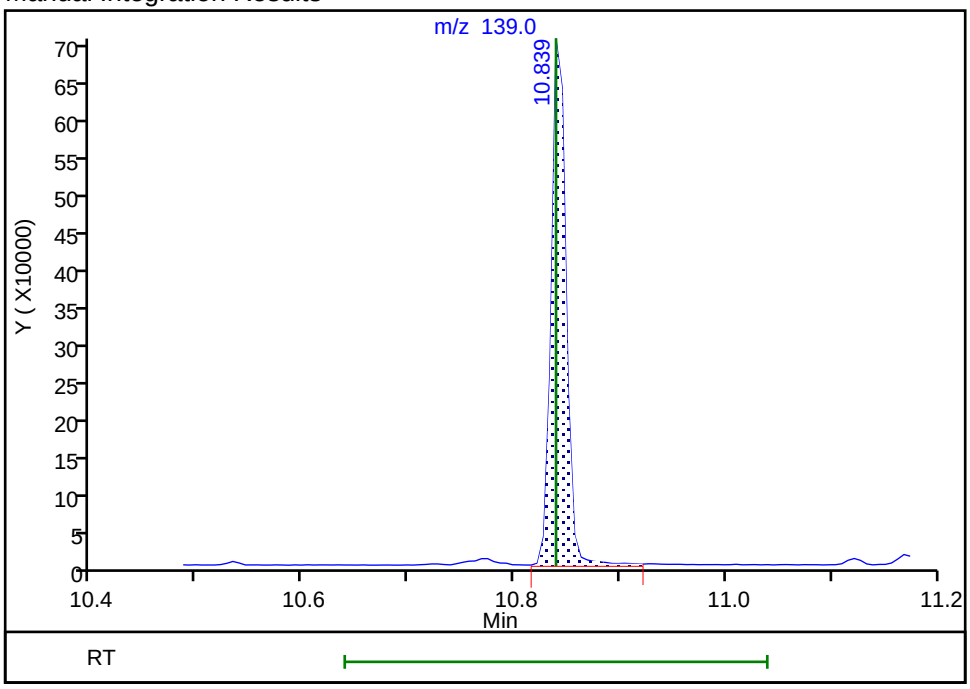
Processing Integration Results

RT: 10.77
Area: 16674
Amount: 0.376192
Amount Units: ug/ml



Manual Integration Results

RT: 10.84
Area: 688128
Amount: 14.033094
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:52:35 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

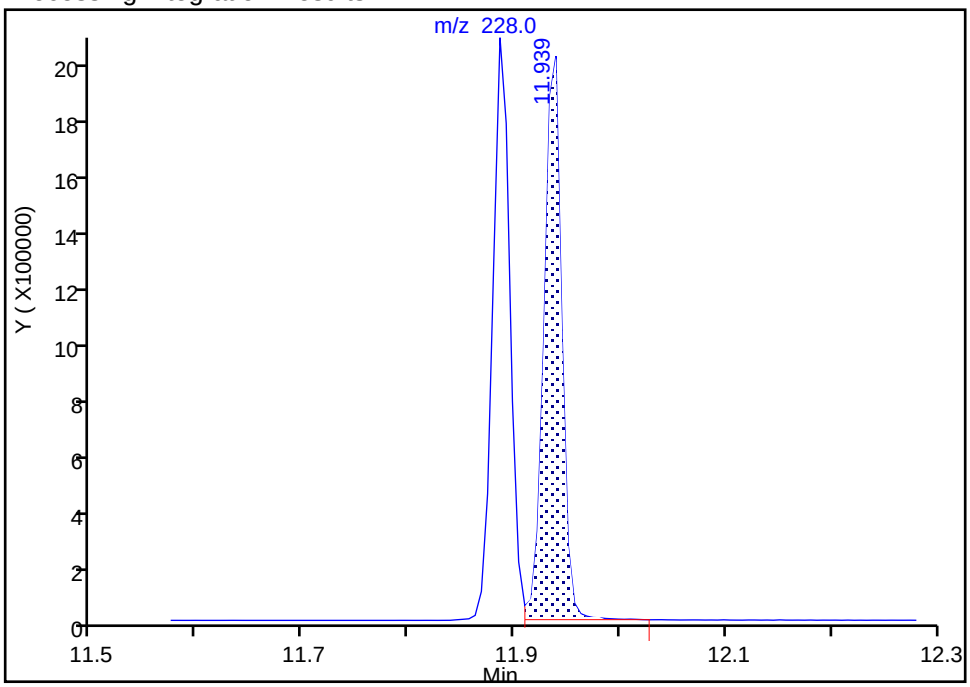
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D
Injection Date: 01-May-2025 09:34:30 Instrument ID: HP18831
Lims ID: ICIS L6
Client ID:
Operator ID: CJS101602 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

148 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

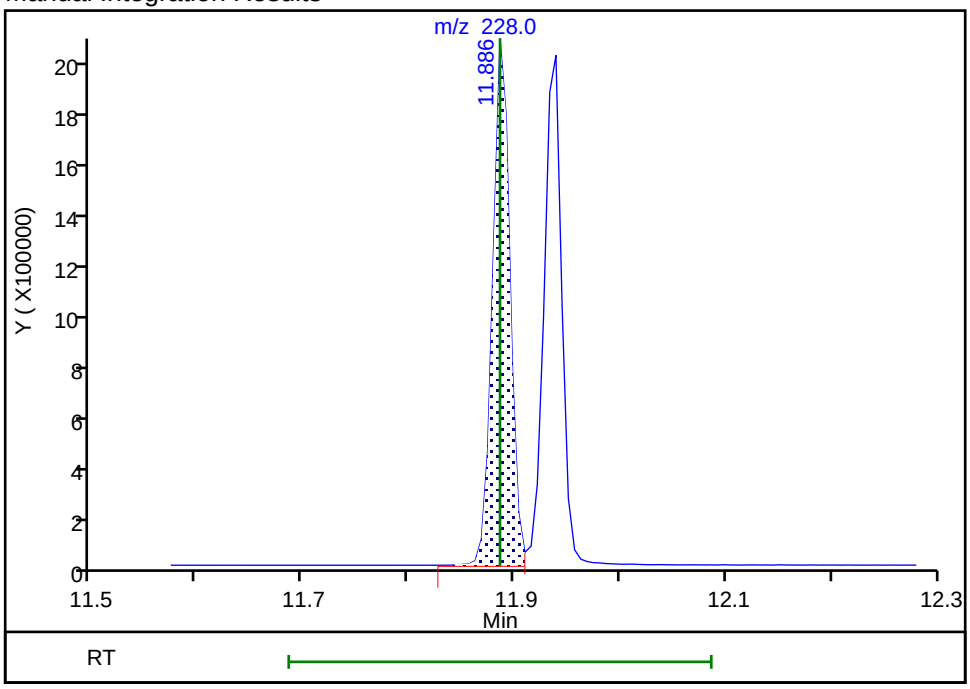
Processing Integration Results

RT: 11.94
Area: 2356077
Amount: 13.092144
Amount Units: ug/ml



Manual Integration Results

RT: 11.89
Area: 2365833
Amount: 13.574214
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:52:57 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

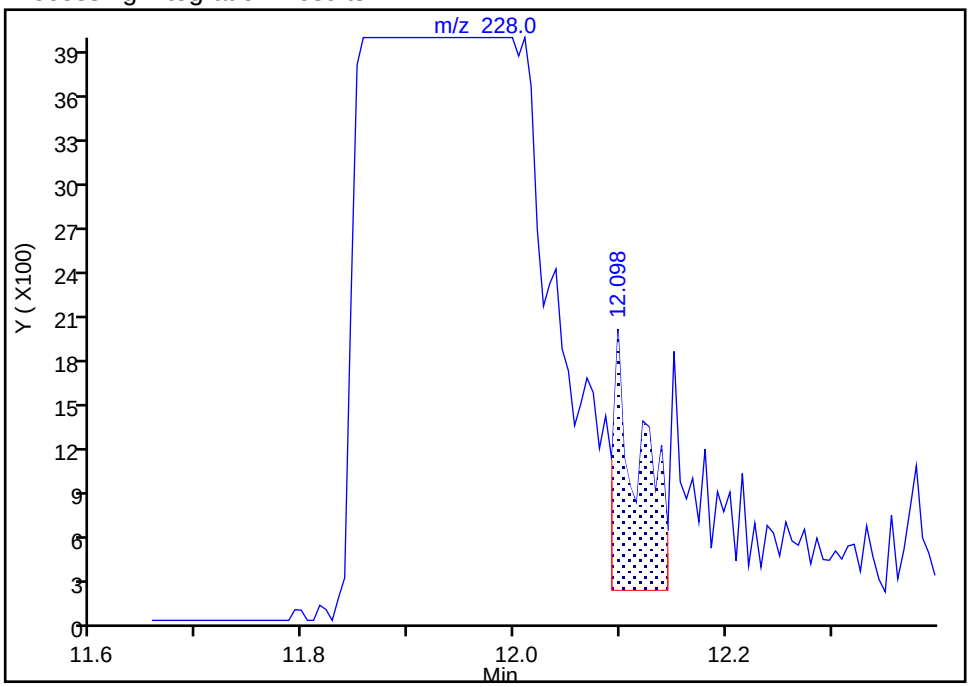
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Chrysene, CAS: 218-01-9

Signal: 1

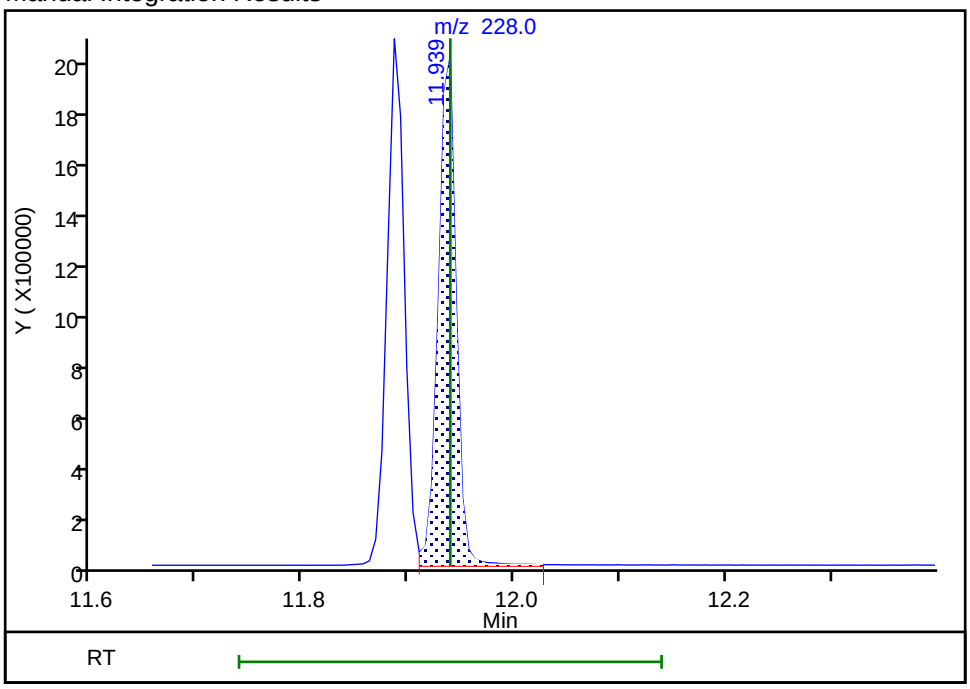
Processing Integration Results

RT: 12.10
Area: 2993
Amount: 0.023324
Amount Units: ug/ml



Manual Integration Results

RT: 11.94
Area: 2356077
Amount: 13.468554
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:52:59 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

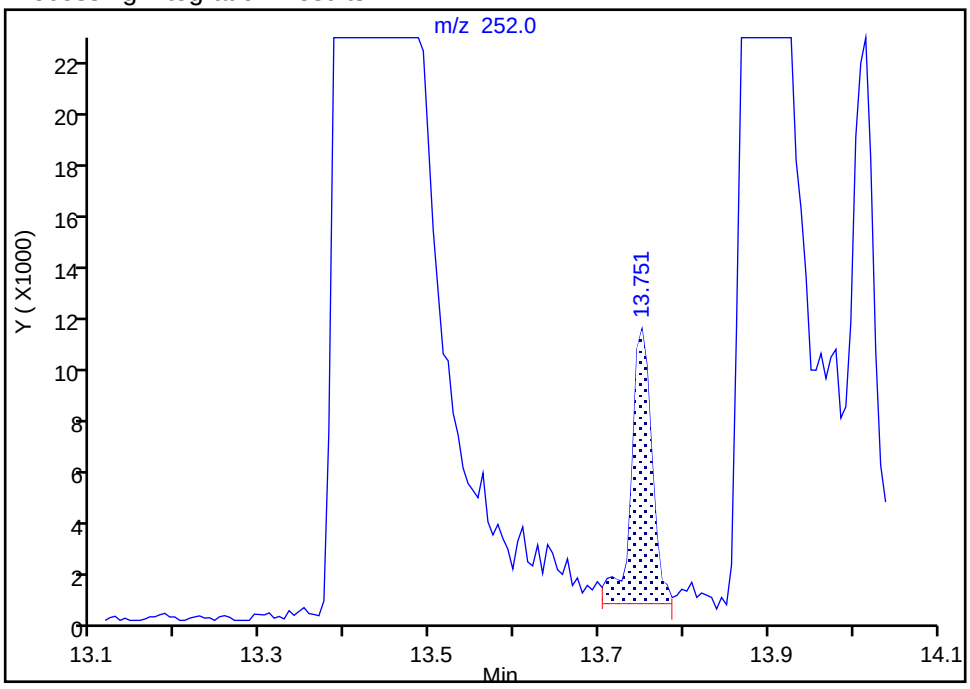
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

155 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

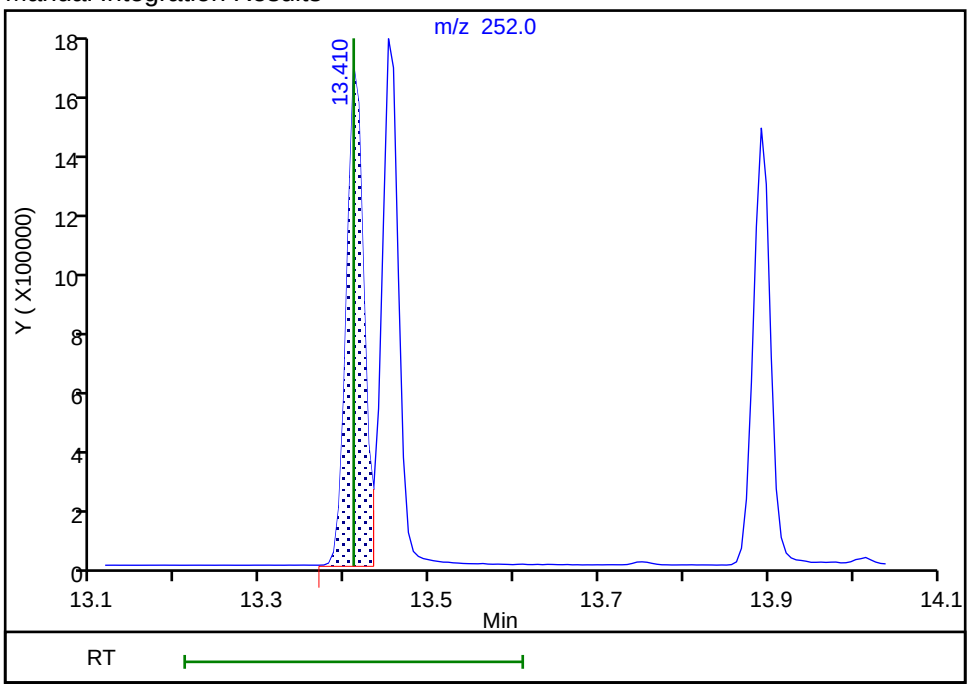
Processing Integration Results

RT: 13.75
Area: 17500
Amount: 0.291262
Amount Units: ug/ml



Manual Integration Results

RT: 13.41
Area: 2299911
Amount: 13.987744
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:53:16 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

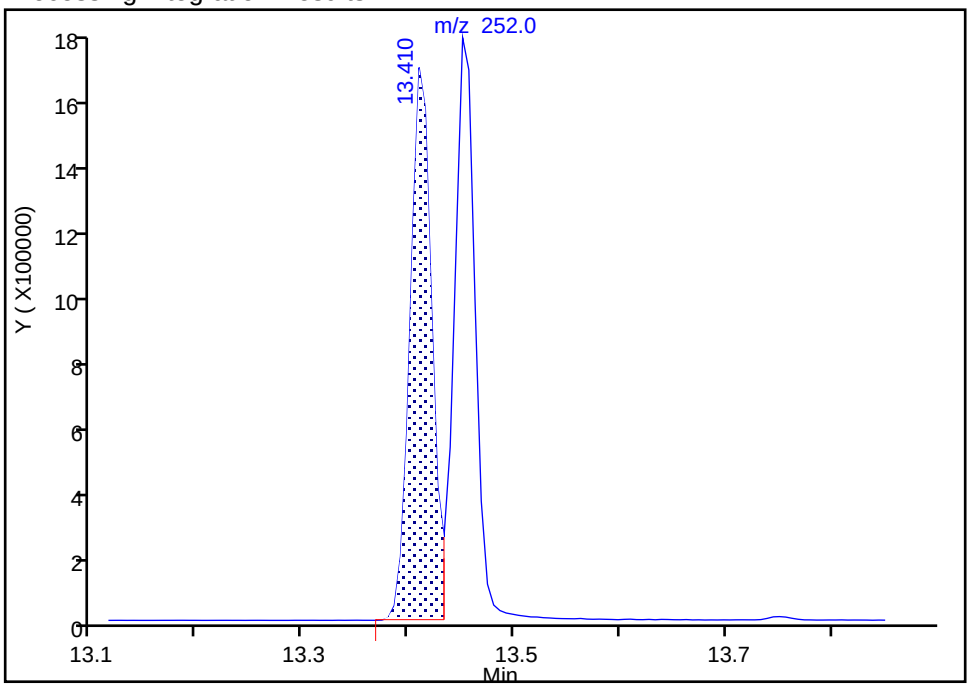
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

157 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

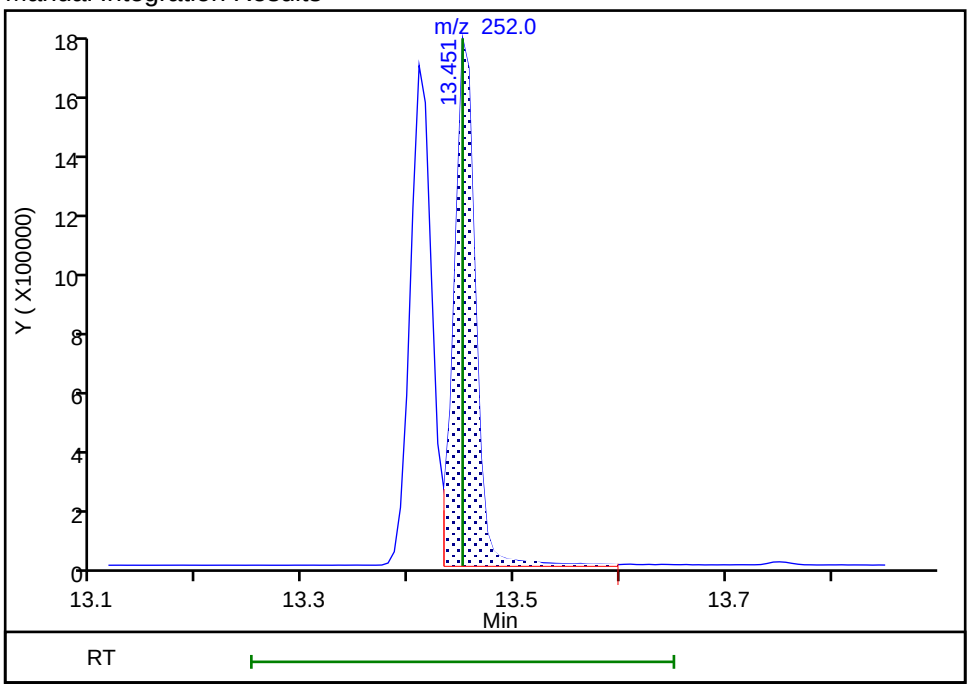
Processing Integration Results

RT: 13.41
Area: 2299911
Amount: 0.939906
Amount Units: ug/ml



Manual Integration Results

RT: 13.45
Area: 2357861
Amount: 13.608166
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:53:25 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

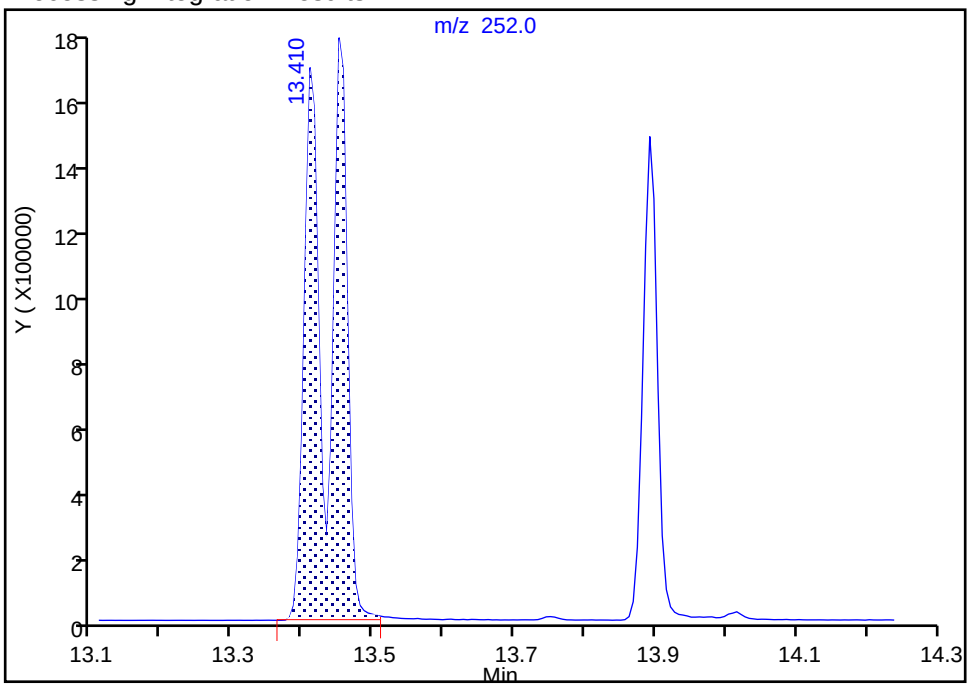
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D
Injection Date: 01-May-2025 09:34:30 Instrument ID: HP18831
Lims ID: ICIS L6
Client ID:
Operator ID: CJS101602 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

158 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

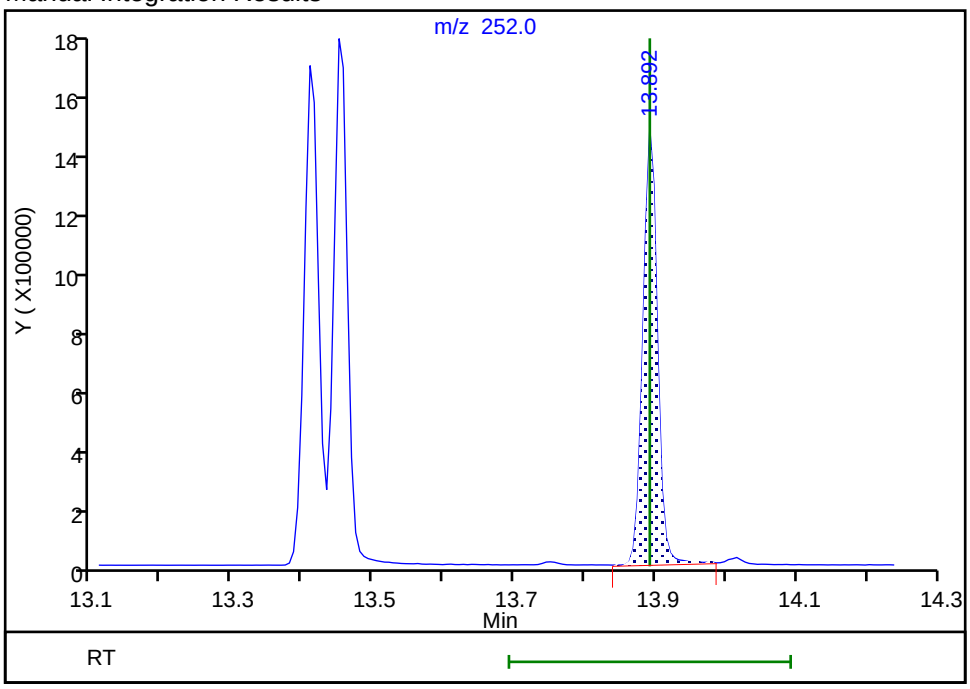
Processing Integration Results

RT: 13.41
Area: 4622801
Amount: 33.384181
Amount Units: ug/ml



Manual Integration Results

RT: 13.89
Area: 2045185
Amount: 13.761034
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:54:02 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

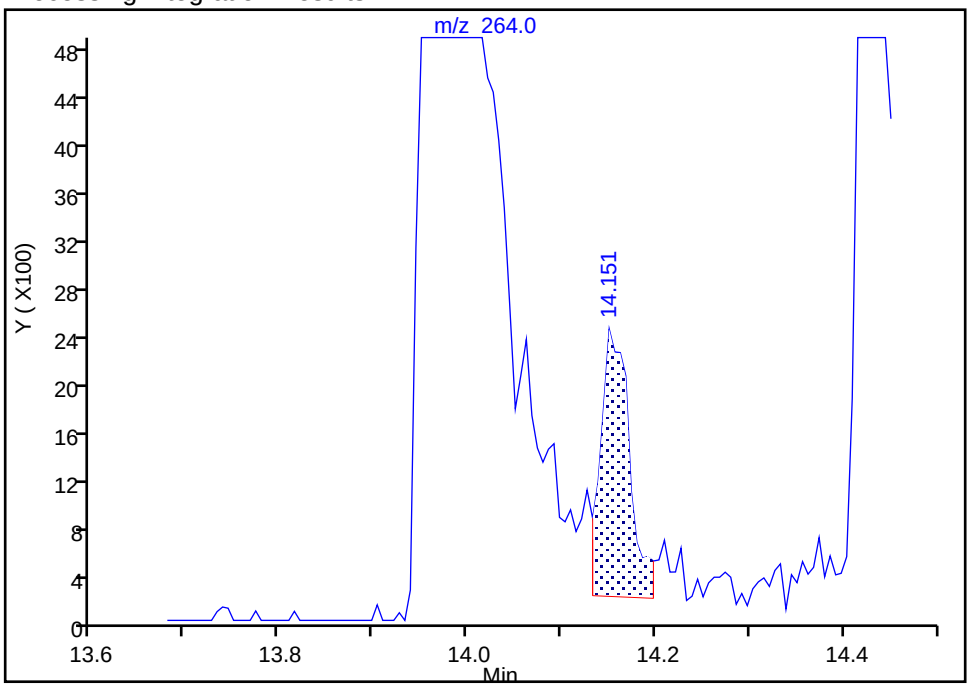
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 159 Perylene-d12, CAS: 1520-96-3

Signal: 1

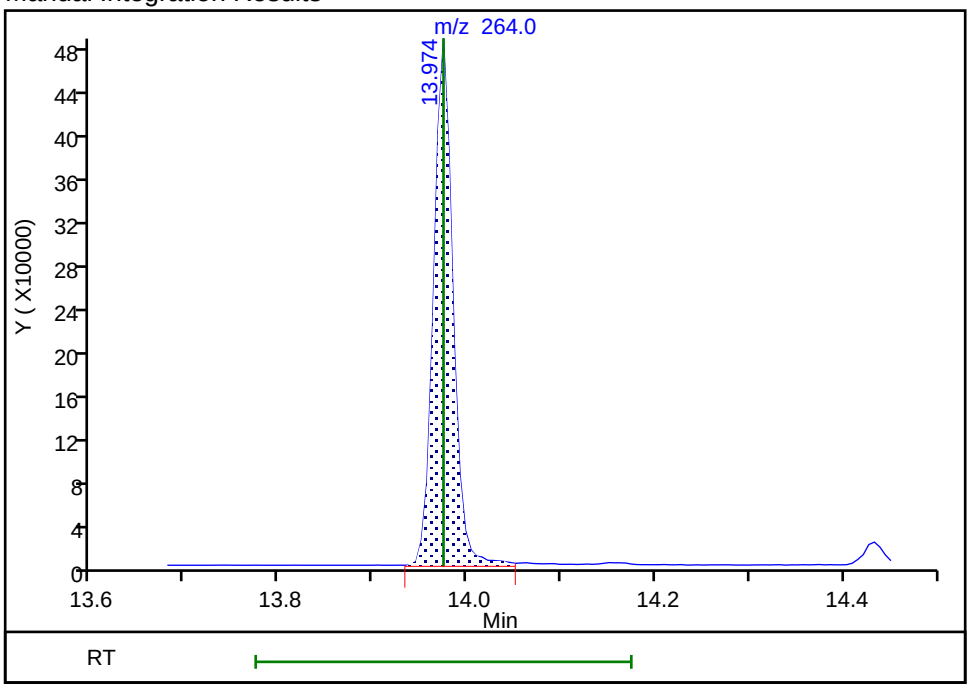
Processing Integration Results

RT: 14.15
Area: 4651
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 13.97
Area: 693639
Amount: 5.000000
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 13:45:41 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

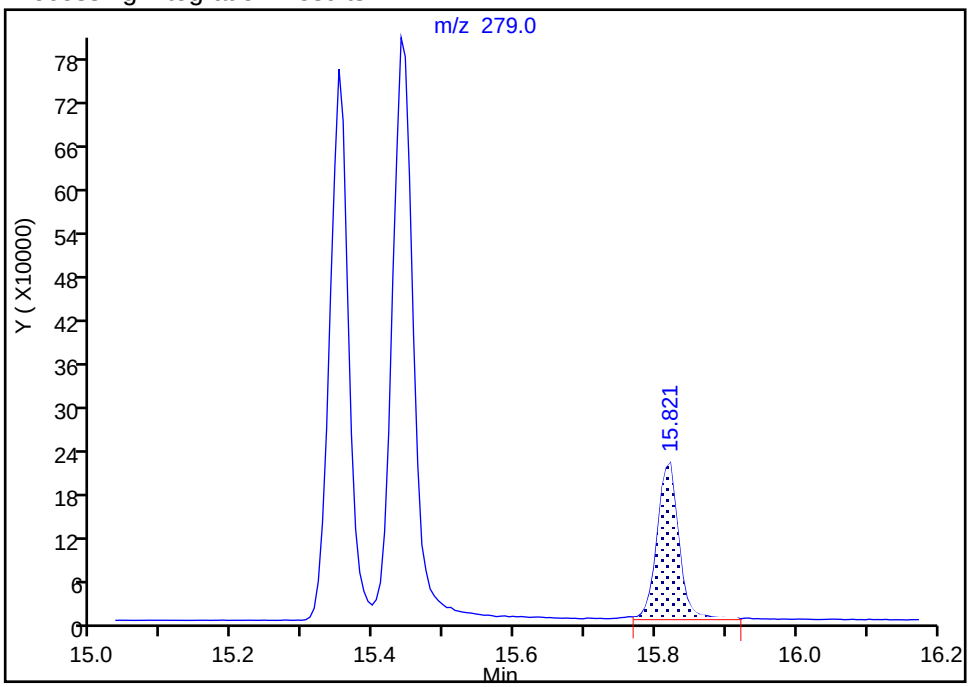
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

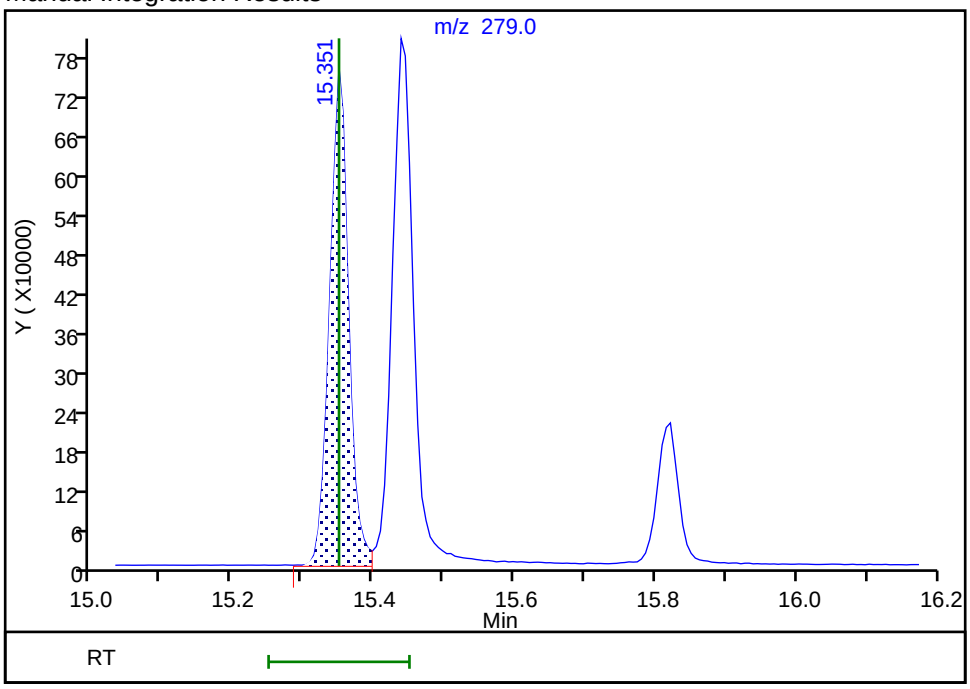
Processing Integration Results

RT: 15.82
Area: 473361
Amount: 12.500000
Amount Units: ug/ml



Manual Integration Results

RT: 15.35
Area: 1414086
Amount: 13.684258
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 19:46:35 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

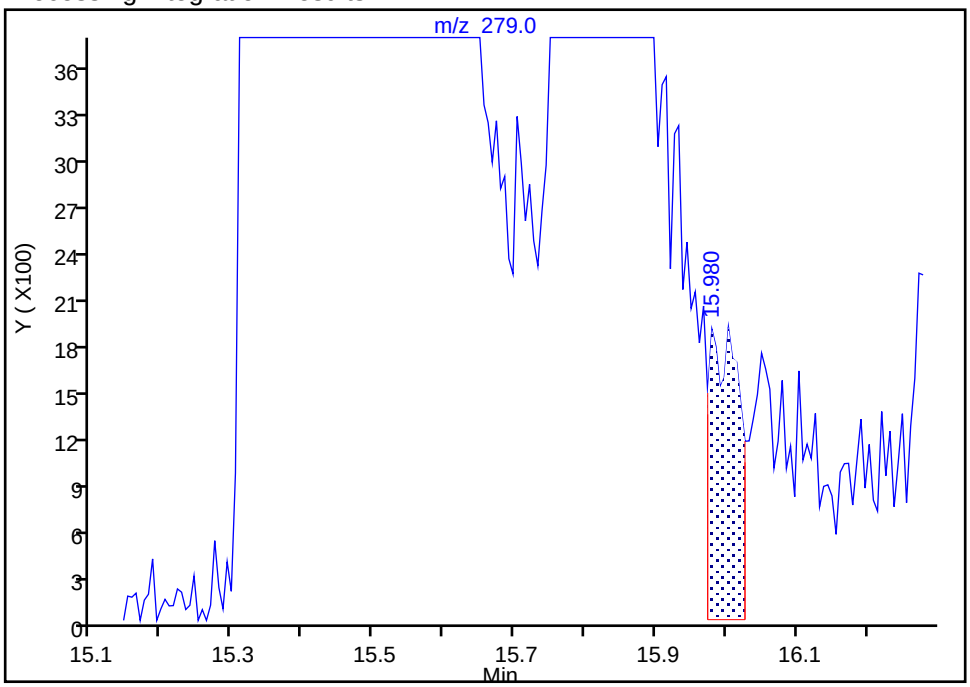
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D
Injection Date: 01-May-2025 09:34:30 Instrument ID: HP18831
Lims ID: ICIS L6
Client ID:
Operator ID: CJS101602 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

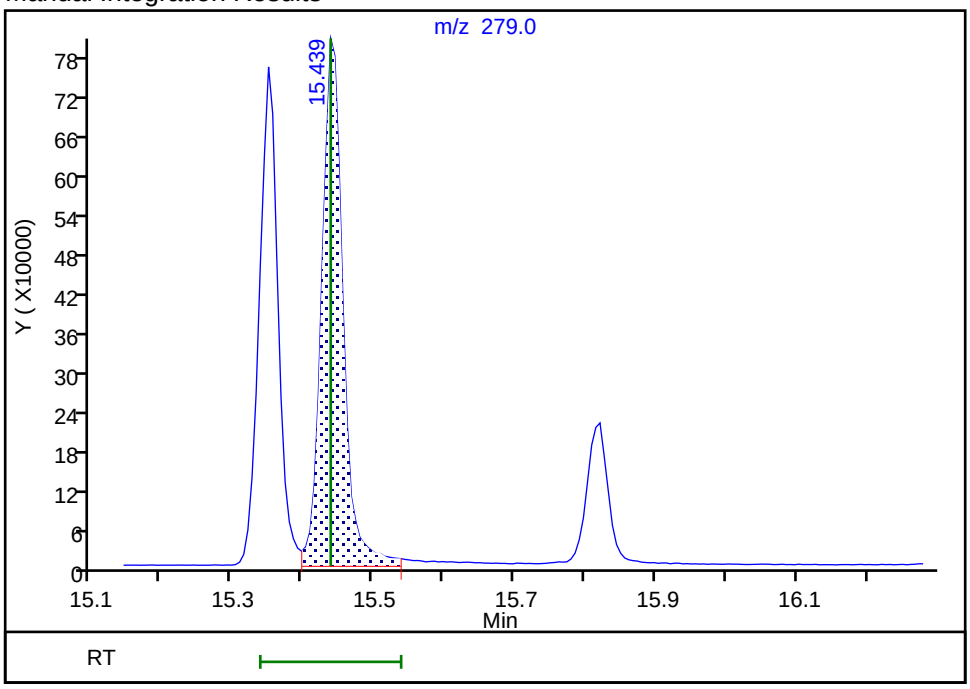
Processing Integration Results

RT: 15.98
Area: 5157
Amount: 12.500000
Amount Units: ug/ml



Manual Integration Results

RT: 15.44
Area: 1694743
Amount: 13.963342
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 19:46:28 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

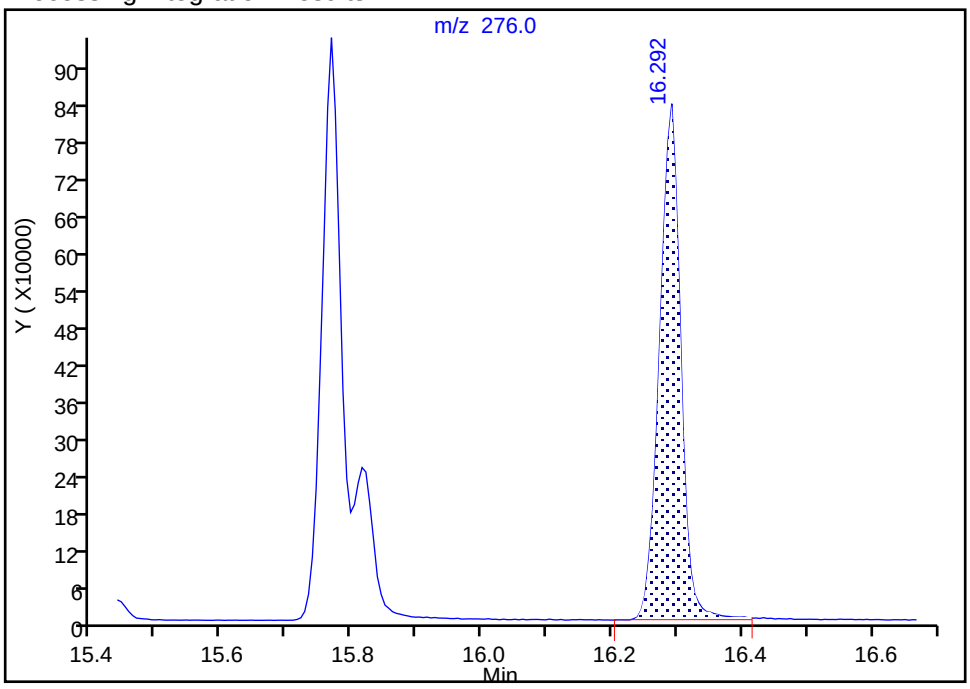
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

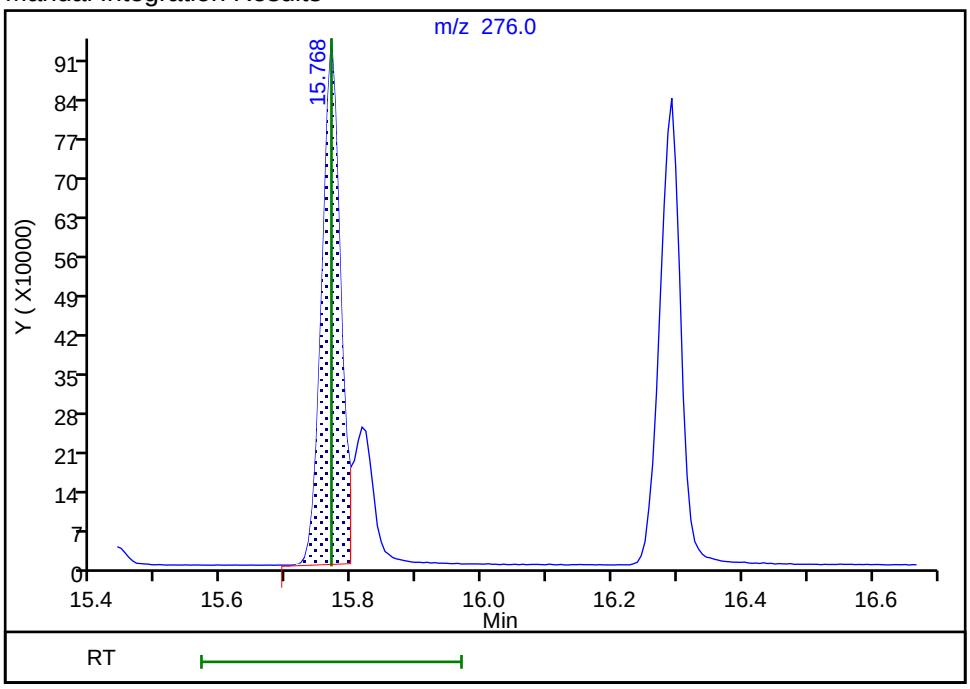
Processing Integration Results

RT: 16.29
Area: 1891555
Amount: 12.500000
Amount Units: ug/ml



Manual Integration Results

RT: 15.77
Area: 1865420
Amount: 13.718209
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 10:05:30 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

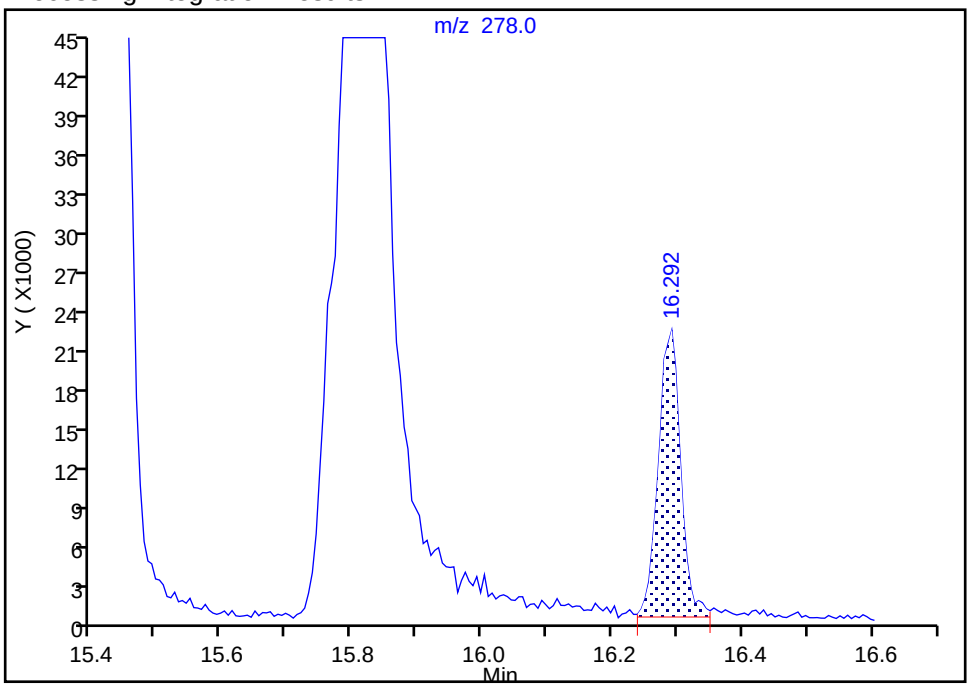
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

164 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

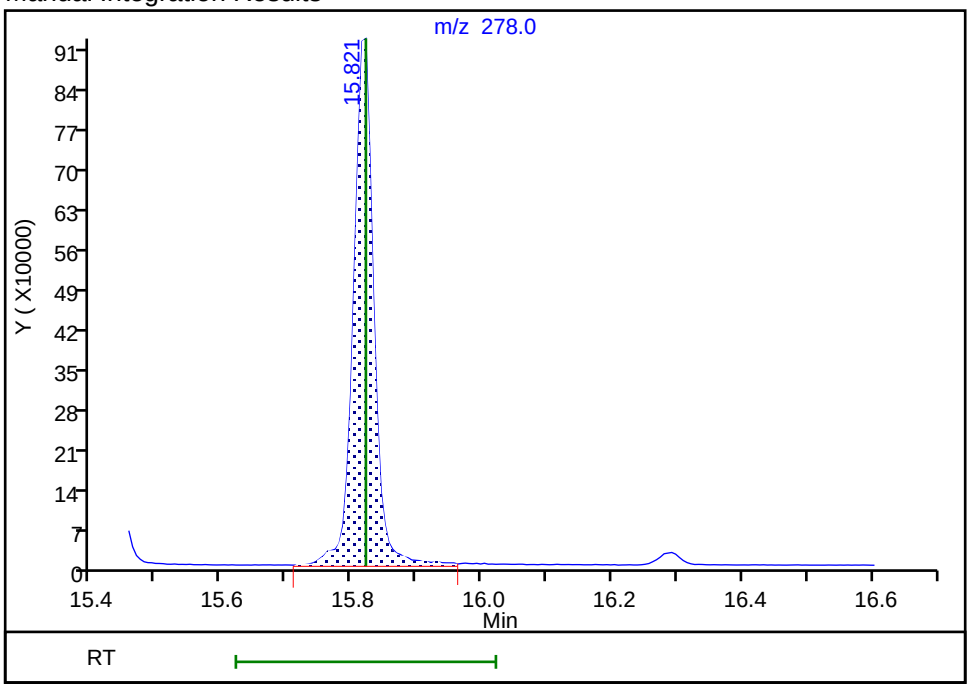
Processing Integration Results

RT: 16.29
Area: 52420
Amount: 12.500000
Amount Units: ug/ml



Manual Integration Results

RT: 15.82
Area: 1996845
Amount: 13.979560
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 10:05:33 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

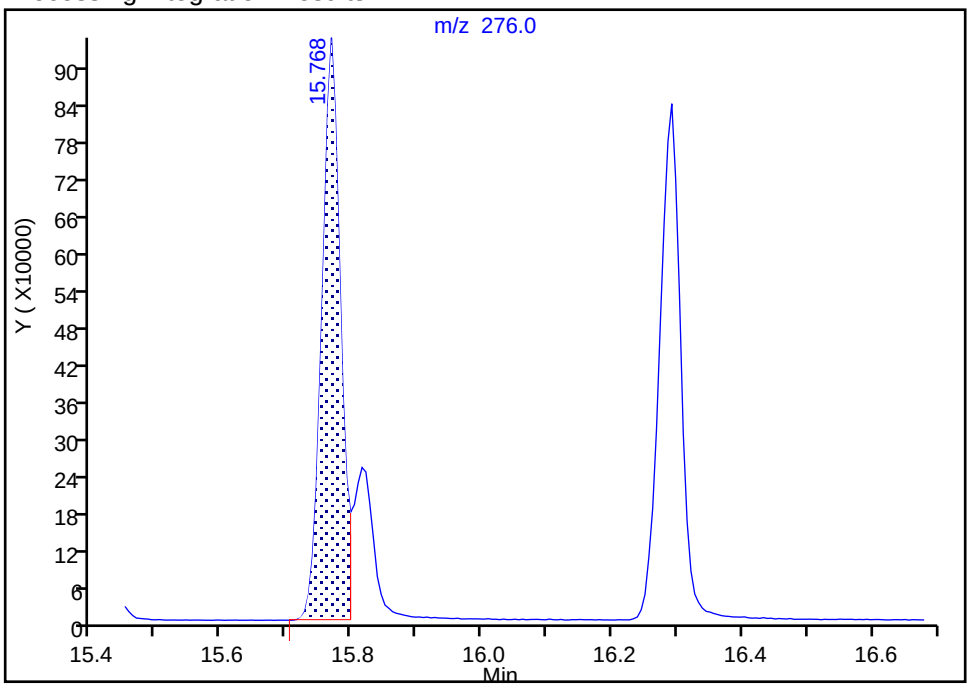
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

165 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

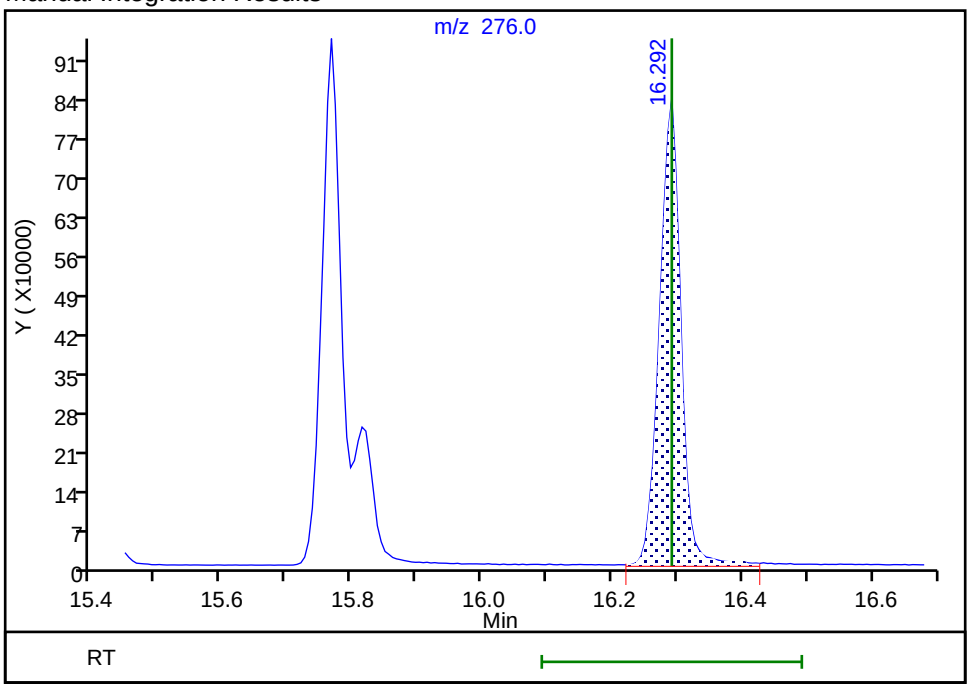
Processing Integration Results

RT: 15.77
Area: 1869425
Amount: 12.500000
Amount Units: ug/ml



Manual Integration Results

RT: 16.29
Area: 1906075
Amount: 13.593271
Amount Units: ug/ml



Reviewer: W6ZA, 01-May-2025 10:05:20 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0102.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 01-May-2025 10:11:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0145811-003
Operator ID: CJS101602 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub64

Method: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-May-2025 21:48:12 Calib Date: 01-May-2025 12:22:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

First Level Reviewer: WH7Z Date: 01-May-2025 14:29:15

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	2.216	2.216	0.000	93	555666	30.0	28.0	
	2 N-Nitrosodimethylamine	74	2.399	2.399	-0.001	92	884110	30.0	29.0	
	3 Pyridine	79	2.434	2.440	-0.006	97	3005494	60.0	61.0	
	4 Dimethylformamide	73	2.663	2.663	0.000	95	1016470	30.0	34.2	
	5 2-Picoline	93	2.946	2.946	0.000	96	1527707	30.0	31.0	
	6 N-Nitrosomethylethylamine	88	3.016	3.016	0.000	97	631230	30.0	29.4	
	9 Methyl methanesulfonate	80	3.251	3.246	0.005	86	770077	30.0	29.4	
$	10 2-Fluorophenol	112	3.393	3.393	0.000	92	3052900	60.0	63.2	
	11 N-Nitrosodiethylamine	102	3.593	3.593	0.000	95	663276	30.0	31.5	
	13 Ethyl methanesulfonate	109	3.845	3.846	-0.001	98	753452	30.0	29.8	
	15 Benzaldehyde	77	4.169	4.169	0.000	94	434356	30.0	10.5	
$	16 Phenol-d5	99	4.204	4.204	0.000	98	3881518	60.0	65.8	
	17 Phenol	94	4.216	4.216	0.000	99	1917812	30.0	31.8	
	18 Aniline	93	4.269	4.263	0.006	98	2338871	30.0	32.0	
	19 Bis(2-chloroethyl)ether	93	4.322	4.322	0.000	96	1571155	30.0	31.2	
	20 2-Chlorophenol	128	4.381	4.381	0.000	96	1612848	30.0	31.7	
	22 1,3-Dichlorobenzene	146	4.534	4.534	0.000	99	1854905	30.0	30.7	a
*	23 1,4-Dichlorobenzene-d4	152	4.587	4.587	0.000	94	196908	5.00	5.00	
	24 1,4-Dichlorobenzene	146	4.598	4.604	-0.006	95	1857125	30.0	30.4	a
	26 Benzyl alcohol	108	4.704	4.698	0.006	95	1042073	30.0	32.1	
	27 1,2-Dichlorobenzene	146	4.745	4.745	0.000	98	1790020	30.0	30.6	a
	30 2-Methylphenol	108	4.804	4.798	0.006	96	1411854	30.0	31.8	
	32 2,2'-oxybis[1-chloropropane]	45	4.840	4.840	0.000	92	1767502	30.0	30.6	
	33 N-Nitrosopyrrolidine	100	4.940	4.934	0.006	93	734490	30.0	32.6	
	36 4-Methylphenol	108	4.957	4.951	0.006	97	1535109	30.0	32.4	
	25 alpha,alpha-Dimethyl phenethylam	58		4.963				ND	ND	U
	34 Acetophenone	105	4.969	4.963	0.006	98	2330486	30.0	30.5	
	35 N-Nitrosodi-n-propylamine	70	4.969	4.963	0.006	89	1131600	30.0	31.6	
	37 N-Nitrosomorpholine	56	4.981	4.975	0.006	91	828838	30.0	30.1	
	38 2-Toluidine	106	5.004	4.998	0.006	95	2294158	30.0	31.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Hexachloroethane	117	5.081	5.081	0.000	92	724256	30.0	29.5	
$ 41 Nitrobenzene-d5	82	5.116	5.116	0.000	88	3366079	60.0	64.1	
42 Nitrobenzene	77	5.134	5.134	0.000	86	1581229	30.0	28.8	
43 N-Nitrosopiperidine	114	5.281	5.275	0.006	86	728157	30.0	32.5	
45 Isophorone	82	5.369	5.369	0.000	99	2997711	30.0	32.2	
46 2-Nitrophenol	139	5.445	5.445	0.000	94	881543	30.0	34.4	
48 2,4-Dimethylphenol	107	5.481	5.481	0.000	94	1594423	30.0	31.7	
49 o,o',o''-Triethylphosphorothioat	198	5.557	5.557	0.000	80	927242	30.0	33.8	
51 Bis(2-chloroethoxy)methane	93	5.587	5.581	0.006	98	1898606	30.0	31.5	
52 2,4-Dichlorophenol	162	5.681	5.681	0.000	91	1484659	30.0	33.7	a
53 1,2,4-Trichlorobenzene	180	5.775	5.775	0.000	94	1629199	30.0	31.3	
* 54 Naphthalene-d8	136	5.834	5.834	0.000	99	765731	5.00	5.00	
55 Naphthalene	128	5.851	5.851	0.000	97	4883842	30.0	30.8	
29 Alpha-Terpineol	59	5.863	5.857	0.006	95	1269024	30.0	33.5	
57 4-Chloroaniline	127	5.898	5.898	0.000	97	2115863	30.0	32.6	
58 2,6-Dichlorophenol	162	5.910	5.910	0.000	98	1473481	30.0	32.7	a
59 Hexachloropropene	213	5.945	5.945	0.000	88	1056853	30.0	33.9	
60 Hexachlorobutadiene	225	5.981	5.981	0.000	95	999742	30.0	32.1	
62 Quinoline	129	6.181	6.181	0.000	98	3062276	30.0	30.7	
63 Caprolactam	113	6.239	6.222	0.017	49	466106	30.0	33.8	
64 N-Nitrosodi-n-butylamine	84	6.239	6.239	0.000	87	1324108	30.0	39.4	
39 p-Phenylene diamine	108	6.251	6.245	0.006	97	1638325	30.0	33.3	
66 4-Chloro-3-methylphenol	107	6.381	6.375	0.006	95	1388607	30.0	33.7	
67 Safrole, Total	162	6.457	6.451	0.006	95	1335524	30.0	32.9	
68 2-Methylnaphthalene	142	6.545	6.539	0.006	92	3022641	30.0	32.1	
69 1-Methylnaphthalene	142	6.639	6.639	0.000	92	3109997	30.0	31.4	
71 Hexachlorocyclopentadiene	237	6.704	6.698	0.006	95	1324478	30.0	34.0	
72 1,2,4,5-Tetrachlorobenzene	216	6.710	6.704	0.006	97	1738086	30.0	31.4	
73 Isosafrole Peak 1	162	6.745	6.745	0.000	94	226132	4.80	4.67	
74 2,4,6-Trichlorophenol	196	6.822	6.816	0.006	87	1186888	30.0	33.1	
75 2,4,5-Trichlorophenol	196	6.851	6.851	0.000	95	1276034	30.0	33.0	
$ 76 2-Fluorobiphenyl (Surr)	172	6.910	6.904	0.006	97	7683113	60.0	57.5	e
77 Isosafrole Peak 2	162	6.969	6.969	0.000	96	1337838	25.2	26.0	
78 1,1'-Biphenyl	154	7.010	7.004	0.006	93	4269258	30.0	30.3	
79 2-Chloronaphthalene	162	7.028	7.022	0.006	95	3406696	30.0	31.0	
80 1-Chloronaphthalene	162	7.051	7.045	0.006	99	2916776	30.0	28.4	
81 Phenyl ether	170	7.110	7.110	0.000	92	2466520	30.0	30.3	
82 2-Nitroaniline	138	7.122	7.116	0.006	90	1077048	30.0	34.0	
84 1,4-Naphthoquinone	158	7.198	7.192	0.006	94	1193889	30.0	32.6	
85 1,4-Dinitrobenzene	168	7.257	7.251	0.006	93	520122	30.0	34.7	
86 Dimethyl phthalate	163	7.310	7.304	0.006	99	3872349	30.0	31.1	
87 1,3-Dinitrobenzene	168	7.328	7.328	0.000	91	622765	30.0	32.9	
88 2,6-Dinitrotoluene	165	7.363	7.357	0.006	96	840797	30.0	33.3	
89 Acenaphthylene	152	7.439	7.434	0.005	98	5171352	30.0	31.2	
90 3-Nitroaniline	138	7.528	7.522	0.006	97	959758	30.0	32.6	
* 91 Acenaphthene-d10	164	7.575	7.575	0.000	94	462999	5.00	5.00	
93 Acenaphthene	153	7.610	7.610	0.000	96	3408037	30.0	30.3	
94 2,4-Dinitrophenol	184	7.628	7.628	0.000	89	1171985	60.0	62.9	
95 4-Nitrophenol	109	7.686	7.675	0.011	88	1071060	60.0	66.7	
96 Pentachlorobenzene	250	7.739	7.739	0.000	98	1544873	30.0	31.4	
98 2,4-Dinitrotoluene	165	7.763	7.757	0.006	95	1171707	30.0	34.1	
97 Dibenzofuran	168	7.781	7.781	-0.001	96	4682542	30.0	29.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	7.857	7.851	0.006	99	3293707	30.0	32.8	
101 2,3,4,6-Tetrachlorophenol	232	7.898	7.892	0.006	71	1102117	30.0	34.4	
103 2-Naphthylamine	143	7.933	7.928	0.005	97	3284944	30.0	30.7	
104 Diethyl phthalate	149	8.010	8.004	0.006	99	3896165	30.0	32.0	
106 Thionazin	107	8.092	8.086	0.006	81	543440	30.0	31.4	
105 Fluorene	166	8.122	8.116	0.006	92	4024833	30.0	31.7	
108 4-Chlorophenyl phenyl ether	204	8.122	8.116	0.006	76	2067601	30.0	33.2	
107 N-Nitro-o-toluidine	152	8.128	8.122	0.006	94	1072762	30.0	33.9	
109 4-Nitroaniline	138	8.133	8.122	0.011	88	1018049	30.0	32.3	
110 4,6-Dinitro-2-methylphenol	198	8.163	8.157	0.006	90	1572318	60.0	66.6	
111 N-Nitrosodiphenylamine	169	8.233	8.228	0.005	63	2803378	25.5	25.4	
112 1,2-Diphenylhydrazine	77	8.275	8.275	0.000	98	3519412	30.0	27.8	
$ 113 2,4,6-Tribromophenol	330	8.357	8.351	0.006	92	1726205	60.0	71.2	
114 Sulfotepp	97	8.392	8.392	0.000	85	595918	30.0	30.6	
172 1,3,5-Trinitrobenzene	213	8.480	8.475	0.005	85	414334	30.0	35.4	
115 cis-Diallate	86	8.522	8.522	0.000	93	1034110	22.2	20.3	
117 Phenacetin	108	8.539	8.528	0.011	95	1784273	30.0	32.6	
116 Phorate	75	8.528	8.528	0.000	95	2093156	30.0	32.4	
118 4-Bromophenyl phenyl ether	248	8.604	8.598	0.006	67	1241250	30.0	31.2	
119 trans-Diallate	86	8.610	8.610	0.000	94	355837	7.80	7.36	a
120 Hexachlorobenzene	284	8.663	8.657	0.006	96	1499456	30.0	30.5	
121 Dimethoate	87	8.692	8.686	0.006	94	1252264	30.0	31.7	
122 Atrazine	200	8.763	8.757	0.006	95	1107042	30.0	30.6	
123 Pentachlorophenol	266	8.851	8.851	0.000	93	2130856	60.0	71.0	
125 4-Aminobiphenyl	169	8.857	8.851	0.006	90	4603093	30.0	31.4	
124 Pentachloronitrobenzene	237	8.869	8.863	0.006	91	576919	30.0	33.2	
126 Pronamide	173	8.916	8.910	0.006	90	1767360	30.0	32.0	
128 Dinoseb	211	9.033	9.028	0.005	99	1062823	30.0	30.9	
* 127 Phenanthrene-d10	188	9.045	9.039	0.006	94	953532	5.00	5.00	
70 Disulfoton	88	9.045	9.045	0.000	95	1725639	30.0	25.7	
S 56 Dinitrotoluene	165				0		60.0	67.4	
129 Phenanthrene	178	9.069	9.063	0.006	96	5600995	30.0	27.8	
130 Anthracene	178	9.122	9.116	0.006	97	5808279	30.0	29.3	
131 Carbazole	167	9.275	9.269	0.006	96	5368638	30.0	29.9	
132 Methyl parathion	109	9.410	9.404	0.006	94	1172894	30.0	34.0	
133 Di-n-butyl phthalate	149	9.622	9.616	0.006	100	6328267	30.0	31.9	
S 65 Diallate	86				0		30.0	27.6	
134 Ethyl Parathion	109	9.792	9.792	0.000	86	740196	30.0	35.5	
135 4-Nitroquinoline-1-oxide	190	9.822	9.816	0.006	91	557383	30.0	32.1	
136 Octachlorostyrene	308	10.051	10.045	0.006	91	630389	30.0	32.6	
137 Isodrin	193	10.098	10.092	0.006	95	673340	30.0	29.8	
138 Fluoranthene	202	10.239	10.239	0.000	97	6443769	30.0	31.2	
139 Benzidine	184	10.380	10.369	0.011	98	10665153	90.0	73.9	e
* 140 Pyrene-d10 (IS)	212	10.457	10.451	0.006	98	950176	5.00	5.00	
141 Pyrene	202	10.474	10.475	0.000	97	6756347	30.0	28.7	
$ 142 p-Terphenyl-d14	244	10.639	10.633	0.006	98	9312785	60.0	57.8	e
143 p-Dimethylamino azobenzene	225	10.792	10.786	0.006	91	1287150	30.0	34.4	
144 Chlorobenzilate	139	10.845	10.839	0.006	93	1882009	30.0	33.1	
100 Famphur	218		11.121				ND	ND	U
145 3,3'-Dimethylbenzidine	212	11.174	11.169	0.005	98	3198396	30.0	29.9	
146 Butyl benzyl phthalate	149	11.198	11.192	0.006	96	2866606	30.0	32.0	
147 2-Acetylaminofluorene	181	11.480	11.474	0.006	93	2278400	30.0	33.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 92 Aramite, Total	185		11.583				30.0	ND	
149 3,3'-Dichlorobenzidine	252	11.857	11.851	0.006	74	2872391	30.0	31.9	
150 4,4'-Methylene bis(2-chloroanil	231	11.863	11.863	0.000	94	1268262	30.0	33.9	
148 Benzo[a]anthracene	228	11.892	11.886	0.006	98	6725136	30.0	33.3	
151 Chrysene	228	11.939	11.939	0.000	96	6428597	30.0	31.7	
152 Bis(2-ethylhexyl) phthalate	149	11.951	11.945	0.006	95	4407270	30.0	33.6	
153 6-Methylchrysene	242	12.568	12.563	0.005	98	4478514	30.0	34.1	
154 Di-n-octyl phthalate	149	12.886	12.886	0.000	98	6648070	30.0	30.9	
156 7,12-Dimethylbenz(a)anthracene	256	13.415	13.410	0.005	89	2875213	30.0	34.8	
155 Benzo[b]fluoranthene	252	13.421	13.410	0.011	96	6495870	30.0	33.8	
157 Benzo[k]fluoranthene	252	13.462	13.451	0.011	98	6711083	30.0	33.2	
158 Benzo[a]pyrene	252	13.898	13.892	0.006	76	5755287	30.0	33.2	
* 159 Perylene-d12	264	13.980	13.974	0.006	99	810251	5.00	5.00	
160 3-Methylcholanthrene	268	14.439	14.433	0.006	91	2905202	30.0	33.8	
161 Dibenz[a,h]acridine	279	15.362	15.351	0.011	90	3854071	30.0	31.9	a
162 Dibenz[a,j]acridine	279	15.451	15.439	0.012	96	4658498	30.0	32.9	a
163 Indeno[1,2,3-cd]pyrene	276	15.780	15.768	0.012	98	5061641	30.0	31.9	
164 Dibenz(a,h)anthracene	278	15.833	15.821	0.012	91	5402386	30.0	32.4	
165 Benzo[g,h,i]perylene	276	16.303	16.292	0.011	98	4918816	30.0	30.0	
S 166 Isosafrole	162				0		30.0	30.7	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

e - Potential Peak Saturated

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_8_00042 Amount Added: 1.00 Units: mL

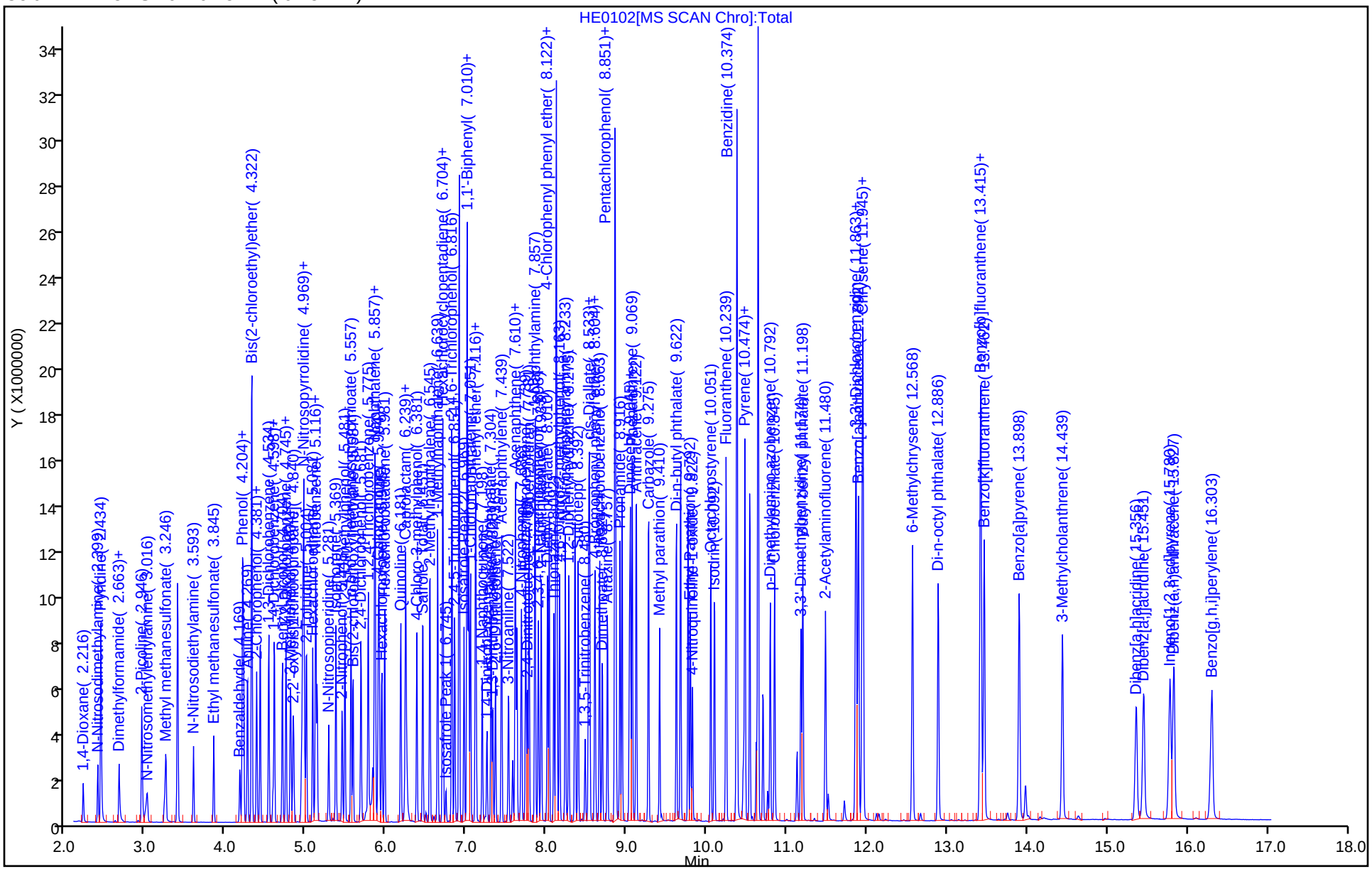
Report Date: 01-May-2025 21:48:13 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0102.D

Injection Date:	01-May-2025 10:11:30	Instrument ID:	HP18831	Operator ID:	CJS101602
Lims ID:	IC L8			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

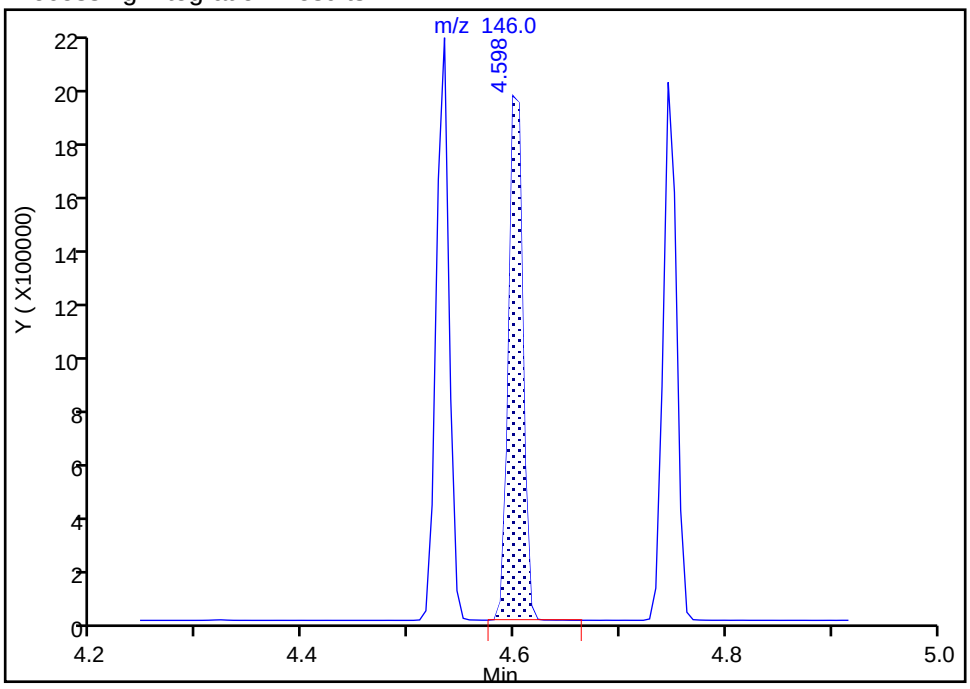
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0102.D				
Injection Date:	01-May-2025 10:11:30	Instrument ID:	HP18831		
Lims ID:	IC L8				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

22 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

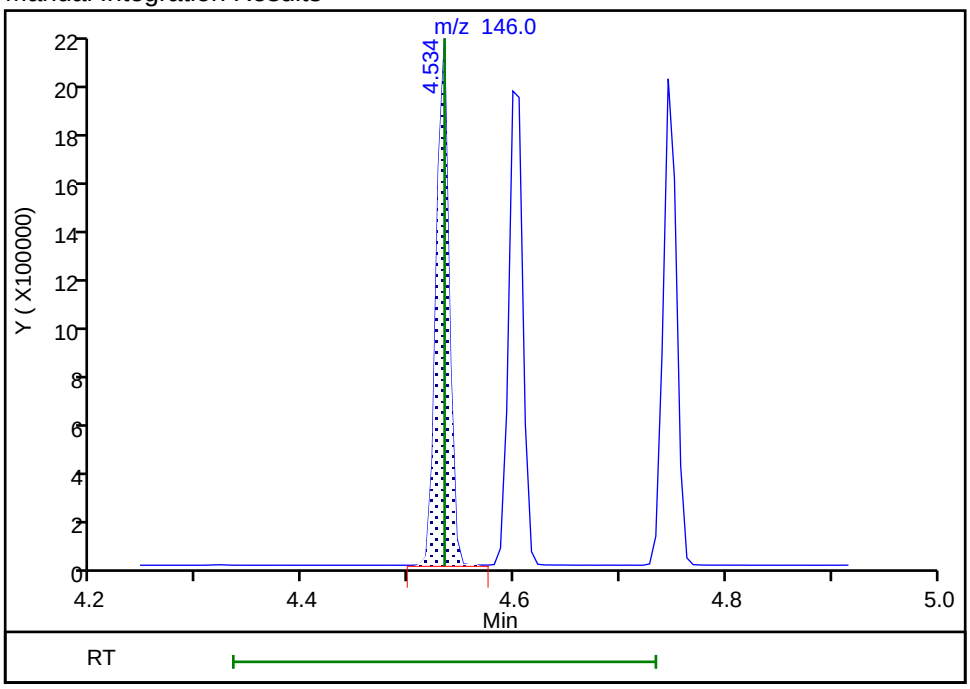
Processing Integration Results

RT: 4.60
Area: 1857125
Amount: 30.421865
Amount Units: ug/ml



Manual Integration Results

RT: 4.53
Area: 1854905
Amount: 30.678860
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:03:48 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

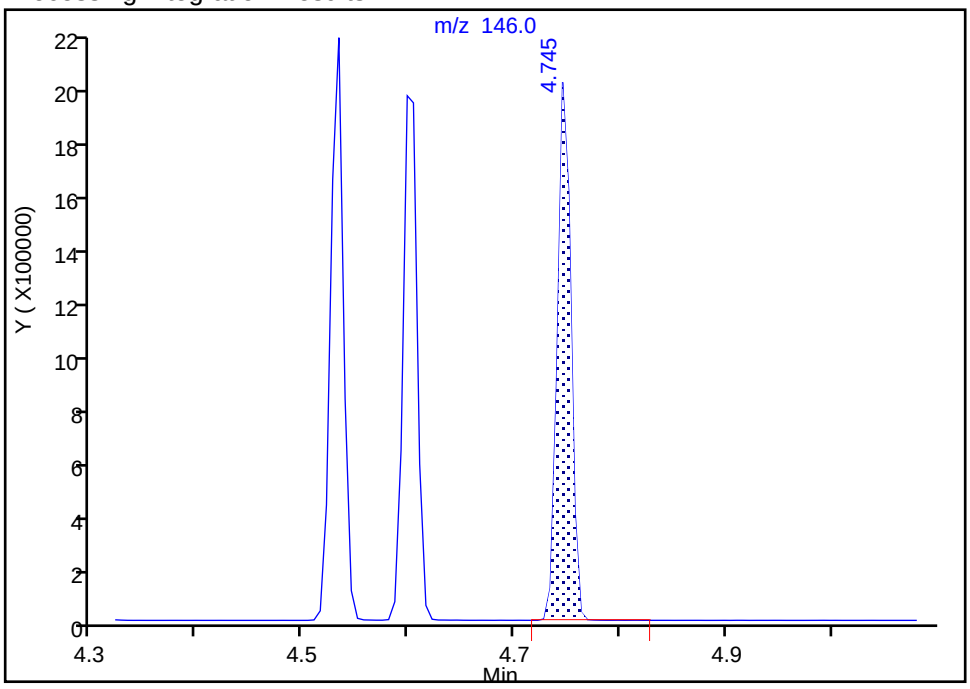
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0102.D
Injection Date: 01-May-2025 10:11:30 Instrument ID: HP18831
Lims ID: IC L8
Client ID:
Operator ID: CJS101602 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

24 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

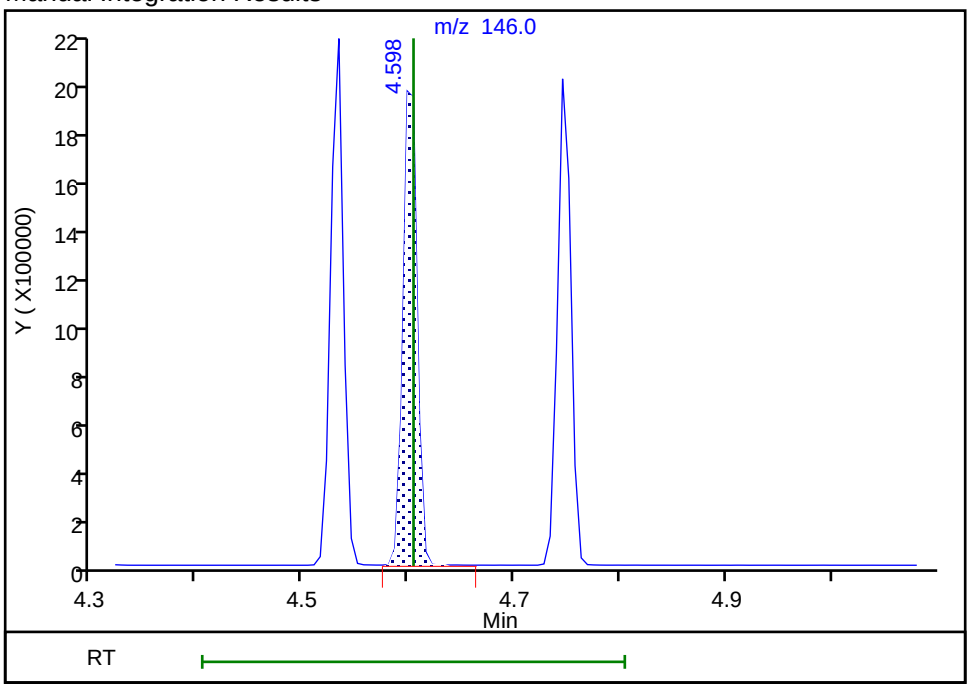
Processing Integration Results

RT: 4.75
Area: 1790020
Amount: 30.647795
Amount Units: ug/ml



Manual Integration Results

RT: 4.60
Area: 1857125
Amount: 30.421865
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:04:56 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

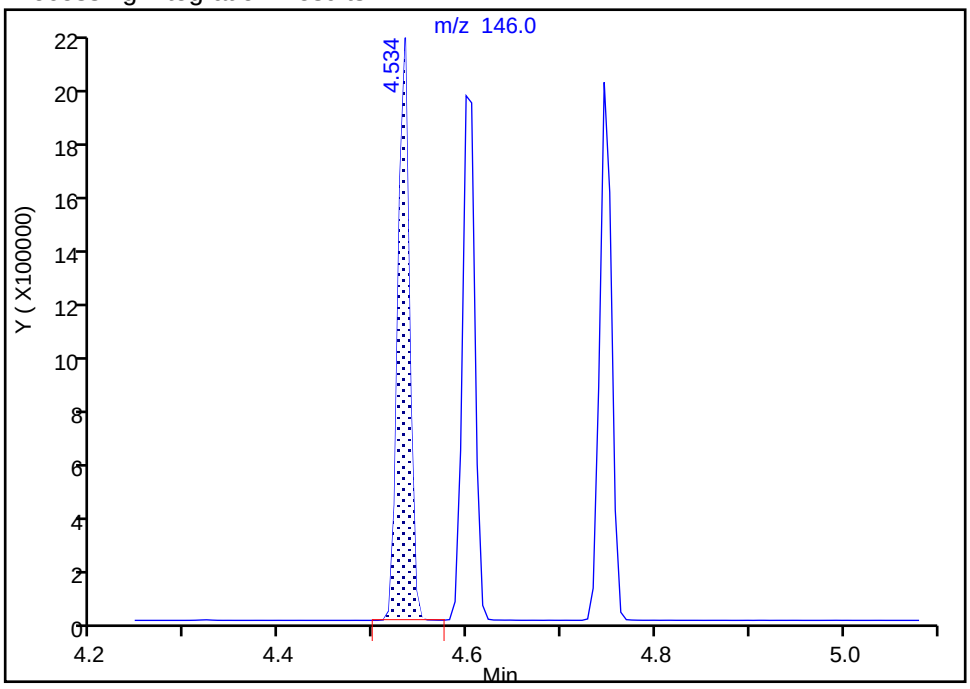
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0102.D
Injection Date: 01-May-2025 10:11:30 Instrument ID: HP18831
Lims ID: IC L8
Client ID:
Operator ID: CJS101602 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

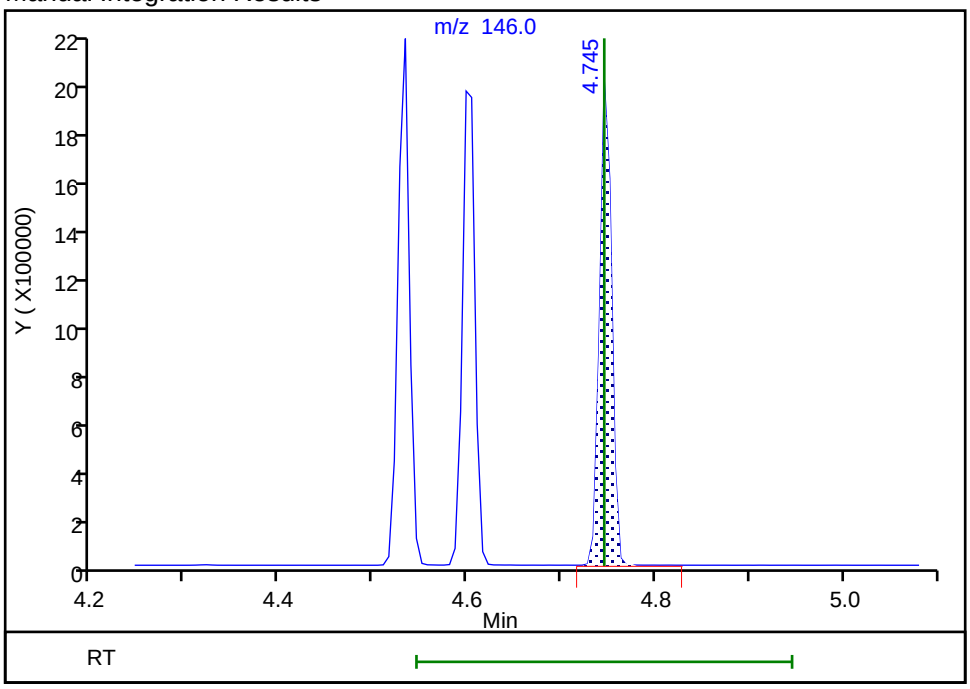
Processing Integration Results

RT: 4.53
Area: 1854905
Amount: 30.678940
Amount Units: ug/ml



Manual Integration Results

RT: 4.75
Area: 1790020
Amount: 30.647834
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:05:14 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

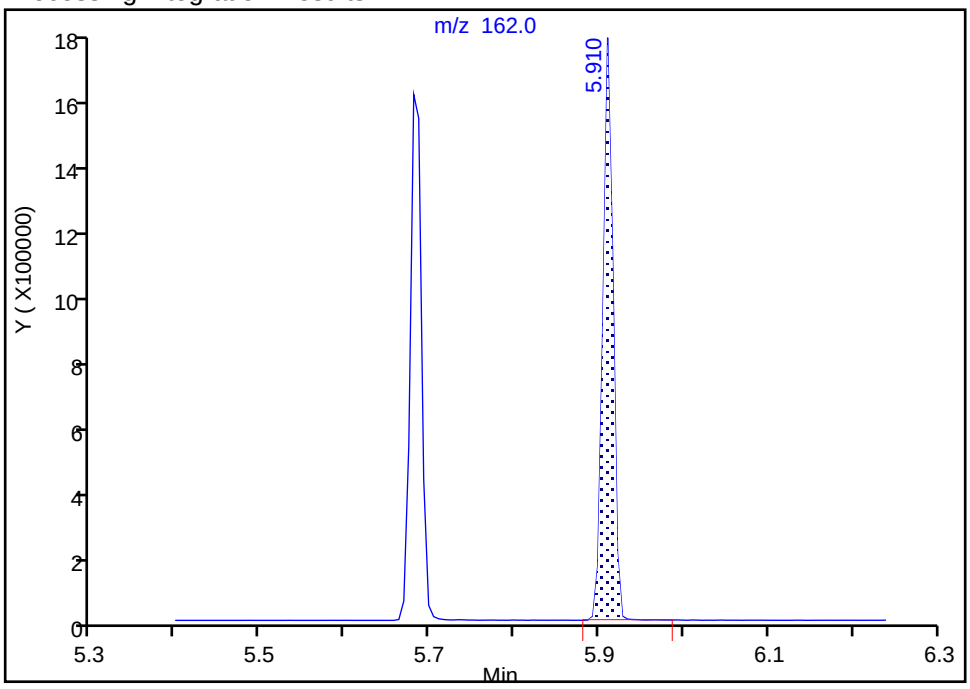
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0102.D				
Injection Date:	01-May-2025 10:11:30	Instrument ID:	HP18831		
Lims ID:	IC L8				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

52 2,4-Dichlorophenol, CAS: 120-83-2

Signal: 1

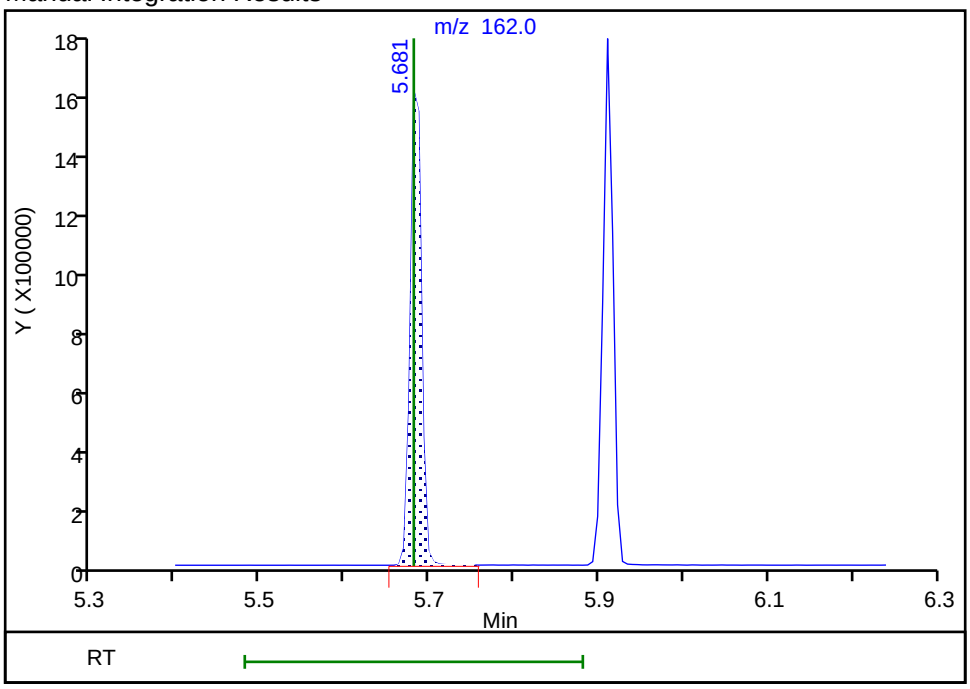
Processing Integration Results

RT: 5.91
Area: 1473481
Amount: 33.085882
Amount Units: ug/ml



Manual Integration Results

RT: 5.68
Area: 1484659
Amount: 33.697091
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:11:24 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

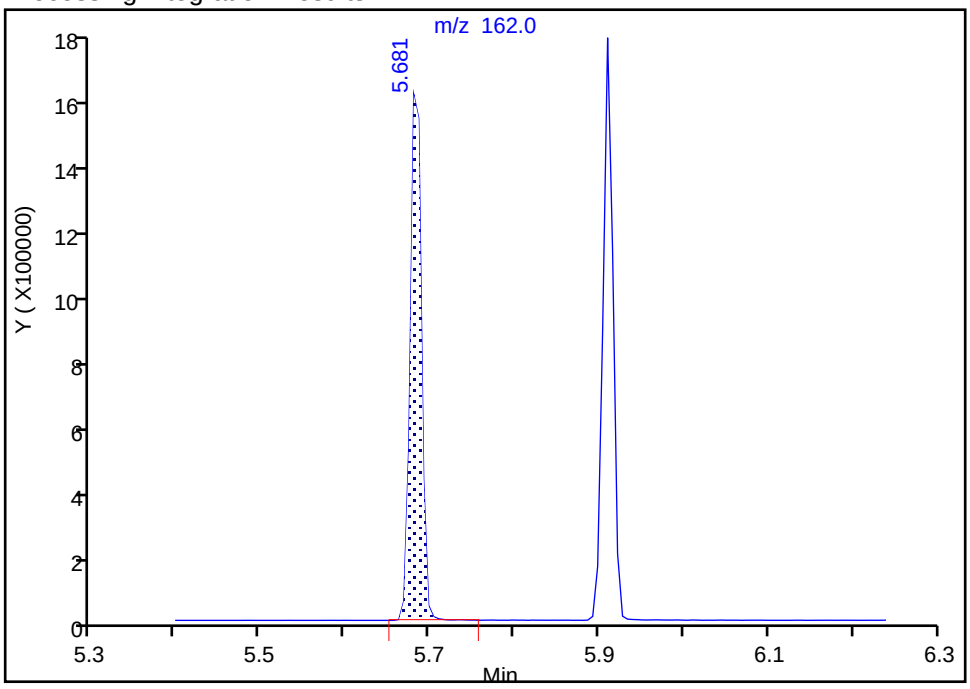
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0102.D
Injection Date: 01-May-2025 10:11:30 Instrument ID: HP18831
Lims ID: IC L8
Client ID:
Operator ID: CJS101602 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

58 2,6-Dichlorophenol, CAS: 87-65-0

Signal: 1

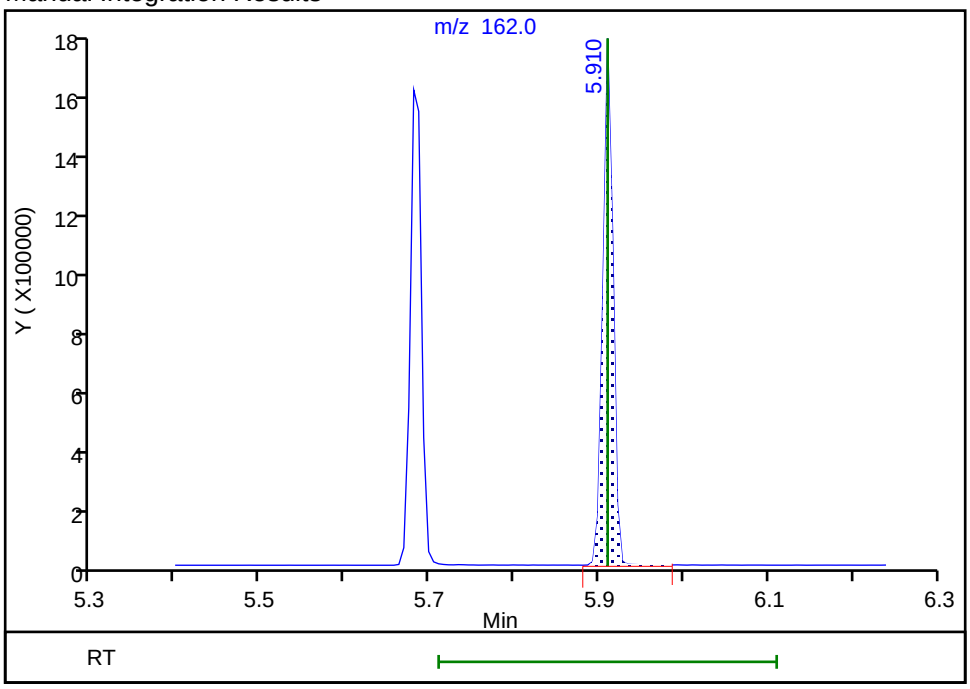
Processing Integration Results

RT: 5.68
Area: 1484659
Amount: 34.054216
Amount Units: ug/ml



Manual Integration Results

RT: 5.91
Area: 1473481
Amount: 32.740736
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:11:17 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

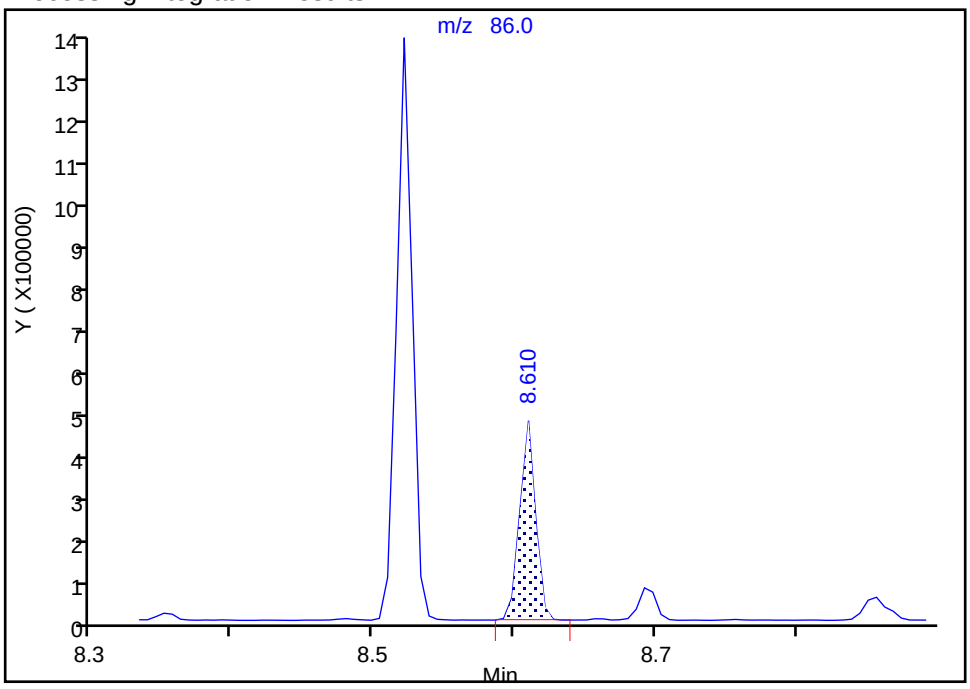
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0102.D				
Injection Date:	01-May-2025 10:11:30	Instrument ID:	HP18831		
Lims ID:	IC L8				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

119 trans-Diallate, CAS: 17708-58-6

Signal: 1

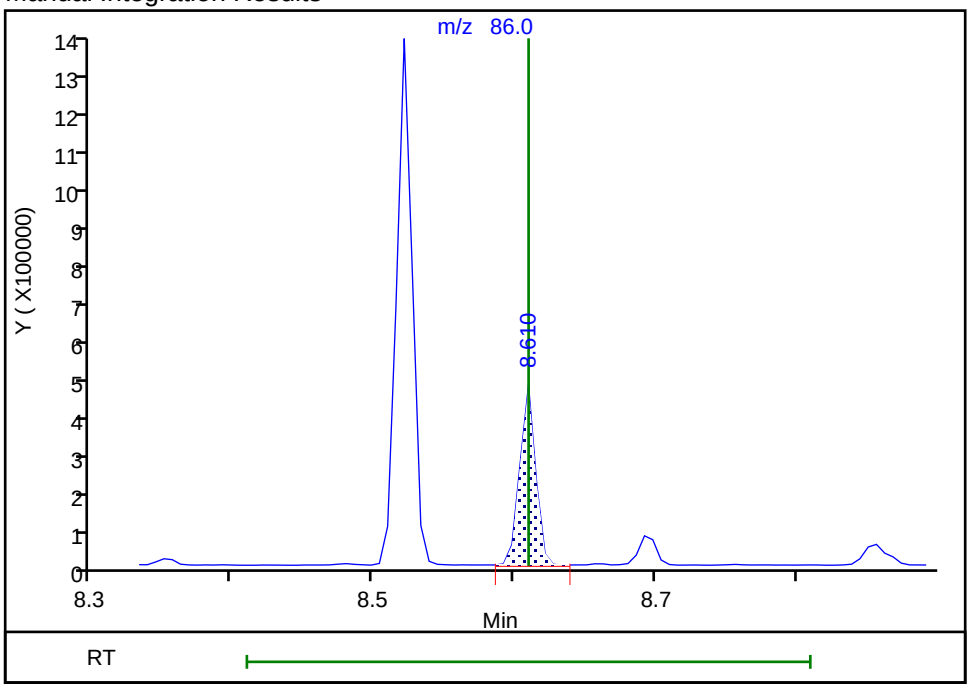
Processing Integration Results

RT: 8.61
Area: 355837
Amount: 5.251754
Amount Units: ug/ml



Manual Integration Results

RT: 8.61
Area: 355837
Amount: 7.357755
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 15:11:19 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

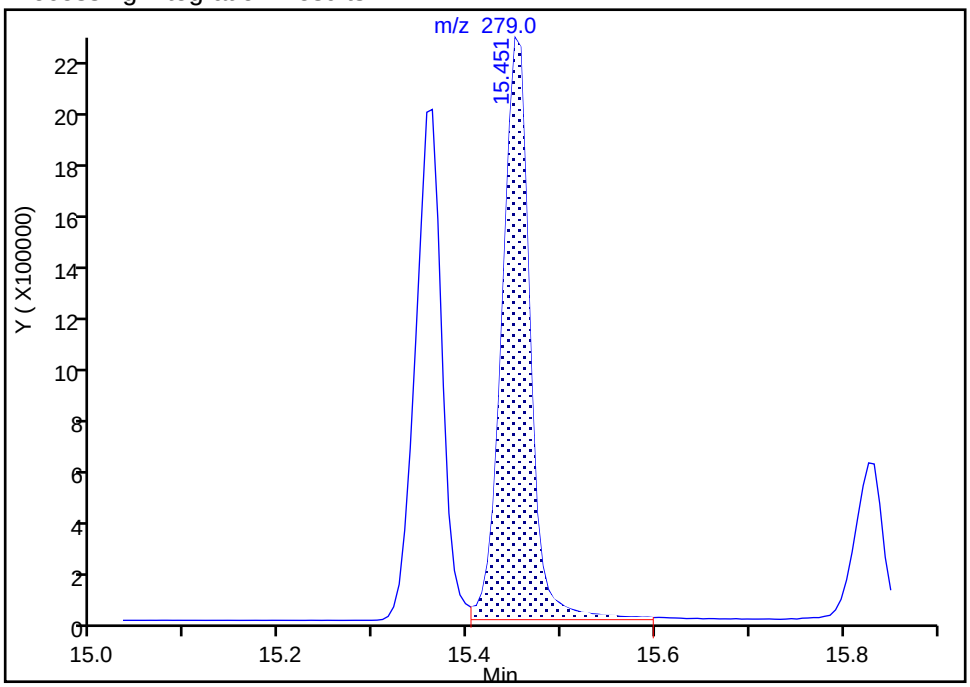
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0102.D				
Injection Date:	01-May-2025 10:11:30	Instrument ID:	HP18831		
Lims ID:	IC L8				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

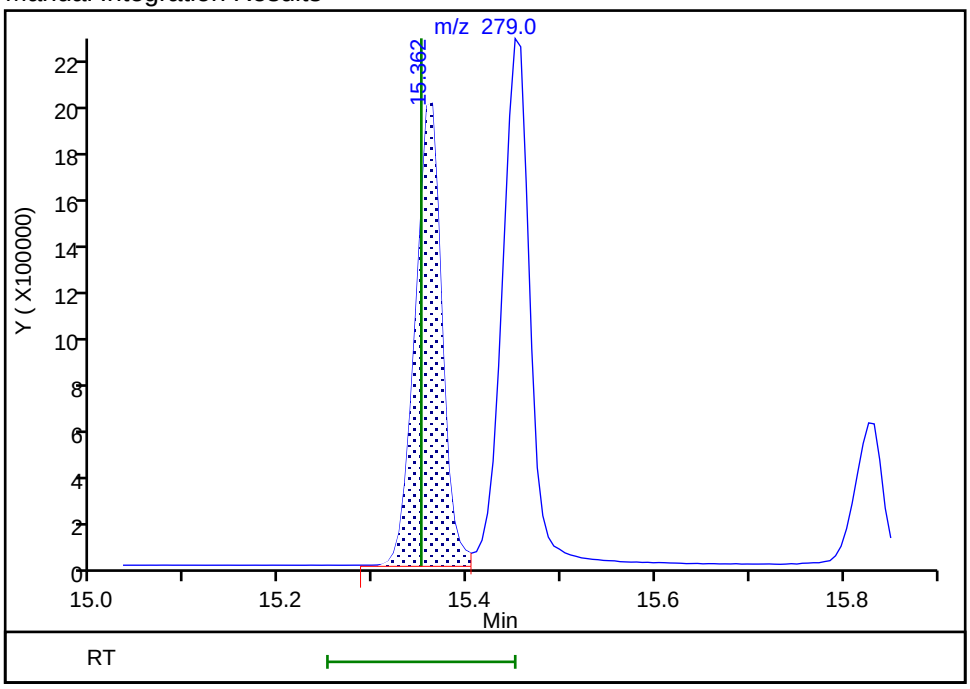
Processing Integration Results

RT: 15.45
Area: 4658498
Amount: 33.636120
Amount Units: ug/ml



Manual Integration Results

RT: 15.36
Area: 3854071
Amount: 31.928541
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 19:50:31 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

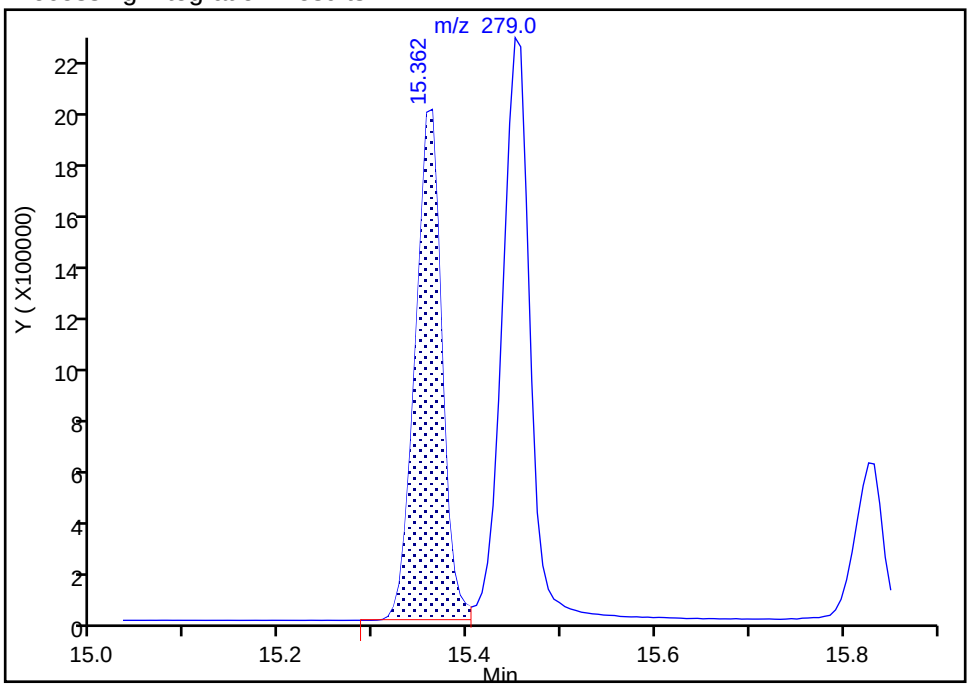
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0102.D
Injection Date: 01-May-2025 10:11:30 Instrument ID: HP18831
Lims ID: IC L8
Client ID:
Operator ID: CJS101602 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

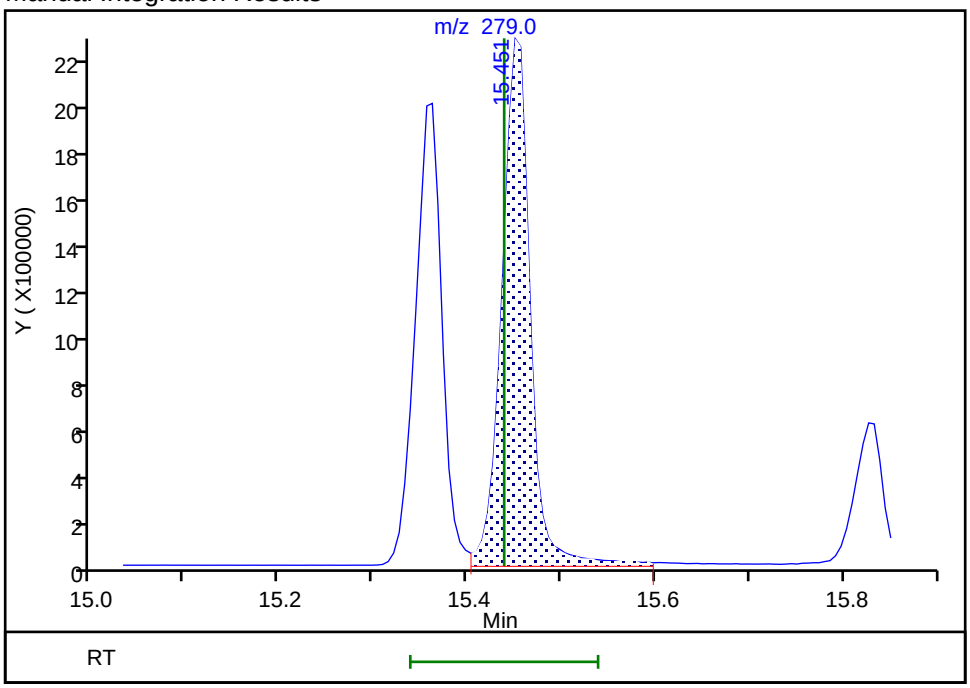
RT: 15.36
Area: 3854071
Amount: 31.459334
Amount Units: ug/ml

Processing Integration Results



RT: 15.45
Area: 4658498
Amount: 32.858321
Amount Units: ug/ml

Manual Integration Results



Reviewer: WH7Z, 01-May-2025 19:50:36 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0103.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 01-May-2025 10:33:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0145811-004
Operator ID: CJS101602 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub64

Method: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-May-2025 21:48:35 Calib Date: 01-May-2025 12:22:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

First Level Reviewer: WH7Z Date: 01-May-2025 16:19:13

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	2.216	2.216	0.000	94	302451	20.0	19.7	
	2 N-Nitrosodimethylamine	74	2.399	2.399	0.000	93	458451	20.0	19.5	
	3 Pyridine	79	2.440	2.440	0.000	98	1565981	40.0	41.3	
	4 Dimethylformamide	73	2.663	2.663	0.000	95	496763	20.0	21.7	
	5 2-Picoline	93	2.946	2.946	0.000	96	766458	20.0	20.2	
	6 N-Nitrosomethylethylamine	88	3.016	3.016	0.000	94	321818	20.0	19.5	
	9 Methyl methanesulfonate	80	3.252	3.246	0.006	86	386321	20.0	19.2	
$	10 2-Fluorophenol	112	3.393	3.393	0.000	91	1561137	40.0	42.0	
	11 N-Nitrosodiethylamine	102	3.593	3.593	0.000	95	332766	20.0	20.5	
	13 Ethyl methanesulfonate	109	3.846	3.846	0.000	98	380098	20.0	19.5	
	15 Benzaldehyde	77	4.175	4.169	0.006	94	403085	20.0	12.7	
$	16 Phenol-d5	99	4.204	4.204	0.000	99	1946070	40.0	42.8	
	17 Phenol	94	4.216	4.216	0.000	97	969165	20.0	20.9	
	18 Aniline	93	4.269	4.263	0.006	98	1174830	20.0	20.9	
	19 Bis(2-chloroethyl)ether	93	4.322	4.322	0.000	93	782313	20.0	20.2	
	20 2-Chlorophenol	128	4.381	4.381	0.000	96	828627	20.0	21.1	
	22 1,3-Dichlorobenzene	146	4.534	4.534	0.000	99	953122	20.0	20.5	
*	23 1,4-Dichlorobenzene-d4	152	4.587	4.587	0.000	94	151777	5.00	5.00	
	24 1,4-Dichlorobenzene	146	4.604	4.604	0.000	96	969470	20.0	20.6	
	26 Benzyl alcohol	108	4.704	4.698	0.006	95	521816	20.0	20.9	
	27 1,2-Dichlorobenzene	146	4.751	4.745	0.006	98	925729	20.0	20.6	
	30 2-Methylphenol	108	4.804	4.798	0.006	95	724028	20.0	21.2	
	32 2,2'-oxybis[1-chloropropane]	45	4.840	4.840	0.000	92	907985	20.0	20.4	
	33 N-Nitrosopyrrolidine	100	4.940	4.934	0.006	94	364262	20.0	21.0	
	36 4-Methylphenol	108	4.951	4.951	0.000	98	768413	20.0	21.0	
	25 alpha,alpha-Dimethyl phenethylam	58		4.963				ND	ND	U
	34 Acetophenone	105	4.969	4.963	0.006	93	1161927	20.0	19.7	
	35 N-Nitrosodi-n-propylamine	70	4.963	4.963	0.000	84	551239	20.0	19.9	
	37 N-Nitrosomorpholine	56	4.975	4.975	0.000	92	405702	20.0	19.1	
	38 2-Toluidine	106	4.998	4.998	0.000	96	1146570	20.0	20.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Hexachloroethane	117	5.081	5.081	0.000	92	373585	20.0	19.7	
$ 41 Nitrobenzene-d5	82	5.116	5.116	0.000	88	1681001	40.0	42.1	
42 Nitrobenzene	77	5.134	5.134	0.000	86	800149	20.0	19.1	
43 N-Nitrosopiperidine	114	5.281	5.275	0.006	88	360455	20.0	21.1	
45 Isophorone	82	5.369	5.369	0.000	99	1485476	20.0	21.0	
46 2-Nitrophenol	139	5.445	5.445	0.000	93	440526	20.0	22.6	
48 2,4-Dimethylphenol	107	5.481	5.481	0.000	95	808404	20.0	21.1	
49 o,o',o''-Triethylphosphorothioat	198	5.557	5.557	0.000	77	455961	20.0	21.8	
51 Bis(2-chloroethoxy)methane	93	5.581	5.581	0.000	99	938392	20.0	20.5	
52 2,4-Dichlorophenol	162	5.681	5.681	0.000	91	738642	20.0	22.0	a
53 1,2,4-Trichlorobenzene	180	5.775	5.775	0.000	94	818568	20.0	20.7	
* 54 Naphthalene-d8	136	5.834	5.834	0.000	99	582674	5.00	5.00	
55 Naphthalene	128	5.851	5.851	0.000	97	2470382	20.0	20.5	
29 Alpha-Terpineol	59	5.863	5.857	0.006	95	610636	20.0	21.2	
57 4-Chloroaniline	127	5.898	5.898	0.000	97	1054383	20.0	21.3	
58 2,6-Dichlorophenol	162	5.910	5.910	0.000	98	737477	20.0	21.5	a
59 Hexachloropropene	213	5.945	5.945	0.000	88	516473	20.0	21.8	
60 Hexachlorobutadiene	225	5.981	5.981	0.000	95	502916	20.0	21.2	
62 Quinoline	129	6.181	6.181	0.000	98	1521640	20.0	20.0	
63 Caprolactam	113	6.222	6.222	0.000	79	218972	20.0	20.9	
64 N-Nitrosodi-n-butylamine	84	6.240	6.239	0.001	92	631191	20.0	24.7	
39 p-Phenylene diamine	108	6.245	6.245	0.000	97	830594	20.0	22.2	
66 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	96	680144	20.0	21.7	
67 Safrole, Total	162	6.451	6.451	0.000	94	657374	20.0	21.3	
68 2-Methylnaphthalene	142	6.540	6.539	0.001	91	1485119	20.0	20.7	
69 1-Methylnaphthalene	142	6.640	6.639	0.001	92	1549046	20.0	20.6	
71 Hexachlorocyclopentadiene	237	6.704	6.698	0.006	94	643508	20.0	22.7	
72 1,2,4,5-Tetrachlorobenzene	216	6.710	6.704	0.006	97	855183	20.0	21.3	
73 Isosafrole Peak 1	162	6.745	6.745	0.000	95	114446	3.20	3.25	
74 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	82	572135	20.0	21.9	
75 2,4,5-Trichlorophenol	196	6.851	6.851	0.000	95	620351	20.0	22.1	
$ 76 2-Fluorobiphenyl (Surr)	172	6.910	6.904	0.006	99	4093342	40.0	42.1	
77 Isosafrole Peak 2	162	6.969	6.969	0.000	96	655191	16.8	17.5	
78 1,1'-Biphenyl	154	7.004	7.004	0.000	96	2091736	20.0	20.4	
79 2-Chloronaphthalene	162	7.028	7.022	0.006	94	1761123	20.0	22.0	M
80 1-Chloronaphthalene	162	7.045	7.045	0.000	99	1382569	20.0	18.5	Ma
81 Phenyl ether	170	7.110	7.110	0.000	88	1231218	20.0	20.8	
82 2-Nitroaniline	138	7.116	7.116	0.000	90	522197	20.0	22.6	
84 1,4-Naphthoquinone	158	7.192	7.192	0.000	94	603913	20.0	22.7	
85 1,4-Dinitrobenzene	168	7.251	7.251	0.000	92	246332	20.0	22.6	
86 Dimethyl phthalate	163	7.304	7.304	0.000	99	1888289	20.0	20.9	
87 1,3-Dinitrobenzene	168	7.328	7.328	0.000	94	295151	20.0	21.4	
88 2,6-Dinitrotoluene	165	7.357	7.357	0.000	96	406387	20.0	22.1	
89 Acenaphthylene	152	7.434	7.434	0.000	98	2581386	20.0	21.4	
90 3-Nitroaniline	138	7.522	7.522	0.000	97	476456	20.0	22.3	
* 91 Acenaphthene-d10	164	7.575	7.575	0.000	94	336701	5.00	5.00	
93 Acenaphthene	153	7.610	7.610	0.000	95	1694970	20.0	20.7	
94 2,4-Dinitrophenol	184	7.628	7.628	0.000	88	535035	40.0	40.4	
95 4-Nitrophenol	109	7.681	7.675	0.006	87	520303	40.0	44.5	
96 Pentachlorobenzene	250	7.739	7.739	0.000	98	734278	20.0	20.5	
98 2,4-Dinitrotoluene	165	7.757	7.757	0.000	95	569679	20.0	22.8	
97 Dibenzofuran	168	7.781	7.781	0.000	96	2343692	20.0	20.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	7.851	7.851	0.000	99	1584940	20.0	21.7	
101 2,3,4,6-Tetrachlorophenol	232	7.898	7.892	0.006	71	531774	20.0	22.8	
103 2-Naphthylamine	143	7.928	7.928	0.000	97	1639075	20.0	21.0	
104 Diethyl phthalate	149	8.004	8.004	0.000	99	1901124	20.0	21.5	
106 Thionazin	107	8.086	8.086	0.000	81	253190	20.0	20.1	
105 Fluorene	166	8.116	8.116	0.000	94	1959018	20.0	21.2	
108 4-Chlorophenyl phenyl ether	204	8.122	8.116	0.006	88	983114	20.0	21.7	
107 N-Nitro-o-toluidine	152	8.122	8.122	0.000	83	516157	20.0	22.4	
109 4-Nitroaniline	138	8.122	8.122	0.000	86	512723	20.0	22.4	
110 4,6-Dinitro-2-methylphenol	198	8.157	8.157	0.000	91	736126	40.0	44.2	
111 N-Nitrosodiphenylamine	169	8.234	8.228	0.006	63	1379168	17.0	17.7	
112 1,2-Diphenylhydrazine	77	8.275	8.275	0.000	97	1745233	20.0	19.5	
$ 113 2,4,6-Tribromophenol	330	8.351	8.351	0.000	92	798100	40.0	45.3	
114 Sulfotepp	97	8.392	8.392	0.000	85	279609	20.0	20.3	
172 1,3,5-Trinitrobenzene	213	8.475	8.475	0.000	85	187898	20.0	22.8	
115 cis-Diallate	86	8.522	8.522	0.000	90	498305	14.8	13.8	
117 Phenacetin	108	8.528	8.528	0.000	96	838148	20.0	21.7	
116 Phorate	75	8.528	8.528	0.000	95	983148	20.0	21.6	
118 4-Bromophenyl phenyl ether	248	8.598	8.598	0.000	64	575734	20.0	20.5	
119 trans-Diallate	86	8.610	8.610	0.000	94	170085	5.20	4.98	
120 Hexachlorobenzene	284	8.657	8.657	0.000	96	703420	20.0	20.2	
121 Dimethoate	87	8.686	8.686	0.000	93	592980	20.0	21.3	
122 Atrazine	200	8.757	8.757	0.000	95	549073	20.0	21.5	
123 Pentachlorophenol	266	8.851	8.851	0.000	93	949847	40.0	44.8	
125 4-Aminobiphenyl	169	8.851	8.851	0.000	90	2168066	20.0	21.0	
124 Pentachloronitrobenzene	237	8.863	8.863	0.000	89	271230	20.0	22.1	
126 Pronamide	173	8.910	8.910	0.000	89	824687	20.0	21.2	
128 Dinoseb	211	9.028	9.028	0.000	97	468861	20.0	19.6	
* 127 Phenanthrene-d10	188	9.039	9.039	0.000	94	672941	5.00	5.00	
70 Disulfoton	88	9.045	9.045	0.000	94	838640	20.0	17.7	M
S 56 Dinitrotoluene	165				0		40.0	44.9	
129 Phenanthrene	178	9.063	9.063	0.000	96	2795602	20.0	19.7	
130 Anthracene	178	9.116	9.116	0.000	97	2882574	20.0	20.6	
131 Carbazole	167	9.269	9.269	0.000	96	2656819	20.0	20.9	
132 Methyl parathion	109	9.404	9.404	0.000	94	539062	20.0	22.2	
133 Di-n-butyl phthalate	149	9.616	9.616	0.000	100	2995260	20.0	21.4	
S 65 Diallate	86				0		20.0	18.8	
134 Ethyl Parathion	109	9.792	9.792	0.000	86	334400	20.0	22.7	
135 4-Nitroquinoline-1-oxide	190	9.816	9.816	0.000	86	224573	20.0	19.1	
136 Octachlorostyrene	308	10.045	10.045	0.000	91	282216	20.0	20.7	
137 Isodrin	193	10.092	10.092	0.000	94	309688	20.0	19.4	
138 Fluoranthene	202	10.239	10.239	0.000	97	3136242	20.0	21.5	
139 Benzidine	184	10.369	10.369	0.000	99	6450408	60.0	64.2	
* 140 Pyrene-d10 (IS)	212	10.451	10.451	0.000	98	660988	5.00	5.00	
141 Pyrene	202	10.475	10.475	0.001	98	3305907	20.0	20.2	
$ 142 p-Terphenyl-d14	244	10.639	10.633	0.006	100	4930525	40.0	44.0	
143 p-Dimethylamino azobenzene	225	10.786	10.786	0.000	91	582506	20.0	22.4	
144 Chlorobenzilate	139	10.839	10.839	0.000	91	870143	20.0	22.0	
100 Famphur	218		11.121				ND	ND	U
145 3,3'-Dimethylbenzidine	212	11.169	11.169	0.000	99	1582752	20.0	21.2	
146 Butyl benzyl phthalate	149	11.192	11.192	0.000	96	1330194	20.0	21.4	
147 2-Acetylaminofluorene	181	11.475	11.474	0.000	93	990197	20.0	21.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 92 Aramite, Total	185		11.583				20.0	ND	
149 3,3'-Dichlorobenzidine	252	11.851	11.851	0.000	75	1303278	20.0	20.8	
150 4,4'-Methylene bis(2-chloroanil	231	11.857	11.863	-0.006	96	576278	20.0	22.2	
148 Benzo[a]anthracene	228	11.886	11.886	0.000	98	3070961	20.0	21.9	
151 Chrysene	228	11.933	11.939	-0.006	96	3058082	20.0	21.7	
152 Bis(2-ethylhexyl) phthalate	149	11.945	11.945	0.000	95	1997376	20.0	21.9	
153 6-Methylchrysene	242	12.563	12.563	0.000	98	1957716	20.0	21.4	
154 Di-n-octyl phthalate	149	12.880	12.886	-0.006	98	2825960	20.0	19.7	
156 7,12-Dimethylbenz(a)anthracene	256	13.410	13.410	0.000	89	1247611	20.0	22.3	
155 Benzo[b]fluoranthene	252	13.410	13.410	0.000	97	2993832	20.0	23.1	
157 Benzo[k]fluoranthene	252	13.457	13.451	0.006	98	3082568	20.0	22.5	
158 Benzo[a]pyrene	252	13.892	13.892	0.000	76	2663549	20.0	22.7	
* 159 Perylene-d12	264	13.974	13.974	0.000	99	547923	5.00	5.00	
160 3-Methylcholanthrene	268	14.433	14.433	0.000	91	1278264	20.0	22.0	
161 Dibenz[a,h]acridine	279	15.351	15.351	0.000	90	1817071	20.0	22.3	a
162 Dibenz[a,j]acridine	279	15.445	15.439	0.006	96	2200714	20.0	23.0	a
163 Indeno[1,2,3-cd]pyrene	276	15.768	15.768	0.000	99	2409535	20.0	22.4	
164 Dibenz(a,h)anthracene	278	15.815	15.821	-0.006	92	2542622	20.0	22.5	
165 Benzo[g,h,i]perylene	276	16.292	16.292	0.000	98	2416595	20.0	21.8	
S 166 Isosafrole	162				0		20.0	20.8	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_7_00043 Amount Added: 1.00 Units: mL

Report Date: 01-May-2025 21:48:36 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0103.D

Injection Date: 01-May-2025 10:33:30 Instrument ID: HP18831 Operator ID: CJS101602

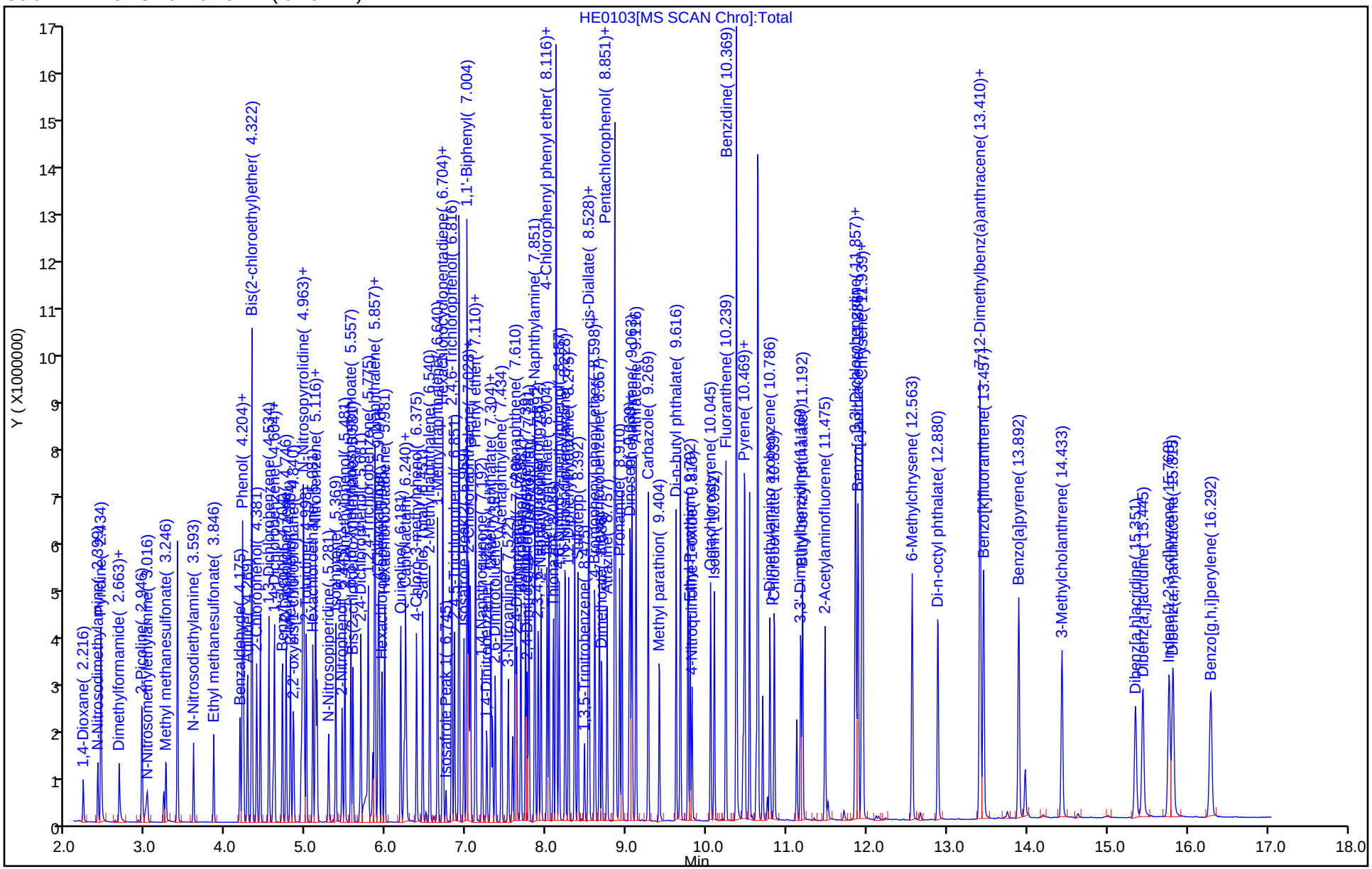
Lims ID: IC L7 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

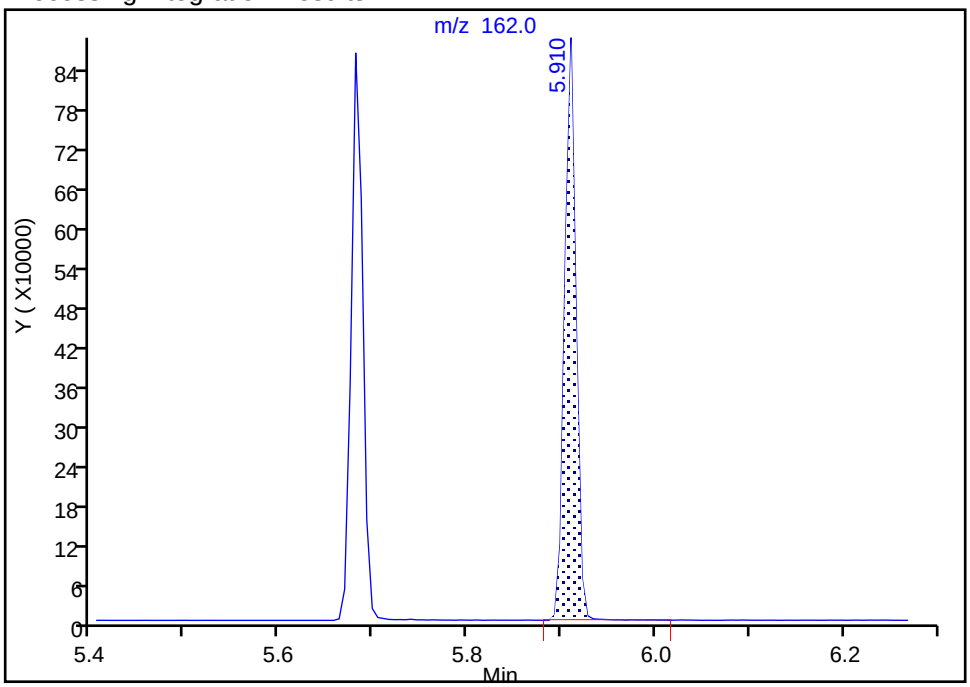
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0103.D				
Injection Date:	01-May-2025 10:33:30	Instrument ID:	HP18831		
Lims ID:	IC L7				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

52 2,4-Dichlorophenol, CAS: 120-83-2

Signal: 1

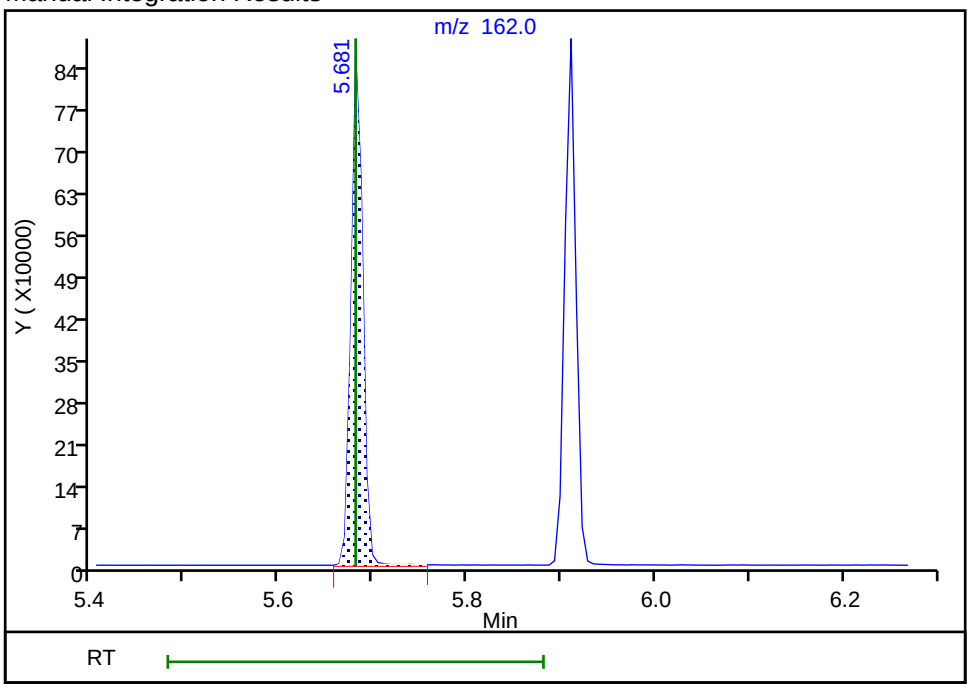
Processing Integration Results

RT: 5.91
Area: 737477
Amount: 21.739187
Amount Units: ug/ml



Manual Integration Results

RT: 5.68
Area: 738642
Amount: 22.031815
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:20:38 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

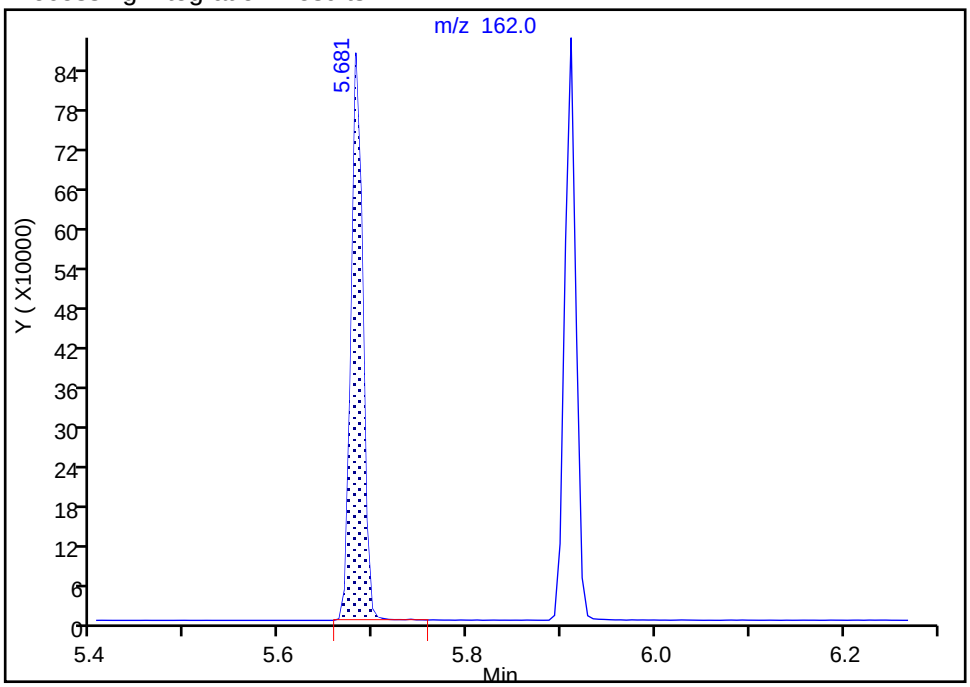
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0103.D				
Injection Date:	01-May-2025 10:33:30	Instrument ID:	HP18831		
Lims ID:	IC L7				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

58 2,6-Dichlorophenol, CAS: 87-65-0

Signal: 1

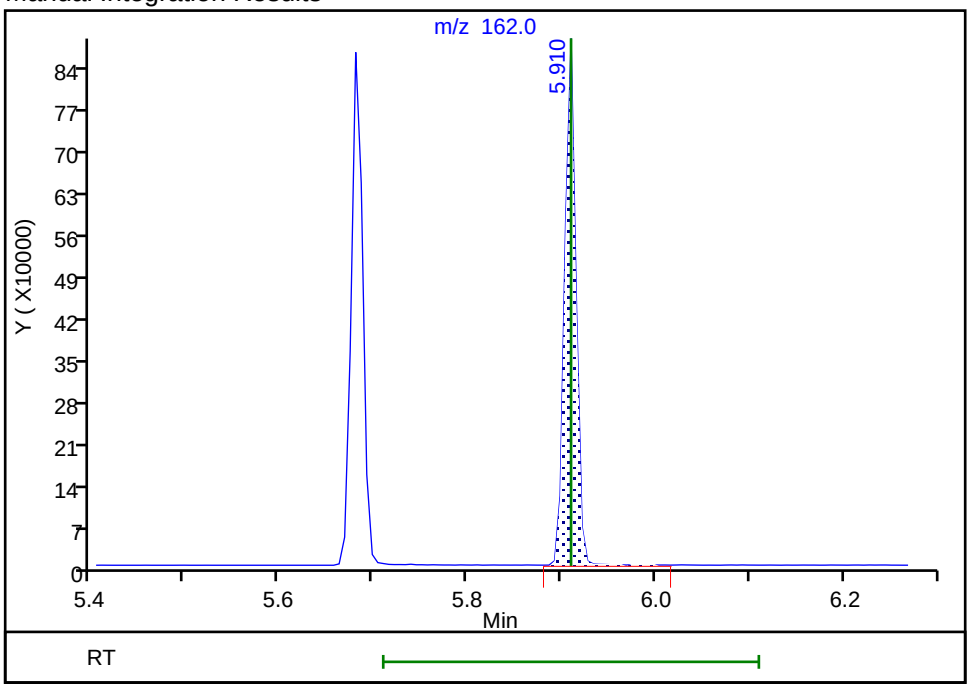
Processing Integration Results

RT: 5.68
Area: 738642
Amount: 22.289123
Amount Units: ug/ml



Manual Integration Results

RT: 5.91
Area: 737477
Amount: 21.534905
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:20:45 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

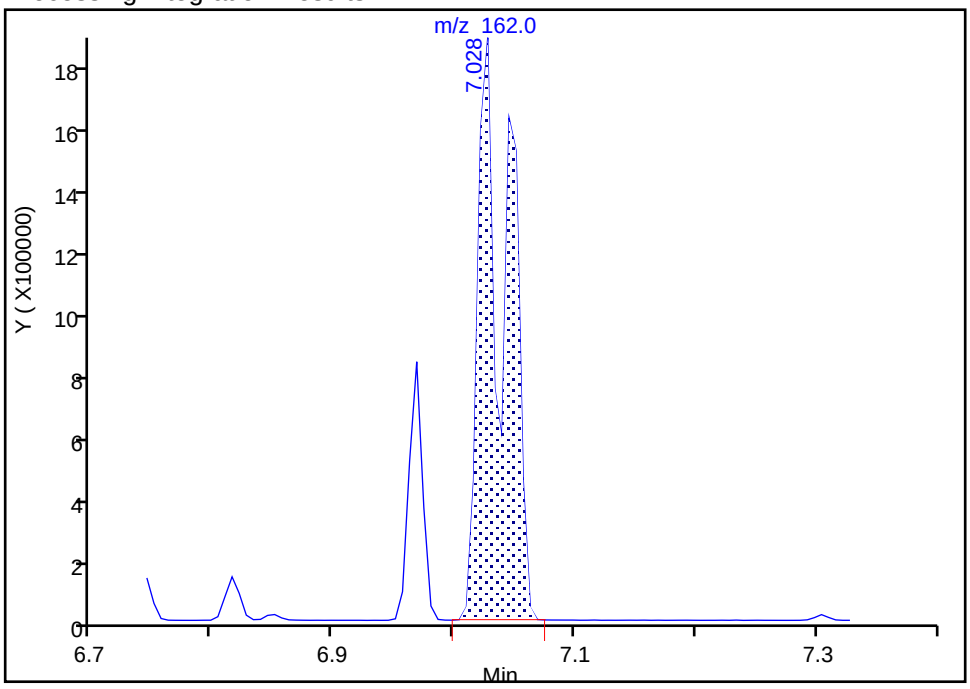
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0103.D
Injection Date: 01-May-2025 10:33:30 Instrument ID: HP18831
Lims ID: IC L7
Client ID:
Operator ID: CJS101602 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

79 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

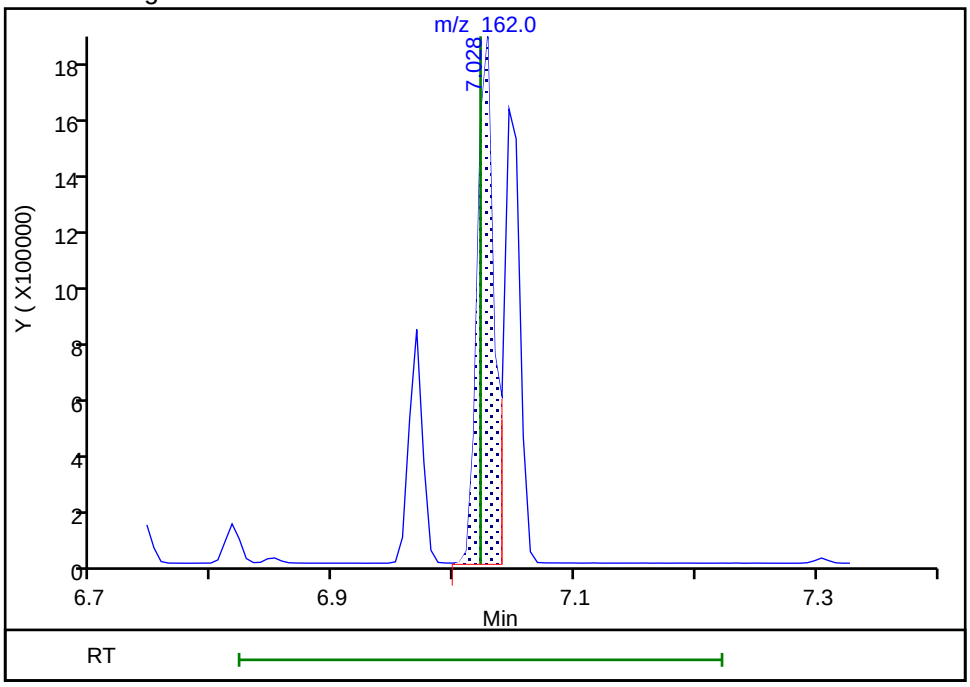
Processing Integration Results

RT: 7.03
Area: 3143693
Amount: 35.465931
Amount Units: ug/ml



Manual Integration Results

RT: 7.03
Area: 1761123
Amount: 22.014385
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:21:09 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

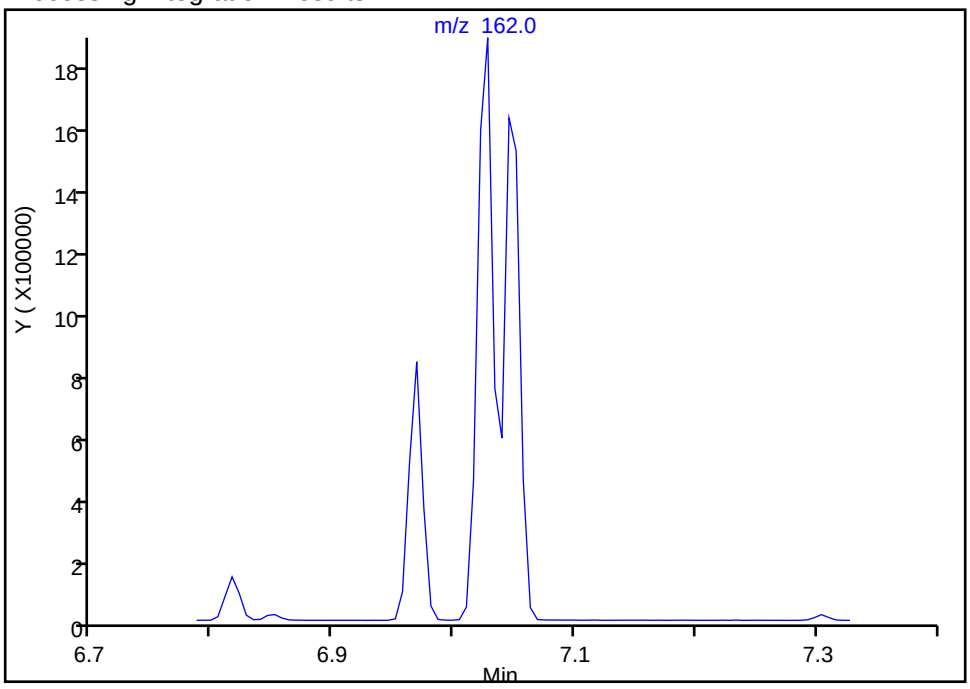
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0103.D				
Injection Date:	01-May-2025 10:33:30	Instrument ID:	HP18831		
Lims ID:	IC L7				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

80 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

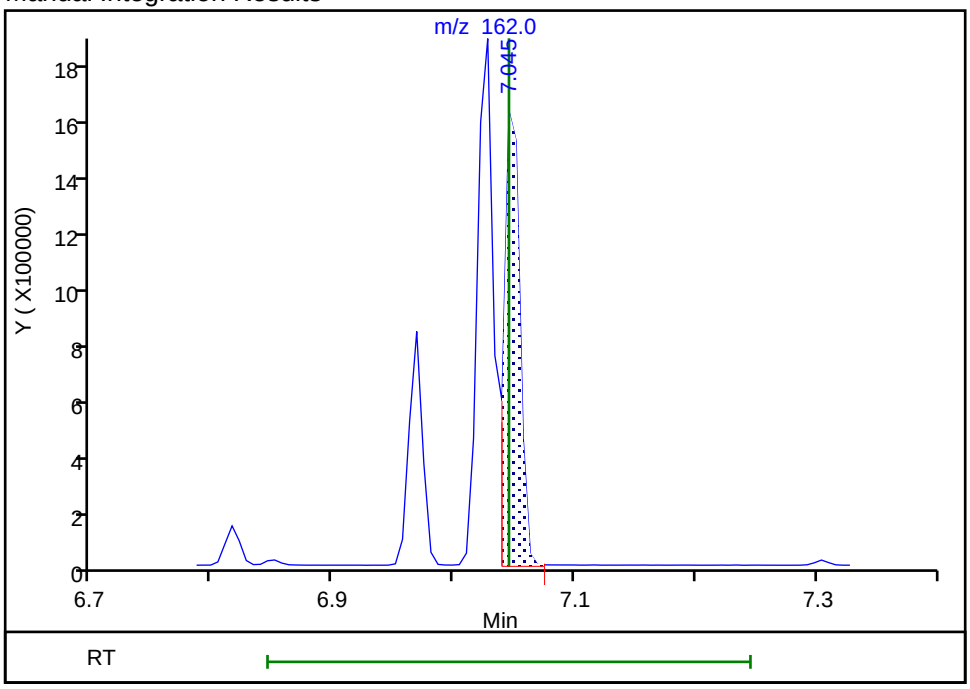
Not Detected
Expected RT: 7.05

Processing Integration Results



Manual Integration Results

RT: 7.05
Area: 1382569
Amount: 18.524281
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:21:18 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

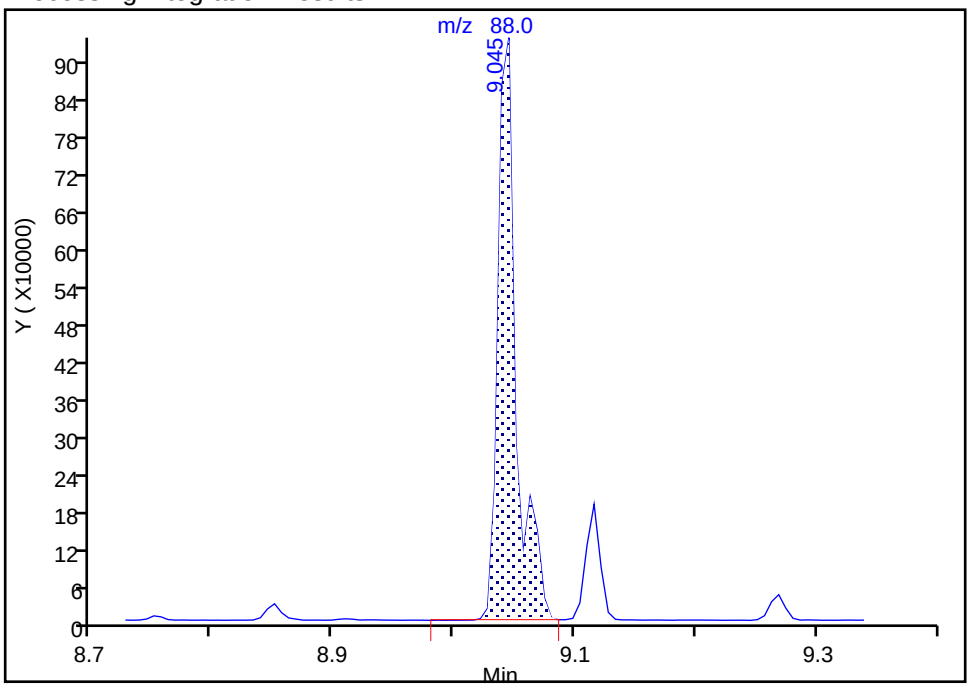
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0103.D
Injection Date: 01-May-2025 10:33:30 Instrument ID: HP18831
Lims ID: IC L7
Client ID:
Operator ID: CJS101602 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

70 Disulfoton, CAS: 298-04-4

Signal: 1

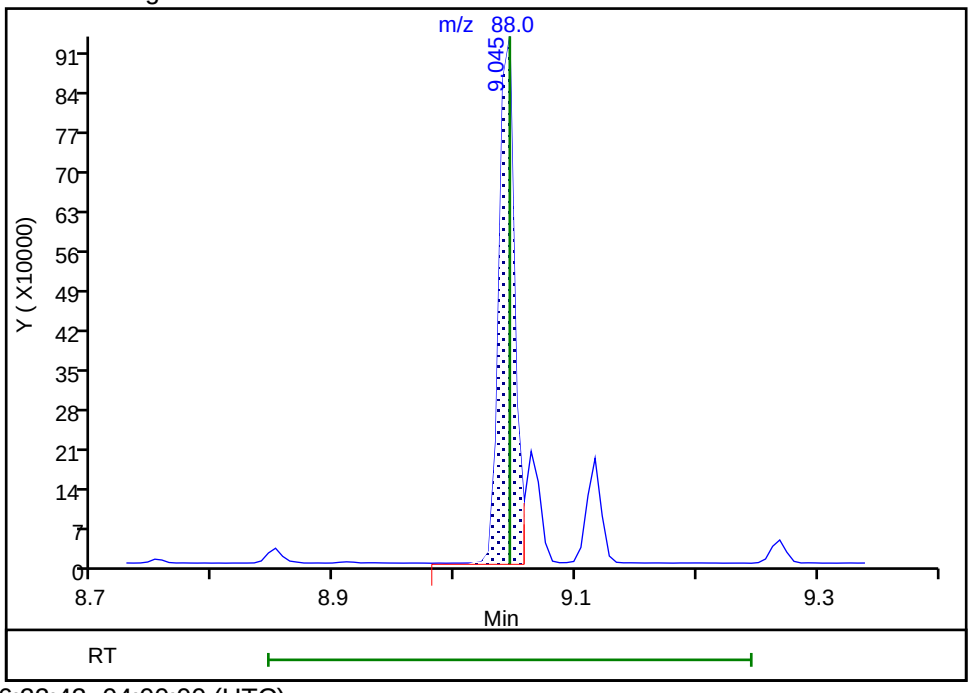
Processing Integration Results

RT: 9.05
Area: 992979
Amount: 21.295506
Amount Units: ug/ml



Manual Integration Results

RT: 9.05
Area: 838640
Amount: 17.711460
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:22:43 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

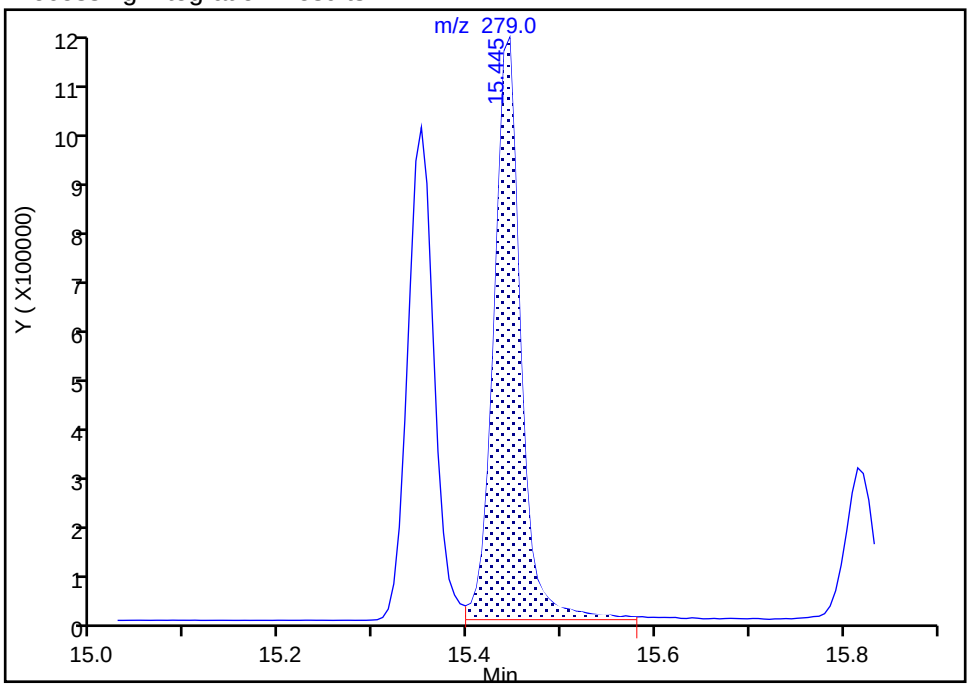
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0103.D				
Injection Date:	01-May-2025 10:33:30	Instrument ID:	HP18831		
Lims ID:	IC L7				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

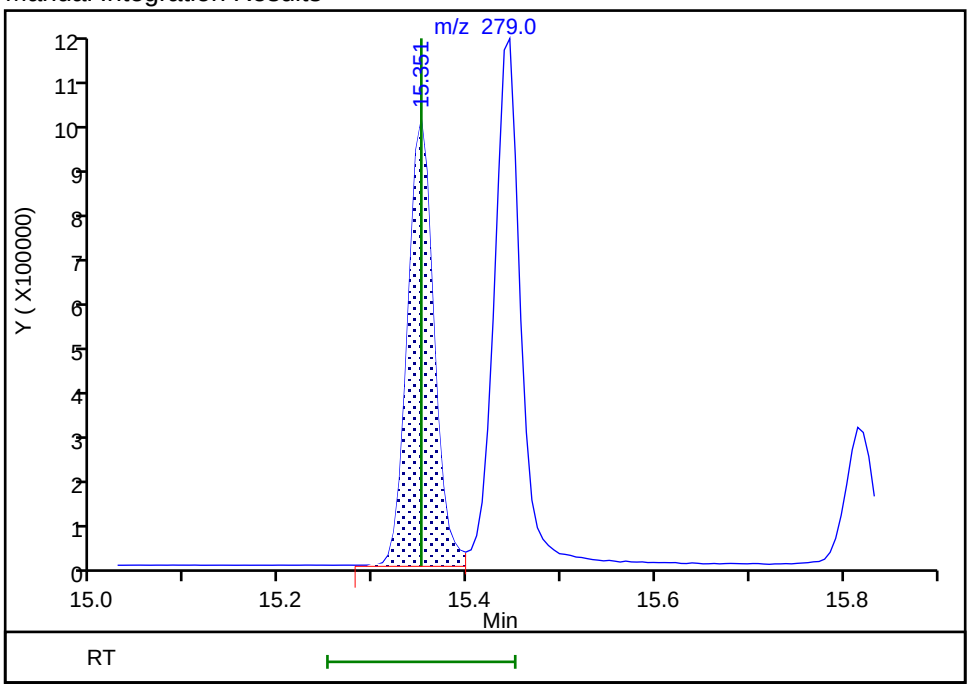
Processing Integration Results

RT: 15.44
Area: 2200714
Amount: 24.080378
Amount Units: ug/ml



Manual Integration Results

RT: 15.35
Area: 1817071
Amount: 22.260315
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 19:54:32 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

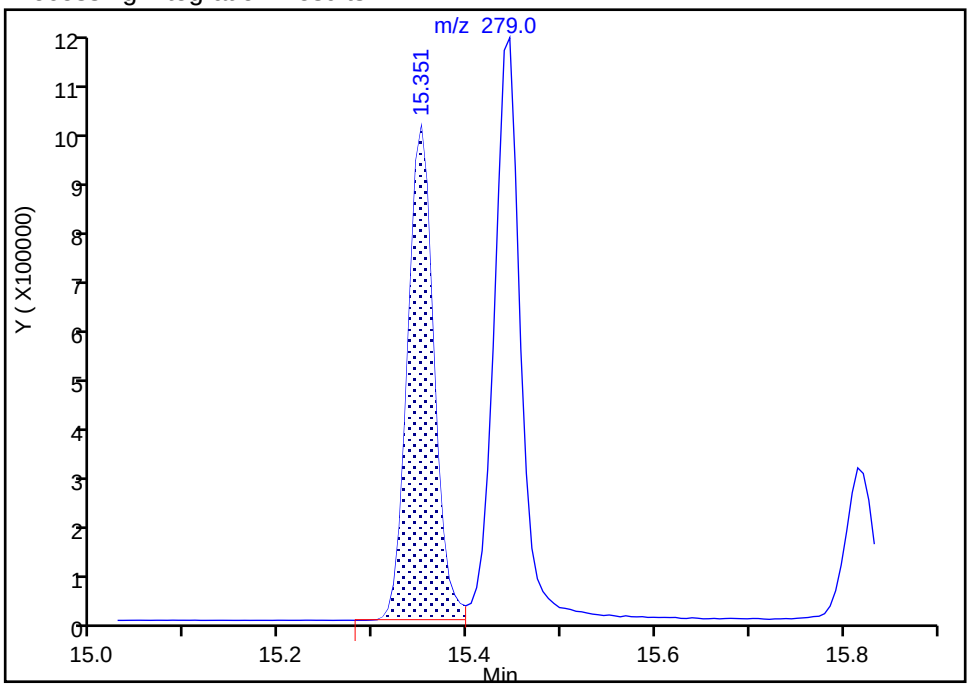
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0103.D				
Injection Date:	01-May-2025 10:33:30	Instrument ID:	HP18831		
Lims ID:	IC L7				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

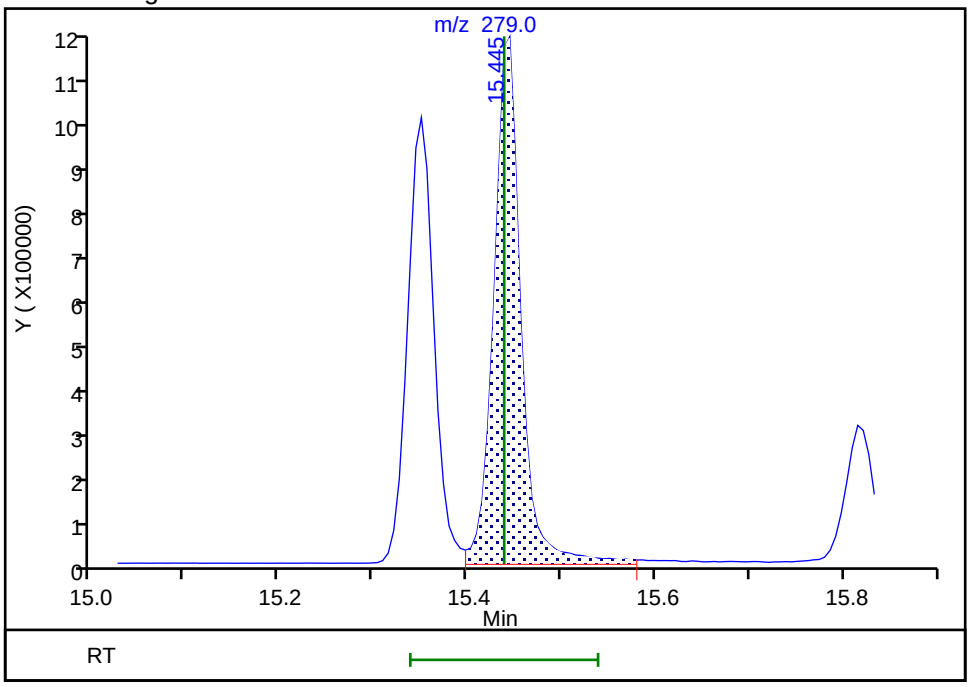
Processing Integration Results

RT: 15.35
Area: 1817071
Amount: 21.349092
Amount Units: ug/ml



Manual Integration Results

RT: 15.44
Area: 2200714
Amount: 22.954250
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 19:54:38 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0104.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 01-May-2025 10:55:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0145811-005
Operator ID: CJS101602 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub64

Method: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-May-2025 21:48:42 Calib Date: 01-May-2025 12:22:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

First Level Reviewer: WH7Z Date: 01-May-2025 16:27:05

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	2.216	2.216	0.000	94	137804	7.50	7.89	
	2 N-Nitrosodimethylamine	74	2.399	2.399	0.000	94	203141	7.50	7.59	
	3 Pyridine	79	2.440	2.440	0.000	98	684726	15.0	15.8	
	4 Dimethylformamide	73	2.669	2.669	0.000	95	213944	7.50	8.18	
	5 2-Picoline	93	2.951	2.951	0.000	95	334794	7.50	7.74	
	6 N-Nitrosomethylethylamine	88	3.016	3.016	0.000	94	142476	7.50	7.56	
	9 Methyl methanesulfonate	80	3.251	3.251	0.000	85	172698	7.50	7.51	
$	10 2-Fluorophenol	112	3.393	3.393	0.000	91	688263	15.0	16.2	
	11 N-Nitrosodiethylamine	102	3.593	3.593	0.000	94	146486	7.50	7.91	
	13 Ethyl methanesulfonate	109	3.845	3.845	0.000	98	164477	7.50	7.40	
	15 Benzaldehyde	77	4.175	4.175	0.000	94	249898	7.50	6.89	
$	16 Phenol-d5	99	4.204	4.204	0.000	99	841009	15.0	16.2	
	17 Phenol	94	4.216	4.216	0.000	97	426967	7.50	8.06	
	18 Aniline	93	4.269	4.269	0.000	98	516574	7.50	8.05	
	19 Bis(2-chloroethyl)ether	93	4.322	4.322	0.000	90	336072	7.50	7.59	
	20 2-Chlorophenol	128	4.381	4.381	0.000	95	369034	7.50	8.25	
	22 1,3-Dichlorobenzene	146	4.534	4.534	0.000	99	420042	7.50	7.90	
*	23 1,4-Dichlorobenzene-d4	152	4.587	4.587	0.000	94	173065	5.00	5.00	
	24 1,4-Dichlorobenzene	146	4.604	4.604	0.000	96	424789	7.50	7.92	
	26 Benzyl alcohol	108	4.704	4.704	0.000	95	227003	7.50	7.96	
	27 1,2-Dichlorobenzene	146	4.751	4.751	0.000	98	405191	7.50	7.89	
	30 2-Methylphenol	108	4.804	4.804	0.000	95	314449	7.50	8.06	a
	32 2,2'-oxybis[1-chloropropane]	45	4.840	4.840	0.000	92	393886	7.50	7.75	
	33 N-Nitrosopyrrolidine	100	4.934	4.934	0.000	95	156039	7.50	7.87	
	36 4-Methylphenol	108	4.951	4.951	0.000	96	331757	7.50	7.97	a
	25 alpha,alpha-Dimethyl phenethylam	58		4.963				ND	ND	U
	34 Acetophenone	105	4.963	4.963	0.000	93	513605	7.50	7.65	
	35 N-Nitrosodi-n-propylamine	70	4.963	4.963	0.000	80	239077	7.50	7.59	
	37 N-Nitrosomorpholine	56	4.975	4.975	0.000	91	179377	7.50	7.42	
	38 2-Toluidine	106	4.998	4.998	0.000	95	507298	7.50	7.80	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Hexachloroethane	117	5.081	5.081	0.000	92	162089	7.50	7.51	
$ 41 Nitrobenzene-d5	82	5.116	5.116	0.000	87	733249	15.0	16.0	
42 Nitrobenzene	77	5.134	5.134	0.000	86	351190	7.50	7.33	
43 N-Nitrosopiperidine	114	5.281	5.281	0.000	87	153918	7.50	7.87	
45 Isophorone	82	5.369	5.369	0.000	99	646397	7.50	7.97	
46 2-Nitrophenol	139	5.445	5.445	0.000	94	183973	7.50	8.25	
48 2,4-Dimethylphenol	107	5.481	5.481	0.000	95	349042	7.50	7.96	
49 o,o',o''-Triethylphosphorothioat	198	5.557	5.557	0.000	78	192039	7.50	8.03	
51 Bis(2-chloroethoxy)methane	93	5.581	5.581	0.000	99	413834	7.50	7.88	
52 2,4-Dichlorophenol	162	5.681	5.681	0.000	91	318246	7.50	8.29	a
53 1,2,4-Trichlorobenzene	180	5.775	5.775	0.000	94	357776	7.50	7.89	
* 54 Naphthalene-d8	136	5.834	5.834	0.000	99	667405	5.00	5.00	
55 Naphthalene	128	5.851	5.851	0.000	97	1098592	7.50	7.96	
29 Alpha-Terpineol	59	5.857	5.857	0.000	94	263453	7.50	7.98	
57 4-Chloroaniline	127	5.898	5.898	0.000	97	457606	7.50	8.09	
58 2,6-Dichlorophenol	162	5.910	5.910	0.000	98	320652	7.50	8.17	a
59 Hexachloropropene	213	5.945	5.945	0.000	89	218284	7.50	8.03	
60 Hexachlorobutadiene	225	5.981	5.981	0.000	95	221188	7.50	8.15	
62 Quinoline	129	6.181	6.181	0.000	98	664698	7.50	7.64	
63 Caprolactam	113	6.210	6.210	0.000	81	89753	7.50	7.47	
64 N-Nitrosodi-n-butylamine	84	6.239	6.239	0.000	92	215972	7.50	7.37	
39 p-Phenylene diamine	108	6.245	6.245	0.000	97	335069	7.50	7.80	
66 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	95	294823	7.50	8.21	
67 Safrole, Total	162	6.451	6.451	0.000	94	273583	7.50	7.74	
68 2-Methylnaphthalene	142	6.539	6.539	0.000	91	655725	7.50	7.99	
69 1-Methylnaphthalene	142	6.639	6.639	0.000	92	682948	7.50	7.92	
71 Hexachlorocyclopentadiene	237	6.698	6.698	0.000	95	258896	7.50	8.07	
72 1,2,4,5-Tetrachlorobenzene	216	6.704	6.704	0.000	97	363176	7.50	7.98	
73 Isosafrole Peak 1	162	6.745	6.745	0.000	94	48738	1.20	1.22	
74 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	80	239848	7.50	8.11	
75 2,4,5-Trichlorophenol	196	6.845	6.845	0.000	96	264453	7.50	8.32	
$ 76 2-Fluorobiphenyl (Surr)	172	6.904	6.904	0.000	100	1793402	15.0	16.3	
77 Isosafrole Peak 2	162	6.969	6.969	0.000	96	280087	6.30	6.62	
78 1,1'-Biphenyl	154	7.004	7.004	0.000	95	913279	7.50	7.87	
79 2-Chloronaphthalene	162	7.022	7.022	0.000	96	693245	7.50	7.65	
80 1-Chloronaphthalene	162	7.045	7.045	0.000	98	686060	7.50	8.12	
81 Phenyl ether	170	7.110	7.110	0.000	87	524546	7.50	7.83	
82 2-Nitroaniline	138	7.116	7.116	0.000	87	220987	7.50	8.46	
84 1,4-Naphthoquinone	158	7.192	7.192	0.000	93	256231	7.50	8.50	
85 1,4-Dinitrobenzene	168	7.251	7.251	0.000	91	100402	7.50	8.13	
86 Dimethyl phthalate	163	7.304	7.304	0.000	98	819922	7.50	8.01	
87 1,3-Dinitrobenzene	168	7.322	7.322	0.000	90	125335	7.50	8.03	
88 2,6-Dinitrotoluene	165	7.357	7.357	0.000	96	174560	7.50	8.40	
89 Acenaphthylene	152	7.433	7.433	0.000	98	1113202	7.50	8.14	
90 3-Nitroaniline	138	7.522	7.522	0.000	97	197850	7.50	8.17	
* 91 Acenaphthene-d10	164	7.575	7.575	0.000	94	381272	5.00	5.00	
93 Acenaphthene	153	7.604	7.604	0.000	95	734473	7.50	7.93	
94 2,4-Dinitrophenol	184	7.622	7.622	0.000	87	239567	17.5	17.5	
95 4-Nitrophenol	109	7.675	7.675	0.000	87	220798	15.0	16.7	
96 Pentachlorobenzene	250	7.739	7.739	0.000	98	308032	7.50	7.61	
98 2,4-Dinitrotoluene	165	7.751	7.751	0.000	95	234806	7.50	8.29	
97 Dibenzofuran	168	7.775	7.775	0.000	97	1022196	7.50	7.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	7.851	7.851	0.000	98	667005	7.50	8.08	
101 2,3,4,6-Tetrachlorophenol	232	7.892	7.892	0.000	72	219130	7.50	8.31	
103 2-Naphthylamine	143	7.928	7.928	0.000	97	698438	7.50	7.91	
104 Diethyl phthalate	149	8.004	8.004	0.000	99	809429	7.50	8.07	
106 Thionazin	107	8.080	8.080	0.000	81	107971	7.50	7.58	
105 Fluorene	166	8.116	8.116	0.000	90	834189	7.50	7.97	
108 4-Chlorophenyl phenyl ether	204	8.116	8.116	0.000	76	413481	7.50	8.07	
107 N-Nitro-o-toluidine	152	8.116	8.116	0.000	60	217427	7.50	8.34	
109 4-Nitroaniline	138	8.122	8.122	0.000	63	219750	7.50	8.47	
110 4,6-Dinitro-2-methylphenol	198	8.157	8.157	0.000	88	286886	15.0	16.3	
111 N-Nitrosodiphenylamine	169	8.228	8.228	0.000	63	588723	6.38	7.17	
112 1,2-Diphenylhydrazine	77	8.275	8.275	0.000	97	755391	7.50	8.02	
$ 113 2,4,6-Tribromophenol	330	8.351	8.351	0.000	93	319720	15.0	16.0	
114 Sulfotepp	97	8.392	8.392	0.000	82	121193	7.50	8.36	
172 1,3,5-Trinitrobenzene	213	8.469	8.469	0.000	85	70731	7.50	8.14	
115 cis-Diallate	86	8.522	8.522	0.000	83	209567	5.55	5.52	
117 Phenacetin	108	8.522	8.522	0.000	94	342498	7.50	8.41	
116 Phorate	75	8.528	8.528	0.000	95	399194	7.50	8.32	
118 4-Bromophenyl phenyl ether	248	8.598	8.598	0.000	64	243777	7.50	8.25	
119 trans-Diallate	86	8.610	8.610	0.000	95	75854	1.95	2.11	
120 Hexachlorobenzene	284	8.657	8.657	0.000	96	293943	7.50	8.03	
121 Dimethoate	87	8.686	8.686	0.000	93	242832	7.50	8.26	
122 Atrazine	200	8.751	8.751	0.000	95	227087	7.50	8.44	
123 Pentachlorophenol	266	8.845	8.845	0.000	92	364845	15.0	16.3	
125 4-Aminobiphenyl	169	8.851	8.851	0.000	90	916708	7.50	8.42	
124 Pentachloronitrobenzene	237	8.863	8.863	0.000	88	108892	7.50	8.43	
126 Pronamide	173	8.910	8.910	0.000	89	336351	7.50	8.19	
128 Dinoseb	211	9.027	9.027	0.000	97	172918	7.50	7.37	
* 127 Phenanthrene-d10	188	9.039	9.039	0.000	96	708871	5.00	5.00	
70 Disulfoton	88	9.039	9.039	0.000	94	365024	7.50	7.32	M
S 56 Dinitrotoluene	165				0		15.0	16.7	
129 Phenanthrene	178	9.063	9.063	0.000	96	1228958	7.50	8.20	
130 Anthracene	178	9.116	9.116	0.000	97	1239110	7.50	8.42	
131 Carbazole	167	9.269	9.269	0.000	96	1139219	7.50	8.53	
132 Methyl parathion	109	9.404	9.404	0.000	93	211423	7.50	8.25	
133 Di-n-butyl phthalate	149	9.616	9.616	0.000	100	1217433	7.50	8.24	
S 65 Diallate	86				0		7.50	7.63	
134 Ethyl Parathion	109	9.792	9.792	0.000	86	131018	7.50	8.45	
135 4-Nitroquinoline-1-oxide	190	9.816	9.816	0.000	78	73383	7.50	7.20	
136 Octachlorostyrene	308	10.045	10.045	0.000	92	112365	7.50	7.82	
137 Isodrin	193	10.092	10.092	0.000	94	127223	7.50	7.57	
138 Fluoranthene	202	10.233	10.233	0.000	98	1263982	7.50	8.24	
139 Benzidine	184	10.369	10.369	0.000	99	2649996	22.5	25.0	
* 140 Pyrene-d10 (IS)	212	10.451	10.451	0.000	98	697981	5.00	5.00	
141 Pyrene	202	10.469	10.469	0.000	98	1379010	7.50	7.99	
$ 142 p-Terphenyl-d14	244	10.633	10.633	0.000	99	1955306	15.0	16.5	
143 p-Dimethylamino azobenzene	225	10.786	10.786	0.000	92	220800	7.50	8.03	
144 Chlorobenzilate	139	10.839	10.839	0.000	88	350011	7.50	8.39	
100 Famphur	218		11.121				ND	ND	U
145 3,3'-Dimethylbenzidine	212	11.169	11.169	0.000	98	685906	7.50	8.72	
146 Butyl benzyl phthalate	149	11.192	11.192	0.000	96	535731	7.50	8.15	
147 2-Acetylaminofluorene	181	11.469	11.469	0.000	94	372951	7.50	7.48	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 92 Aramite, Total	185		11.583				7.50	ND	
149 3,3'-Dichlorobenzidine	252	11.851	11.851	0.000	75	525785	7.50	7.95	
150 4,4'-Methylene bis(2-chloroanil	231	11.857	11.857	0.000	95	227220	7.50	8.28	
148 Benzo[a]anthracene	228	11.886	11.886	0.000	98	1244128	7.50	8.39	
151 Chrysene	228	11.933	11.933	0.000	96	1215677	7.50	8.17	
152 Bis(2-ethylhexyl) phthalate	149	11.945	11.945	0.000	95	758357	7.50	7.87	
153 6-Methylchrysene	242	12.563	12.563	0.000	98	783790	7.50	8.12	
154 Di-n-octyl phthalate	149	12.880	12.880	0.000	98	1084591	7.50	7.09	
156 7,12-Dimethylbenz(a)anthracene	256	13.404	13.404	0.000	89	468146	7.50	7.32	
155 Benzo[b]fluoranthene	252	13.410	13.410	0.000	97	1175762	7.50	7.90	
157 Benzo[k]fluoranthene	252	13.451	13.451	0.000	99	1245985	7.50	7.95	
158 Benzo[a]pyrene	252	13.892	13.892	0.000	77	1138902	7.50	8.47	
* 159 Perylene-d12	264	13.974	13.974	0.000	99	627711	5.00	5.00	
160 3-Methylcholanthrene	268	14.427	14.427	0.000	91	529516	7.50	7.95	
161 Dibenz[a,h]acridine	279	15.345	15.345	0.000	90	770249	7.50	8.24	a
162 Dibenz[a,j]acridine	279	15.439	15.439	0.000	96	927950	7.50	8.45	a
163 Indeno[1,2,3-cd]pyrene	276	15.762	15.762	0.000	99	1028007	7.50	8.35	
164 Dibenz(a,h)anthracene	278	15.809	15.809	0.000	92	1092818	7.50	8.45	
165 Benzo[g,h,i]perylene	276	16.280	16.280	0.000	98	1058859	7.50	8.34	
S 166 Isosafrole	162				0		7.50	7.84	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_5_00052 Amount Added: 1.00 Units: mL

Report Date: 01-May-2025 21:48:43 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0104.D

Injection Date: 01-May-2025 10:55:30 Instrument ID: HP18831 Operator ID: CJS101602

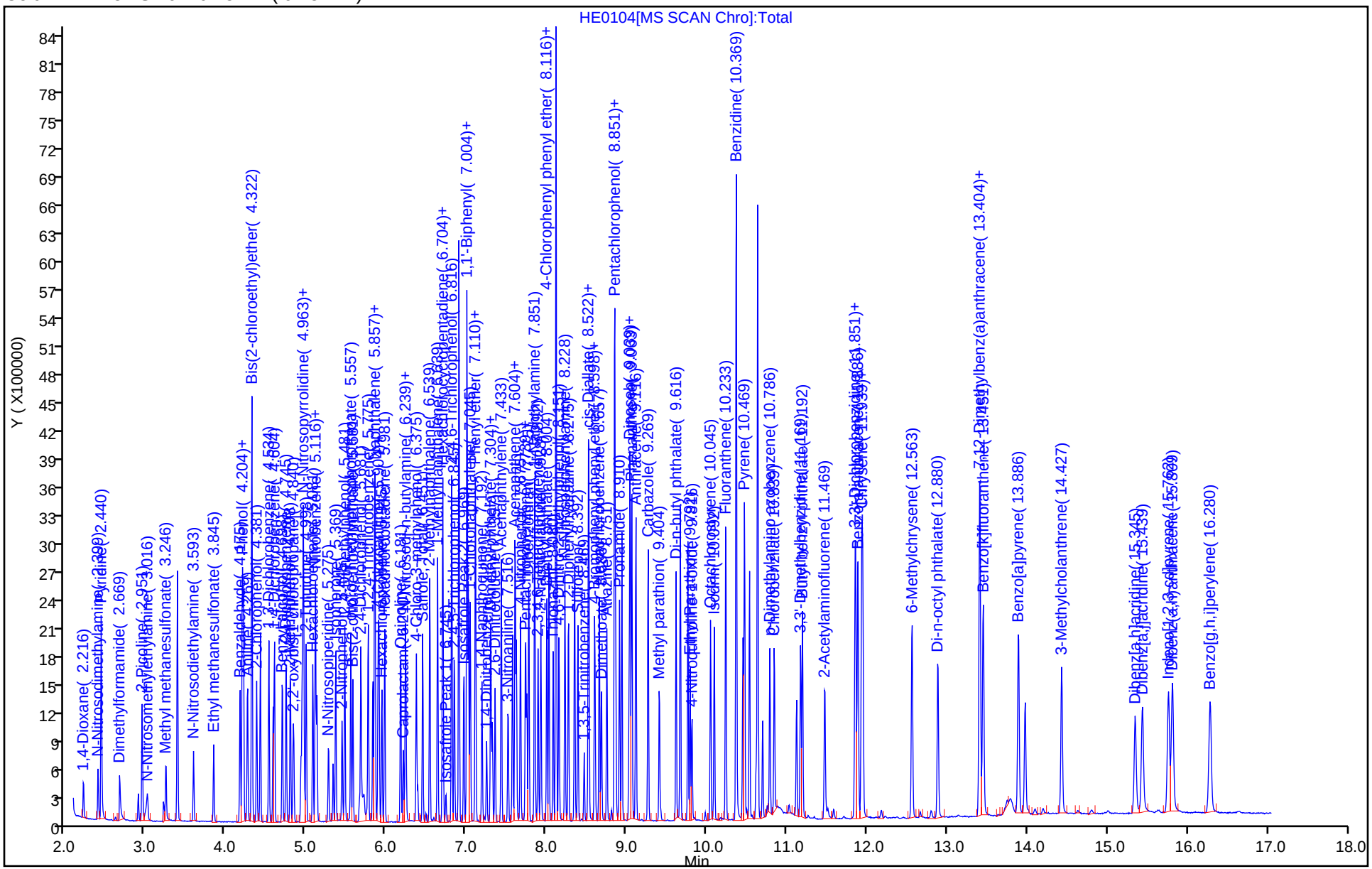
Lims ID: IC L5 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

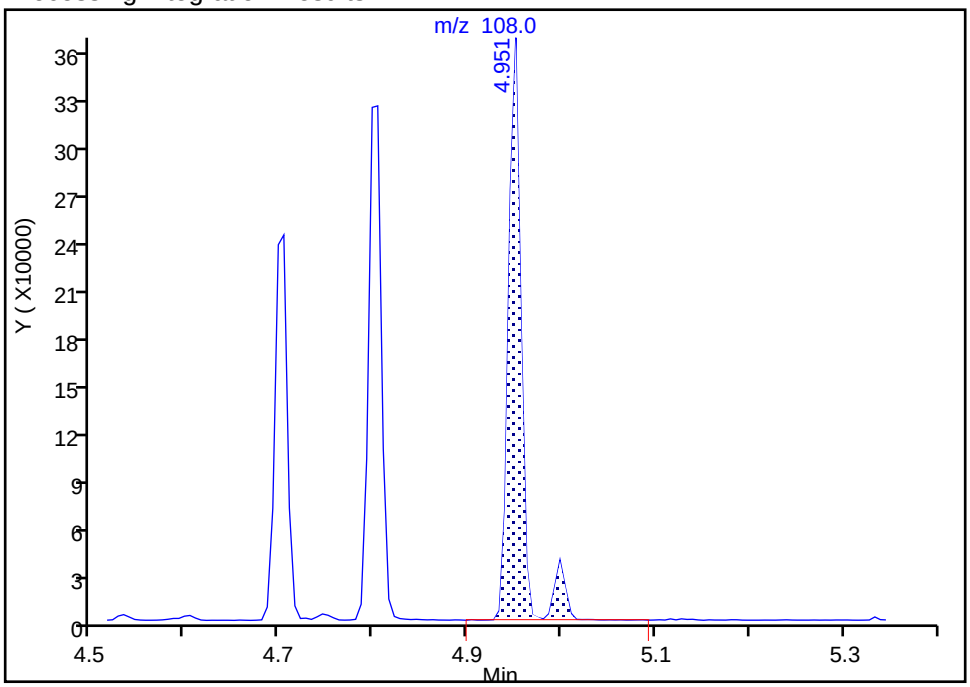
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0104.D
Injection Date: 01-May-2025 10:55:30 Instrument ID: HP18831
Lims ID: IC L5
Client ID:
Operator ID: CJS101602 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

30 2-Methylphenol, CAS: 95-48-7

Signal: 1

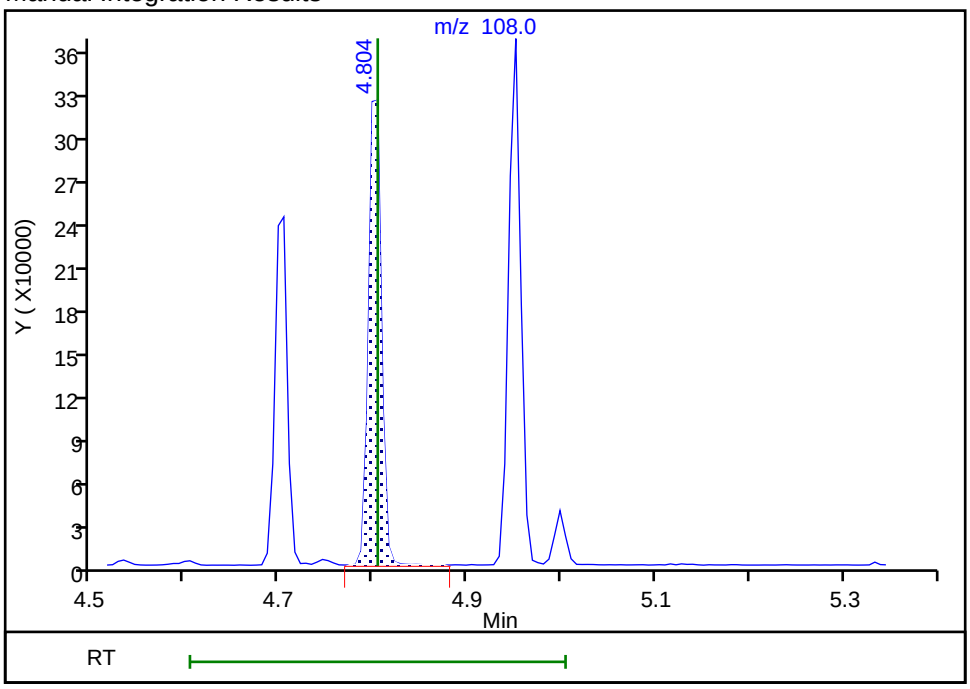
Processing Integration Results

RT: 4.95
Area: 364881
Amount: 8.787582
Amount Units: ug/ml



Manual Integration Results

RT: 4.80
Area: 314449
Amount: 8.064662
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:25:12 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

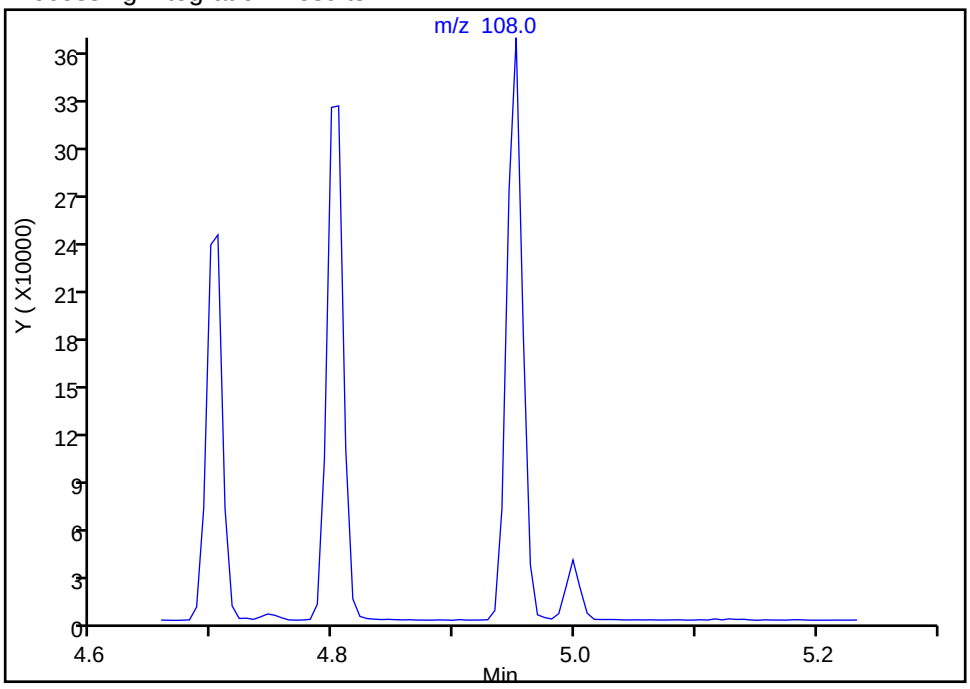
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0104.D				
Injection Date:	01-May-2025 10:55:30	Instrument ID:	HP18831		
Lims ID:	IC L5				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

36 4-Methylphenol, CAS: 106-44-5

Signal: 1

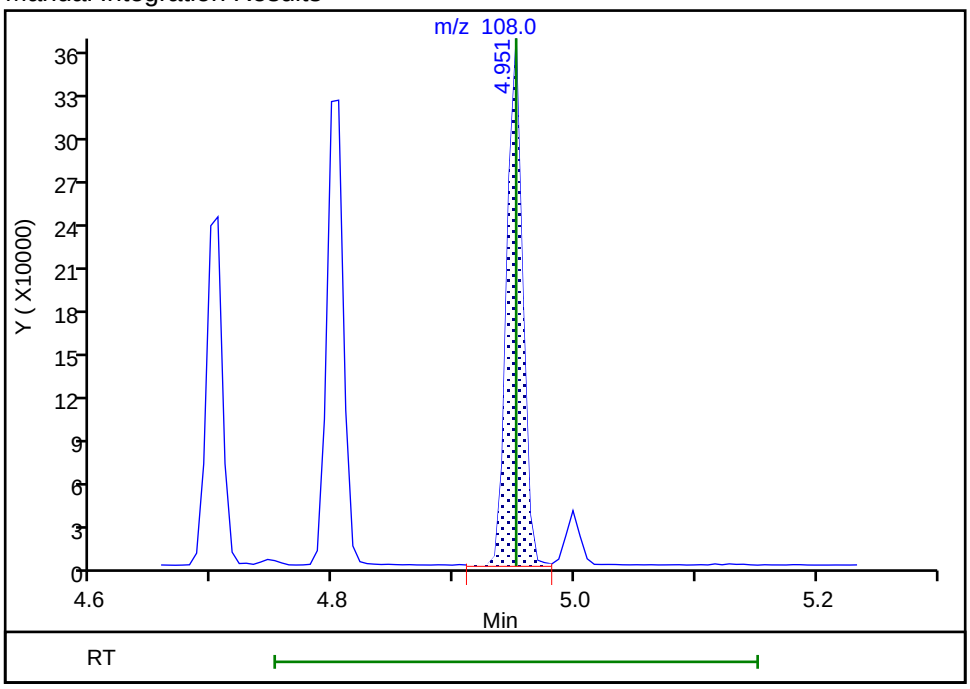
Not Detected
Expected RT: 4.95

Processing Integration Results



Manual Integration Results

RT: 4.95
Area: 331757
Amount: 7.966666
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:25:27 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

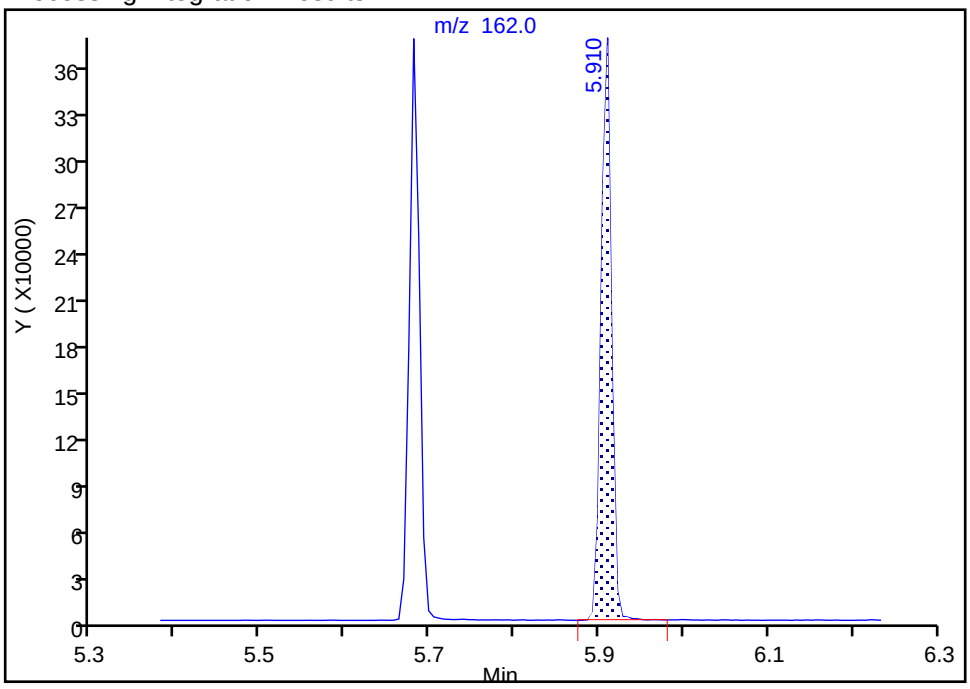
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0104.D
Injection Date: 01-May-2025 10:55:30 Instrument ID: HP18831
Lims ID: IC L5
Client ID:
Operator ID: CJS101602 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

52 2,4-Dichlorophenol, CAS: 120-83-2

Signal: 1

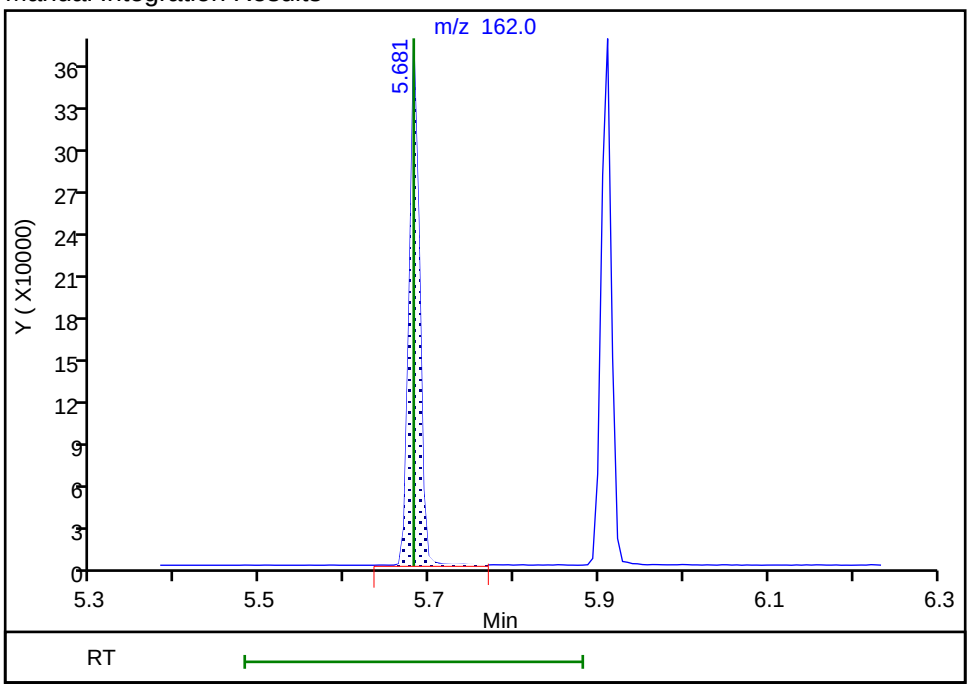
Processing Integration Results

RT: 5.91
Area: 320652
Amount: 8.250338
Amount Units: ug/ml



Manual Integration Results

RT: 5.68
Area: 318246
Amount: 8.287345
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:25:58 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

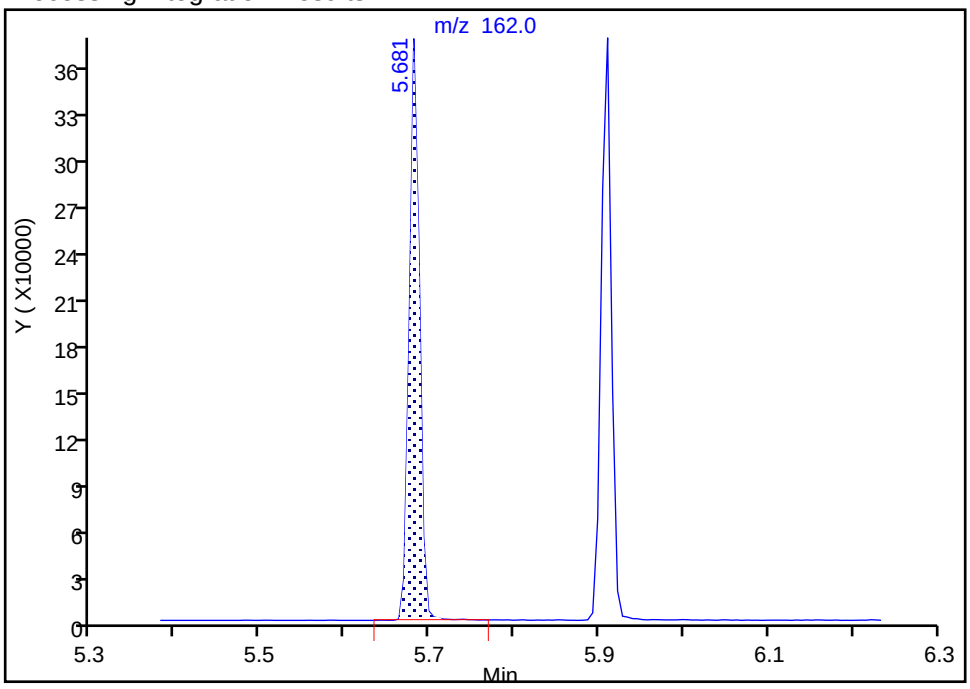
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0104.D
Injection Date: 01-May-2025 10:55:30 Instrument ID: HP18831
Lims ID: IC L5
Client ID:
Operator ID: CJS101602 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

58 2,6-Dichlorophenol, CAS: 87-65-0

Signal: 1

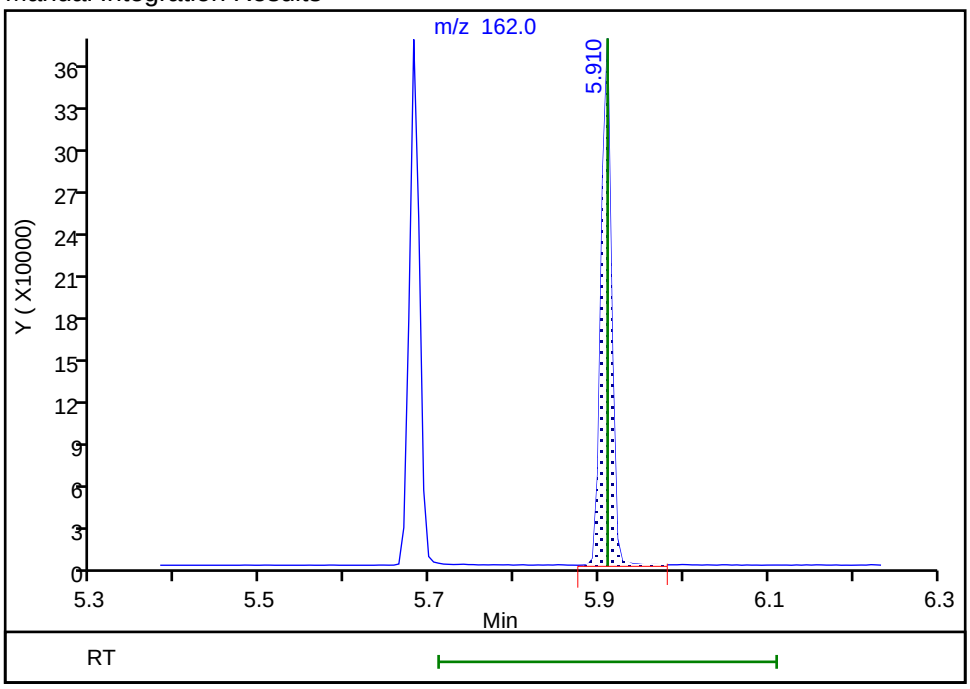
Processing Integration Results

RT: 5.68
Area: 318246
Amount: 8.385975
Amount Units: ug/ml



Manual Integration Results

RT: 5.91
Area: 320652
Amount: 8.174564
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:26:05 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

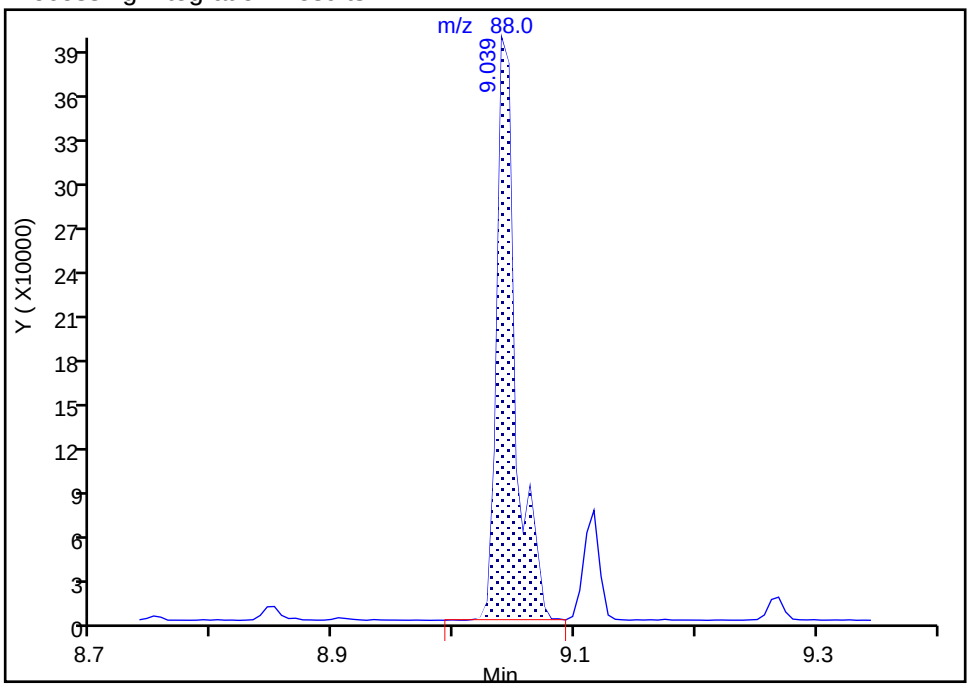
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0104.D				
Injection Date:	01-May-2025 10:55:30	Instrument ID:	HP18831		
Lims ID:	IC L5				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

70 Disulfoton, CAS: 298-04-4

Signal: 1

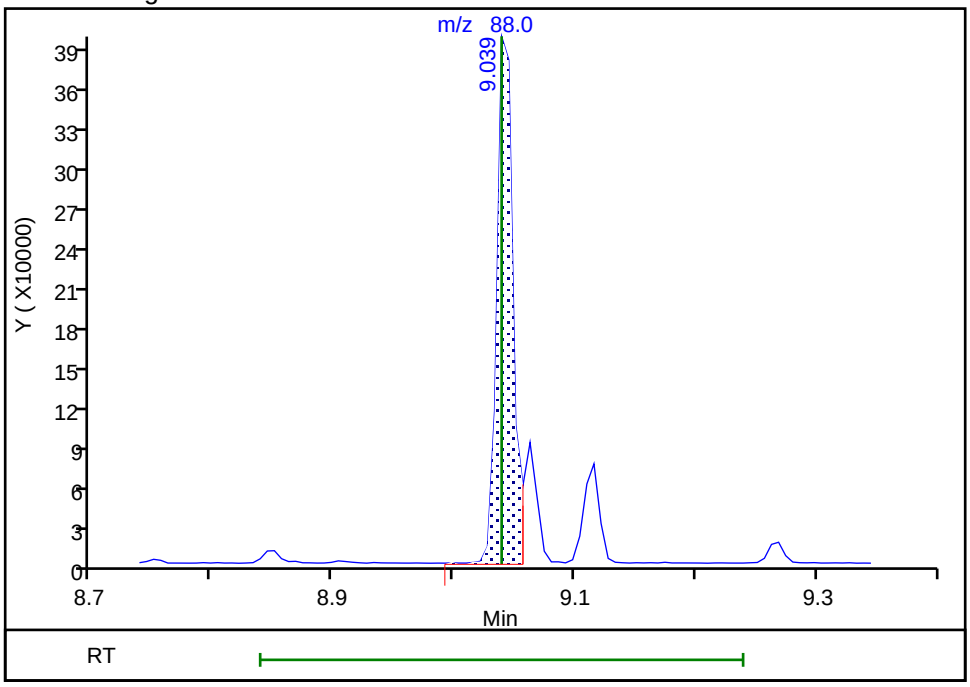
Processing Integration Results

RT: 9.04
Area: 428432
Amount: 8.897345
Amount Units: ug/ml



Manual Integration Results

RT: 9.04
Area: 365024
Amount: 7.318296
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:26:49 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

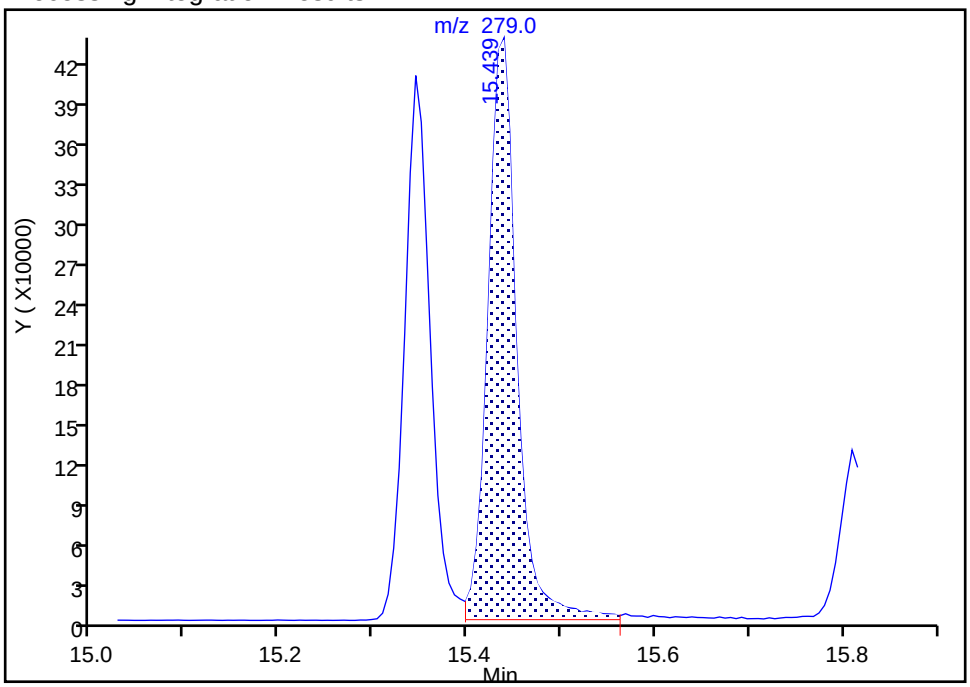
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0104.D				
Injection Date:	01-May-2025 10:55:30	Instrument ID:	HP18831		
Lims ID:	IC L5				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

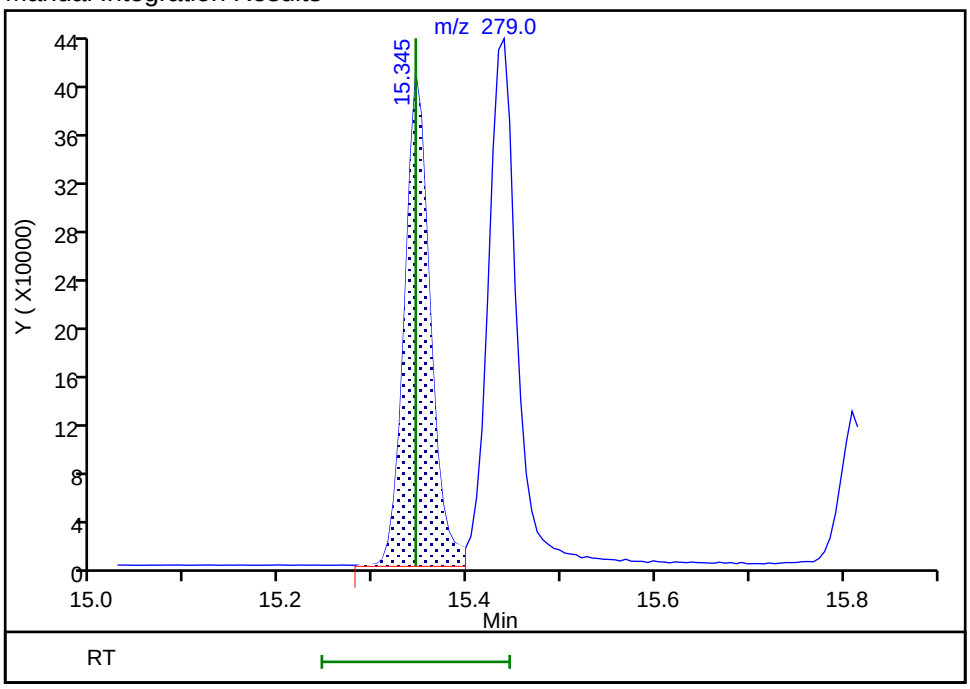
Processing Integration Results

RT: 15.44
Area: 927950
Amount: 9.101870
Amount Units: ug/ml



Manual Integration Results

RT: 15.34
Area: 770249
Amount: 8.236645
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 19:55:14 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

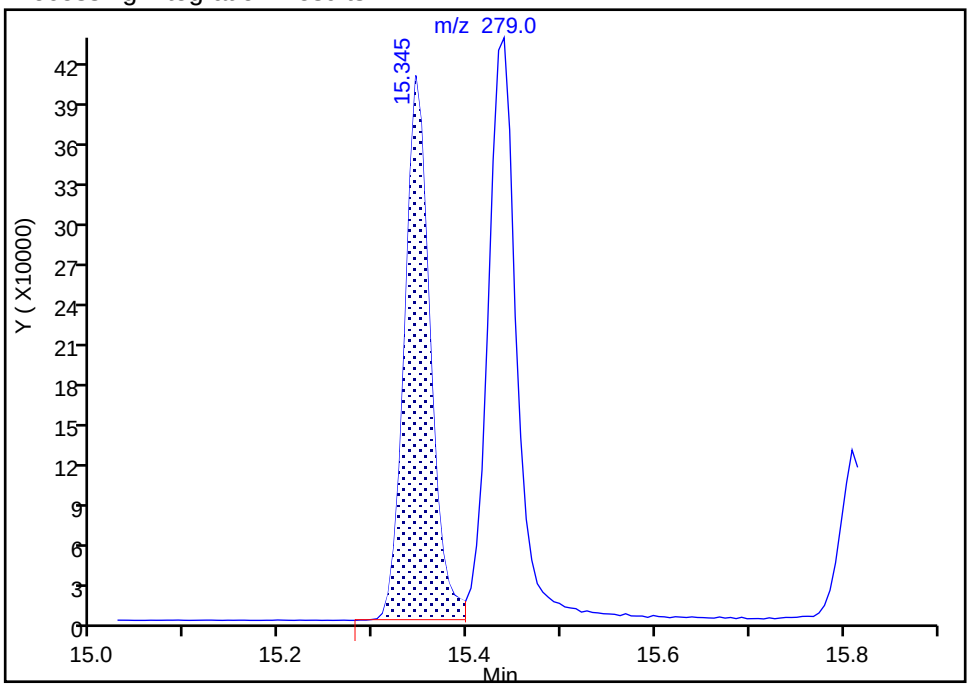
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0104.D				
Injection Date:	01-May-2025 10:55:30	Instrument ID:	HP18831		
Lims ID:	IC L5				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

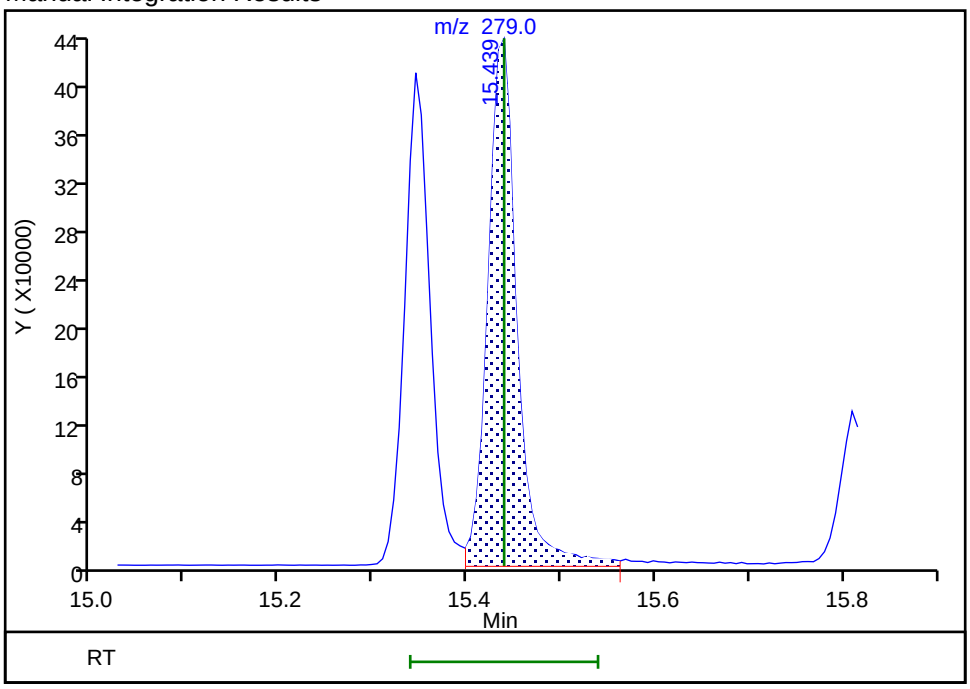
Processing Integration Results

RT: 15.34
Area: 770249
Amount: 6.544564
Amount Units: ug/ml



Manual Integration Results

RT: 15.44
Area: 927950
Amount: 8.448583
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 19:55:19 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0105.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 01-May-2025 11:17:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0145811-006
Operator ID: CJS101602 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub64

Method: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-May-2025 21:48:50 Calib Date: 01-May-2025 12:22:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

First Level Reviewer: WH7Z Date: 01-May-2025 16:29:27

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	2.222	2.216	0.006	94	58993	3.75	3.78	
	2 N-Nitrosodimethylamine	74	2.404	2.399	0.006	94	80599	3.75	3.37	
	3 Pyridine	79	2.446	2.440	0.006	98	275727	7.50	7.13	
	4 Dimethylformamide	73	2.681	2.669	0.012	94	86330	3.75	3.69	
	5 2-Picoline	93	2.951	2.951	0.000	95	139570	3.75	3.61	
	6 N-Nitrosomethylethylamine	88	3.016	3.016	0.000	96	60543	3.75	3.59	
	9 Methyl methanesulfonate	80	3.251	3.251	0.000	86	74291	3.75	3.61	
$	10 2-Fluorophenol	112	3.393	3.393	0.000	91	271679	7.50	7.16	
	11 N-Nitrosodiethylamine	102	3.593	3.593	-0.001	93	59077	3.75	3.57	
	13 Ethyl methanesulfonate	109	3.845	3.845	0.000	99	67673	3.75	3.40	
	15 Benzaldehyde	77	4.175	4.175	0.000	94	111274	3.75	3.43	
$	16 Phenol-d5	99	4.198	4.204	-0.006	98	339746	7.50	7.33	
	17 Phenol	94	4.216	4.216	0.000	98	171207	3.75	3.61	
	18 Aniline	93	4.269	4.269	0.000	99	206384	3.75	3.60	
	19 Bis(2-chloroethyl)ether	93	4.322	4.322	0.000	91	140866	3.75	3.56	
	20 2-Chlorophenol	128	4.381	4.381	0.000	96	141939	3.75	3.55	
	22 1,3-Dichlorobenzene	146	4.534	4.534	0.000	98	172147	3.75	3.62	
*	23 1,4-Dichlorobenzene-d4	152	4.587	4.587	0.000	94	154725	5.00	5.00	
	24 1,4-Dichlorobenzene	146	4.604	4.604	0.000	95	176982	3.75	3.69	
	26 Benzyl alcohol	108	4.698	4.704	-0.006	95	91537	3.75	3.59	
	27 1,2-Dichlorobenzene	146	4.745	4.751	-0.006	98	166218	3.75	3.62	
	30 2-Methylphenol	108	4.798	4.804	-0.006	96	125093	3.75	3.59	
	32 2,2'-oxybis[1-chloropropane]	45	4.839	4.840	-0.001	92	161298	3.75	3.55	
	33 N-Nitrosopyrrolidine	100	4.934	4.934	0.000	93	61732	3.75	3.48	
	36 4-Methylphenol	108	4.951	4.951	0.000	97	134703	3.75	3.62	
	25 alpha,alpha-Dimethyl phenethylam	58		4.963				ND	ND	U
	34 Acetophenone	105	4.963	4.963	0.000	98	214007	3.75	3.57	
	35 N-Nitrosodi-n-propylamine	70	4.963	4.963	0.000	86	99026	3.75	3.52	
	37 N-Nitrosomorpholine	56	4.975	4.975	0.000	92	74003	3.75	3.42	
	38 2-Toluidine	106	4.998	4.998	0.000	96	205560	3.75	3.54	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Hexachloroethane	117	5.081	5.081	0.000	93	65899	3.75	3.42	
$ 41 Nitrobenzene-d5	82	5.116	5.116	0.000	88	297391	7.50	7.40	
42 Nitrobenzene	77	5.134	5.134	0.000	87	146496	3.75	3.48	
43 N-Nitrosopiperidine	114	5.275	5.281	-0.006	87	61855	3.75	3.60	
45 Isophorone	82	5.369	5.369	0.000	100	256771	3.75	3.60	
46 2-Nitrophenol	139	5.445	5.445	0.000	94	72273	3.75	3.69	
48 2,4-Dimethylphenol	107	5.481	5.481	0.000	94	137927	3.75	3.58	
49 o,o',o''-Triethylphosphorothioat	198	5.557	5.557	0.000	80	75188	3.75	3.58	
51 Bis(2-chloroethoxy)methane	93	5.581	5.581	0.000	99	165897	3.75	3.59	
52 2,4-Dichlorophenol	162	5.681	5.681	0.000	92	123872	3.75	3.67	a
53 1,2,4-Trichlorobenzene	180	5.775	5.775	0.000	94	142444	3.75	3.58	
* 54 Naphthalene-d8	136	5.828	5.834	-0.006	99	586240	5.00	5.00	M
55 Naphthalene	128	5.851	5.851	0.000	97	444565	3.75	3.67	
29 Alpha-Terpineol	59	5.857	5.857	0.000	90	98327	3.75	3.39	
57 4-Chloroaniline	127	5.898	5.898	0.000	97	184233	3.75	3.71	
58 2,6-Dichlorophenol	162	5.910	5.910	0.000	98	126019	3.75	3.66	a
59 Hexachloropropene	213	5.945	5.945	0.000	89	85092	3.75	3.56	
60 Hexachlorobutadiene	225	5.981	5.981	0.000	97	85871	3.75	3.60	
62 Quinoline	129	6.181	6.181	0.000	98	269848	3.75	3.53	
63 Caprolactam	113	6.204	6.210	-0.006	81	34763	3.75	3.29	
64 N-Nitrosodi-n-butylamine	84	6.234	6.239	-0.005	92	82942	3.75	3.22	
39 p-Phenylene diamine	108	6.239	6.245	-0.006	97	125360	3.75	3.32	
66 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	95	113611	3.75	3.60	
67 Safrole, Total	162	6.451	6.451	0.000	94	111570	3.75	3.59	
68 2-Methylnaphthalene	142	6.539	6.539	0.000	92	265350	3.75	3.68	
69 1-Methylnaphthalene	142	6.639	6.639	0.000	92	270202	3.75	3.57	
71 Hexachlorocyclopentadiene	237	6.698	6.698	0.000	94	97917	3.75	3.55	
72 1,2,4,5-Tetrachlorobenzene	216	6.704	6.704	0.000	97	145064	3.75	3.71	
73 Isosafrole Peak 1	162	6.745	6.745	0.000	93	19409	0.6000	0.5671	
74 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	78	90700	3.75	3.57	
75 2,4,5-Trichlorophenol	196	6.845	6.845	0.000	95	99641	3.75	3.65	
$ 76 2-Fluorobiphenyl (Surr)	172	6.904	6.904	0.000	99	708332	7.50	7.49	
77 Isosafrole Peak 2	162	6.969	6.969	0.000	96	109754	3.15	3.02	
78 1,1'-Biphenyl	154	7.004	7.004	0.000	95	363627	3.75	3.65	
79 2-Chloronaphthalene	162	7.022	7.022	0.000	96	290698	3.75	3.74	
80 1-Chloronaphthalene	162	7.045	7.045	0.000	99	269011	3.75	3.71	
81 Phenyl ether	170	7.110	7.110	0.000	86	208750	3.75	3.63	
82 2-Nitroaniline	138	7.116	7.116	0.000	87	78936	3.75	3.52	
84 1,4-Naphthoquinone	158	7.192	7.192	0.000	93	97102	3.75	3.75	
85 1,4-Dinitrobenzene	168	7.251	7.251	0.000	91	36100	3.75	3.40	
86 Dimethyl phthalate	163	7.298	7.304	-0.006	99	320973	3.75	3.65	
87 1,3-Dinitrobenzene	168	7.322	7.322	0.000	86	44313	3.75	3.31	
88 2,6-Dinitrotoluene	165	7.357	7.357	0.000	96	64895	3.75	3.64	
89 Acenaphthylene	152	7.433	7.433	0.000	98	427655	3.75	3.64	
90 3-Nitroaniline	138	7.516	7.522	-0.006	97	73123	3.75	3.52	
* 91 Acenaphthene-d10	164	7.575	7.575	0.000	94	327396	5.00	5.00	
93 Acenaphthene	153	7.604	7.604	0.000	95	286528	3.75	3.60	
94 2,4-Dinitrophenol	184	7.622	7.622	0.000	85	107398	11.3	10.3	
95 4-Nitrophenol	109	7.669	7.675	-0.006	90	84099	7.50	7.41	
96 Pentachlorobenzene	250	7.739	7.739	0.000	98	123130	3.75	3.54	
98 2,4-Dinitrotoluene	165	7.751	7.751	0.000	94	86738	3.75	3.57	
97 Dibenzofuran	168	7.775	7.775	0.000	96	409000	3.75	3.66	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	7.851	7.851	0.000	98	265539	3.75	3.74	
101 2,3,4,6-Tetrachlorophenol	232	7.892	7.892	0.000	72	81813	3.75	3.61	
103 2-Naphthylamine	143	7.928	7.928	0.000	97	276006	3.75	3.64	
104 Diethyl phthalate	149	7.998	8.004	-0.006	98	312750	3.75	3.63	
106 Thionazin	107	8.080	8.080	0.000	79	40159	3.75	3.29	
105 Fluorene	166	8.116	8.116	0.000	90	330824	3.75	3.68	
108 4-Chlorophenyl phenyl ether	204	8.116	8.116	0.000	74	158056	3.75	3.59	
107 N-Nitro-o-toluidine	152	8.116	8.116	0.000	60	81145	3.75	3.62	
109 4-Nitroaniline	138	8.116	8.122	-0.006	61	81089	3.75	3.64	
110 4,6-Dinitro-2-methylphenol	198	8.151	8.157	-0.006	87	96434	7.50	6.34	
111 N-Nitrosodiphenylamine	169	8.228	8.228	0.000	63	231638	3.19	3.26	
112 1,2-Diphenylhydrazine	77	8.269	8.275	-0.006	98	294992	3.75	3.61	
$ 113 2,4,6-Tribromophenol	330	8.351	8.351	0.000	93	112882	7.50	6.58	
114 Sulfotepp	97	8.386	8.392	-0.006	84	46797	3.75	3.73	
172 1,3,5-Trinitrobenzene	213	8.469	8.469	0.000	85	25616	3.75	3.40	
115 cis-Diallate	86	8.516	8.522	-0.006	82	82813	2.78	2.52	
117 Phenacetin	108	8.522	8.522	0.000	88	127892	3.75	3.63	
116 Phorate	75	8.527	8.528	-0.001	95	154677	3.75	3.72	
118 4-Bromophenyl phenyl ether	248	8.598	8.598	0.000	65	93945	3.75	3.67	
119 trans-Diallate	86	8.610	8.610	0.000	96	30255	0.9750	0.9713	
120 Hexachlorobenzene	284	8.657	8.657	0.000	95	113242	3.75	3.57	
121 Dimethoate	87	8.680	8.686	-0.006	93	91714	3.75	3.60	
122 Atrazine	200	8.751	8.751	0.000	94	89426	3.75	3.84	
123 Pentachlorophenol	266	8.845	8.845	0.000	92	130987	7.50	6.77	
125 4-Aminobiphenyl	169	8.851	8.851	0.000	90	343820	3.75	3.65	
124 Pentachloronitrobenzene	237	8.863	8.863	0.000	88	39237	3.75	3.50	
126 Pronamide	173	8.910	8.910	0.000	90	124272	3.75	3.49	
128 Dinoseb	211	9.027	9.027	0.000	96	54196	3.75	3.16	
* 127 Phenanthrene-d10	188	9.039	9.039	0.000	96	614134	5.00	5.00	
70 Disulfoton	88	9.039	9.039	0.000	94	140154	3.75	3.24	M
S 56 Dinitrotoluene	165				0		7.50	7.21	
129 Phenanthrene	178	9.063	9.063	0.000	96	469093	3.75	3.61	
130 Anthracene	178	9.116	9.116	0.000	97	475915	3.75	3.73	
131 Carbazole	167	9.263	9.269	-0.006	96	434865	3.75	3.76	
132 Methyl parathion	109	9.404	9.404	0.000	91	73505	3.75	3.31	
133 Di-n-butyl phthalate	149	9.616	9.616	0.000	100	448678	3.75	3.51	
S 65 Diallate	86				0		3.75	3.49	
134 Ethyl Parathion	109	9.792	9.792	0.000	84	43535	3.75	3.24	
135 4-Nitroquinoline-1-oxide	190	9.816	9.816	0.000	73	23565	3.75	3.83	
136 Octachlorostyrene	308	10.045	10.045	0.000	92	44429	3.75	3.57	
137 Isodrin	193	10.092	10.092	0.000	93	51355	3.75	3.53	
138 Fluoranthene	202	10.233	10.233	0.000	97	485363	3.75	3.65	
139 Benzidine	184	10.363	10.369	-0.006	99	991997	11.3	11.1	
* 140 Pyrene-d10 (IS)	212	10.451	10.451	0.000	98	590876	5.00	5.00	
141 Pyrene	202	10.469	10.469	0.000	98	530631	3.75	3.63	
$ 142 p-Terphenyl-d14	244	10.633	10.633	0.000	99	731851	7.50	7.31	
143 p-Dimethylamino azobenzene	225	10.786	10.786	0.000	93	72921	3.75	3.13	
144 Chlorobenzilate	139	10.839	10.839	0.000	87	128496	3.75	3.64	
100 Famphur	218		11.121				ND	ND	U
145 3,3'-Dimethylbenzidine	212	11.168	11.169	-0.001	99	256911	3.75	3.86	
146 Butyl benzyl phthalate	149	11.192	11.192	0.000	96	184005	3.75	3.31	
147 2-Acetylaminofluorene	181	11.468	11.469	0.000	93	124898	3.75	2.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 92 Aramite, Total	185		11.583				3.75	ND	
149 3,3'-Dichlorobenzidine	252	11.851	11.851	0.000	75	190847	3.75	3.41	
150 4,4'-Methylene bis(2-chloroanil	231	11.857	11.857	0.000	94	84820	3.75	3.65	
148 Benzo[a]anthracene	228	11.880	11.886	-0.006	98	474641	3.75	3.78	
151 Chrysene	228	11.933	11.933	0.000	97	473296	3.75	3.76	
152 Bis(2-ethylhexyl) phthalate	149	11.945	11.945	0.000	95	256404	3.75	3.14	
153 6-Methylchrysene	242	12.557	12.563	-0.006	98	296607	3.75	3.63	
154 Di-n-octyl phthalate	149	12.880	12.880	0.000	98	347556	3.75	3.19	
156 7,12-Dimethylbenz(a)anthracene	256	13.404	13.404	0.000	88	173808	3.75	3.27	
155 Benzo[b]fluoranthene	252	13.404	13.410	-0.006	97	458515	3.75	3.71	
157 Benzo[k]fluoranthene	252	13.445	13.451	-0.006	99	461870	3.75	3.55	
158 Benzo[a]pyrene	252	13.886	13.892	-0.006	76	417001	3.75	3.73	
* 159 Perylene-d12	264	13.968	13.974	-0.006	98	521386	5.00	5.00	
160 3-Methylcholanthrene	268	14.427	14.427	0.000	91	187391	3.75	3.39	
161 Dibenz[a,h]acridine	279	15.345	15.345	0.000	90	286802	3.75	3.69	a
162 Dibenz[a,j]acridine	279	15.433	15.439	-0.006	96	347658	3.75	3.81	a
163 Indeno[1,2,3-cd]pyrene	276	15.756	15.762	-0.006	98	380466	3.75	3.72	M
164 Dibenz(a,h)anthracene	278	15.809	15.809	0.000	92	407605	3.75	3.80	
165 Benzo[g,h,i]perylene	276	16.274	16.280	-0.006	98	410862	3.75	3.90	
S 166 Isosafrole	162				0		3.75	3.59	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_4_00040 Amount Added: 1.00 Units: mL

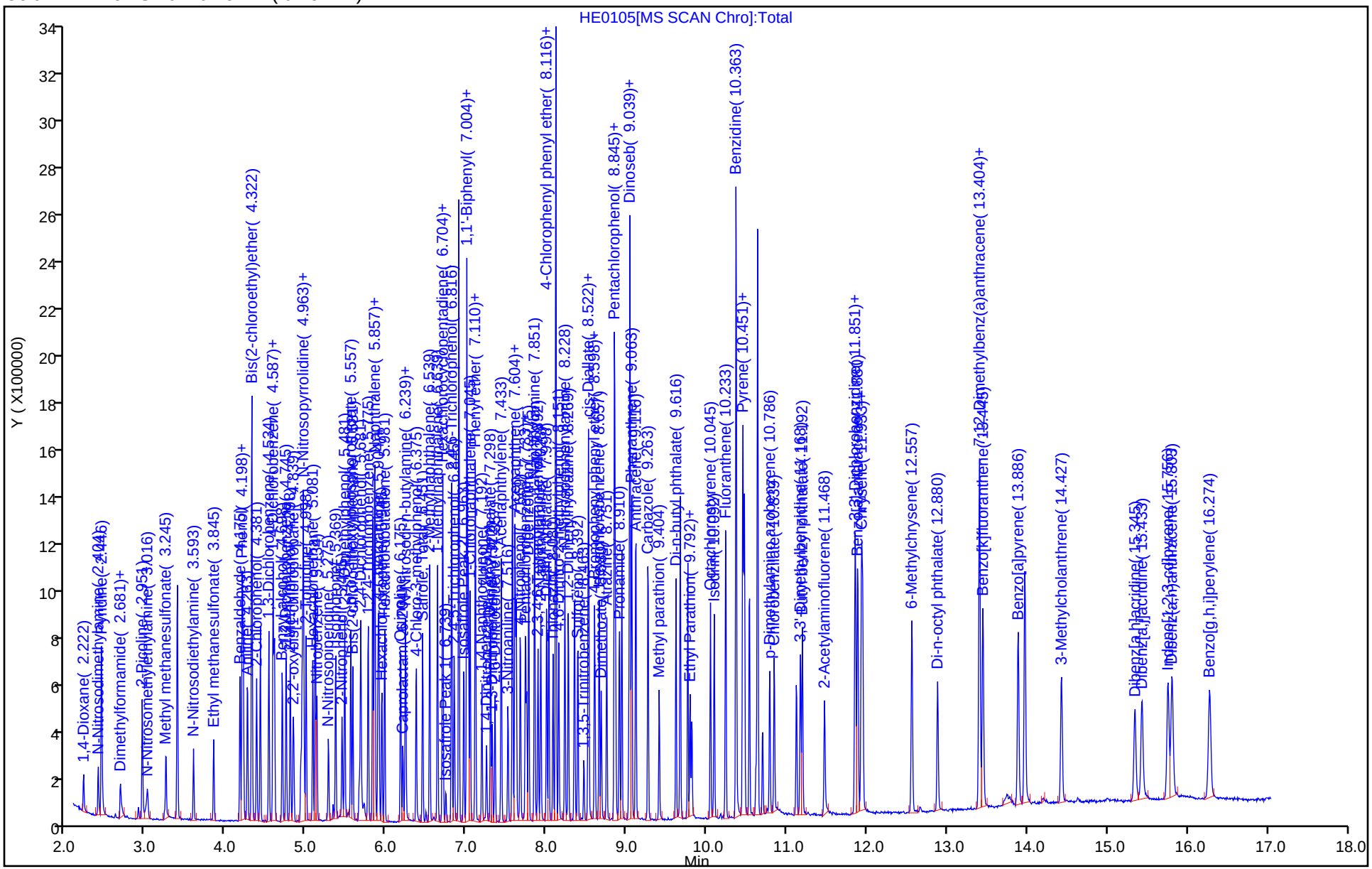
Report Date: 01-May-2025 21:48:51 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0105.D

Injection Date:	01-May-2025 11:17:30	Instrument ID:	HP18831	Operator ID:	CJS101602
Lims ID:	IC L4			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

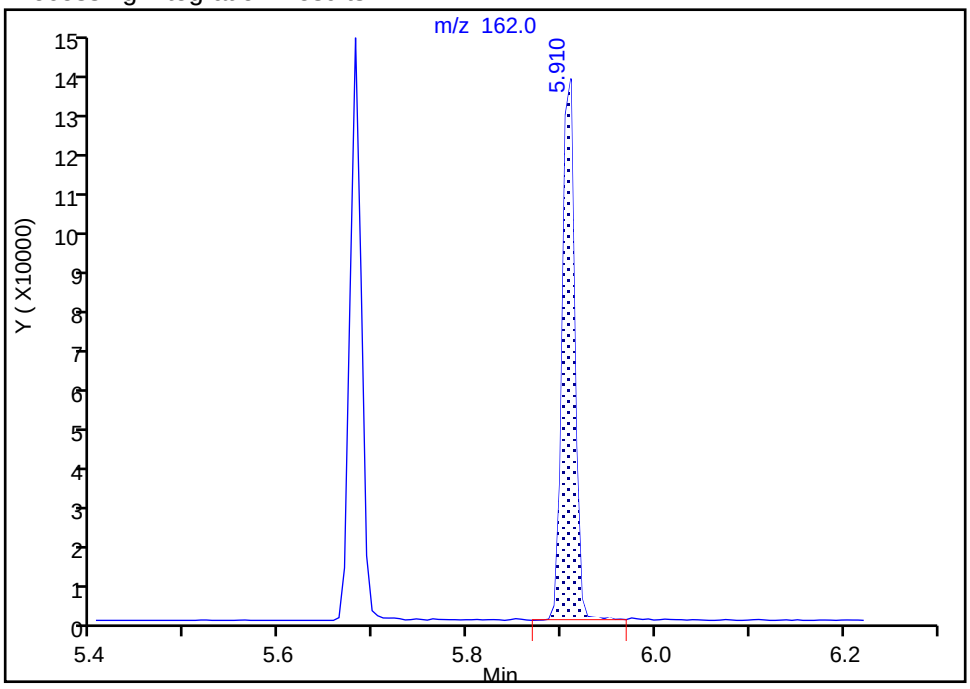
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0105.D
Injection Date: 01-May-2025 11:17:30 Instrument ID: HP18831
Lims ID: IC L4
Client ID:
Operator ID: CJS101602 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

52 2,4-Dichlorophenol, CAS: 120-83-2

Signal: 1

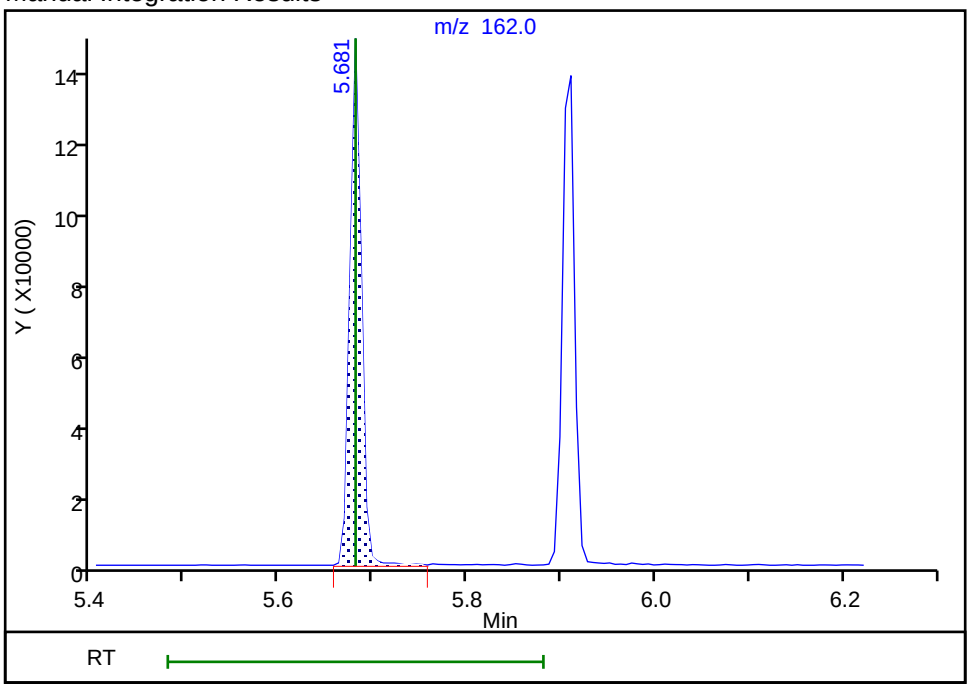
Processing Integration Results

RT: 5.91
Area: 126019
Amount: 3.666322
Amount Units: ug/ml



Manual Integration Results

RT: 5.68
Area: 123872
Amount: 3.672312
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:28:05 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

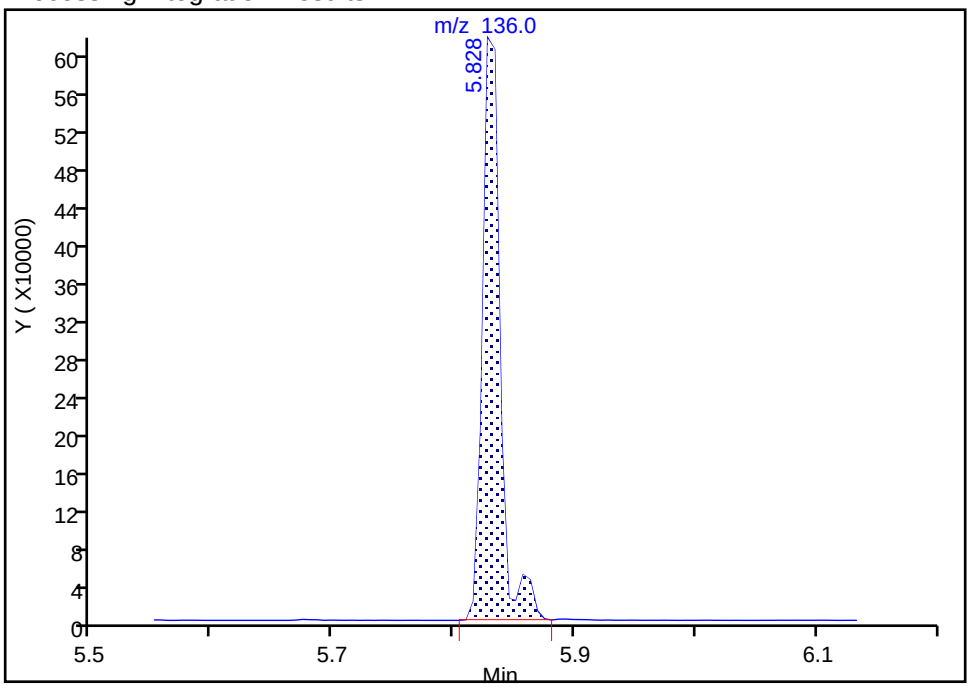
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0105.D				
Injection Date:	01-May-2025 11:17:30	Instrument ID:	HP18831		
Lims ID:	IC L4				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 54 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

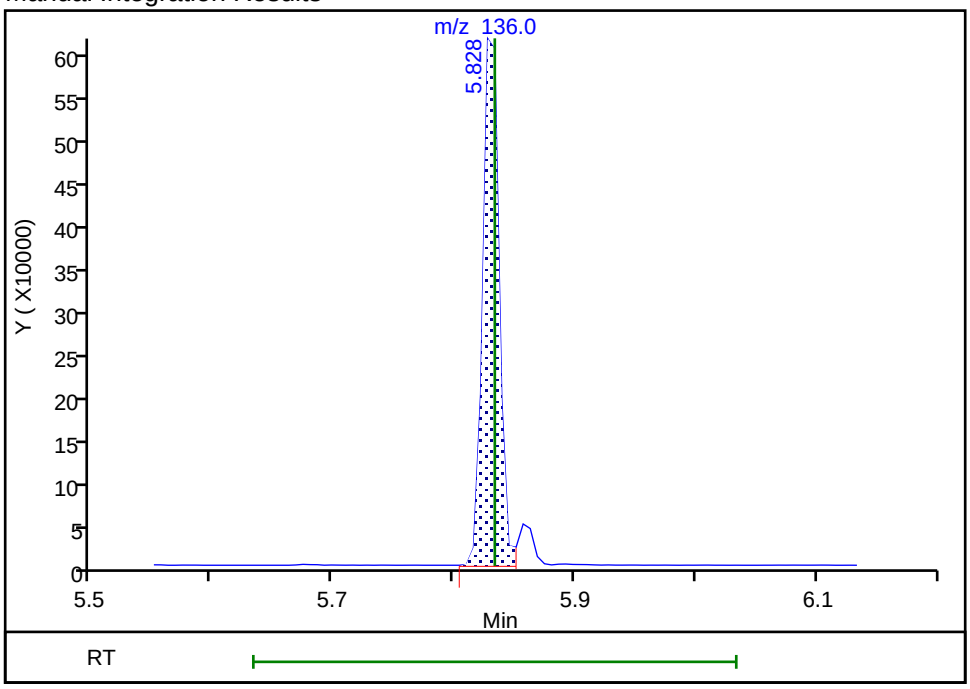
Processing Integration Results

RT: 5.83
Area: 626267
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.83
Area: 586240
Amount: 5.000000
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:27:27 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

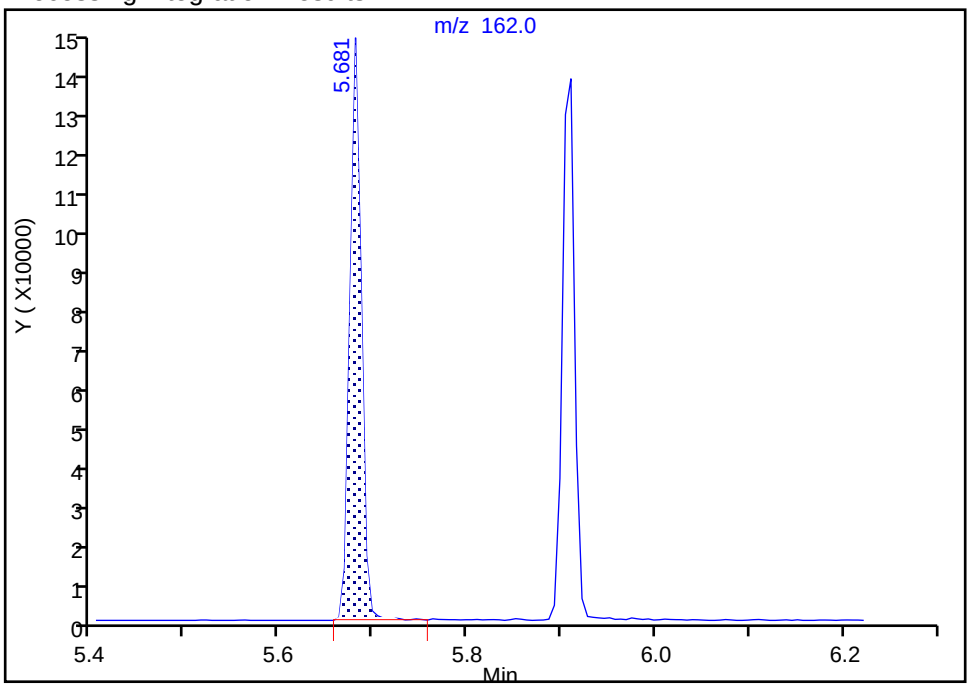
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0105.D				
Injection Date:	01-May-2025 11:17:30	Instrument ID:	HP18831		
Lims ID:	IC L4				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

58 2,6-Dichlorophenol, CAS: 87-65-0

Signal: 1

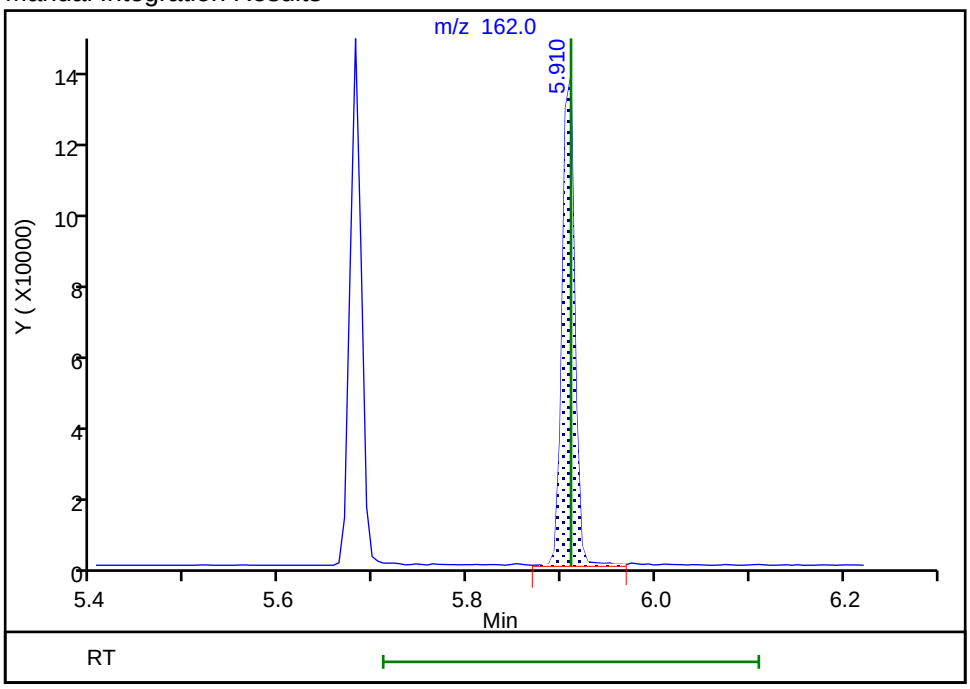
Processing Integration Results

RT: 5.68
Area: 123872
Amount: 3.682968
Amount Units: ug/ml



Manual Integration Results

RT: 5.91
Area: 126019
Amount: 3.657469
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:28:11 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

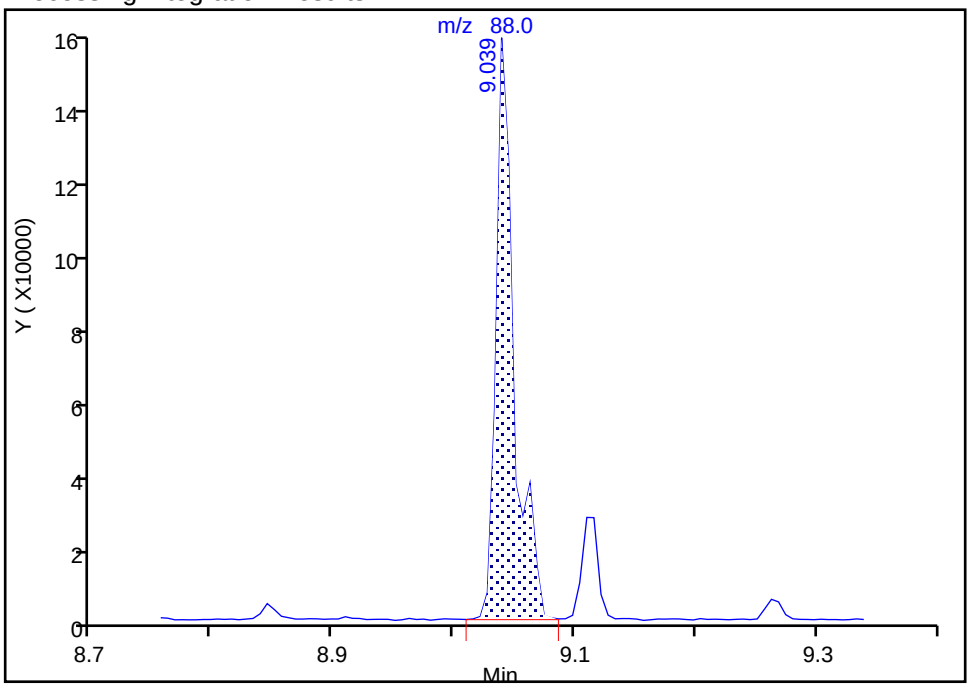
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0105.D				
Injection Date:	01-May-2025 11:17:30	Instrument ID:	HP18831		
Lims ID:	IC L4				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

70 Disulfoton, CAS: 298-04-4

Signal: 1

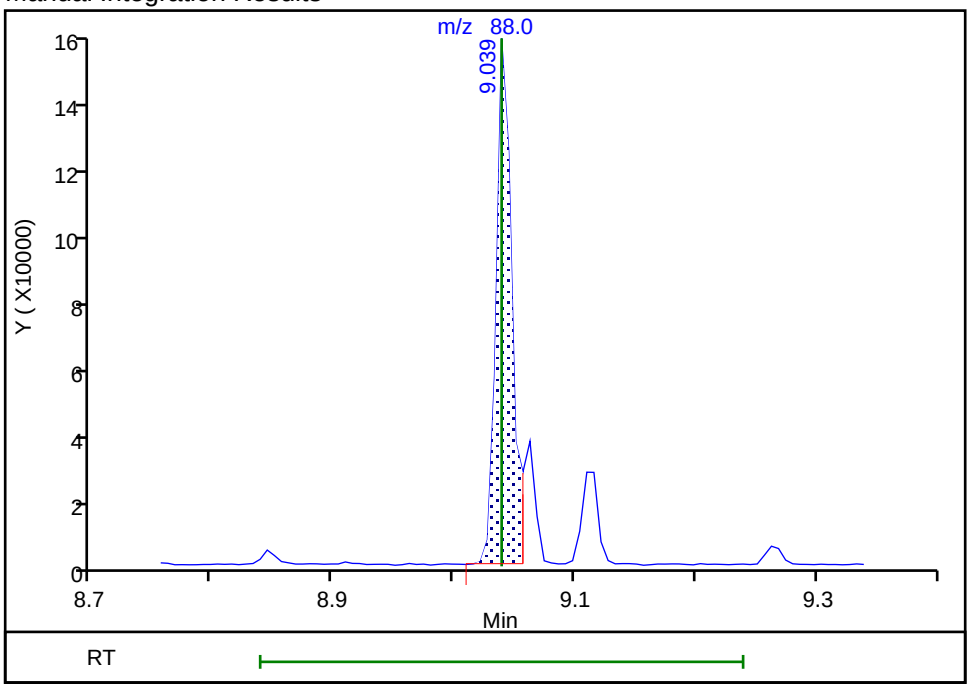
Processing Integration Results

RT: 9.04
Area: 163846
Amount: 3.967288
Amount Units: ug/ml



Manual Integration Results

RT: 9.04
Area: 140154
Amount: 3.243382
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:28:50 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

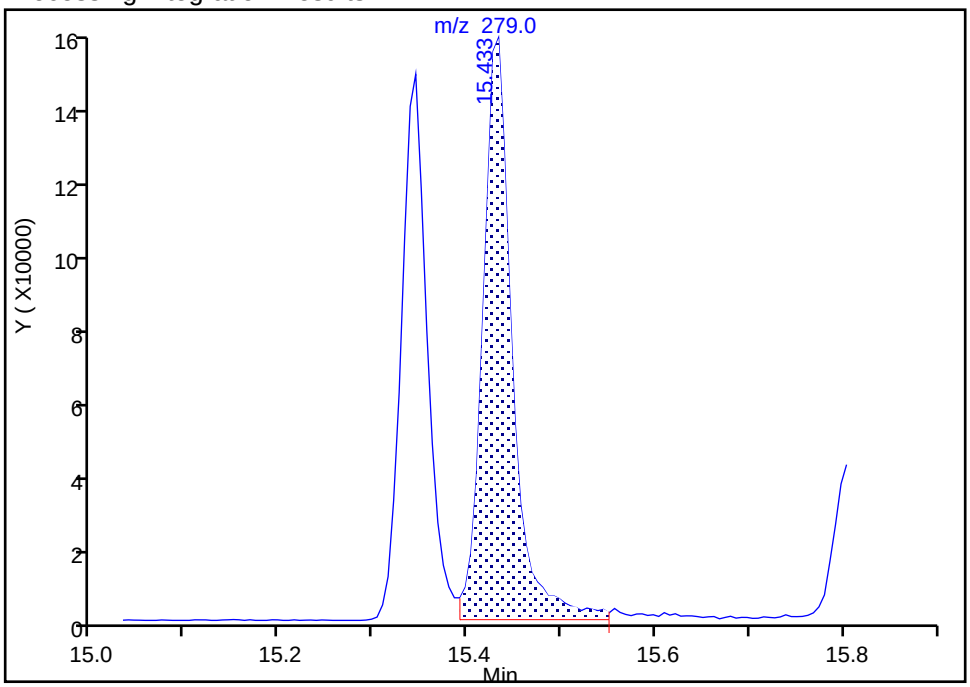
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0105.D				
Injection Date:	01-May-2025 11:17:30	Instrument ID:	HP18831		
Lims ID:	IC L4				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

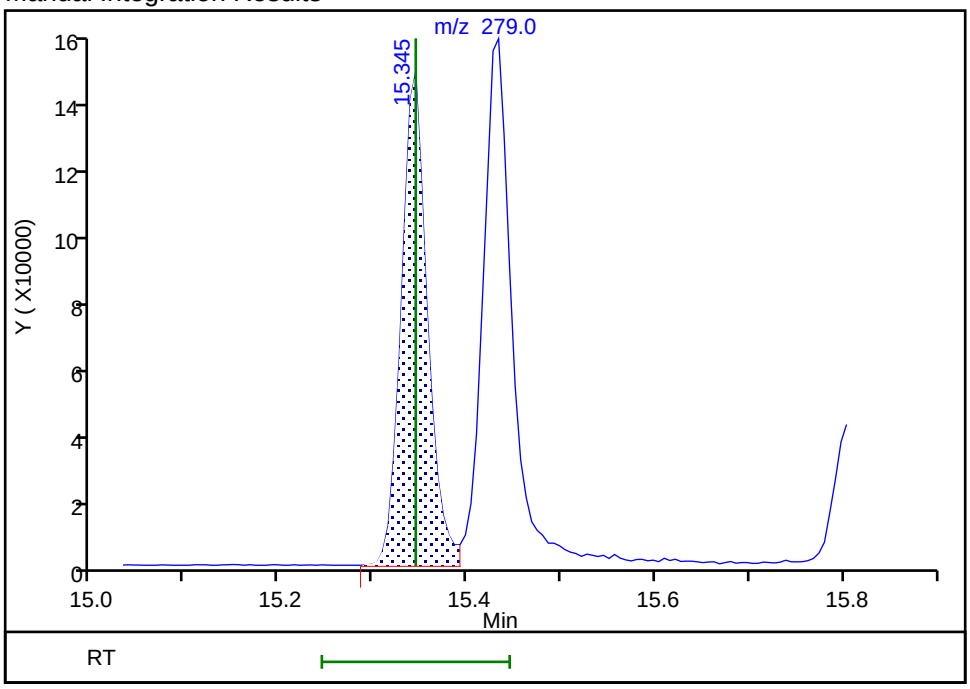
Processing Integration Results

RT: 15.43
Area: 347658
Amount: 4.214070
Amount Units: ug/ml



Manual Integration Results

RT: 15.34
Area: 286802
Amount: 3.692341
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 19:56:09 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

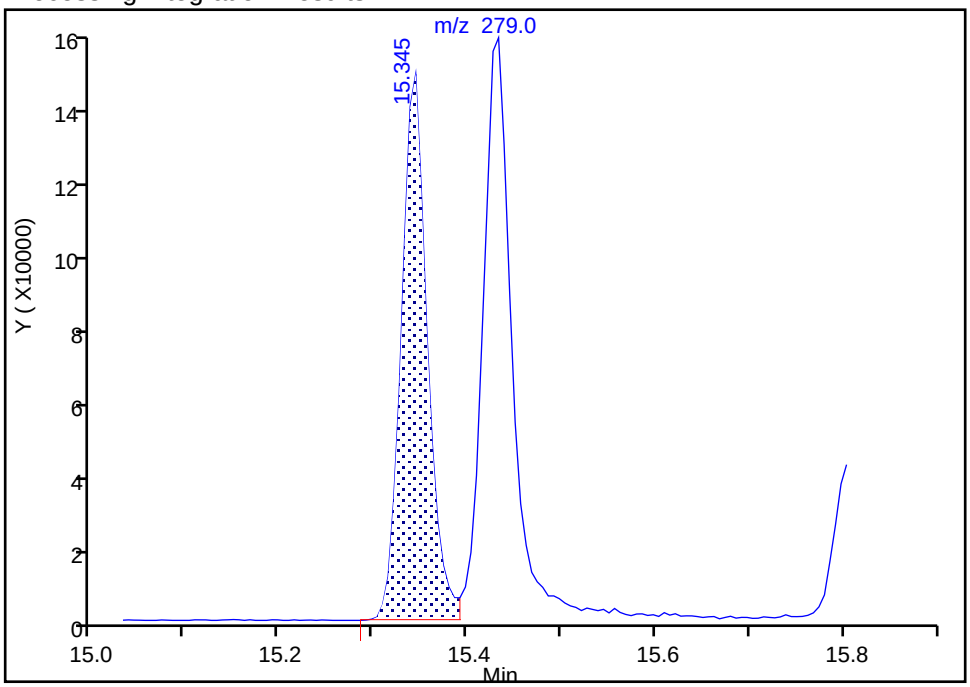
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0105.D				
Injection Date:	01-May-2025 11:17:30	Instrument ID:	HP18831		
Lims ID:	IC L4				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

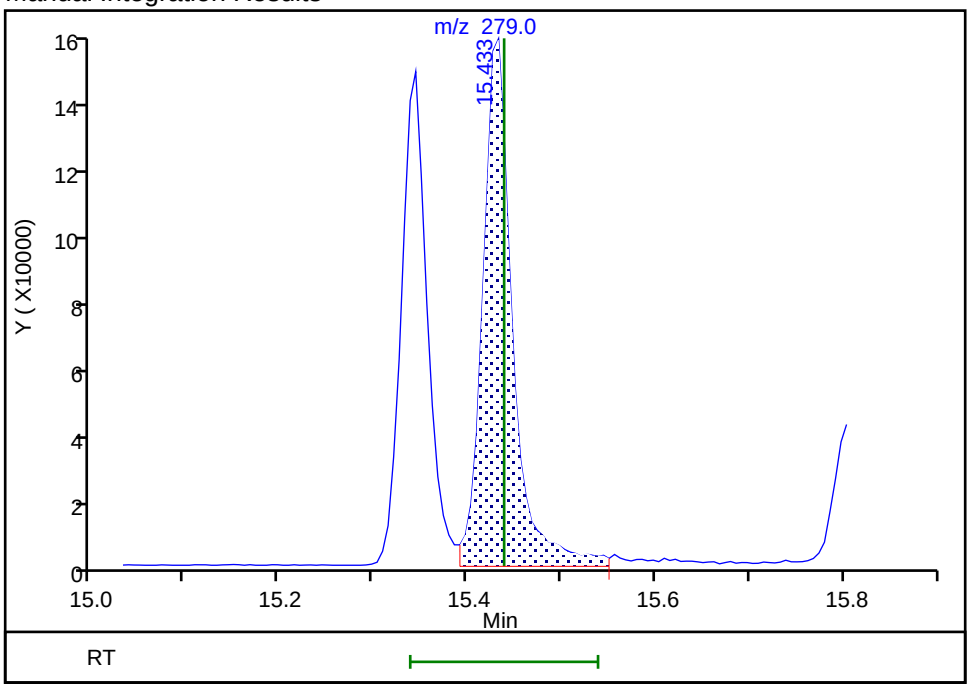
Processing Integration Results

RT: 15.34
Area: 286802
Amount: 2.933530
Amount Units: ug/ml



Manual Integration Results

RT: 15.43
Area: 347658
Amount: 3.810763
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 19:56:13 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

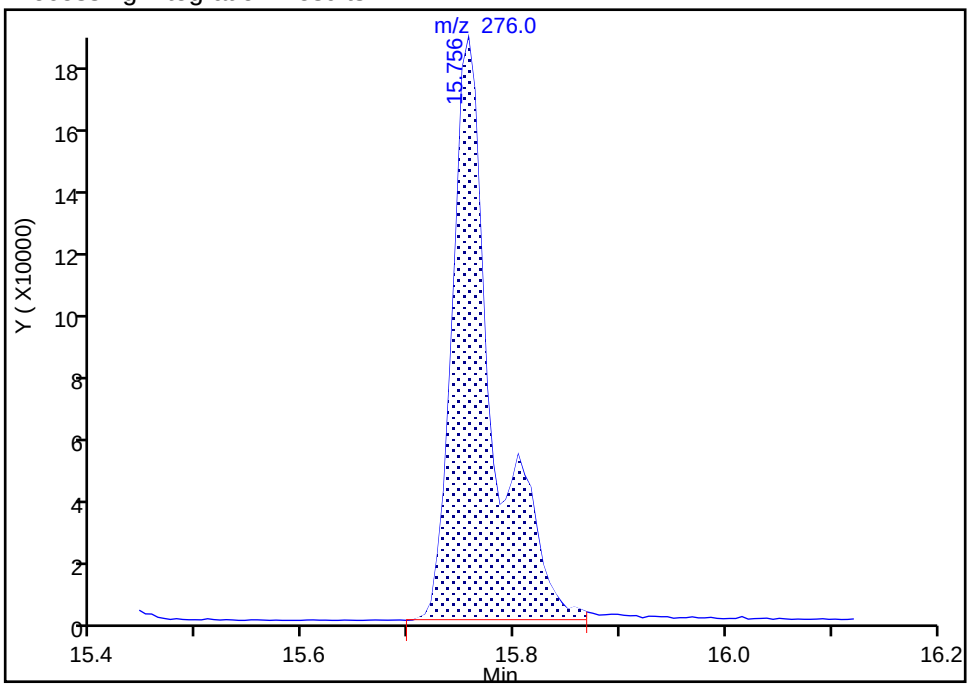
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0105.D
Injection Date: 01-May-2025 11:17:30 Instrument ID: HP18831
Lims ID: IC L4
Client ID:
Operator ID: CJS101602 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

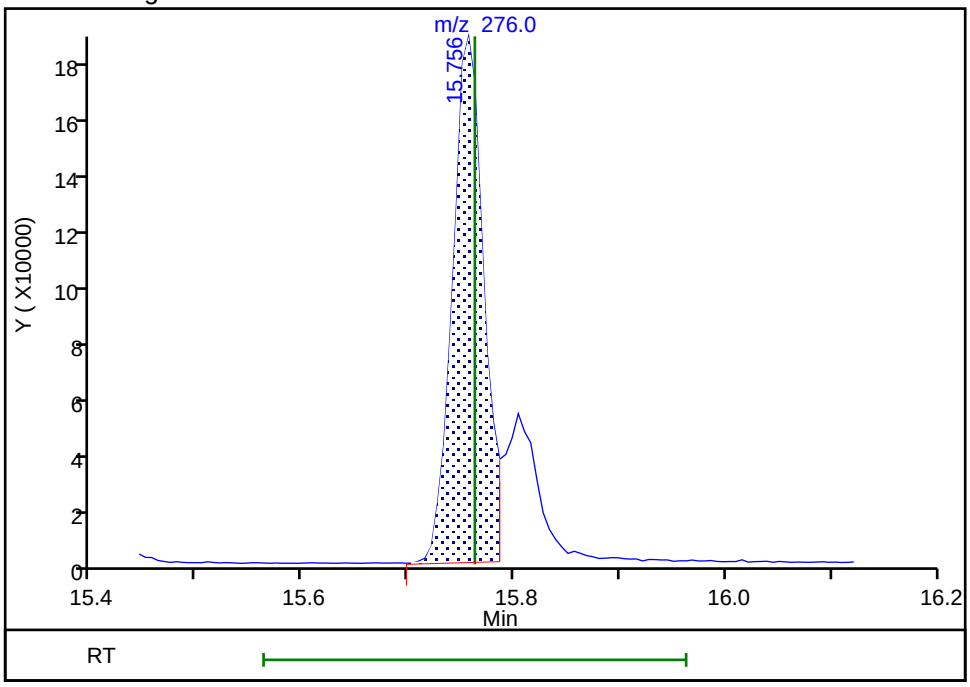
Processing Integration Results

RT: 15.76
Area: 495290
Amount: 4.400805
Amount Units: ug/ml



Manual Integration Results

RT: 15.76
Area: 380466
Amount: 3.722295
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:29:15 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0106.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 01-May-2025 11:38:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0145811-007
Operator ID: CJS101602 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub64

Method: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-May-2025 21:48:57 Calib Date: 01-May-2025 12:22:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

First Level Reviewer: WH7Z Date: 01-May-2025 16:31:45

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	2.216	2.216	0.000	96	21044	1.25	1.29	
	2 N-Nitrosodimethylamine	74	2.399	2.399	0.001	94	29742	1.25	1.19	
	3 Pyridine	79	2.440	2.440	0.000	97	95897	2.50	2.37	
	4 Dimethylformamide	73	2.687	2.669	0.018	95	27651	1.25	1.13	
	5 2-Picoline	93	2.952	2.951	0.001	95	49828	1.25	1.23	
	6 N-Nitrosomethylethylamine	88	3.016	3.016	0.000	94	24479	1.25	1.39	
	9 Methyl methanesulfonate	80	3.246	3.251	-0.005	84	26320	1.25	1.22	
$	10 2-Fluorophenol	112	3.387	3.393	-0.006	90	93343	2.50	2.35	
	11 N-Nitrosodiethylamine	102	3.593	3.593	0.000	95	21272	1.25	1.23	
	13 Ethyl methanesulfonate	109	3.846	3.845	0.001	98	24775	1.25	1.19	
	15 Benzaldehyde	77	4.169	4.175	-0.006	94	42327	1.25	1.25	
$	16 Phenol-d5	99	4.199	4.204	-0.005	98	117296	2.50	2.42	
	17 Phenol	94	4.210	4.216	-0.006	97	59596	1.25	1.20	
	18 Aniline	93	4.263	4.269	-0.006	99	73847	1.25	1.23	
	19 Bis(2-chloroethyl)ether	93	4.316	4.322	-0.006	91	47940	1.25	1.16	
	20 2-Chlorophenol	128	4.381	4.381	0.000	96	50041	1.25	1.20	
	22 1,3-Dichlorobenzene	146	4.534	4.534	0.000	98	61857	1.25	1.24	
*	23 1,4-Dichlorobenzene-d4	152	4.587	4.587	0.000	94	161973	5.00	5.00	
	24 1,4-Dichlorobenzene	146	4.604	4.604	0.000	96	62759	1.25	1.25	
	26 Benzyl alcohol	108	4.699	4.704	-0.006	94	31981	1.25	1.20	
	27 1,2-Dichlorobenzene	146	4.746	4.751	-0.005	97	59027	1.25	1.23	
	30 2-Methylphenol	108	4.799	4.804	-0.006	96	43716	1.25	1.20	a
	32 2,2'-oxybis[1-chloropropane]	45	4.840	4.840	0.000	92	59317	1.25	1.25	
	33 N-Nitrosopyrrolidine	100	4.934	4.934	0.000	90	22053	1.25	1.19	
	36 4-Methylphenol	108	4.951	4.951	0.000	96	47789	1.25	1.23	
	25 alpha,alpha-Dimethyl phenethylam	58		4.963				ND	ND	U
	34 Acetophenone	105	4.963	4.963	0.000	98	75226	1.25	1.20	
	35 N-Nitrosodi-n-propylamine	70	4.963	4.963	0.000	84	34359	1.25	1.17	
	37 N-Nitrosomorpholine	56	4.975	4.975	0.000	88	26504	1.25	1.17	
	38 2-Toluidine	106	4.998	4.998	0.000	95	72182	1.25	1.19	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Hexachloroethane	117	5.081	5.081	0.000	94	24226	1.25	1.20	
$ 41 Nitrobenzene-d5	82	5.110	5.116	-0.006	88	102782	2.50	2.37	
42 Nitrobenzene	77	5.134	5.134	0.000	87	51643	1.25	1.14	
43 N-Nitrosopiperidine	114	5.275	5.281	-0.006	89	22660	1.25	1.22	
45 Isophorone	82	5.369	5.369	0.000	99	95063	1.25	1.23	
46 2-Nitrophenol	139	5.446	5.445	0.001	91	24547	1.25	1.16	
48 2,4-Dimethylphenol	107	5.481	5.481	0.000	94	49324	1.25	1.19	
49 o,o',o''-Triethylphosphorothioat	198	5.557	5.557	0.000	80	26323	1.25	1.16	
51 Bis(2-chloroethoxy)methane	93	5.581	5.581	0.000	98	60534	1.25	1.21	
52 2,4-Dichlorophenol	162	5.681	5.681	0.000	91	45014	1.25	1.24	a
53 1,2,4-Trichlorobenzene	180	5.775	5.775	0.000	94	48994	1.25	1.14	
* 54 Naphthalene-d8	136	5.828	5.834	-0.006	98	633327	5.00	5.00	M
55 Naphthalene	128	5.851	5.851	0.000	97	157978	1.25	1.21	
29 Alpha-Terpineol	59	5.857	5.857	0.000	91	36021	1.25	1.15	
57 4-Chloroaniline	127	5.898	5.898	0.000	97	65134	1.25	1.21	
58 2,6-Dichlorophenol	162	5.904	5.910	-0.006	98	44190	1.25	1.19	a
59 Hexachloropropene	213	5.945	5.945	0.000	89	29154	1.25	1.13	
60 Hexachlorobutadiene	225	5.981	5.981	0.000	96	29174	1.25	1.13	
62 Quinoline	129	6.175	6.181	-0.006	98	100723	1.25	1.22	
63 Caprolactam	113	6.204	6.210	-0.006	80	12794	1.25	1.12	
64 N-Nitrosodi-n-butylamine	84	6.240	6.239	0.001	93	32458	1.25	1.17	
39 p-Phenylene diamine	108	6.245	6.245	0.000	95	41461	1.25	1.02	
66 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	94	41189	1.25	1.21	
67 Safrole, Total	162	6.451	6.451	0.000	93	40076	1.25	1.19	
68 2-Methylnaphthalene	142	6.540	6.539	0.001	91	94544	1.25	1.21	
69 1-Methylnaphthalene	142	6.640	6.639	0.001	92	103121	1.25	1.26	
71 Hexachlorocyclopentadiene	237	6.698	6.698	0.000	94	32848	1.25	1.05	
72 1,2,4,5-Tetrachlorobenzene	216	6.704	6.704	0.000	97	53655	1.25	1.21	
73 Isosafrole Peak 1	162	6.745	6.745	0.000	91	7643	0.2000	0.1975	
74 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	77	32178	1.25	1.12	
75 2,4,5-Trichlorophenol	196	6.845	6.845	0.000	95	35205	1.25	1.14	
$ 76 2-Fluorobiphenyl (Surr)	172	6.904	6.904	0.000	99	264723	2.50	2.48	
77 Isosafrole Peak 2	162	6.969	6.969	0.000	95	40425	1.05	0.9838	
78 1,1'-Biphenyl	154	7.004	7.004	0.000	95	135428	1.25	1.20	
79 2-Chloronaphthalene	162	7.022	7.022	0.000	94	104451	1.25	1.19	
80 1-Chloronaphthalene	162	7.045	7.045	0.000	98	98602	1.25	1.20	
81 Phenyl ether	170	7.110	7.110	0.000	89	78855	1.25	1.21	
82 2-Nitroaniline	138	7.116	7.116	0.000	85	27789	1.25	1.10	
84 1,4-Naphthoquinone	158	7.192	7.192	0.000	92	34386	1.25	1.17	
85 1,4-Dinitrobenzene	168	7.251	7.251	0.000	92	11811	1.25	0.9847	
86 Dimethyl phthalate	163	7.304	7.304	0.000	99	121188	1.25	1.22	
87 1,3-Dinitrobenzene	168	7.322	7.322	0.000	87	15637	1.25	1.03	
88 2,6-Dinitrotoluene	165	7.357	7.357	0.000	93	21258	1.25	1.05	
89 Acenaphthylene	152	7.434	7.433	0.001	98	161895	1.25	1.22	
90 3-Nitroaniline	138	7.516	7.522	-0.006	97	26532	1.25	1.13	
* 91 Acenaphthene-d10	164	7.575	7.575	0.000	94	370267	5.00	5.00	
93 Acenaphthene	153	7.604	7.604	0.000	95	108435	1.25	1.21	
94 2,4-Dinitrophenol	184	7.622	7.622	0.000	86	42124	5.00	5.17	
95 4-Nitrophenol	109	7.669	7.675	-0.006	93	47510	3.75	3.70	
96 Pentachlorobenzene	250	7.734	7.739	-0.005	97	46307	1.25	1.18	
98 2,4-Dinitrotoluene	165	7.751	7.751	0.000	93	31687	1.25	1.15	
97 Dibenzofuran	168	7.775	7.775	0.000	97	155661	1.25	1.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	7.851	7.851	0.000	98	94832	1.25	1.18	
101 2,3,4,6-Tetrachlorophenol	232	7.892	7.892	0.000	73	30437	1.25	1.19	
103 2-Naphthylamine	143	7.928	7.928	0.000	97	105361	1.25	1.23	
104 Diethyl phthalate	149	7.998	8.004	-0.006	98	124519	1.25	1.28	
106 Thionazin	107	8.081	8.080	0.001	80	14680	1.25	1.06	
105 Fluorene	166	8.116	8.116	0.000	90	124870	1.25	1.23	
108 4-Chlorophenyl phenyl ether	204	8.116	8.116	0.000	75	60005	1.25	1.21	
107 N-Nitro-o-toluidine	152	8.116	8.116	0.000	60	28206	1.25	1.11	
109 4-Nitroaniline	138	8.116	8.122	-0.006	61	28643	1.25	1.14	
110 4,6-Dinitro-2-methylphenol	198	8.151	8.157	-0.006	85	48788	3.75	2.68	
111 N-Nitrosodiphenylamine	169	8.228	8.228	0.000	63	86733	1.06	1.02	
112 1,2-Diphenylhydrazine	77	8.269	8.275	-0.006	99	116528	1.25	1.19	
$ 113 2,4,6-Tribromophenol	330	8.351	8.351	0.000	93	42891	2.50	2.21	
114 Sulfotepp	97	8.387	8.392	-0.006	77	18015	1.25	1.20	
172 1,3,5-Trinitrobenzene	213	8.463	8.469	-0.006	85	9020	1.25	1.00	
115 cis-Diallate	86	8.516	8.522	-0.006	81	33658	0.9250	0.8537	
117 Phenacetin	108	8.522	8.522	0.000	89	47784	1.25	1.13	
116 Phorate	75	8.528	8.528	0.000	95	57448	1.25	1.15	
118 4-Bromophenyl phenyl ether	248	8.598	8.598	0.000	65	35107	1.25	1.14	
119 trans-Diallate	86	8.610	8.610	0.000	94	12133	0.3250	0.3248	
120 Hexachlorobenzene	284	8.657	8.657	0.000	95	44662	1.25	1.17	
121 Dimethoate	87	8.681	8.686	-0.005	91	34067	1.25	1.12	
122 Atrazine	200	8.751	8.751	0.000	94	35174	1.25	1.26	
123 Pentachlorophenol	266	8.845	8.845	0.000	91	45933	2.50	1.98	
125 4-Aminobiphenyl	169	8.851	8.851	0.000	91	130869	1.25	1.16	
124 Pentachloronitrobenzene	237	8.863	8.863	0.000	85	15460	1.25	1.15	
126 Pronamide	173	8.910	8.910	0.000	89	47410	1.25	1.11	
128 Dinoseb	211	9.028	9.027	0.001	95	18427	1.25	1.45	
* 127 Phenanthrene-d10	188	9.039	9.039	0.000	96	736523	5.00	5.00	
70 Disulfoton	88	9.039	9.039	0.000	55	68948	1.25	1.33	
S 56 Dinitrotoluene	165				0		2.50	2.21	
129 Phenanthrene	178	9.063	9.063	0.000	97	192163	1.25	1.23	
130 Anthracene	178	9.110	9.116	-0.006	97	185843	1.25	1.22	
131 Carbazole	167	9.263	9.269	-0.006	96	172844	1.25	1.25	
132 Methyl parathion	109	9.404	9.404	0.000	91	27411	1.25	1.03	
133 Di-n-butyl phthalate	149	9.616	9.616	0.000	99	179262	1.25	1.17	
S 65 Diallate	86				0		1.25	1.18	
134 Ethyl Parathion	109	9.792	9.792	0.000	83	17340	1.25	1.08	
135 4-Nitroquinoline-1-oxide	190	9.810	9.816	-0.006	72	8745	1.25	2.46	
136 Octachlorostyrene	308	10.045	10.045	0.000	89	18612	1.25	1.25	
137 Isodrin	193	10.092	10.092	0.000	92	20543	1.25	1.18	
138 Fluoranthene	202	10.233	10.233	0.000	98	195602	1.25	1.23	
139 Benzidine	184	10.363	10.369	-0.006	99	378054	3.75	3.36	
* 140 Pyrene-d10 (IS)	212	10.451	10.451	0.000	99	740615	5.00	5.00	
141 Pyrene	202	10.469	10.469	0.000	98	223430	1.25	1.22	
$ 142 p-Terphenyl-d14	244	10.633	10.633	0.000	99	307224	2.50	2.45	
143 p-Dimethylamino azobenzene	225	10.786	10.786	0.000	93	26704	1.25	0.9149	
144 Chlorobenzilate	139	10.839	10.839	0.000	88	51017	1.25	1.15	
100 Famphur	218		11.121				ND	ND	U
145 3,3'-Dimethylbenzidine	212	11.169	11.169	0.000	99	99975	1.25	1.20	
146 Butyl benzyl phthalate	149	11.192	11.192	0.000	98	70618	1.25	1.01	
147 2-Acetylaminofluorene	181	11.469	11.469	0.001	93	43751	1.25	0.8266	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 92 Aramite, Total	185		11.583				1.25	ND	
149 3,3'-Dichlorobenzidine	252	11.851	11.851	0.000	75	76566	1.25	1.09	
150 4,4'-Methylene bis(2-chloroanil	231	11.857	11.857	0.000	93	32548	1.25	1.12	
148 Benzo[a]anthracene	228	11.880	11.886	-0.006	98	189263	1.25	1.20	
151 Chrysene	228	11.933	11.933	0.000	97	192897	1.25	1.22	
152 Bis(2-ethylhexyl) phthalate	149	11.945	11.945	0.000	94	100921	1.25	0.9871	
153 6-Methylchrysene	242	12.557	12.563	-0.006	99	122043	1.25	1.19	
154 Di-n-octyl phthalate	149	12.880	12.880	0.000	99	130975	1.25	1.47	
156 7,12-Dimethylbenz(a)anthracene	256	13.398	13.404	-0.006	91	69389	1.25	1.03	
155 Benzo[b]fluoranthene	252	13.404	13.410	-0.006	98	186374	1.25	1.19	
157 Benzo[k]fluoranthene	252	13.445	13.451	-0.006	98	193895	1.25	1.17	
158 Benzo[a]pyrene	252	13.886	13.892	-0.006	77	160963	1.25	1.13	
* 159 Perylene-d12	264	13.968	13.974	-0.006	99	662706	5.00	5.00	
160 3-Methylcholanthrene	268	14.427	14.427	0.000	92	73421	1.25	1.04	
161 Dibenz[a,h]acridine	279	15.339	15.345	-0.006	90	109005	1.25	1.10	a
162 Dibenz[a,j]acridine	279	15.433	15.439	-0.006	96	131894	1.25	1.14	a
163 Indeno[1,2,3-cd]pyrene	276	15.751	15.762	-0.011	98	148851	1.25	1.15	M
164 Dibenz(a,h)anthracene	278	15.810	15.809	0.001	91	156255	1.25	1.14	
165 Benzo[g,h,i]perylene	276	16.274	16.280	-0.006	98	158548	1.25	1.18	
S 166 Isosafrole	162				0		1.25	1.18	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_3_00041 Amount Added: 1.00 Units: mL

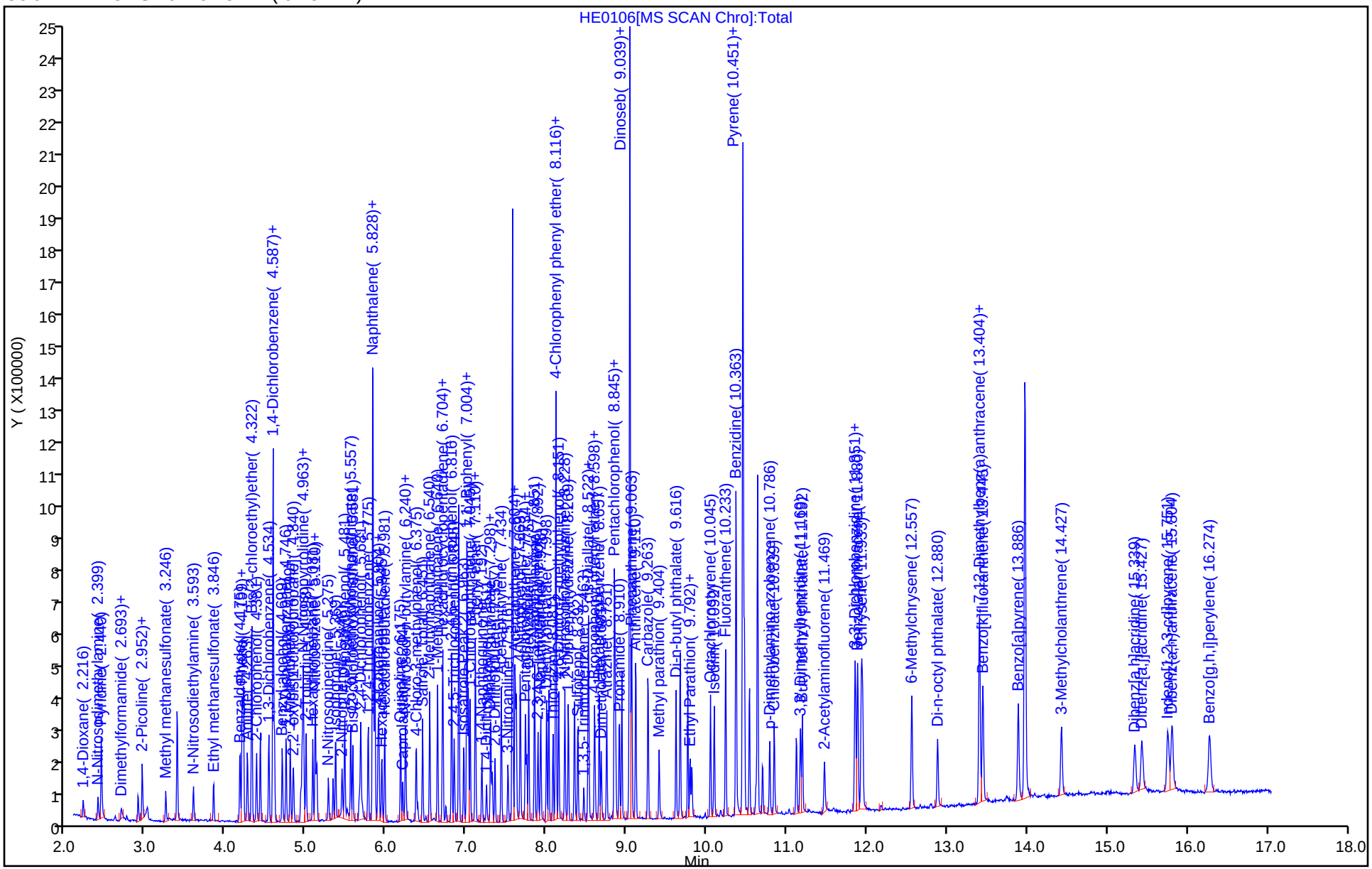
Report Date: 01-May-2025 21:48:58 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0106.D

Injection Date:	01-May-2025 11:38:30	Instrument ID:	HP18831	Operator ID:	CJS101602
Lims ID:	IC L3			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

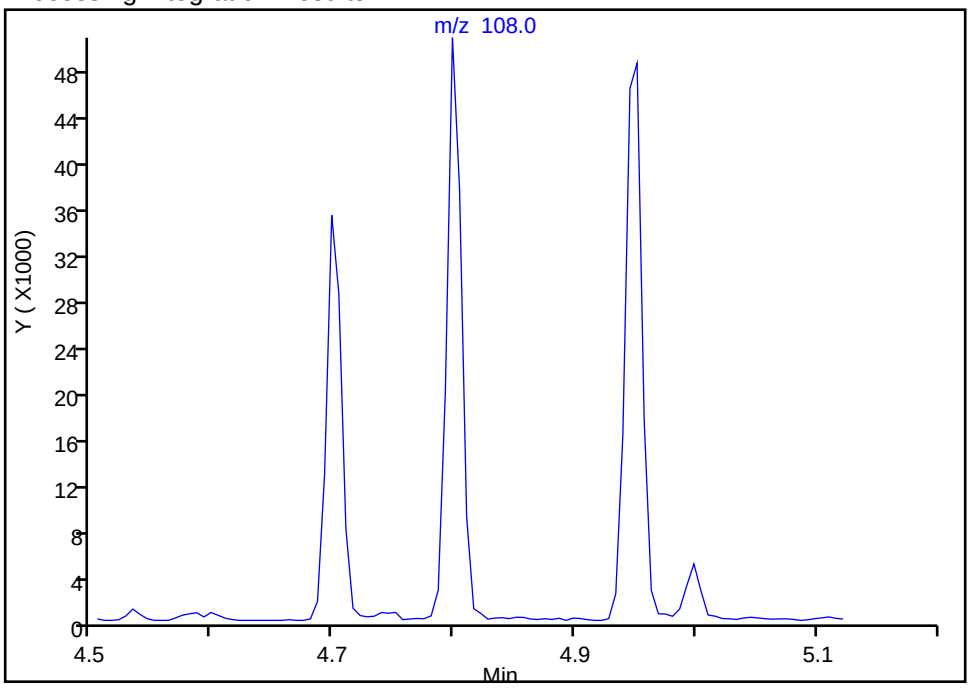
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0106.D				
Injection Date:	01-May-2025 11:38:30	Instrument ID:	HP18831		
Lims ID:	IC L3				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

30 2-Methylphenol, CAS: 95-48-7

Signal: 1

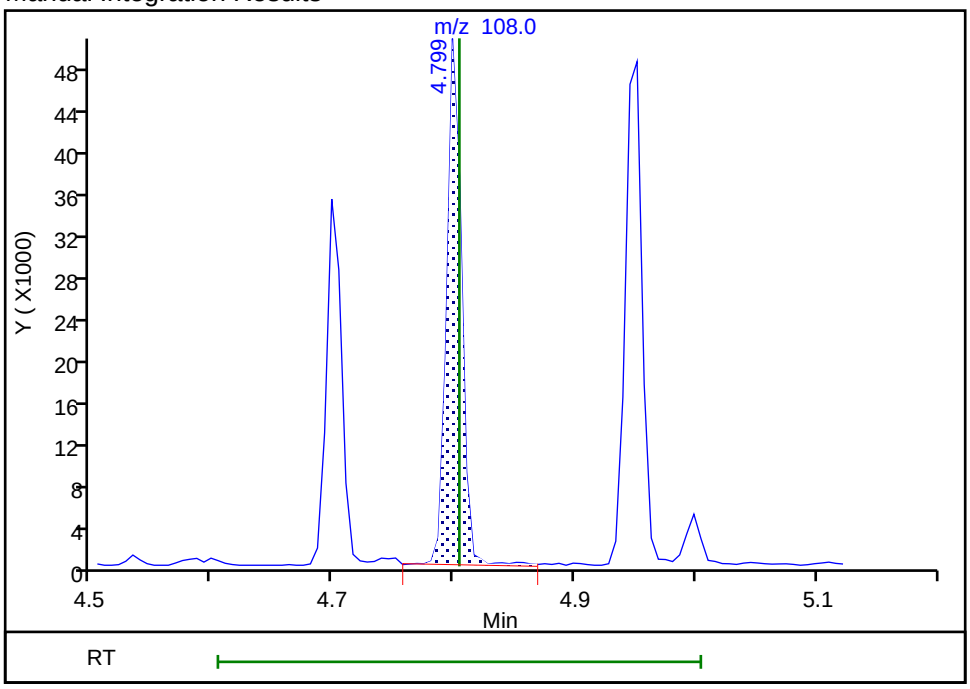
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.80
Area: 43716
Amount: 1.197962
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:30:13 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

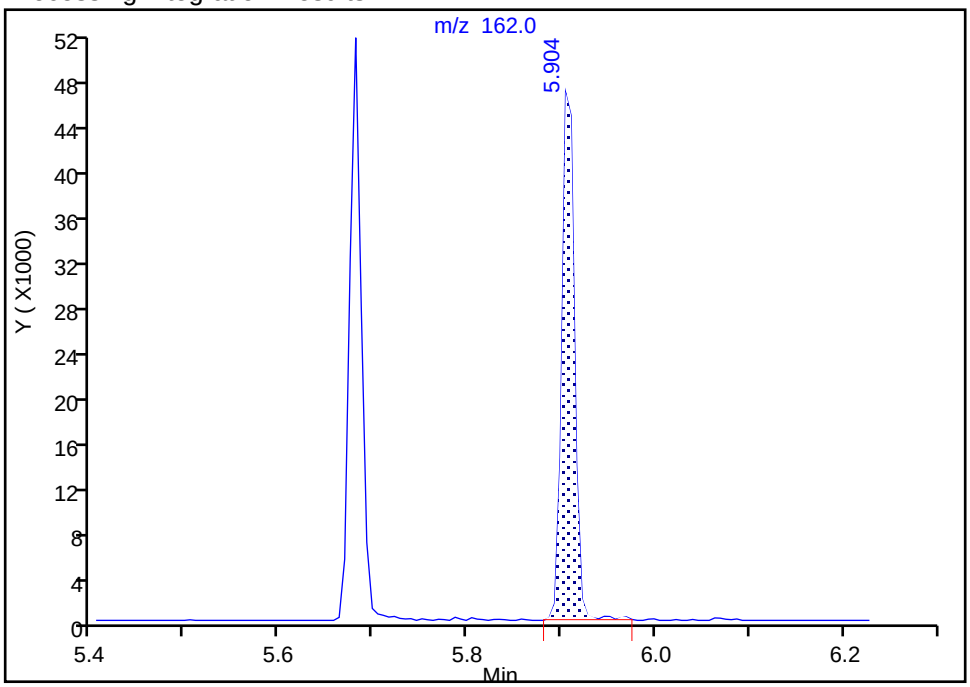
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0106.D				
Injection Date:	01-May-2025 11:38:30	Instrument ID:	HP18831		
Lims ID:	IC L3				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

52 2,4-Dichlorophenol, CAS: 120-83-2

Signal: 1

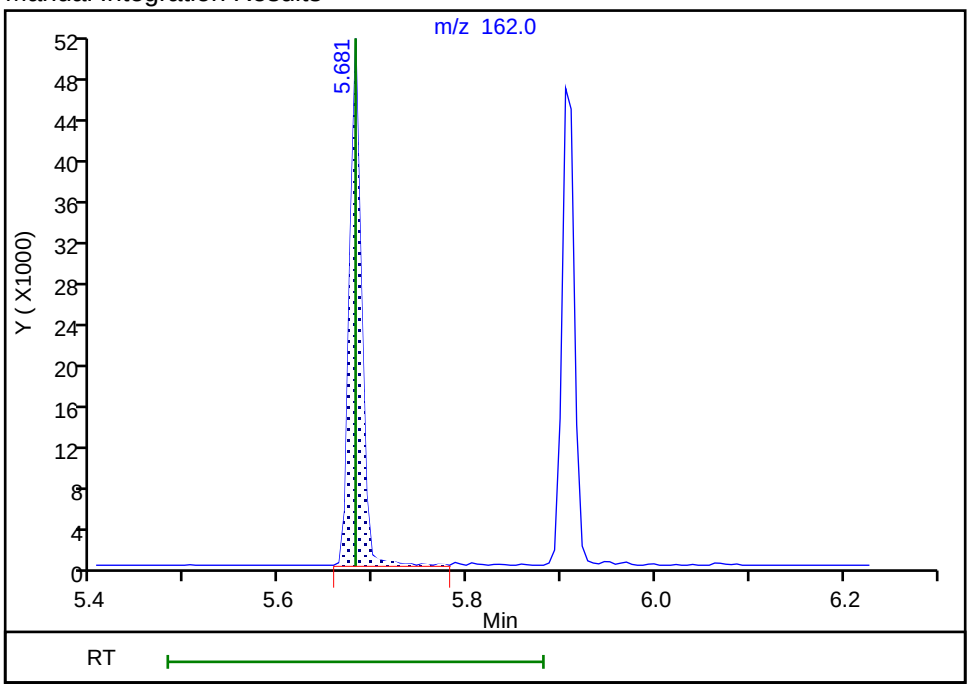
Processing Integration Results

RT: 5.90
Area: 44190
Amount: 1.189430
Amount Units: ug/ml



Manual Integration Results

RT: 5.68
Area: 45014
Amount: 1.235269
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:30:40 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

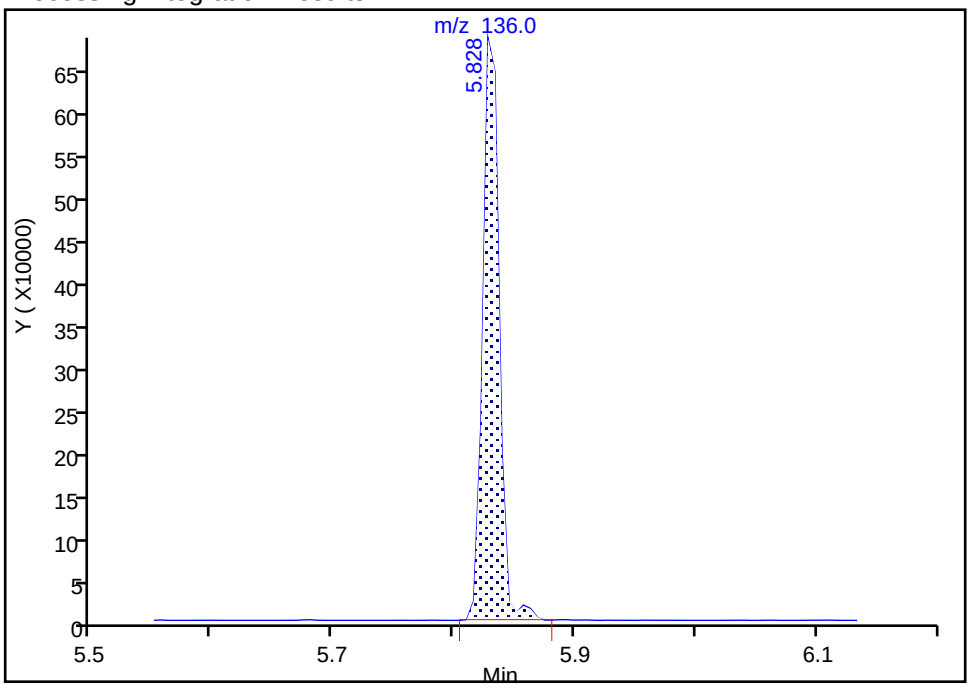
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0106.D				
Injection Date:	01-May-2025 11:38:30	Instrument ID:	HP18831		
Lims ID:	IC L3				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 54 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

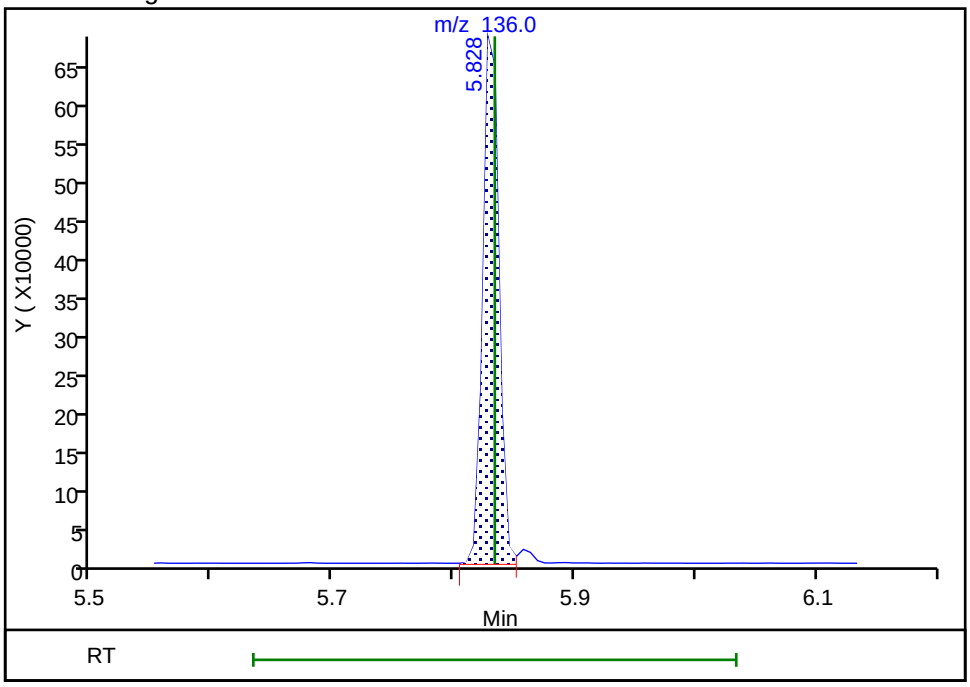
Processing Integration Results

RT: 5.83
Area: 647504
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.83
Area: 633327
Amount: 5.000000
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:29:47 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

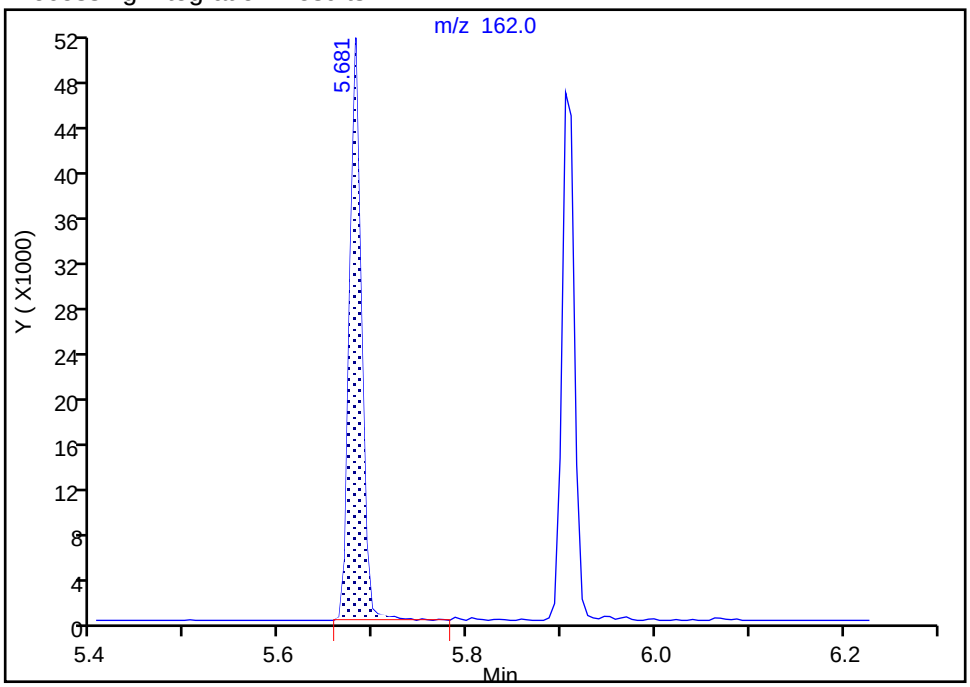
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0106.D				
Injection Date:	01-May-2025 11:38:30	Instrument ID:	HP18831		
Lims ID:	IC L3				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

58 2,6-Dichlorophenol, CAS: 87-65-0

Signal: 1

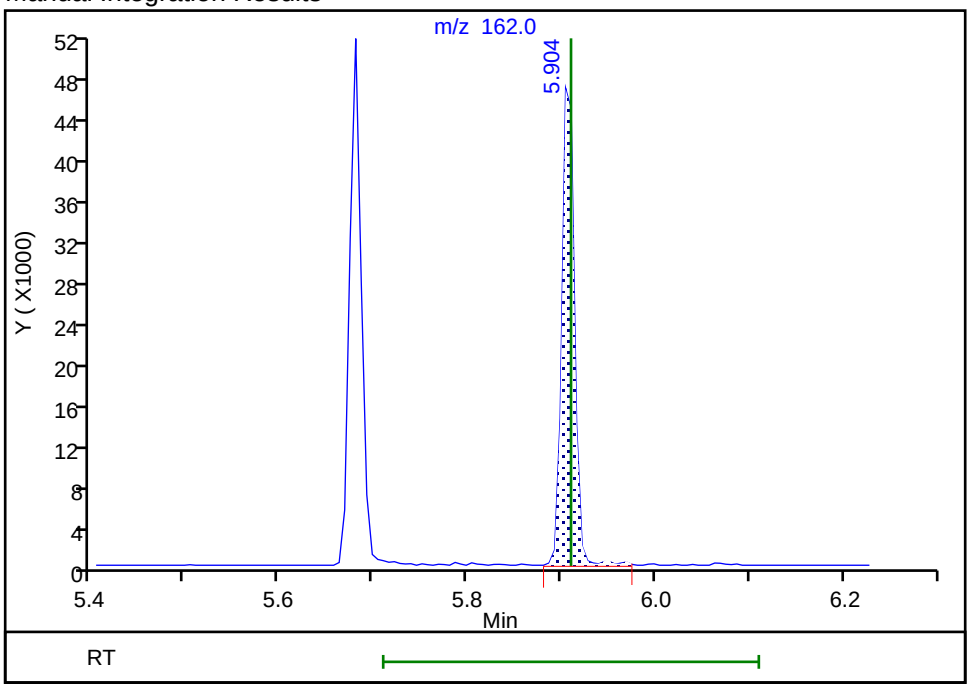
Processing Integration Results

RT: 5.68
Area: 45014
Amount: 1.232886
Amount Units: ug/ml



Manual Integration Results

RT: 5.90
Area: 44190
Amount: 1.187179
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:30:45 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

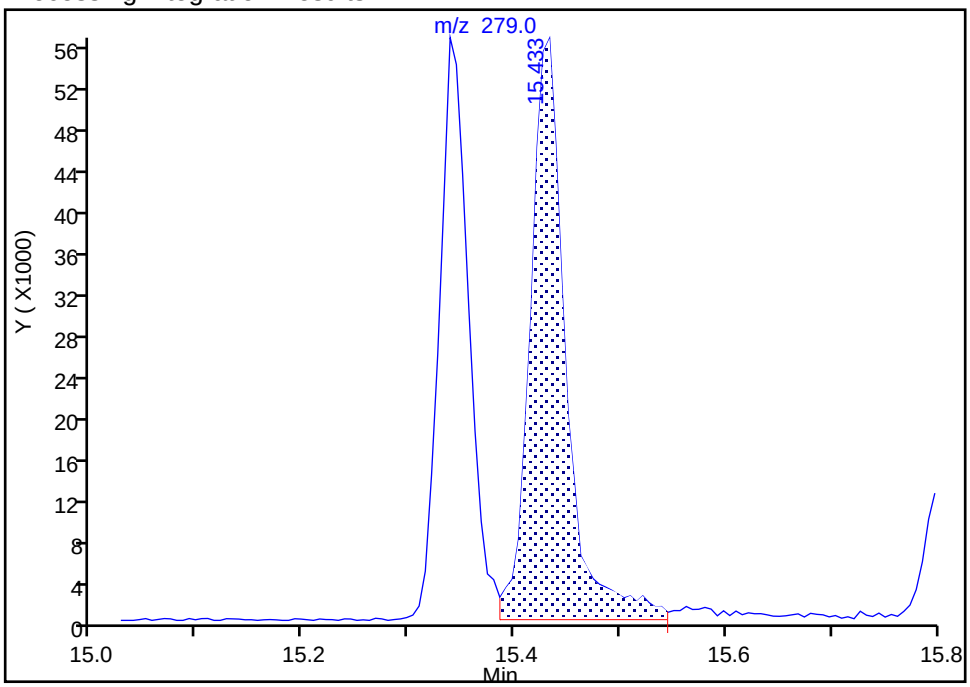
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0106.D				
Injection Date:	01-May-2025 11:38:30	Instrument ID:	HP18831		
Lims ID:	IC L3				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

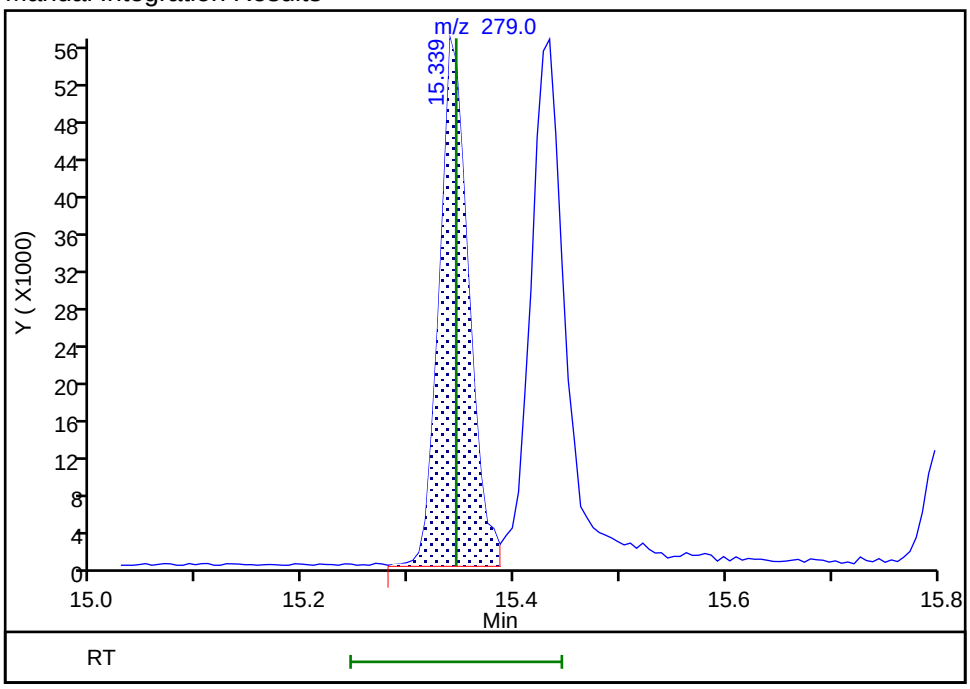
Processing Integration Results

RT: 15.43
Area: 131894
Amount: 1.289511
Amount Units: ug/ml



Manual Integration Results

RT: 15.34
Area: 109005
Amount: 1.104090
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 19:57:07 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

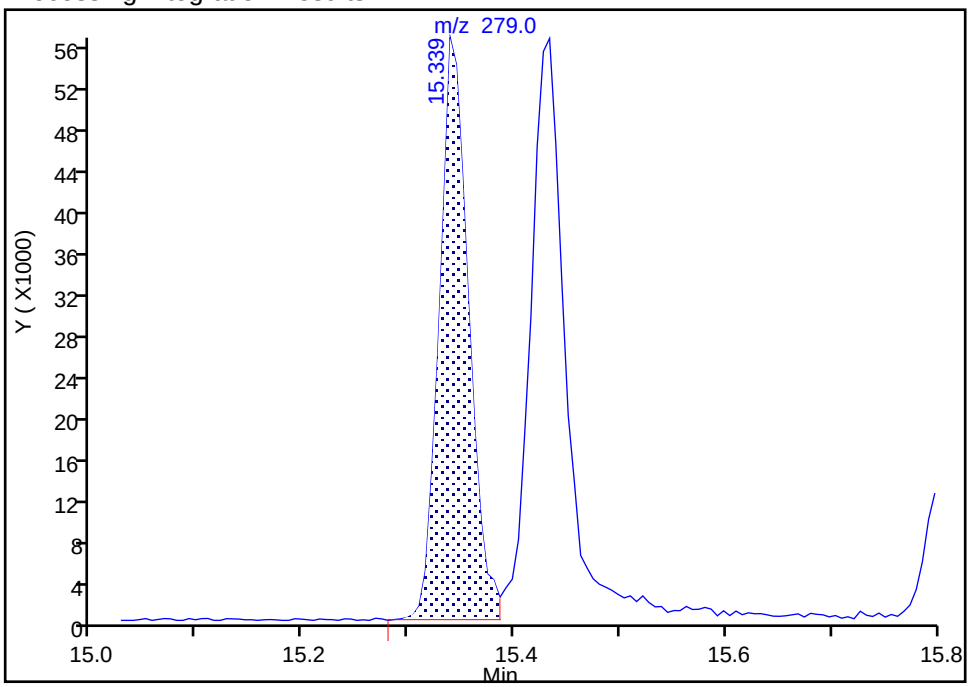
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0106.D
Injection Date: 01-May-2025 11:38:30 Instrument ID: HP18831
Lims ID: IC L3
Client ID:
Operator ID: CJS101602 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

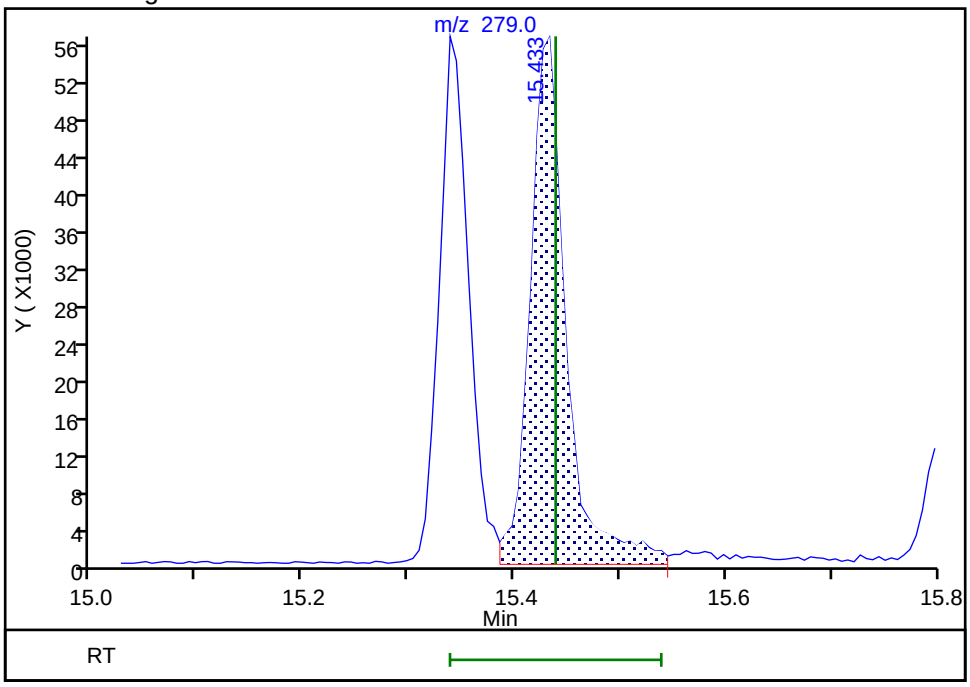
Processing Integration Results

RT: 15.34
Area: 109005
Amount: 0.927117
Amount Units: ug/ml



Manual Integration Results

RT: 15.43
Area: 131894
Amount: 1.137426
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 19:57:12 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

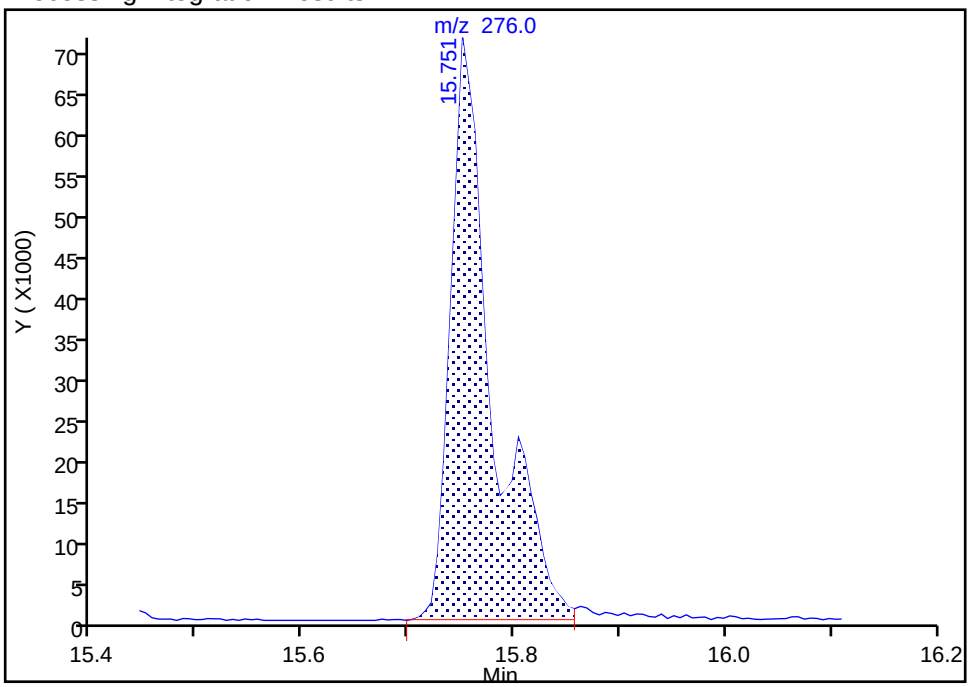
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0106.D
Injection Date: 01-May-2025 11:38:30 Instrument ID: HP18831
Lims ID: IC L3
Client ID:
Operator ID: CJS101602 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

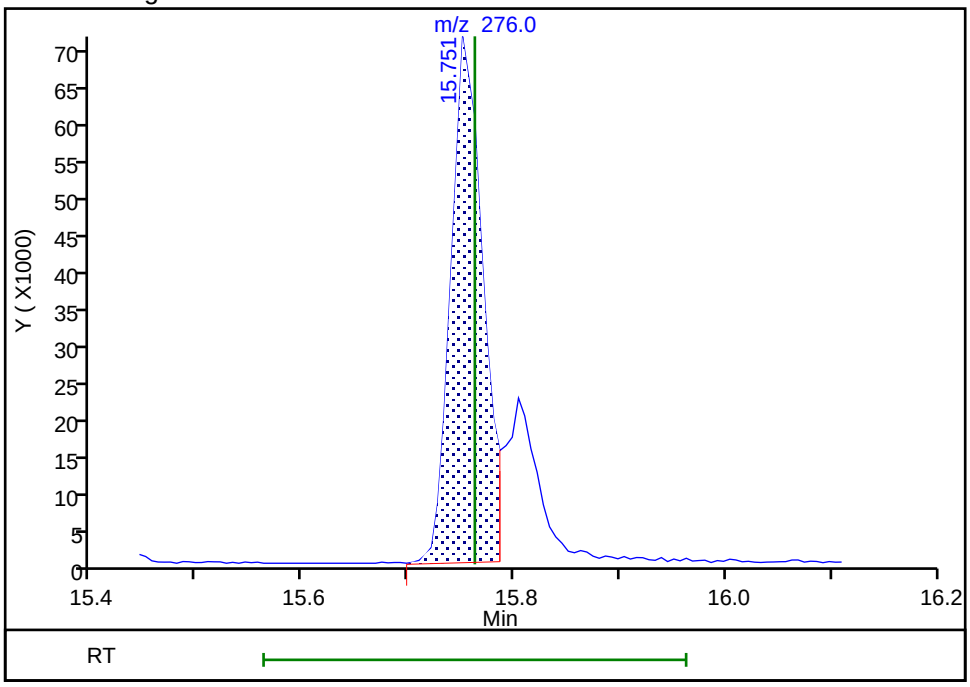
Processing Integration Results

RT: 15.75
Area: 194977
Amount: 1.410980
Amount Units: ug/ml



Manual Integration Results

RT: 15.75
Area: 148851
Amount: 1.145738
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:31:27 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0107.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-May-2025 12:00:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0145811-008
Operator ID: CJS101602 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub64

Method: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-May-2025 21:49:04 Calib Date: 01-May-2025 12:22:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

First Level Reviewer: WH7Z Date: 01-May-2025 16:34:41

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	2.216	2.216	0.000	89	5411	0.2500	0.3552	
	2 N-Nitrosodimethylamine	74	2.404	2.399	0.006	93	6650	0.2500	0.2847	
	3 Pyridine	79	2.452	2.440	0.012	94	17034	0.5000	0.4513	
	4 Dimethylformamide	73	2.734	2.669	0.065	69	4038	0.2500	0.1770	
	5 2-Picoline	93	2.957	2.951	0.006	93	8553	0.2500	0.2266	
	6 N-Nitrosomethylethylamine	88	3.016	3.016	0.000	86	6647	0.2500	0.4045	
	9 Methyl methanesulfonate	80	3.246	3.251	-0.005	88	5392	0.2500	0.2689	
$	10 2-Fluorophenol	112	3.387	3.393	-0.006	90	16690	0.5000	0.4511	
	11 N-Nitrosodiethylamine	102	3.593	3.593	0.000	90	3567	0.2500	0.2208	
	13 Ethyl methanesulfonate	109	3.846	3.845	0.001	95	4931	0.2500	0.2543	
	15 Benzaldehyde	77	4.175	4.175	0.000	95	9471	0.2500	0.2994	
$	16 Phenol-d5	99	4.198	4.204	-0.006	96	19268	0.5000	0.4263	
	17 Phenol	94	4.210	4.216	-0.006	62	10435	0.2500	0.2259	
	18 Aniline	93	4.269	4.269	0.000	98	12451	0.2500	0.2225	
	19 Bis(2-chloroethyl)ether	93	4.322	4.322	0.000	85	9338	0.2500	0.2420	
	20 2-Chlorophenol	128	4.381	4.381	0.000	94	8412	0.2500	0.2157	
	22 1,3-Dichlorobenzene	146	4.534	4.534	0.000	95	11080	0.2500	0.2391	
*	23 1,4-Dichlorobenzene-d4	152	4.587	4.587	0.000	95	150922	5.00	5.00	
	24 1,4-Dichlorobenzene	146	4.604	4.604	0.000	94	10729	0.2500	0.2293	
	26 Benzyl alcohol	108	4.698	4.704	-0.006	93	5980	0.2500	0.2406	
	27 1,2-Dichlorobenzene	146	4.751	4.751	0.000	94	10286	0.2500	0.2298	
	30 2-Methylphenol	108	4.798	4.804	-0.006	91	8219	0.2500	0.2417	
	32 2,2'-oxybis[1-chloropropane]	45	4.840	4.840	0.000	92	11002	0.2500	0.2482	
	33 N-Nitrosopyrrolidine	100	4.934	4.934	0.000	80	4158	0.2500	0.2406	
	36 4-Methylphenol	108	4.945	4.951	-0.006	93	8803	0.2500	0.2424	
	25 alpha,alpha-Dimethyl phenethylam	58		4.963				ND	ND	U
	34 Acetophenone	105	4.963	4.963	0.000	92	13529	0.2500	0.2311	
	35 N-Nitrosodi-n-propylamine	70	4.963	4.963	0.000	61	6177	0.2500	0.2248	
	37 N-Nitrosomorpholine	56	4.975	4.975	0.000	83	5215	0.2500	0.2473	
	38 2-Toluidine	106	4.998	4.998	0.000	95	14016	0.2500	0.2472	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Hexachloroethane	117	5.081	5.081	0.000	89	4408	0.2500	0.2343	
$ 41 Nitrobenzene-d5	82	5.110	5.116	-0.006	90	17087	0.5000	0.4332	
42 Nitrobenzene	77	5.128	5.134	-0.006	84	11212	0.2500	0.2713	
43 N-Nitrosopiperidine	114	5.281	5.281	0.000	86	3621	0.2500	0.2147	
45 Isophorone	82	5.369	5.369	0.000	98	16055	0.2500	0.2295	
46 2-Nitrophenol	139	5.445	5.445	0.000	91	3899	0.2500	0.2027	
48 2,4-Dimethylphenol	107	5.481	5.481	0.000	92	9457	0.2500	0.2501	
49 o,o',o''-Triethylphosphorothioat	198	5.557	5.557	0.000	76	4970	0.2500	0.2411	
51 Bis(2-chloroethoxy)methane	93	5.581	5.581	0.000	97	10755	0.2500	0.2374	
52 2,4-Dichlorophenol	162	5.681	5.681	0.000	90	6597	0.2500	0.1992	a
53 1,2,4-Trichlorobenzene	180	5.769	5.775	-0.006	94	9446	0.2500	0.2416	
* 54 Naphthalene-d8	136	5.828	5.834	-0.006	99	575472	5.00	5.00	
55 Naphthalene	128	5.851	5.851	0.000	97	26699	0.2500	0.2244	
29 Alpha-Terpineol	59	5.857	5.857	0.000	86	7017	0.2500	0.2464	
57 4-Chloroaniline	127	5.898	5.898	0.000	96	11009	0.2500	0.2256	
58 2,6-Dichlorophenol	162	5.904	5.910	-0.006	95	7618	0.2500	0.2252	a
59 Hexachloropropene	213	5.945	5.945	0.000	85	5790	0.2500	0.2470	
60 Hexachlorobutadiene	225	5.981	5.981	0.000	94	5756	0.2500	0.2459	
62 Quinoline	129	6.181	6.181	0.000	98	18326	0.2500	0.2442	
63 Caprolactam	113	6.204	6.210	-0.006	88	1746	0.2500	0.1685	
64 N-Nitrosodi-n-butylamine	84	6.234	6.239	-0.005	92	5610	0.2500	0.2221	
39 p-Phenylene diamine	108	6.245	6.245	0.000	78	5549	0.2500	0.1499	
66 4-Chloro-3-methylphenol	107	6.369	6.375	-0.006	94	6879	0.2500	0.2222	
67 Safrole, Total	162	6.451	6.451	0.000	92	7350	0.2500	0.2412	
68 2-Methylnaphthalene	142	6.539	6.539	0.000	90	16155	0.2500	0.2282	
69 1-Methylnaphthalene	142	6.639	6.639	0.000	92	17405	0.2500	0.2342	
71 Hexachlorocyclopentadiene	237	6.698	6.698	0.000	90	5372	0.2500	0.2045	
72 1,2,4,5-Tetrachlorobenzene	216	6.704	6.704	0.000	97	8575	0.2500	0.2300	
73 Isosafrole Peak 1	162	6.745	6.745	0.000	45	1309	0.0400	0.0401	a
74 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	80	5716	0.2500	0.2361	
75 2,4,5-Trichlorophenol	196	6.845	6.845	0.000	89	5637	0.2500	0.2165	
$ 76 2-Fluorobiphenyl (Surr)	172	6.904	6.904	0.000	98	42782	0.5000	0.4745	
77 Isosafrole Peak 2	162	6.963	6.969	-0.006	93	7367	0.2100	0.2126	
78 1,1'-Biphenyl	154	7.004	7.004	0.000	95	23590	0.2500	0.2482	
79 2-Chloronaphthalene	162	7.022	7.022	0.000	94	17651	0.2500	0.2379	
80 1-Chloronaphthalene	162	7.045	7.045	0.000	98	17241	0.2500	0.2491	
81 Phenyl ether	170	7.110	7.110	0.000	88	13204	0.2500	0.2406	
82 2-Nitroaniline	138	7.116	7.116	0.000	66	4156	0.2500	0.1944	
84 1,4-Naphthoquinone	158	7.192	7.192	0.000	88	5017	0.2500	0.2033	
85 1,4-Dinitrobenzene	168	7.251	7.251	0.000	86	2133	0.2500	0.2109	
86 Dimethyl phthalate	163	7.298	7.304	-0.006	99	19070	0.2500	0.2274	
87 1,3-Dinitrobenzene	168	7.322	7.322	0.000	83	2124	0.2500	0.1662	
88 2,6-Dinitrotoluene	165	7.357	7.357	0.000	90	3255	0.2500	0.1913	
89 Acenaphthylene	152	7.434	7.433	0.001	97	24838	0.2500	0.2218	
90 3-Nitroaniline	138	7.516	7.522	-0.006	95	3936	0.2500	0.1985	
* 91 Acenaphthene-d10	164	7.575	7.575	0.000	94	312262	5.00	5.00	
93 Acenaphthene	153	7.604	7.604	0.000	92	18102	0.2500	0.2386	
94 2,4-Dinitrophenol	184	7.622	7.622	0.000	87	15648	2.50	3.65	
95 4-Nitrophenol	109	7.669	7.675	-0.006	88	12729	1.50	1.18	
96 Pentachlorobenzene	250	7.734	7.739	-0.005	95	8013	0.2500	0.2416	
98 2,4-Dinitrotoluene	165	7.751	7.751	0.000	90	4682	0.2500	0.2019	
97 Dibenzofuran	168	7.775	7.775	0.000	95	25523	0.2500	0.2397	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	7.851	7.851	0.000	97	14555	0.2500	0.2152	
101 2,3,4,6-Tetrachlorophenol	232	7.892	7.892	0.000	72	4456	0.2500	0.2063	
103 2-Naphthylamine	143	7.928	7.928	0.000	97	16555	0.2500	0.2290	
104 Diethyl phthalate	149	7.998	8.004	-0.006	97	18980	0.2500	0.2311	
106 Thionazin	107	8.081	8.080	0.001	82	3182	0.2500	0.2729	
105 Fluorene	166	8.116	8.116	0.000	92	19637	0.2500	0.2291	
108 4-Chlorophenyl phenyl ether	204	8.116	8.116	0.000	74	8870	0.2500	0.2113	
107 N-Nitro-o-toluidine	152	8.116	8.116	0.000	58	4064	0.2500	0.1903	
109 4-Nitroaniline	138	8.116	8.122	-0.006	57	3657	0.2500	0.1722	
110 4,6-Dinitro-2-methylphenol	198	8.151	8.157	-0.006	85	12221	1.50	0.8610	
111 N-Nitrosodiphenylamine	169	8.228	8.228	0.000	68	12627	0.2125	0.1903	
112 1,2-Diphenylhydrazine	77	8.269	8.275	-0.006	97	18142	0.2500	0.2381	
$ 113 2,4,6-Tribromophenol	330	8.351	8.351	0.000	91	6450	0.5000	0.3944	
114 Sulfotepp	97	8.386	8.392	-0.006	73	3019	0.2500	0.2576	
172 1,3,5-Trinitrobenzene	213	8.463	8.469	-0.006	83	1307	0.2500	0.1860	
115 cis-Diallate	86	8.516	8.522	-0.006	78	6109	0.1850	0.1991	
117 Phenacetin	108	8.522	8.522	0.000	80	6855	0.2500	0.2082	
116 Phorate	75	8.522	8.528	-0.006	93	7892	0.2500	0.2035	
118 4-Bromophenyl phenyl ether	248	8.598	8.598	0.000	65	5579	0.2500	0.2334	
119 trans-Diallate	86	8.604	8.610	-0.006	65	2799	0.0650	0.0963	
120 Hexachlorobenzene	284	8.657	8.657	0.000	91	7480	0.2500	0.2527	
121 Dimethoate	87	8.681	8.686	-0.005	92	4668	0.2500	0.1964	
122 Atrazine	200	8.745	8.751	-0.006	88	4010	0.2500	0.1844	
123 Pentachlorophenol	266	8.845	8.845	0.000	86	17015	1.25	0.9426	
125 4-Aminobiphenyl	169	8.845	8.851	-0.006	88	20768	0.2500	0.2359	
124 Pentachloronitrobenzene	237	8.857	8.863	-0.006	76	1966	0.2500	0.1881	
126 Pronamide	173	8.904	8.910	-0.006	87	6936	0.2500	0.2090	
128 Dinoseb	211	9.028	9.027	0.001	60	2524	0.2500	0.8966	
* 127 Phenanthrene-d10	188	9.039	9.039	0.000	96	573291	5.00	5.00	
70 Disulfoton	88	9.039	9.039	0.000	53	14126	0.2500	0.3502	
S 56 Dinitrotoluene	165				0		0.5000	0.3932	
129 Phenanthrene	178	9.063	9.063	0.000	94	29326	0.2500	0.2421	
130 Anthracene	178	9.110	9.116	-0.006	97	26558	0.2500	0.2232	
131 Carbazole	167	9.263	9.269	-0.006	96	23375	0.2500	0.2163	
132 Methyl parathion	109	9.404	9.404	0.000	89	4079	0.2500	0.1968	
133 Di-n-butyl phthalate	149	9.616	9.616	0.000	99	22812	0.2500	0.1910	
S 65 Diallate	86				0		0.2500	0.2953	
134 Ethyl Parathion	109	9.786	9.792	-0.006	83	2550	0.2500	0.2034	
135 4-Nitroquinoline-1-oxide	190	9.816	9.816	0.000	71	1579	0.2500	1.99	
136 Octachlorostyrene	308	10.045	10.045	0.000	79	2536	0.2500	0.2183	
137 Isodrin	193	10.092	10.092	0.000	90	3748	0.2500	0.2757	
138 Fluoranthene	202	10.233	10.233	0.000	97	27063	0.2500	0.2181	
139 Benzidine	184	10.363	10.369	-0.006	99	40673	0.7500	0.5050	
* 140 Pyrene-d10 (IS)	212	10.451	10.451	0.000	99	530230	5.00	5.00	
141 Pyrene	202	10.469	10.469	0.000	97	31627	0.2500	0.2411	
$ 142 p-Terphenyl-d14	244	10.633	10.633	0.000	99	38989	0.5000	0.4339	
143 p-Dimethylamino azobenzene	225	10.786	10.786	0.000	92	3041	0.2500	0.1455	
144 Chlorobenzilate	139	10.839	10.839	0.000	81	7052	0.2500	0.2225	
100 Famphur	218		11.121				ND	ND	U
145 3,3'-Dimethylbenzidine	212	11.169	11.169	0.000	98	11774	0.2500	0.1971	
146 Butyl benzyl phthalate	149	11.192	11.192	0.000	95	8519	0.2500	0.1706	
147 2-Acetylaminofluorene	181	11.469	11.469	0.001	91	5455	0.2500	0.1440	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 92 Aramite, Total	185		11.583				0.2500	ND	
149 3,3'-Dichlorobenzidine	252	11.845	11.851	-0.006	75	8441	0.2500	0.1681	
150 4,4'-Methylene bis(2-chloroanil	231	11.857	11.857	0.000	88	3482	0.2500	0.1670	
148 Benzo[a]anthracene	228	11.880	11.886	-0.006	98	22251	0.2500	0.1976	
151 Chrysene	228	11.933	11.933	0.000	96	23078	0.2500	0.2041	
152 Bis(2-ethylhexyl) phthalate	149	11.945	11.945	0.000	94	11284	0.2500	0.1542	
153 6-Methylchrysene	242	12.557	12.563	-0.006	97	15792	0.2500	0.2155	
154 Di-n-octyl phthalate	149	12.880	12.880	0.000	97	13570	0.2500	0.8617	
156 7,12-Dimethylbenz(a)anthracene	256	13.398	13.404	-0.006	84	7983	0.2500	0.1868	
155 Benzo[b]fluoranthene	252	13.404	13.410	-0.006	96	21175	0.2500	0.2130	
157 Benzo[k]fluoranthene	252	13.445	13.451	-0.006	98	23773	0.2500	0.2269	
158 Benzo[a]pyrene	252	13.886	13.892	-0.006	77	19001	0.2500	0.2115	
* 159 Perylene-d12	264	13.968	13.974	-0.006	99	419362	5.00	5.00	
160 3-Methylcholanthrene	268	14.427	14.427	0.000	90	10567	0.2500	0.2375	
161 Dibenz[a,h]acridine	279	15.339	15.345	-0.006	90	12628	0.2500	0.2021	a
162 Dibenz[a,j]acridine	279	15.427	15.439	-0.012	94	14910	0.2500	0.2032	a
163 Indeno[1,2,3-cd]pyrene	276	15.751	15.762	-0.011	98	17154	0.2500	0.2087	M
164 Dibenz(a,h)anthracene	278	15.798	15.809	-0.011	89	16808	0.2500	0.1946	
165 Benzo[g,h,i]perylene	276	16.268	16.280	-0.012	96	18343	0.2500	0.2164	
S 166 Isosafrole	162				0		0.2500	0.2527	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_2_00043 Amount Added: 1.00 Units: mL

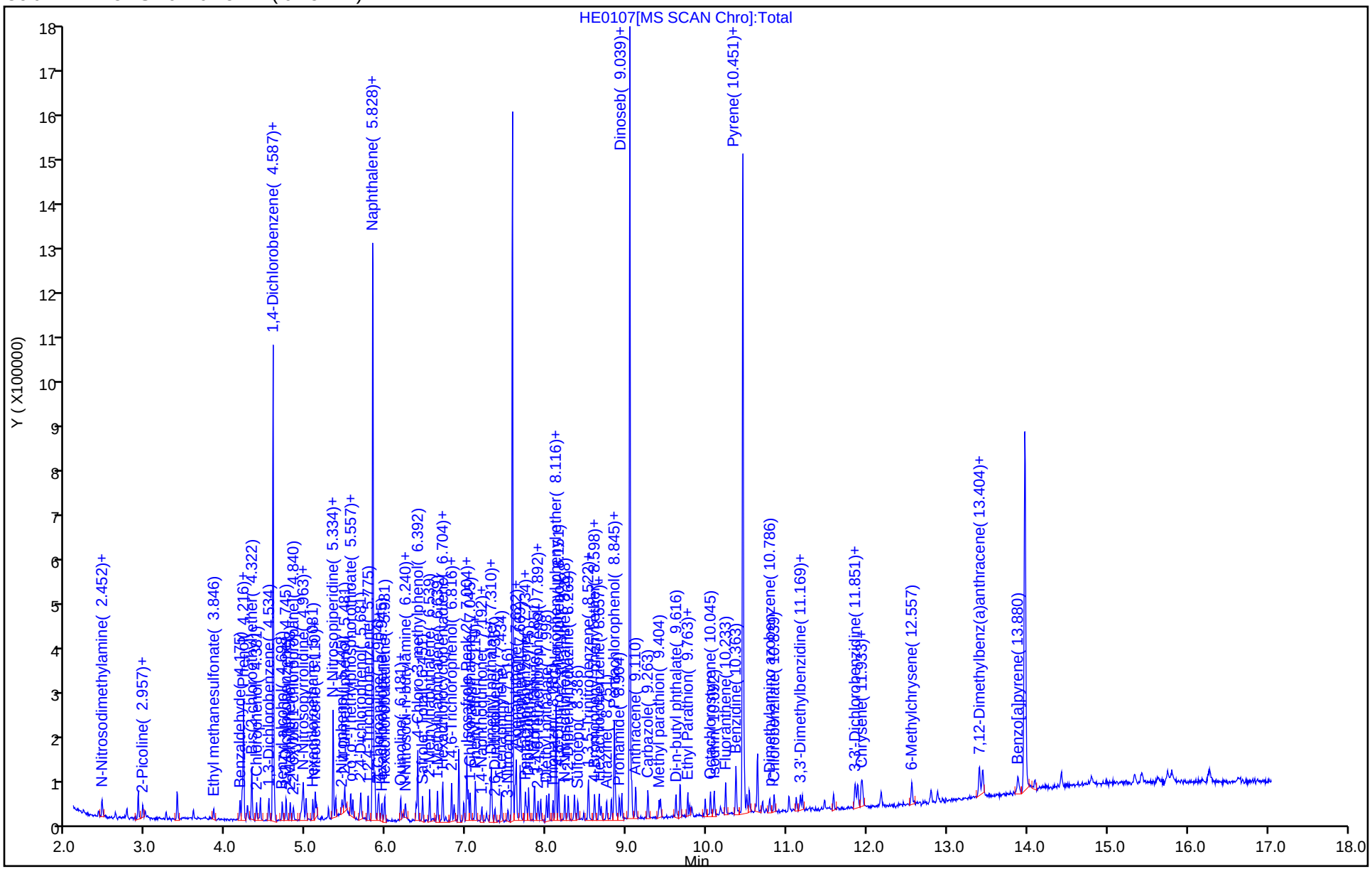
Report Date: 01-May-2025 21:49:05 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0107.D

Injection Date:	01-May-2025 12:00:30	Instrument ID:	HP18831	Operator ID:	CJS101602
Lims ID:	IC L2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

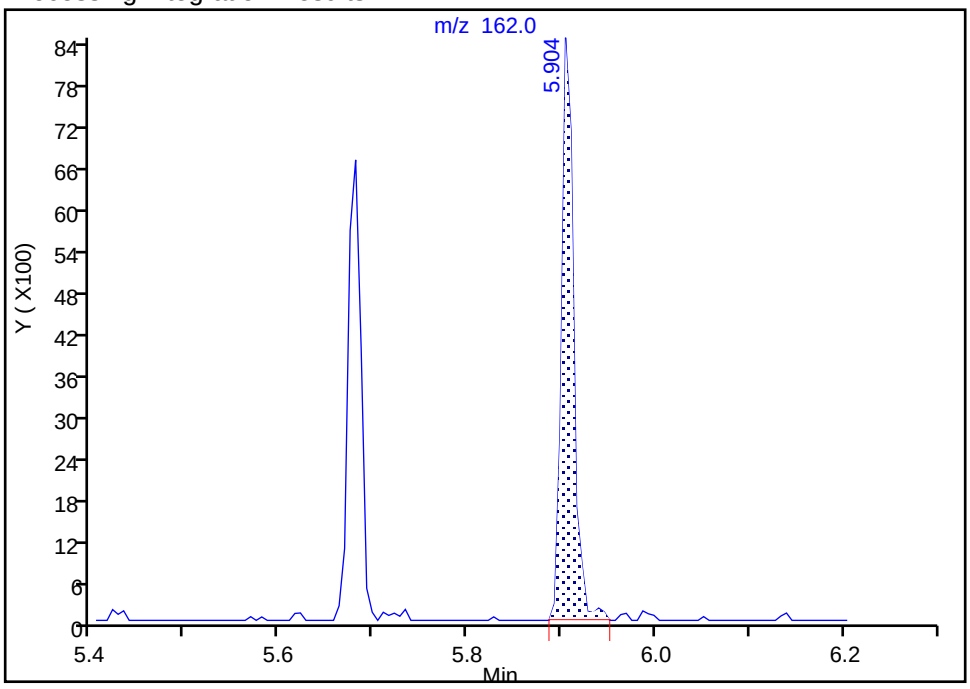
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0107.D
Injection Date: 01-May-2025 12:00:30 Instrument ID: HP18831
Lims ID: IC L2
Client ID:
Operator ID: CJS101602 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

52 2,4-Dichlorophenol, CAS: 120-83-2

Signal: 1

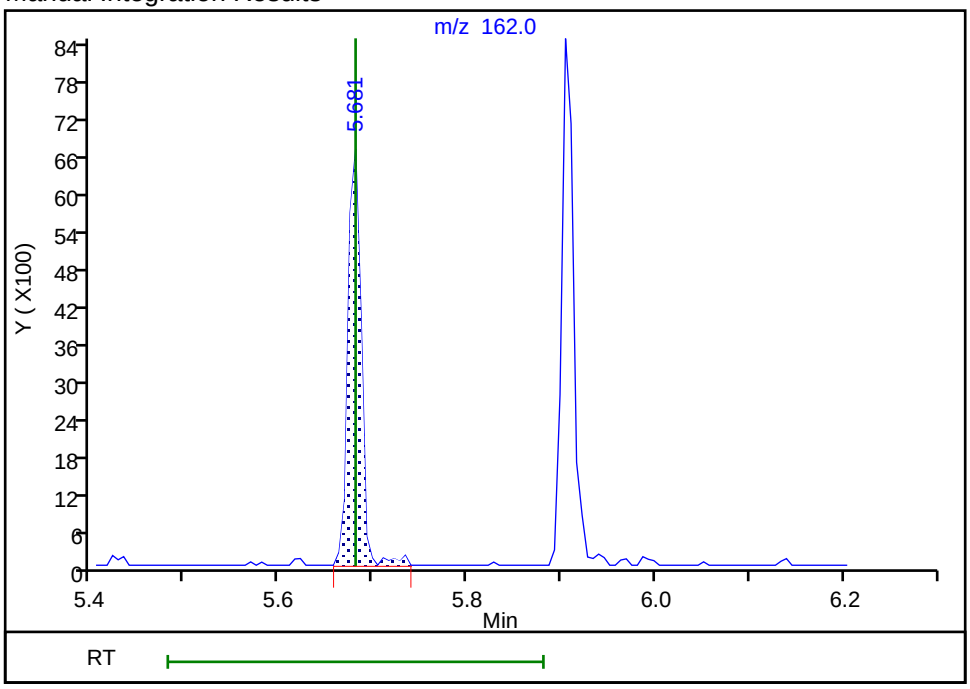
Processing Integration Results

RT: 5.90
Area: 7618
Amount: 0.225163
Amount Units: ug/ml



Manual Integration Results

RT: 5.68
Area: 6597
Amount: 0.199234
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:32:35 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

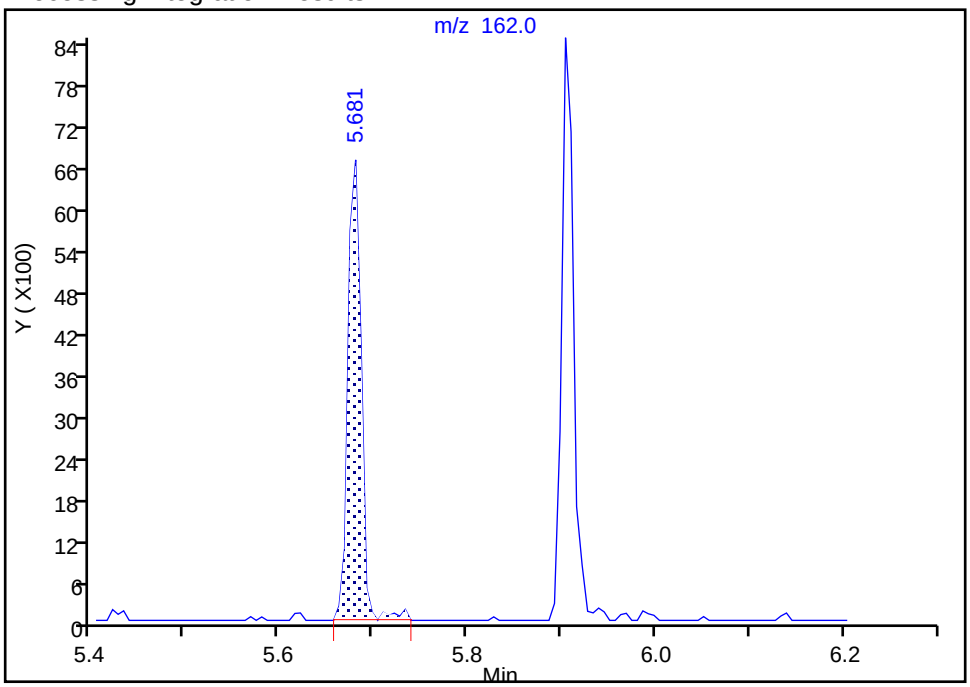
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0107.D
Injection Date: 01-May-2025 12:00:30 Instrument ID: HP18831
Lims ID: IC L2
Client ID:
Operator ID: CJS101602 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

58 2,6-Dichlorophenol, CAS: 87-65-0

Signal: 1

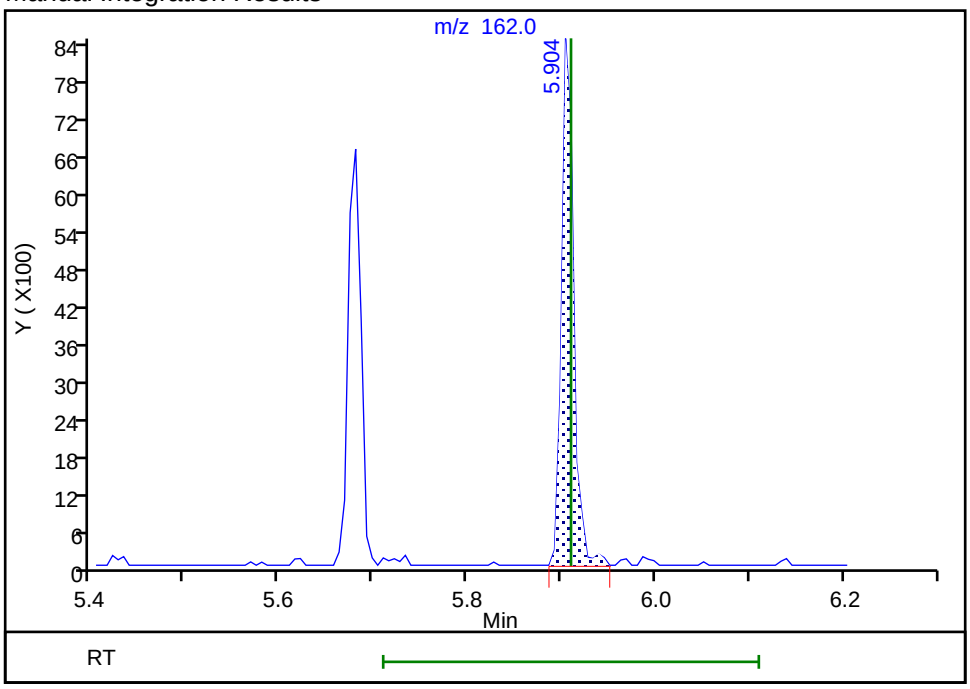
Processing Integration Results

RT: 5.68
Area: 6597
Amount: 0.199300
Amount Units: ug/ml



Manual Integration Results

RT: 5.90
Area: 7618
Amount: 0.225236
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:32:42 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

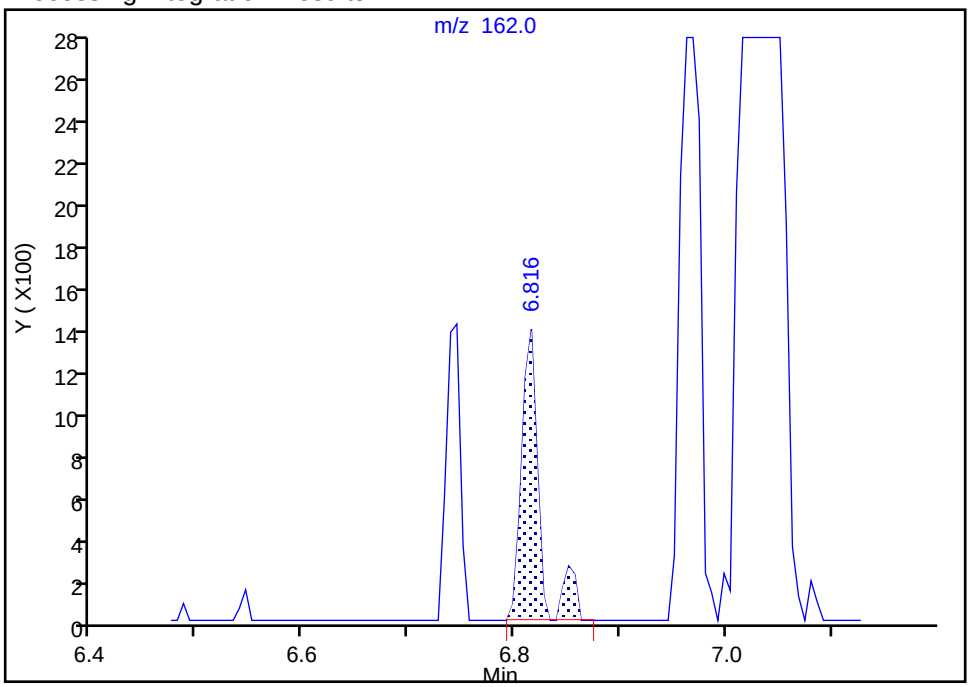
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0107.D				
Injection Date:	01-May-2025 12:00:30	Instrument ID:	HP18831		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

73 Isosafrole Peak 1, CAS: STL03315

Signal: 1

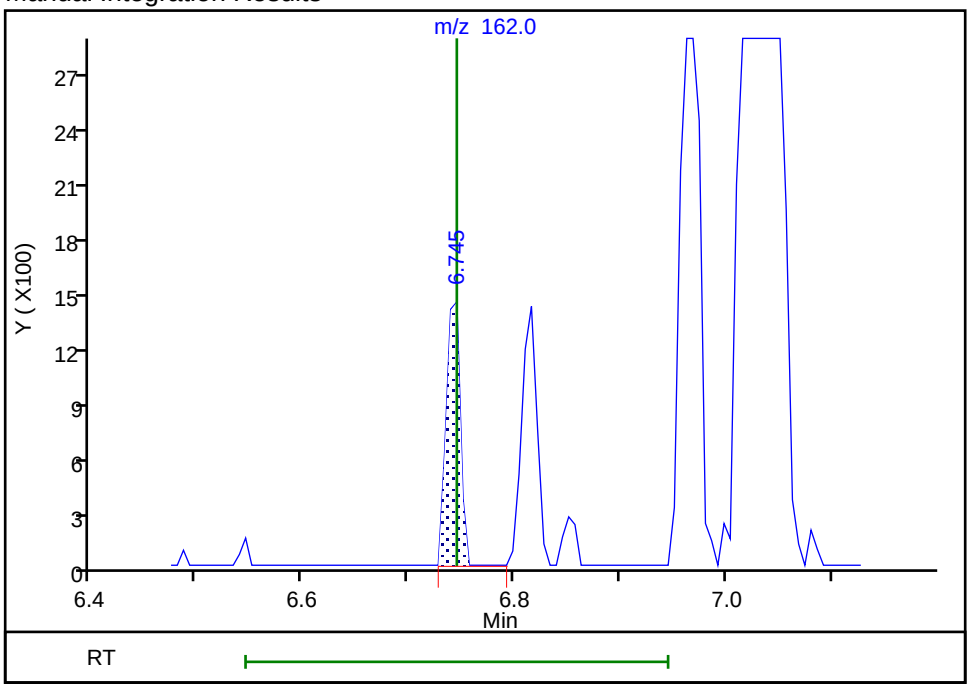
Processing Integration Results

RT: 6.82
Area: 1606
Amount: 0.048215
Amount Units: ug/ml



Manual Integration Results

RT: 6.75
Area: 1309
Amount: 0.040102
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:33:01 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

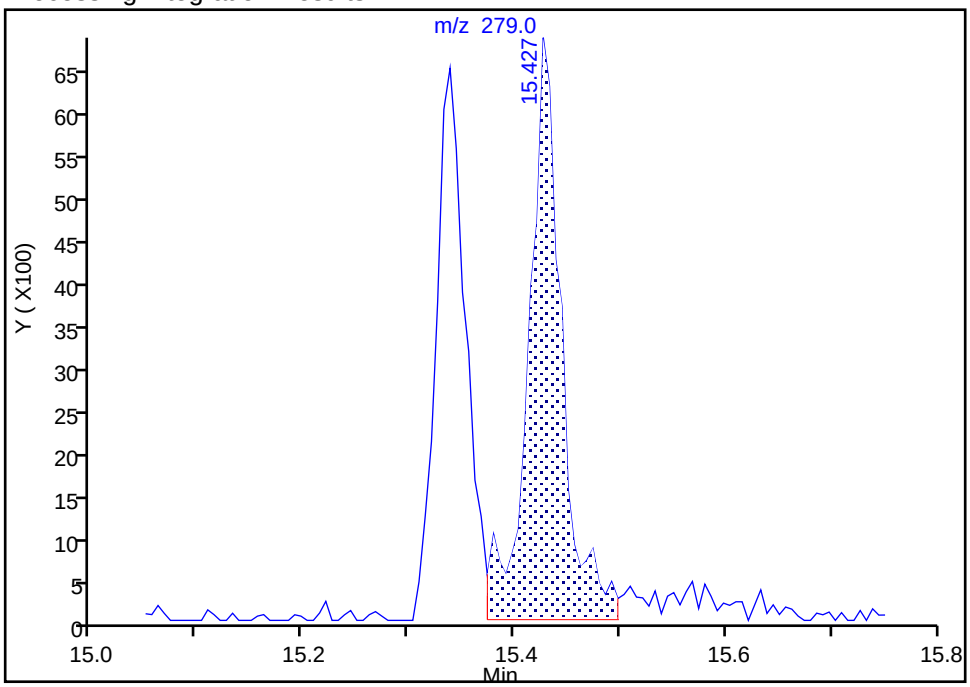
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0107.D				
Injection Date:	01-May-2025 12:00:30	Instrument ID:	HP18831		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

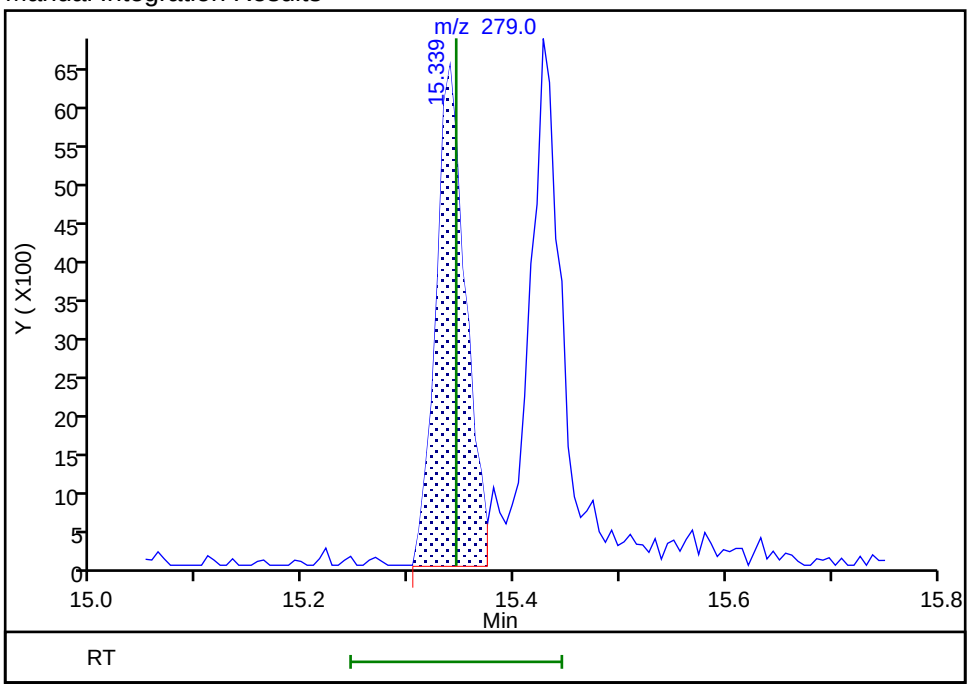
Processing Integration Results

RT: 15.43
Area: 14910
Amount: 0.235634
Amount Units: ug/ml



Manual Integration Results

RT: 15.34
Area: 12628
Amount: 0.202127
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 20:08:00 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

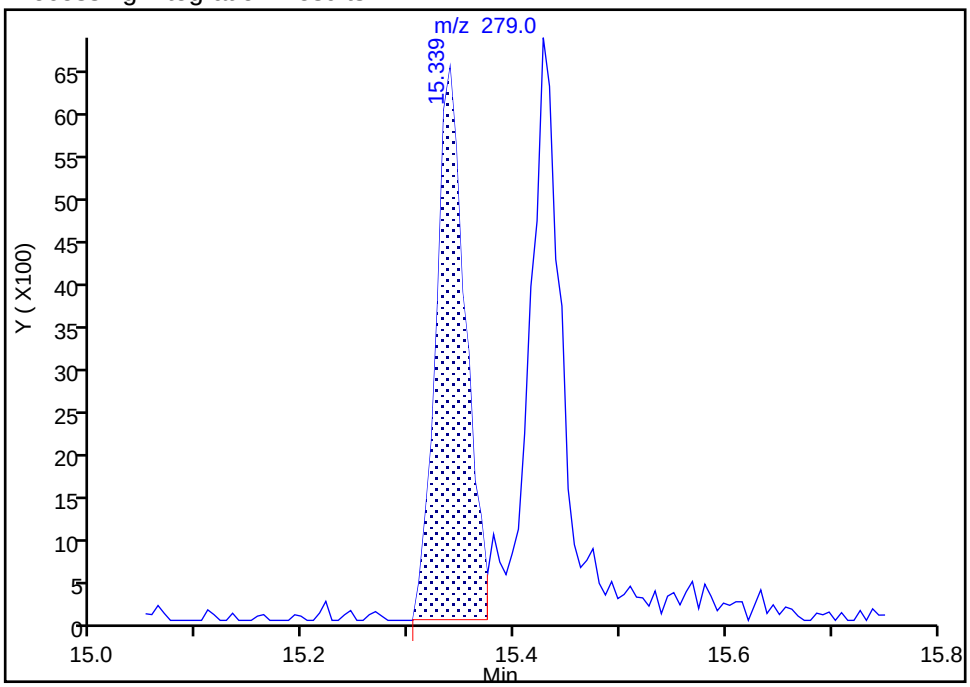
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0107.D				
Injection Date:	01-May-2025 12:00:30	Instrument ID:	HP18831		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

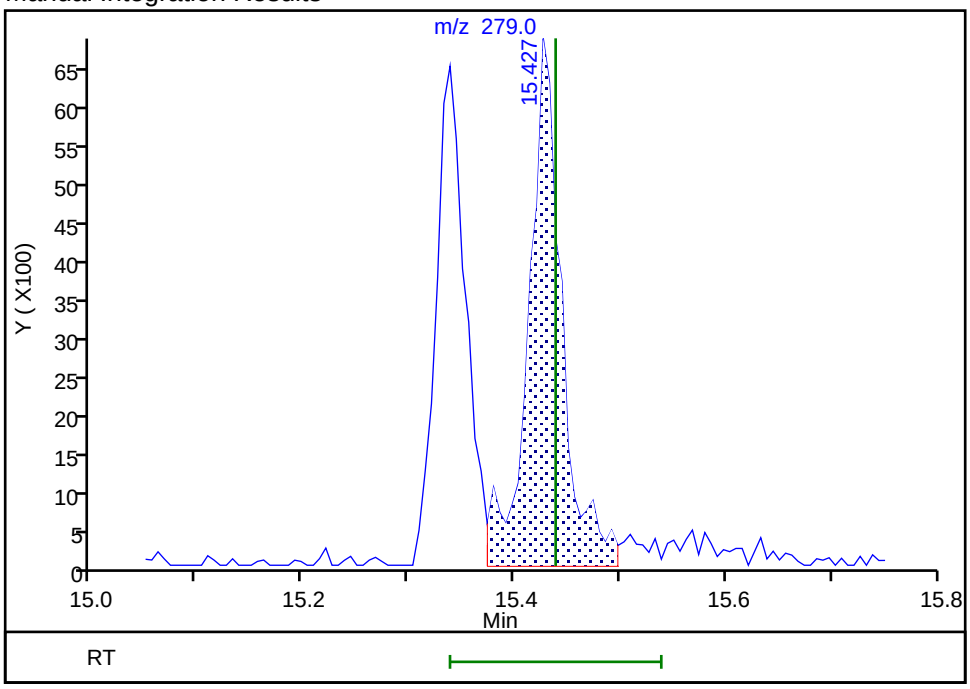
Processing Integration Results

RT: 15.34
Area: 12628
Amount: 0.175845
Amount Units: ug/ml



Manual Integration Results

RT: 15.43
Area: 14910
Amount: 0.203192
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 20:08:06 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

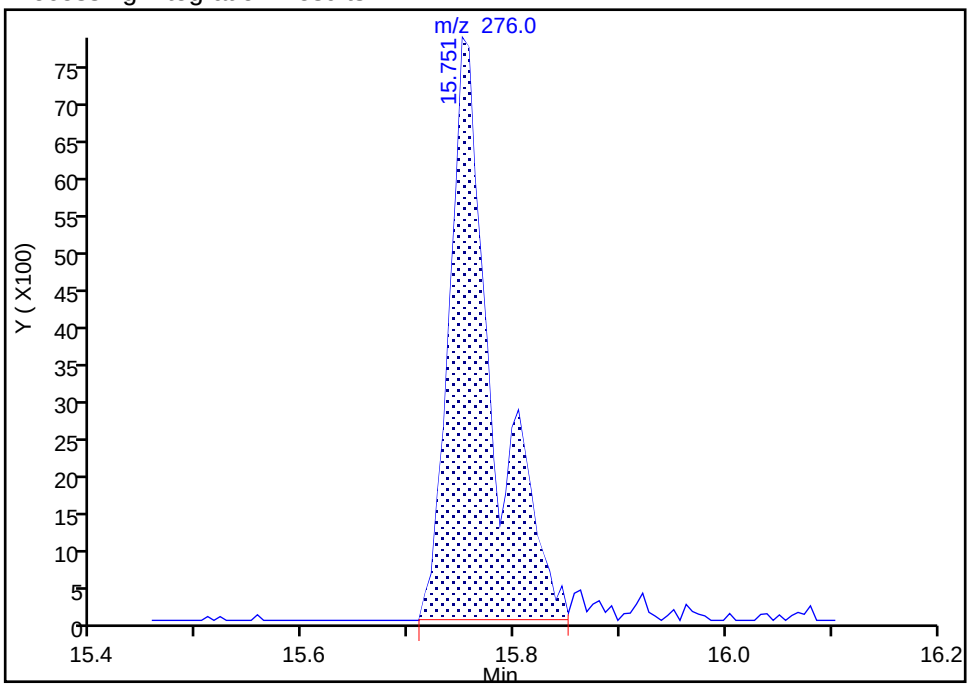
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0107.D				
Injection Date:	01-May-2025 12:00:30	Instrument ID:	HP18831		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

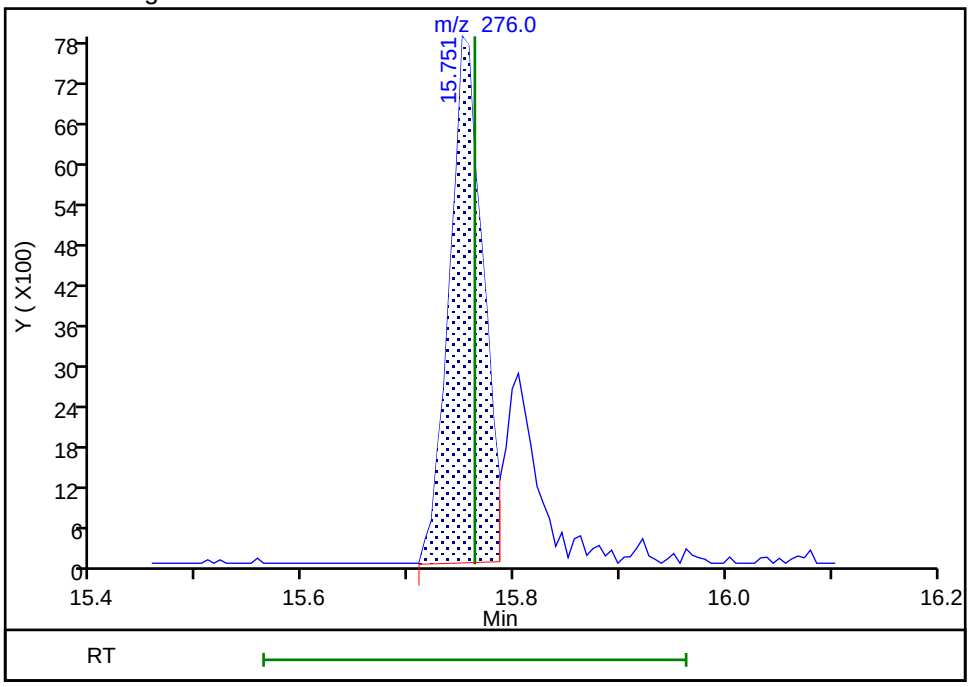
Processing Integration Results

RT: 15.75
Area: 22497
Amount: 0.266157
Amount Units: ug/ml



Manual Integration Results

RT: 15.75
Area: 17154
Amount: 0.208656
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:34:23 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 01-May-2025 12:22:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0145811-009
Operator ID: CJS101602 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub64

Method: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-May-2025 21:49:11 Calib Date: 01-May-2025 12:22:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

First Level Reviewer: WH7Z Date: 01-May-2025 16:40:03

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	2.222	2.216	0.006	74	5320	0.1250	0.3864	
	2 N-Nitrosodimethylamine	74	2.410	2.399	0.012	77	2736	0.1250	0.1296	
	3 Pyridine	79	2.457	2.440	0.017	95	9022	0.2500	0.2644	
	4 Dimethylformamide	73	2.663	2.669	-0.006	2	417	0.1250	0.0202	
	5 2-Picoline	93	2.963	2.951	0.012	87	4449	0.1250	0.1304	
	6 N-Nitrosomethylethylamine	88	3.016	3.016	0.000	42	7613	0.1250	0.5125	
	9 Methyl methanesulfonate	80	3.251	3.251	0.000	84	2367	0.1250	0.1306	
$	10 2-Fluorophenol	112	3.393	3.393	0.000	87	7821	0.2500	0.2338	
	11 N-Nitrosodiethylamine	102	3.593	3.593	0.000	70	1872	0.1250	0.1282	
	13 Ethyl methanesulfonate	109	3.846	3.845	0.001	75	2558	0.1250	0.1460	
	15 Benzaldehyde	77	4.175	4.175	0.000	88	4154	0.1250	0.1453	
$	16 Phenol-d5	99	4.198	4.204	-0.006	96	8666	0.2500	0.2121	
	17 Phenol	94	4.210	4.216	-0.006	51	4763	0.1250	0.1140	
	18 Aniline	93	4.263	4.269	-0.006	96	5731	0.1250	0.1133	
	19 Bis(2-chloroethyl)ether	93	4.322	4.322	0.000	88	4634	0.1250	0.1328	
	20 2-Chlorophenol	128	4.381	4.381	0.000	92	4135	0.1250	0.1173	
	22 1,3-Dichlorobenzene	146	4.534	4.534	0.000	94	4884	0.1250	0.1166	
*	23 1,4-Dichlorobenzene-d4	152	4.587	4.587	0.000	94	136427	5.00	5.00	
	24 1,4-Dichlorobenzene	146	4.604	4.604	0.000	79	5007	0.1250	0.1184	
	26 Benzyl alcohol	108	4.698	4.704	-0.006	91	2482	0.1250	0.1105	
	27 1,2-Dichlorobenzene	146	4.751	4.751	0.000	95	4942	0.1250	0.1221	
	30 2-Methylphenol	108	4.798	4.804	-0.006	88	3168	0.1250	0.1031	Ma
	32 2,2'-oxybis[1-chloropropane]	45	4.840	4.840	0.000	86	4764	0.1250	0.1189	
	33 N-Nitrosopyrrolidine	100	4.940	4.934	0.006	84	1784	0.1250	0.1142	
	36 4-Methylphenol	108	4.951	4.951	0.000	93	3298	0.1250	0.1005	
	25 alpha,alpha-Dimethyl phenethylam	58		4.963				ND	ND	U
	34 Acetophenone	105	4.963	4.963	0.000	89	7487	0.1250	0.1415	
	35 N-Nitrosodi-n-propylamine	70	4.957	4.963	-0.006	72	3549	0.1250	0.1429	
	37 N-Nitrosomorpholine	56	4.975	4.975	0.000	42	2920	0.1250	0.1532	
	38 2-Toluidine	106	4.998	4.998	0.000	91	6402	0.1250	0.1249	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Hexachloroethane	117	5.081	5.081	0.000	88	2570	0.1250	0.1511	
$ 41 Nitrobenzene-d5	82	5.110	5.116	-0.006	88	8301	0.2500	0.2374	
42 Nitrobenzene	77	5.134	5.134	0.000	81	5607	0.1250	0.1531	
43 N-Nitrosopiperidine	114	5.281	5.281	0.000	83	1810	0.1250	0.1211	
45 Isophorone	82	5.369	5.369	0.000	96	6785	0.1250	0.1094	
46 2-Nitrophenol	139	5.445	5.445	0.000	86	1717	0.1250	0.1007	
48 2,4-Dimethylphenol	107	5.481	5.481	0.000	83	3637	0.1250	0.1085	
49 o,o',o''-Triethylphosphorothioat	198	5.557	5.557	0.000	83	1800	0.1250	0.0985	
51 Bis(2-chloroethoxy)methane	93	5.581	5.581	0.000	96	4827	0.1250	0.1202	
52 2,4-Dichlorophenol	162	5.681	5.681	0.000	85	2918	0.1250	0.0994	a
53 1,2,4-Trichlorobenzene	180	5.769	5.775	-0.006	93	4340	0.1250	0.1252	
* 54 Naphthalene-d8	136	5.828	5.834	-0.006	99	510059	5.00	5.00	
55 Naphthalene	128	5.851	5.851	0.000	96	13124	0.1250	0.1244	
29 Alpha-Terpineol	59	5.863	5.857	0.006	50	2845	0.1250	0.1127	
57 4-Chloroaniline	127	5.898	5.898	0.000	94	4406	0.1250	0.1019	
58 2,6-Dichlorophenol	162	5.904	5.910	-0.006	93	3105	0.1250	0.1036	a
59 Hexachloropropene	213	5.939	5.945	-0.006	91	2072	0.1250	0.0997	
60 Hexachlorobutadiene	225	5.981	5.981	0.000	90	2293	0.1250	0.1105	
62 Quinoline	129	6.181	6.181	0.000	97	8603	0.1250	0.1293	
63 Caprolactam	113	6.204	6.210	-0.006	55	797	0.1250	0.0868	
64 N-Nitrosodi-n-butylamine	84	6.239	6.239	0.000	83	2861	0.1250	0.1278	
39 p-Phenylene diamine	108	6.245	6.245	0.000	67	2168	0.1250	0.0661	
66 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	67	2682	0.1250	0.0977	
67 Safrole, Total	162	6.451	6.451	0.000	91	2953	0.1250	0.1093	
68 2-Methylnaphthalene	142	6.539	6.539	0.000	89	7043	0.1250	0.1123	
69 1-Methylnaphthalene	142	6.639	6.639	0.000	90	7453	0.1250	0.1131	
71 Hexachlorocyclopentadiene	237	6.698	6.698	0.000	77	1941	0.1250	0.0857	
72 1,2,4,5-Tetrachlorobenzene	216	6.704	6.704	0.000	88	3671	0.1250	0.1143	
73 Isosafrole Peak 1	162	6.739	6.745	-0.006	16	605	0.0200	0.0215	a
74 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	74	2242	0.1250	0.1075	
75 2,4,5-Trichlorophenol	196	6.845	6.845	0.000	88	2398	0.1250	0.1069	
$ 76 2-Fluorobiphenyl (Surr)	172	6.904	6.904	0.000	96	18012	0.2500	0.2318	
77 Isosafrole Peak 2	162	6.969	6.969	0.000	94	2889	0.1050	0.0967	
78 1,1'-Biphenyl	154	7.004	7.004	0.000	93	10104	0.1250	0.1234	
79 2-Chloronaphthalene	162	7.022	7.022	0.000	94	7788	0.1250	0.1218	
80 1-Chloronaphthalene	162	7.045	7.045	0.000	95	7863	0.1250	0.1318	
81 Phenyl ether	170	7.110	7.110	0.000	88	5848	0.1250	0.1237	
82 2-Nitroaniline	138	7.116	7.116	0.000	59	2094	0.1250	0.1136	
84 1,4-Naphthoquinone	158	7.192	7.192	0.000	78	2087	0.1250	0.0981	
85 1,4-Dinitrobenzene	168	7.251	7.251	0.000	63	686	0.1250	0.0787	
86 Dimethyl phthalate	163	7.298	7.304	-0.006	93	8637	0.1250	0.1195	
87 1,3-Dinitrobenzene	168	7.322	7.322	0.000	34	984	0.1250	0.0894	a
88 2,6-Dinitrotoluene	165	7.357	7.357	0.000	74	1355	0.1250	0.0924	
89 Acenaphthylene	152	7.434	7.433	0.001	96	11187	0.1250	0.1159	
90 3-Nitroaniline	138	7.516	7.522	-0.006	75	1484	0.1250	0.0868	
* 91 Acenaphthene-d10	164	7.575	7.575	0.000	94	269107	5.00	5.00	
93 Acenaphthene	153	7.604	7.604	0.000	93	8227	0.1250	0.1258	
94 2,4-Dinitrophenol	184	7.622	7.622	0.000	87	6771	1.25	3.06	
95 4-Nitrophenol	109	7.675	7.675	0.000	91	5696	0.7500	0.6102	
96 Pentachlorobenzene	250	7.739	7.739	0.000	95	3887	0.1250	0.1360	
98 2,4-Dinitrotoluene	165	7.751	7.751	0.000	84	2059	0.1250	0.1030	
97 Dibenzofuran	168	7.775	7.775	0.000	95	11566	0.1250	0.1261	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	7.851	7.851	0.000	95	6321	0.1250	0.1084	
101 2,3,4,6-Tetrachlorophenol	232	7.892	7.892	0.000	74	1808	0.1250	0.0971	
103 2-Naphthylamine	143	7.928	7.928	0.000	98	7565	0.1250	0.1214	
104 Diethyl phthalate	149	7.998	8.004	-0.006	97	7081	0.1250	0.1000	
106 Thionazin	107	8.081	8.080	0.001	74	1422	0.1250	0.1415	
105 Fluorene	166	8.116	8.116	0.000	91	8145	0.1250	0.1102	
108 4-Chlorophenyl phenyl ether	204	8.116	8.116	0.000	75	4047	0.1250	0.1119	
107 N-Nitro-o-toluidine	152	8.116	8.116	0.000	57	2110	0.1250	0.1147	
109 4-Nitroaniline	138	8.116	8.122	-0.006	57	1796	0.1250	0.0981	
110 4,6-Dinitro-2-methylphenol	198	8.151	8.157	-0.006	85	4405	0.7500	0.3519	
111 N-Nitrosodiphenylamine	169	8.228	8.228	0.000	68	5305	0.1063	0.0906	
112 1,2-Diphenylhydrazine	77	8.269	8.275	-0.006	93	9317	0.1250	0.1387	
$ 113 2,4,6-Tribromophenol	330	8.345	8.351	-0.006	89	1938	0.2500	0.1375	
114 Sulfotepp	97	8.386	8.392	-0.006	86	979	0.1250	0.0947	
172 1,3,5-Trinitrobenzene	213	8.457	8.469	-0.012	1	507	0.1250	0.0818	
115 cis-Diallate	86	8.516	8.522	-0.006	78	3105	0.0925	0.1147	
117 Phenacetin	108	8.522	8.522	0.000	74	3008	0.1250	0.1036	
116 Phorate	75	8.522	8.528	-0.006	91	3728	0.1250	0.1090	
118 4-Bromophenyl phenyl ether	248	8.598	8.598	0.000	66	2356	0.1250	0.1118	
119 trans-Diallate	86	8.604	8.610	-0.006	35	875	0.0325	0.0341	a
120 Hexachlorobenzene	284	8.657	8.657	0.000	89	3044	0.1250	0.1166	
121 Dimethoate	87	8.680	8.686	-0.006	82	1943	0.1250	0.0927	
122 Atrazine	200	8.751	8.751	0.000	86	2118	0.1250	0.1104	
123 Pentachlorophenol	266	8.845	8.845	0.000	90	6975	0.6250	0.4382	
125 4-Aminobiphenyl	169	8.851	8.851	0.000	89	7886	0.1250	0.1016	
124 Pentachloronitrobenzene	237	8.857	8.863	-0.006	44	1088	0.1250	0.1181	
126 Pronamide	173	8.910	8.910	0.000	86	2397	0.1250	0.0819	
128 Dinoseb	211	9.028	9.027	0.001	60	1671	0.1250	0.8669	
* 127 Phenanthrene-d10	188	9.039	9.039	0.000	96	505563	5.00	5.00	
70 Disulfoton	88	9.039	9.039	0.000	53	8890	0.1250	0.2499	
S 56 Dinitrotoluene	165				0		0.2500	0.1954	
129 Phenanthrene	178	9.063	9.063	0.000	93	13629	0.1250	0.1276	
130 Anthracene	178	9.110	9.116	-0.006	96	11769	0.1250	0.1122	
131 Carbazole	167	9.269	9.269	0.000	95	9810	0.1250	0.1030	
132 Methyl parathion	109	9.404	9.404	0.000	81	1425	0.1250	0.0780	
133 Di-n-butyl phthalate	149	9.616	9.616	0.000	98	9318	0.1250	0.0885	
S 65 Diallate	86				0		0.1250	0.1489	
134 Ethyl Parathion	109	9.786	9.792	-0.006	19	1177	0.1250	0.1065	
135 4-Nitroquinoline-1-oxide	190	9.810	9.816	-0.006	32	362	0.1250	1.88	
136 Octachlorostyrene	308	10.045	10.045	0.000	75	1212	0.1250	0.1183	
137 Isodrin	193	10.092	10.092	0.000	88	2477	0.1250	0.2066	
138 Fluoranthene	202	10.233	10.233	0.000	96	11292	0.1250	0.1032	
139 Benzidine	184	10.363	10.369	-0.006	99	18417	0.3750	0.2590	
* 140 Pyrene-d10 (IS)	212	10.451	10.451	0.000	98	468117	5.00	5.00	
141 Pyrene	202	10.469	10.469	0.000	97	14737	0.1250	0.1273	
$ 142 p-Terphenyl-d14	244	10.633	10.633	0.000	99	17785	0.2500	0.2242	
143 p-Dimethylamino azobenzene	225	10.786	10.786	0.000	85	1569	0.1250	0.0850	
144 Chlorobenzilate	139	10.839	10.839	0.000	89	2693	0.1250	0.0963	
100 Famphur	218		11.121				ND	ND	U
145 3,3'-Dimethylbenzidine	212	11.169	11.169	0.000	96	5507	0.1250	0.1044	
146 Butyl benzyl phthalate	149	11.192	11.192	0.000	91	3427	0.1250	0.0778	
147 2-Acetylaminofluorene	181	11.463	11.469	-0.005	81	2211	0.1250	0.0661	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 92 Aramite, Total	185		11.583				0.1250	ND	
149 3,3'-Dichlorobenzidine	252	11.845	11.851	-0.006	74	4048	0.1250	0.0913	
150 4,4'-Methylene bis(2-chloroanil	231	11.857	11.857	0.000	68	1379	0.1250	0.0749	
148 Benzo[a]anthracene	228	11.880	11.886	-0.006	96	10317	0.1250	0.1038	
151 Chrysene	228	11.933	11.933	0.000	96	11164	0.1250	0.1119	
152 Bis(2-ethylhexyl) phthalate	149	11.945	11.945	0.000	96	4673	0.1250	0.0723	
153 6-Methylchrysene	242	12.557	12.563	-0.006	96	6806	0.1250	0.1052	
154 Di-n-octyl phthalate	149	12.880	12.880	0.000	70	6272	0.1250	0.7998	
156 7,12-Dimethylbenz(a)anthracene	256	13.398	13.404	-0.006	71	3664	0.1250	0.0887	
155 Benzo[b]fluoranthene	252	13.404	13.410	-0.006	93	9087	0.1250	0.0946	
157 Benzo[k]fluoranthene	252	13.439	13.451	-0.012	96	10499	0.1250	0.1038	
158 Benzo[a]pyrene	252	13.886	13.892	-0.006	54	8490	0.1250	0.0978	
* 159 Perylene-d12	264	13.968	13.974	-0.006	99	405110	5.00	5.00	
160 3-Methylcholanthrene	268	14.427	14.427	0.000	54	5087	0.1250	0.1183	
161 Dibenz[a,h]acridine	279	15.339	15.345	-0.006	90	7192	0.1250	0.1192	Ma
162 Dibenz[a,j]acridine	279	15.427	15.439	-0.012	34	6863	0.1250	0.0968	a
163 Indeno[1,2,3-cd]pyrene	276	15.757	15.762	-0.006	80	8548	0.1250	0.1076	M
164 Dibenz(a,h)anthracene	278	15.809	15.809	0.000	88	8776	0.1250	0.1052	
165 Benzo[g,h,i]perylene	276	16.268	16.280	-0.012	77	8766	0.1250	0.1070	M
S 166 Isosafrole	162				0		0.1250	0.1182	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_1_00042 Amount Added: 1.00 Units: mL

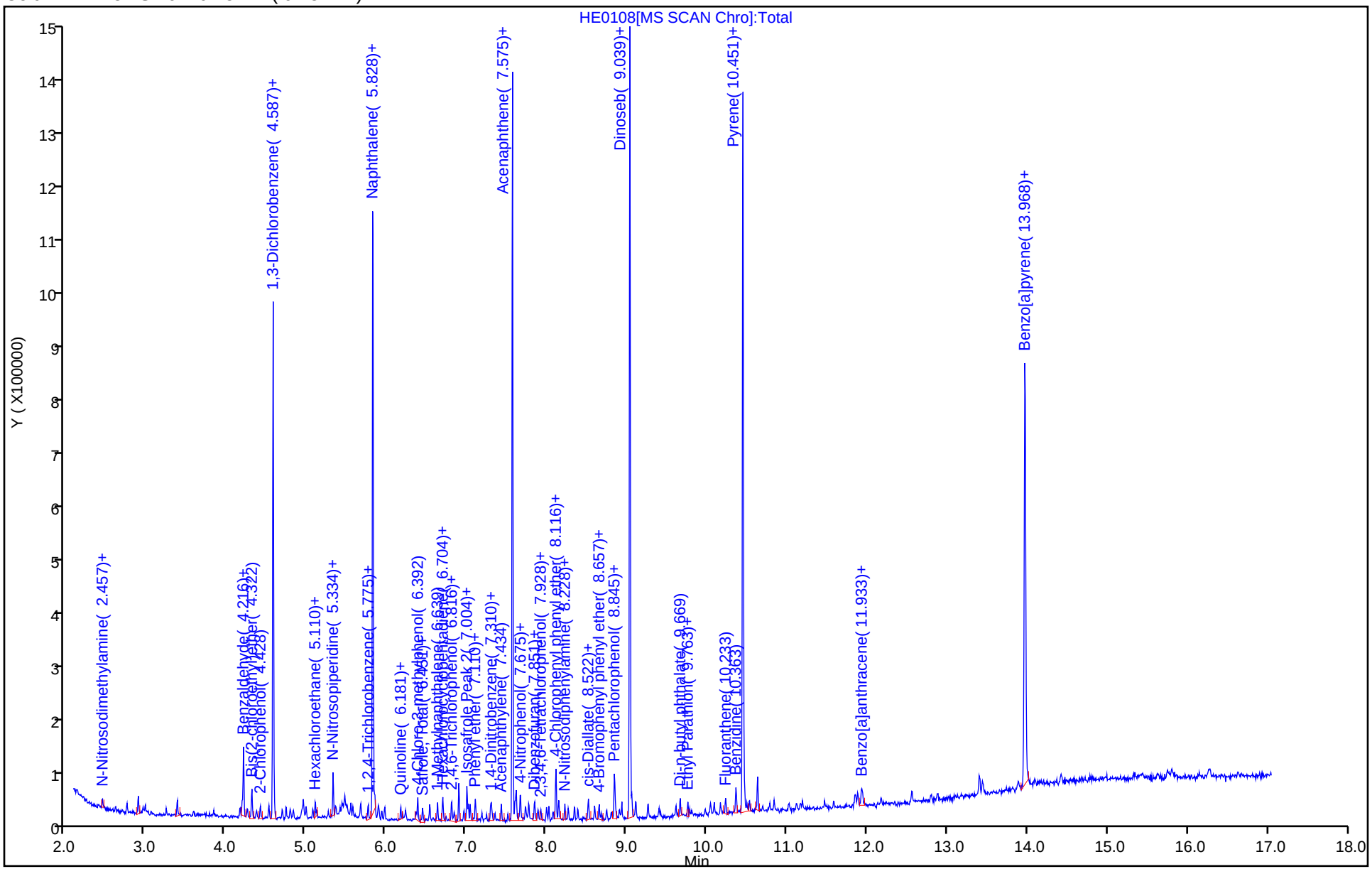
Report Date: 01-May-2025 21:49:11 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Injection Date:	01-May-2025 12:22:30	Instrument ID:	HP18831	Operator ID:	CJS101602
Lims ID:	IC L1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

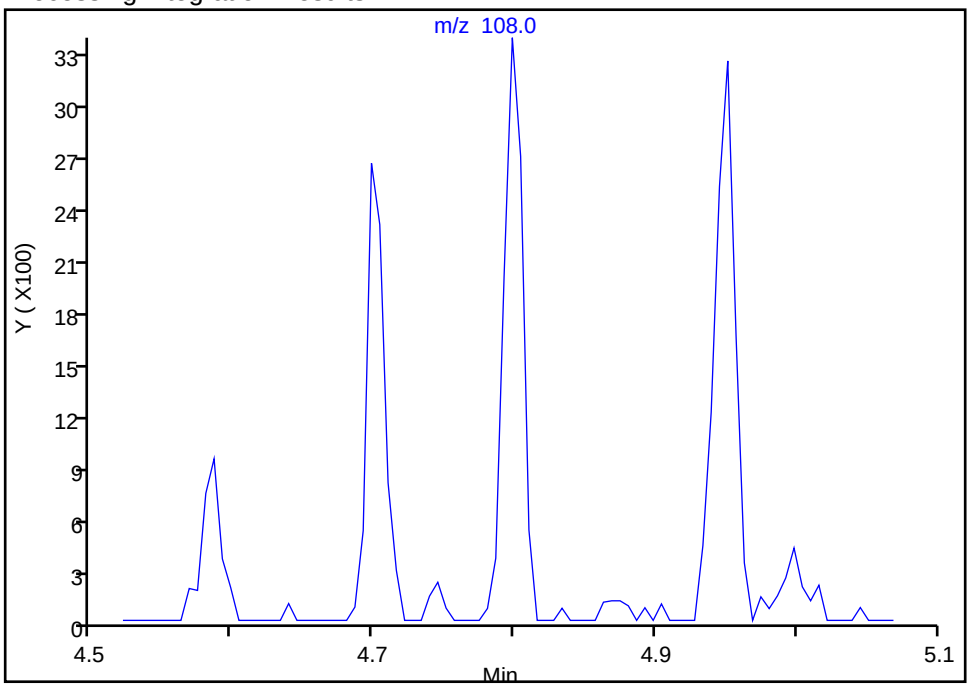
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D				
Injection Date:	01-May-2025 12:22:30	Instrument ID:	HP18831		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

30 2-Methylphenol, CAS: 95-48-7

Signal: 1

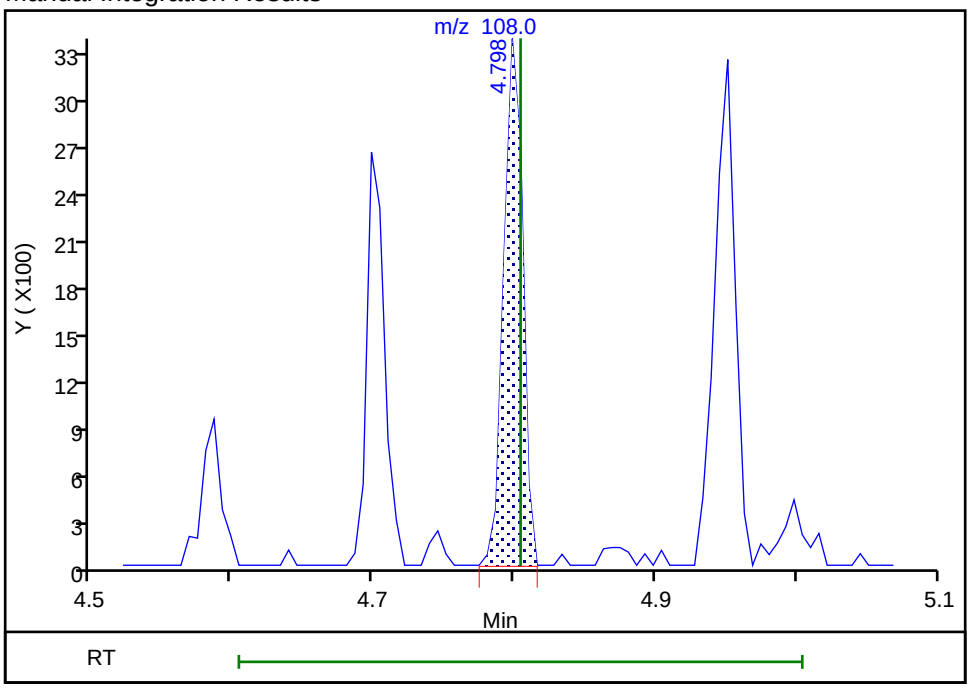
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.80
Area: 3168
Amount: 0.103069
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:35:52 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

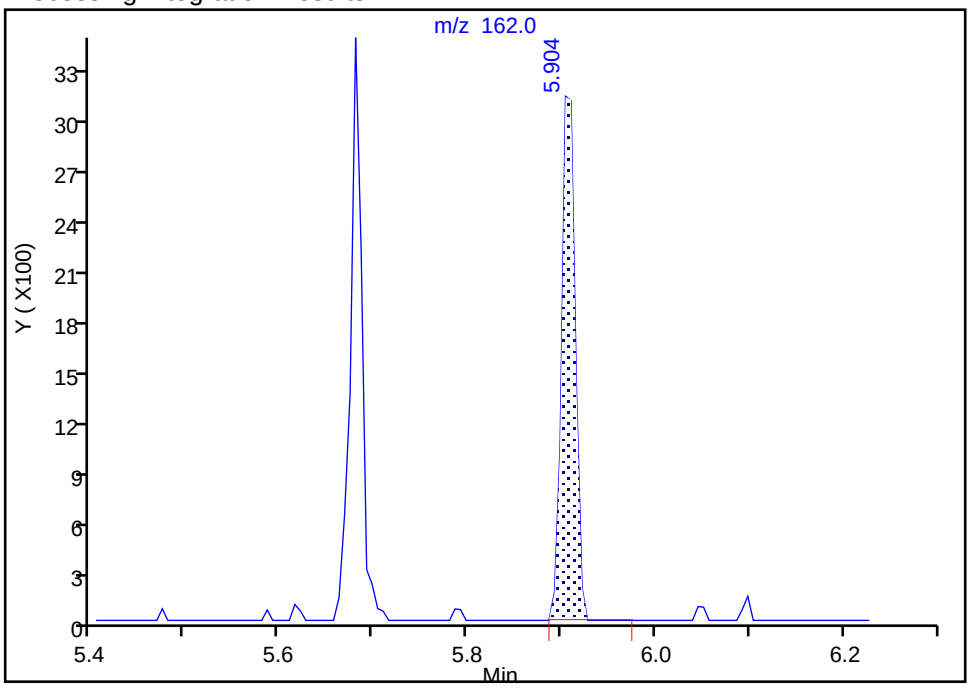
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D				
Injection Date:	01-May-2025 12:22:30	Instrument ID:	HP18831		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

52 2,4-Dichlorophenol, CAS: 120-83-2

Signal: 1

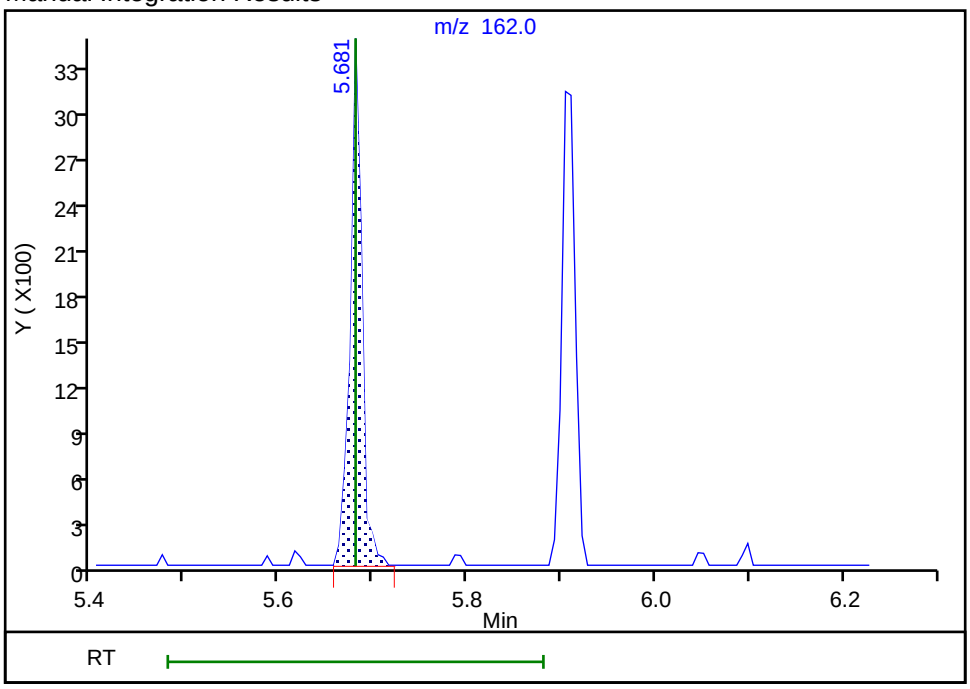
Processing Integration Results

RT: 5.90
Area: 3105
Amount: 0.105130
Amount Units: ug/ml



Manual Integration Results

RT: 5.68
Area: 2918
Amount: 0.099428
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:36:16 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

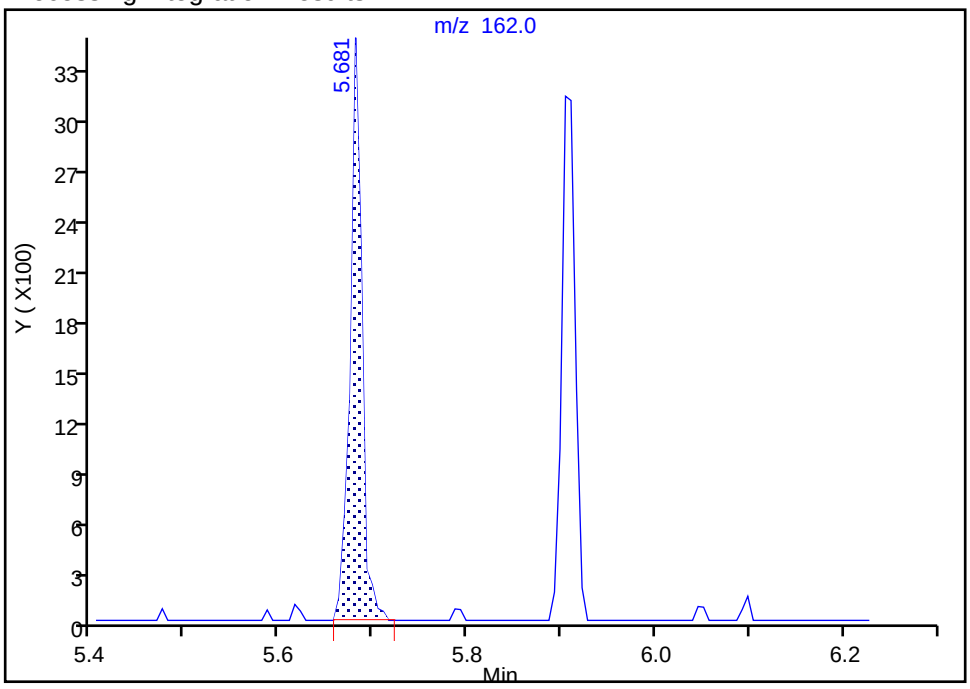
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D
Injection Date: 01-May-2025 12:22:30 Instrument ID: HP18831
Lims ID: IC L1
Client ID:
Operator ID: CJS101602 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

58 2,6-Dichlorophenol, CAS: 87-65-0

Signal: 1

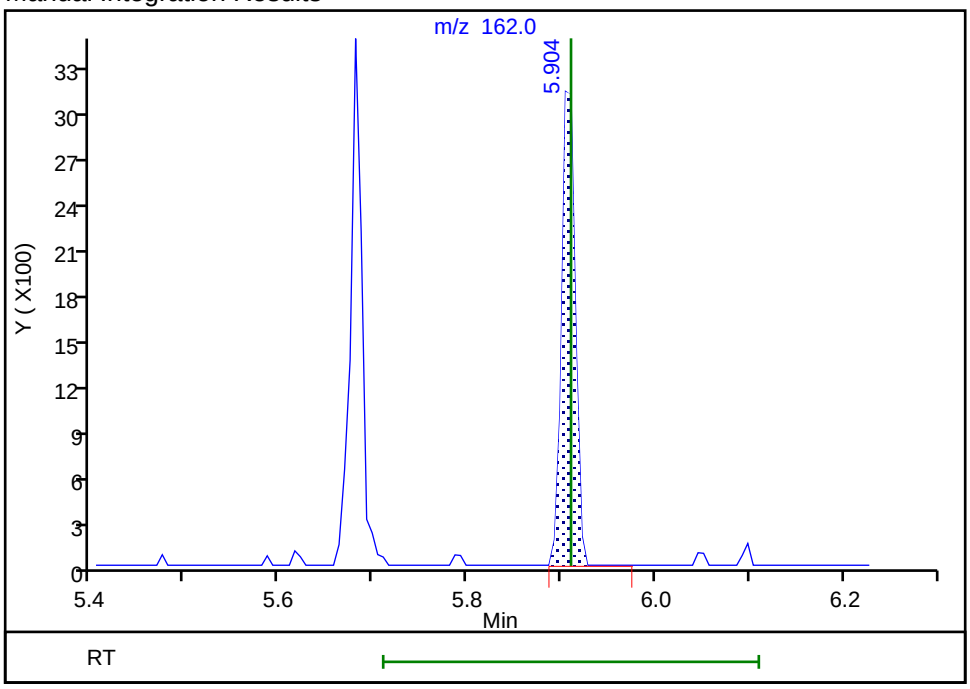
Processing Integration Results

RT: 5.68
Area: 2918
Amount: 0.097950
Amount Units: ug/ml



Manual Integration Results

RT: 5.90
Area: 3105
Amount: 0.103577
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:36:21 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

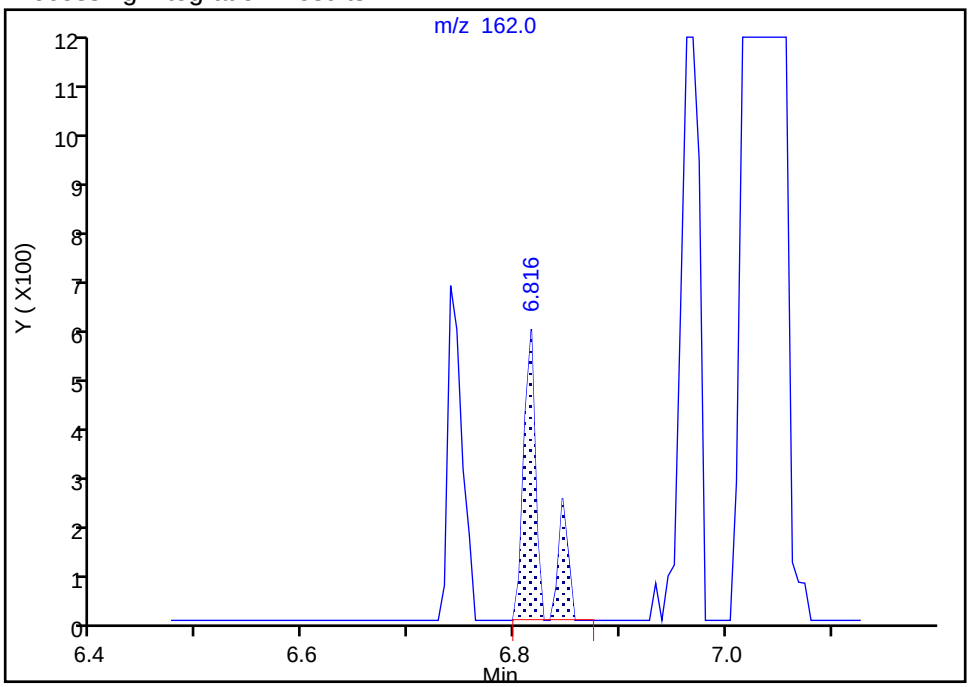
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D				
Injection Date:	01-May-2025 12:22:30	Instrument ID:	HP18831		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

73 Isosafrole Peak 1, CAS: STL03315

Signal: 1

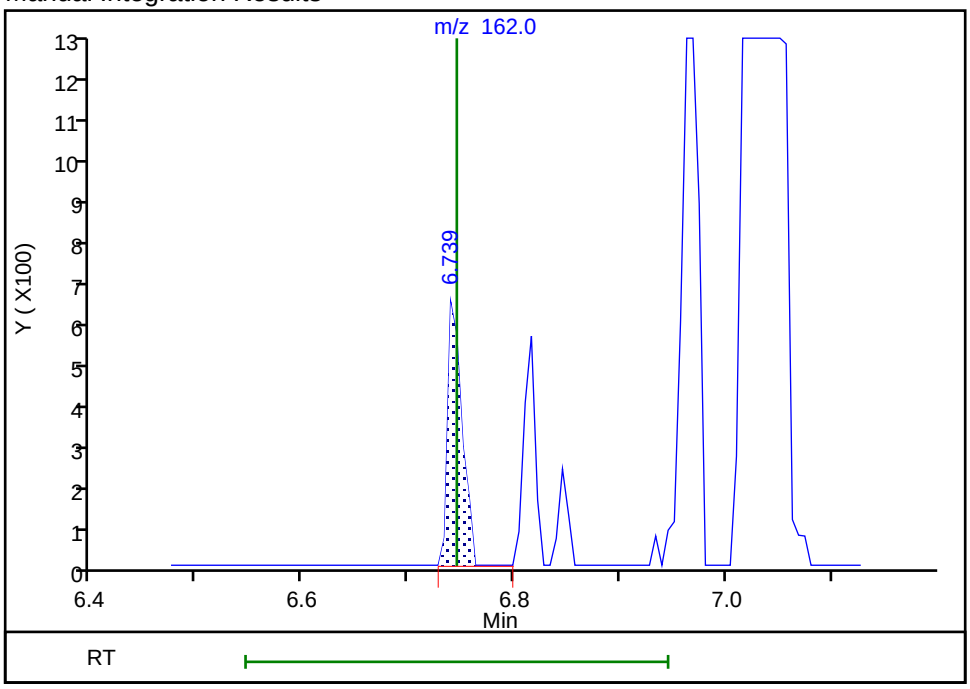
Processing Integration Results

RT: 6.82
Area: 569
Amount: 0.020390
Amount Units: ug/ml



Manual Integration Results

RT: 6.74
Area: 605
Amount: 0.021507
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:36:39 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

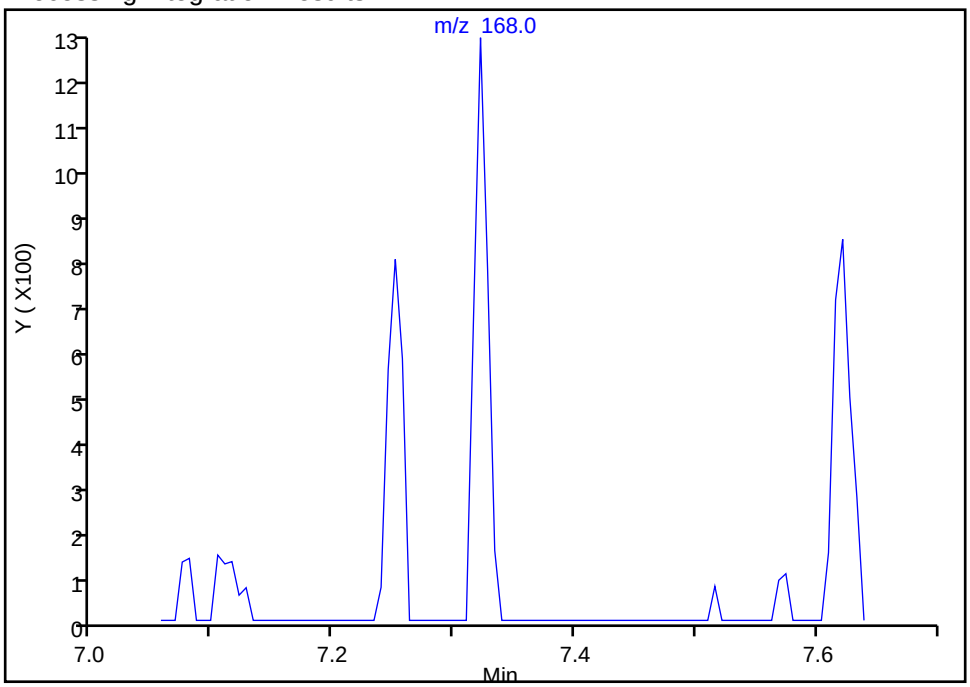
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D				
Injection Date:	01-May-2025 12:22:30	Instrument ID:	HP18831		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

87 1,3-Dinitrobenzene, CAS: 99-65-0

Signal: 1

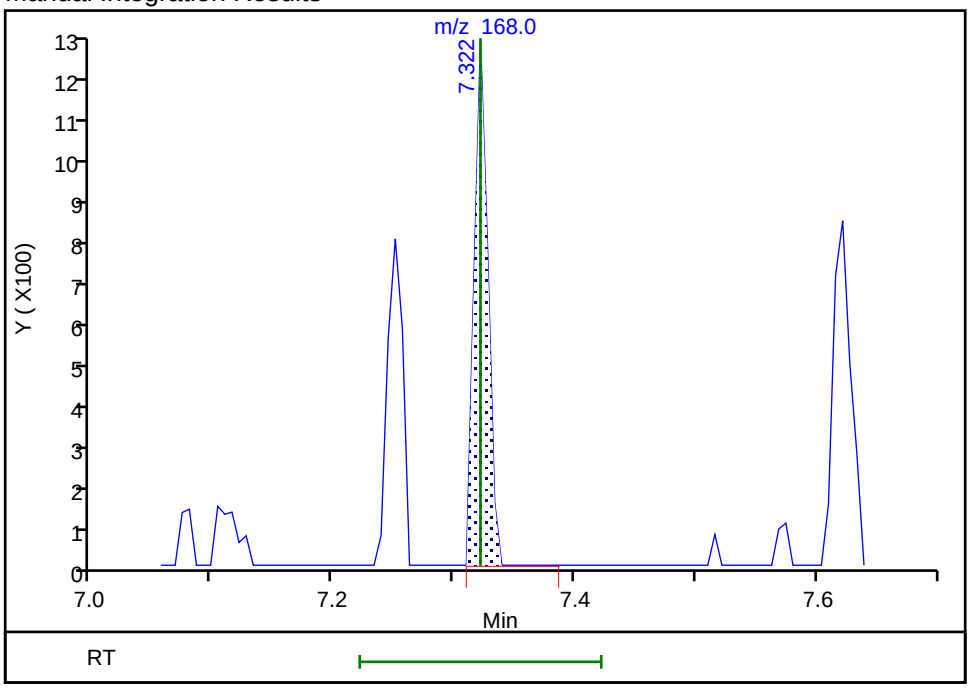
Not Detected
Expected RT: 7.32

Processing Integration Results



RT: 7.32
Area: 984
Amount: 0.089355
Amount Units: ug/ml

Manual Integration Results



Reviewer: WH7Z, 01-May-2025 16:36:53 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

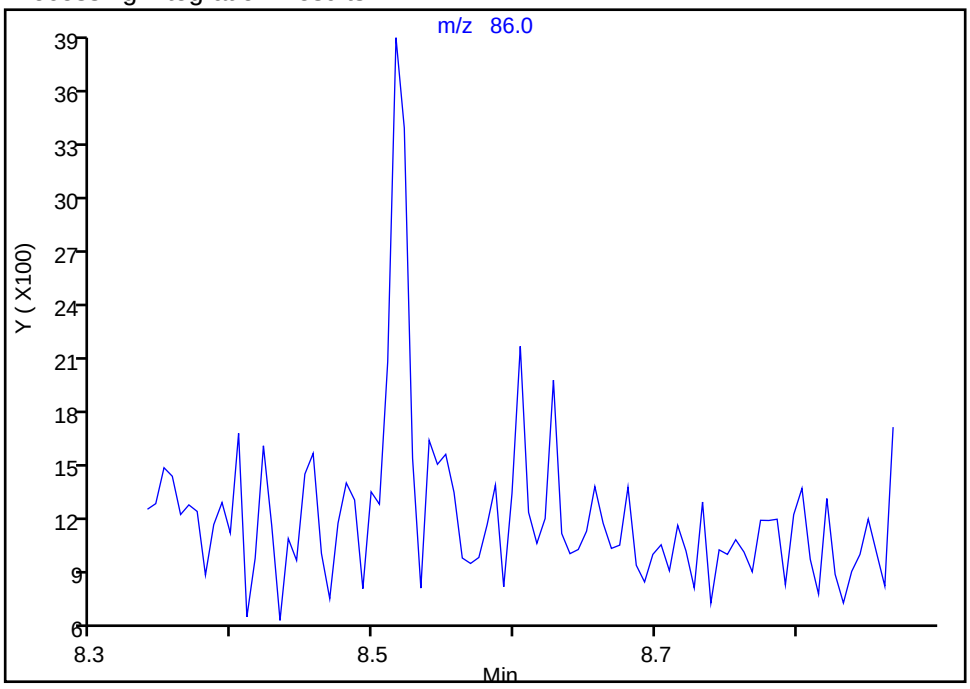
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D				
Injection Date:	01-May-2025 12:22:30	Instrument ID:	HP18831		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

119 trans-Diallate, CAS: 17708-58-6

Signal: 1

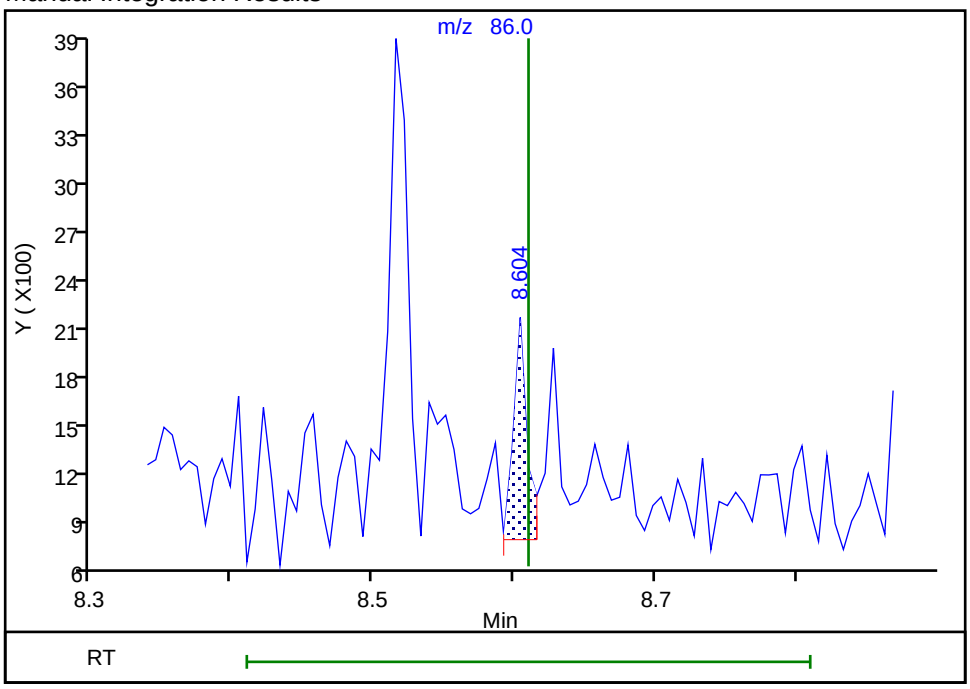
Not Detected
Expected RT: 8.61

Processing Integration Results



Manual Integration Results

RT: 8.60
Area: 875
Amount: 0.034124
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:37:27 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

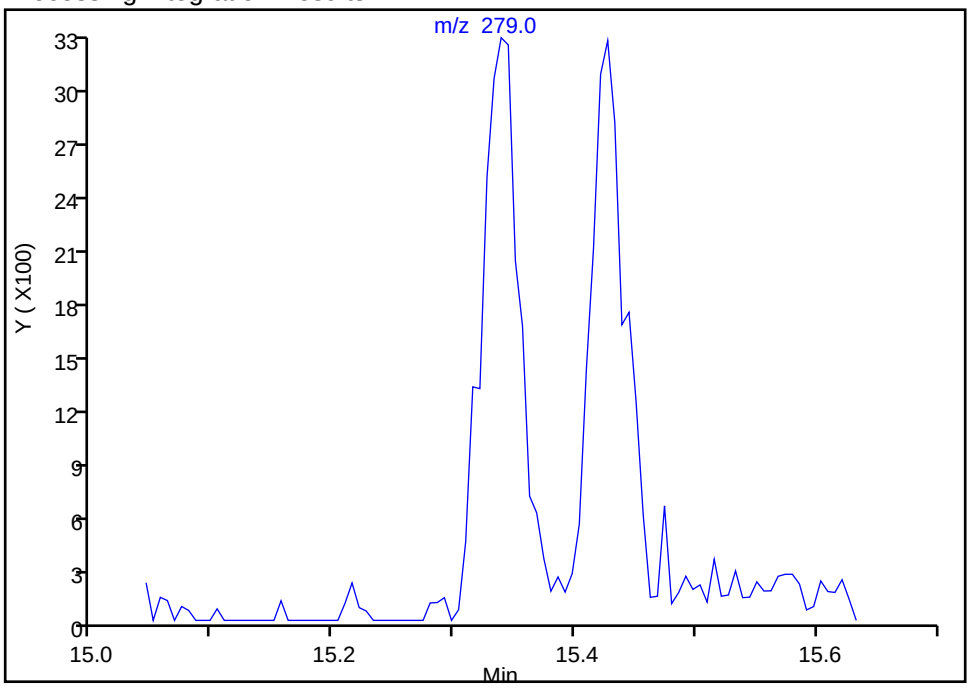
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D				
Injection Date:	01-May-2025 12:22:30	Instrument ID:	HP18831		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

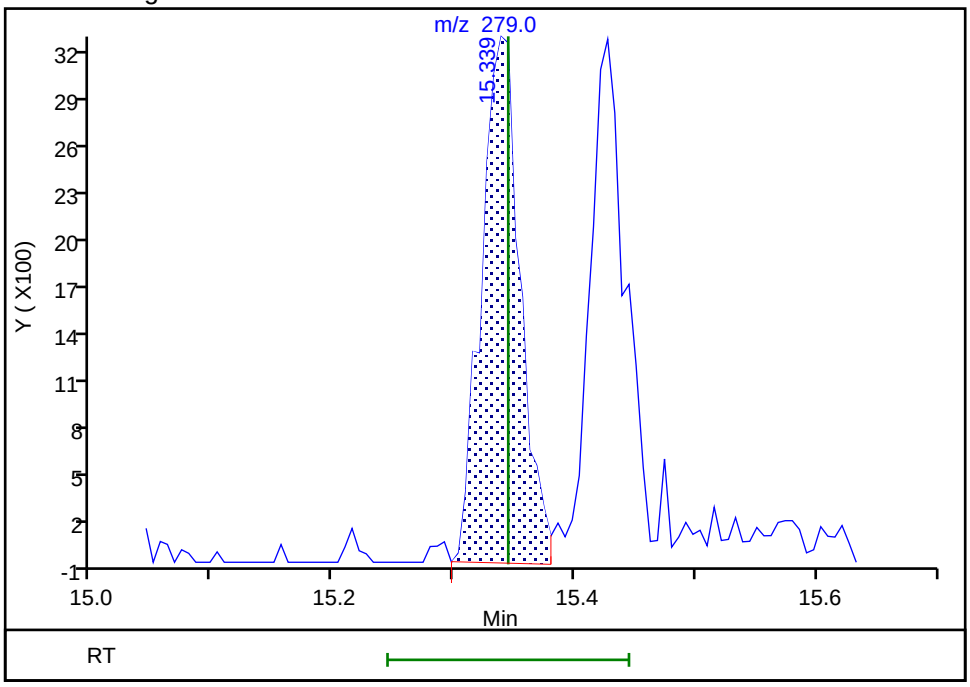
Not Detected
Expected RT: 15.34

Processing Integration Results



Manual Integration Results

RT: 15.34
Area: 7192
Amount: 0.119167
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 20:08:47 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

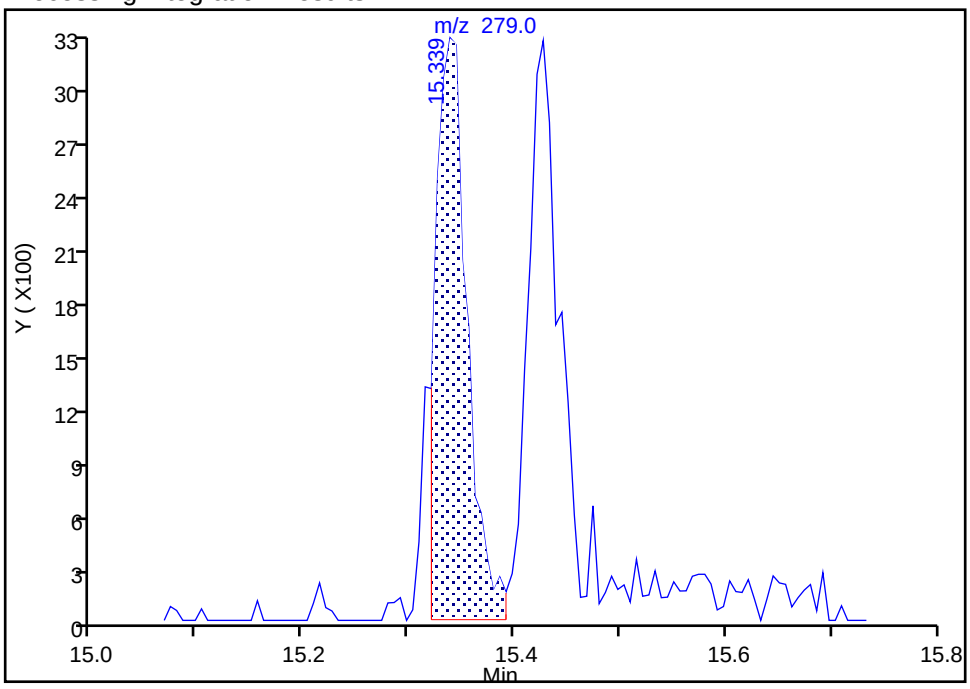
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D
Injection Date: 01-May-2025 12:22:30 Instrument ID: HP18831
Lims ID: IC L1
Client ID:
Operator ID: CJS101602 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

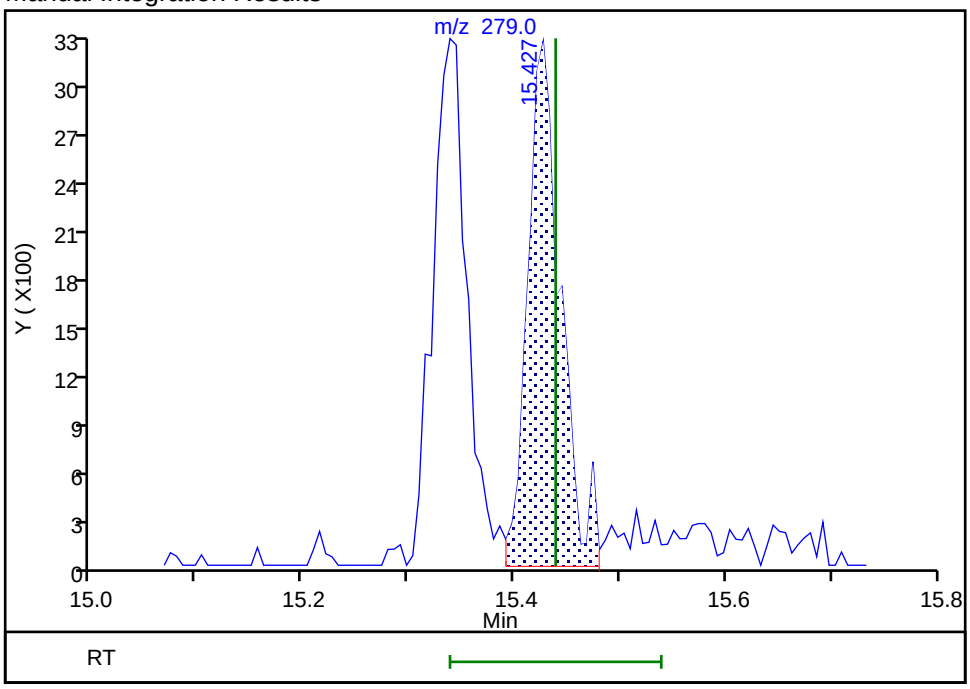
Processing Integration Results

RT: 15.34
Area: 6453
Amount: 0.091564
Amount Units: ug/ml



Manual Integration Results

RT: 15.43
Area: 6863
Amount: 0.096819
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 20:08:27 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

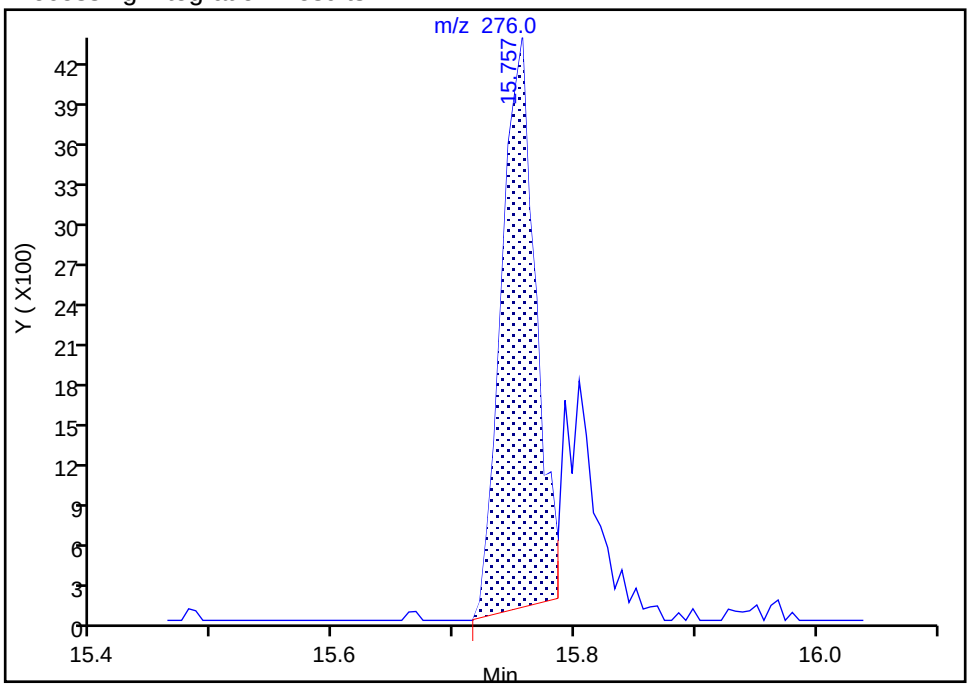
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D				
Injection Date:	01-May-2025 12:22:30	Instrument ID:	HP18831		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

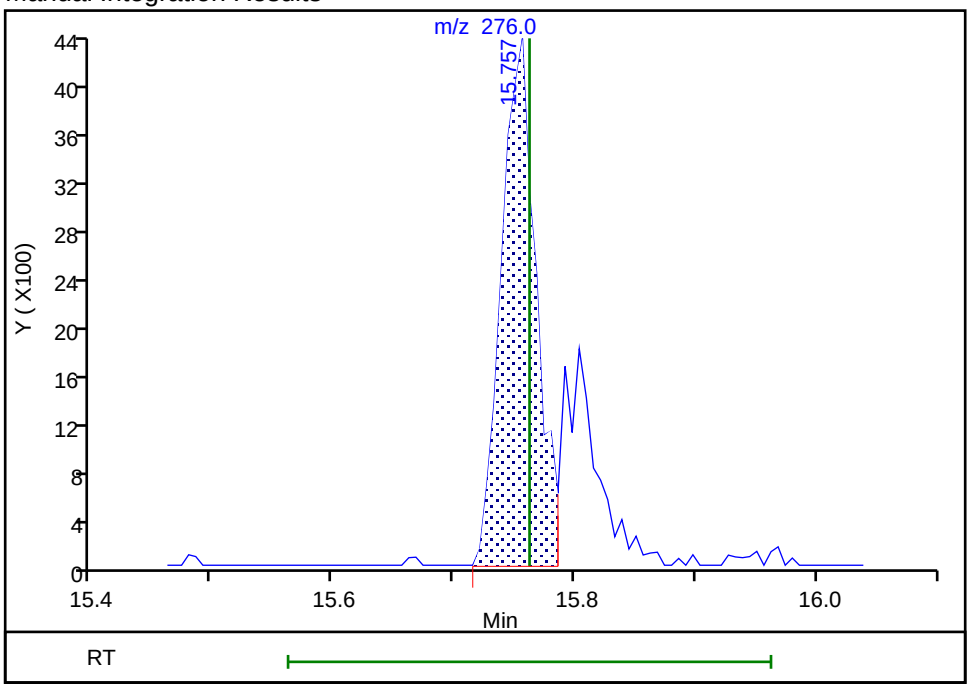
Processing Integration Results

RT: 15.76
Area: 8202
Amount: 0.103728
Amount Units: ug/ml



Manual Integration Results

RT: 15.76
Area: 8548
Amount: 0.107633
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:38:53 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

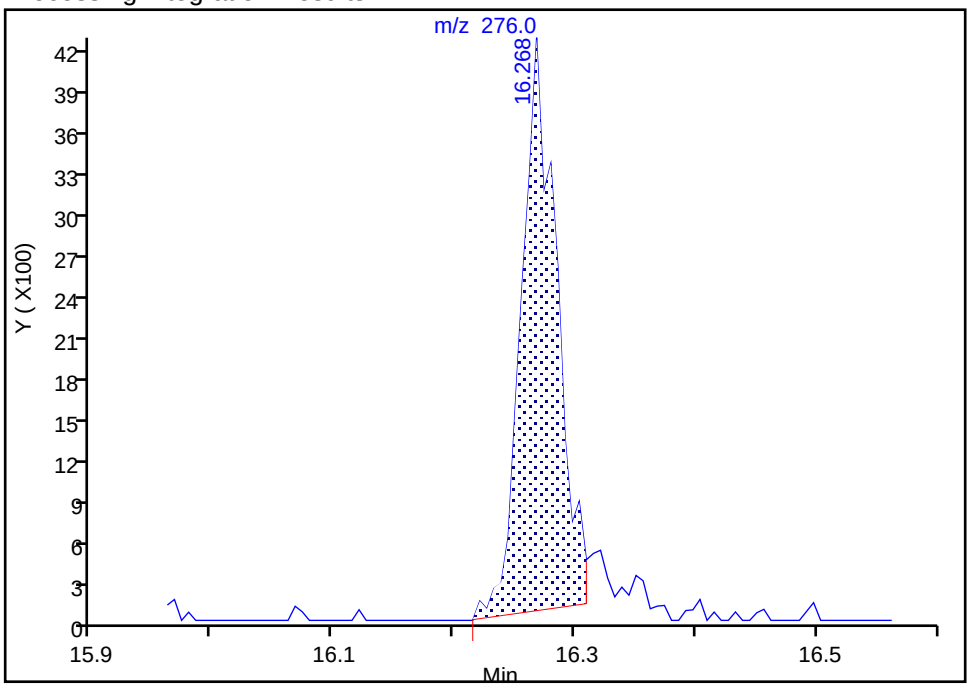
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D				
Injection Date:	01-May-2025 12:22:30	Instrument ID:	HP18831		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

165 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

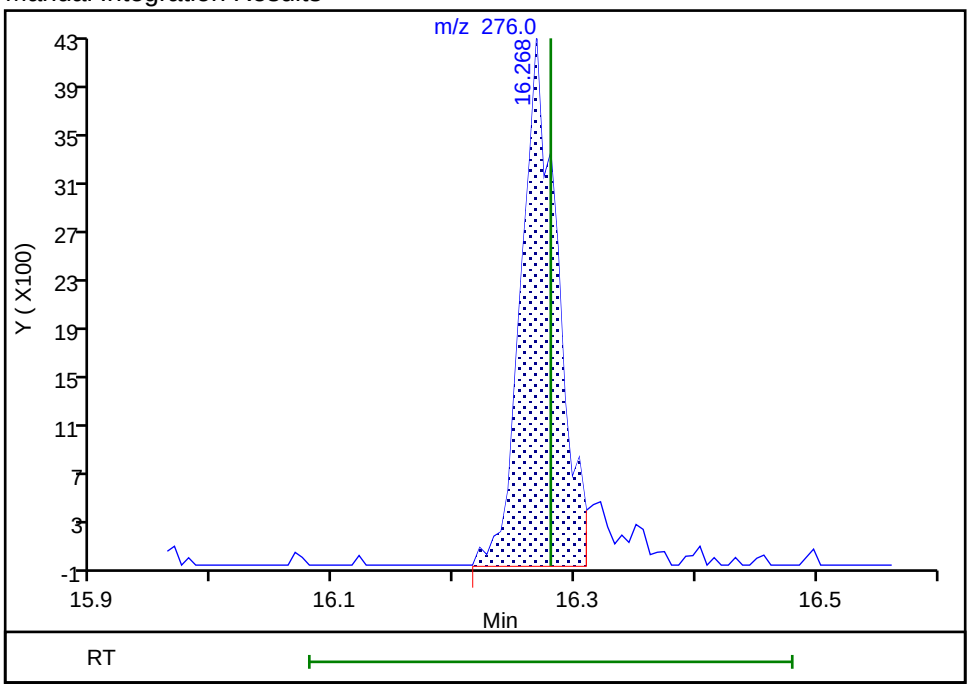
Processing Integration Results

RT: 16.27
Area: 8396
Amount: 0.102987
Amount Units: ug/ml



Manual Integration Results

RT: 16.27
Area: 8766
Amount: 0.107040
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 16:38:16 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Split Peak

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

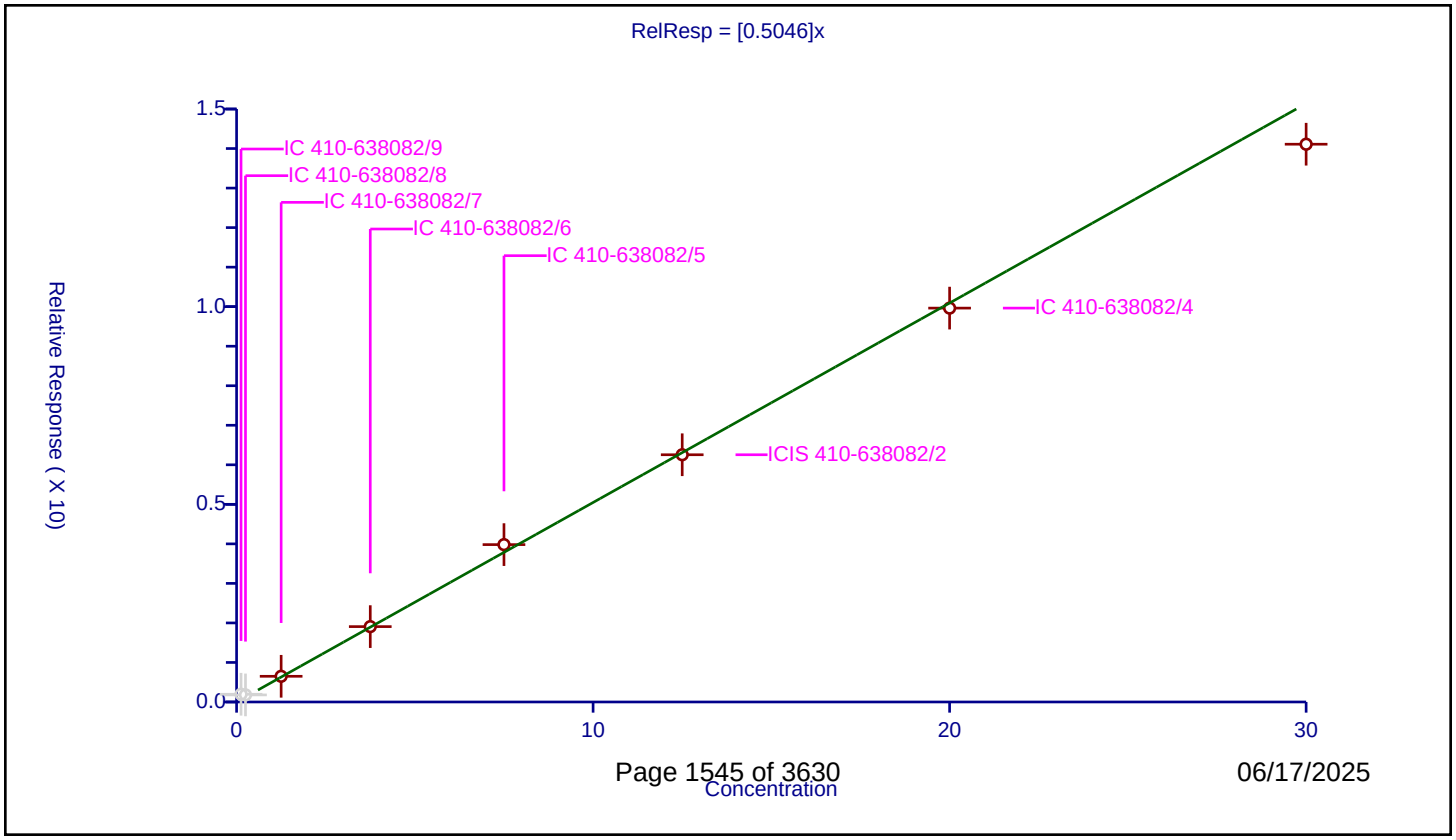
Curve Coefficients

Intercept:	0
Slope:	0.5046

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.194976	5.0	136427.0	1.559809	N
2	IC 410-638082/8	0.25	0.179265	5.0	150922.0	0.717059	N
3	IC 410-638082/7	1.25	0.649614	5.0	161973.0	0.519692	Y
4	IC 410-638082/6	3.75	1.906382	5.0	154725.0	0.508369	Y
5	IC 410-638082/5	7.5	3.981279	5.0	173065.0	0.530837	Y
6	ICIS 410-638082/2	12.5	6.253992	5.0	187880.0	0.500319	Y
7	IC 410-638082/4	20.0	9.963664	5.0	151777.0	0.498183	Y
8	IC 410-638082/3	30.0	14.109787	5.0	196908.0	0.470326	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

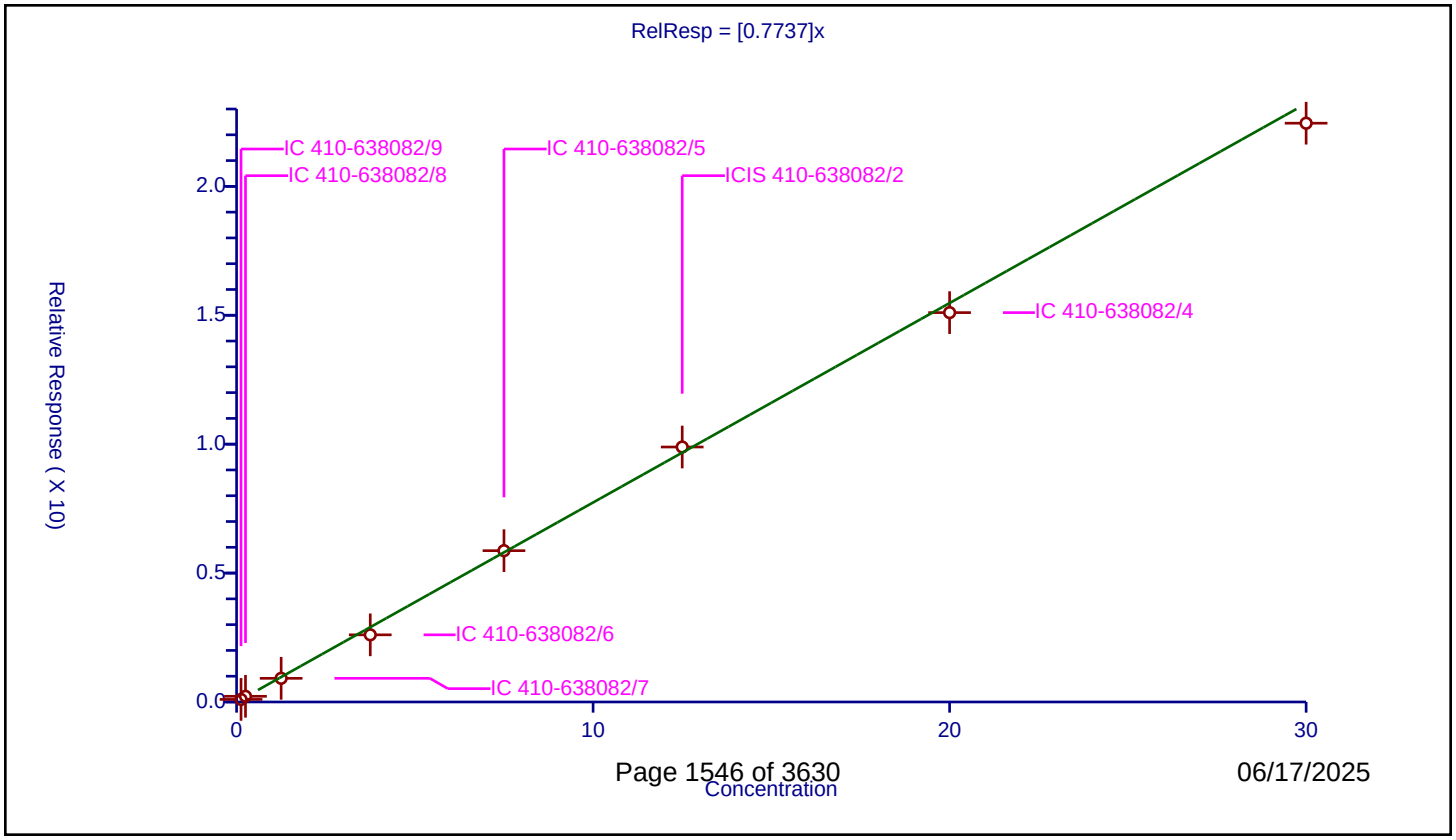
Curve Coefficients

Intercept:	0
Slope:	0.7737

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.100273	5.0	136427.0	0.802187	Y
2	IC 410-638082/8	0.25	0.220312	5.0	150922.0	0.88125	Y
3	IC 410-638082/7	1.25	0.918116	5.0	161973.0	0.734493	Y
4	IC 410-638082/6	3.75	2.604589	5.0	154725.0	0.694557	Y
5	IC 410-638082/5	7.5	5.868922	5.0	173065.0	0.782523	Y
6	ICIS 410-638082/2	12.5	9.889823	5.0	187880.0	0.791186	Y
7	IC 410-638082/4	20.0	15.102782	5.0	151777.0	0.755139	Y
8	IC 410-638082/3	30.0	22.449824	5.0	196908.0	0.748327	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

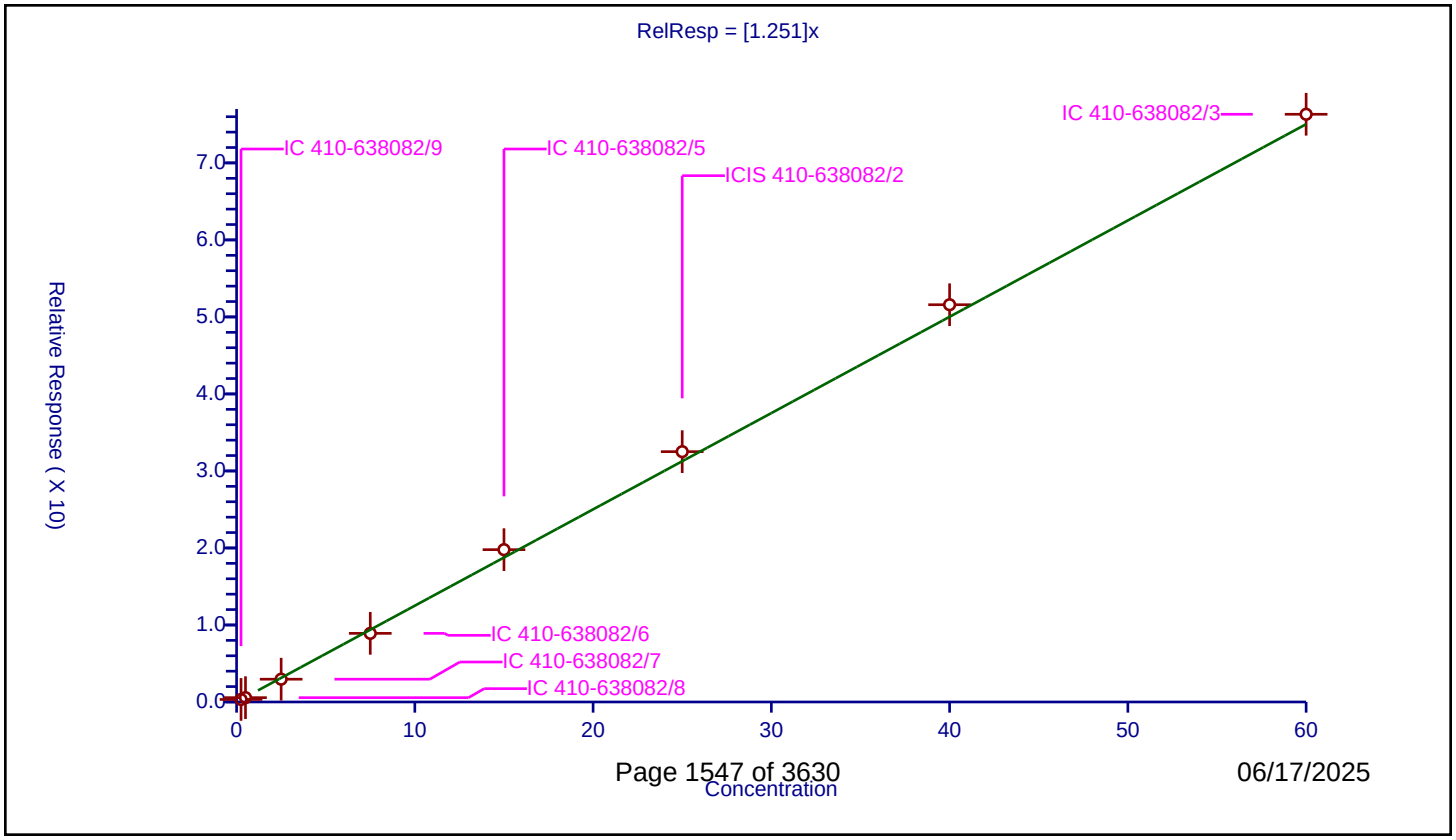
Curve Coefficients

Intercept:	0
Slope:	1.251

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.25	0.330653	5.0	136427.0	1.322612	Y
2	IC 410-638082/8	0.5	0.564331	5.0	150922.0	1.128662	Y
3	IC 410-638082/7	2.5	2.960277	5.0	161973.0	1.184111	Y
4	IC 410-638082/6	7.5	8.910228	5.0	154725.0	1.18803	Y
5	IC 410-638082/5	15.0	19.782336	5.0	173065.0	1.318822	Y
6	ICIS 410-638082/2	25.0	32.505855	5.0	187880.0	1.300234	Y
7	IC 410-638082/4	40.0	51.588218	5.0	151777.0	1.289705	Y
8	IC 410-638082/3	60.0	76.317214	5.0	196908.0	1.271954	Y



06/17/2025

Calibration / Dimethylformamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

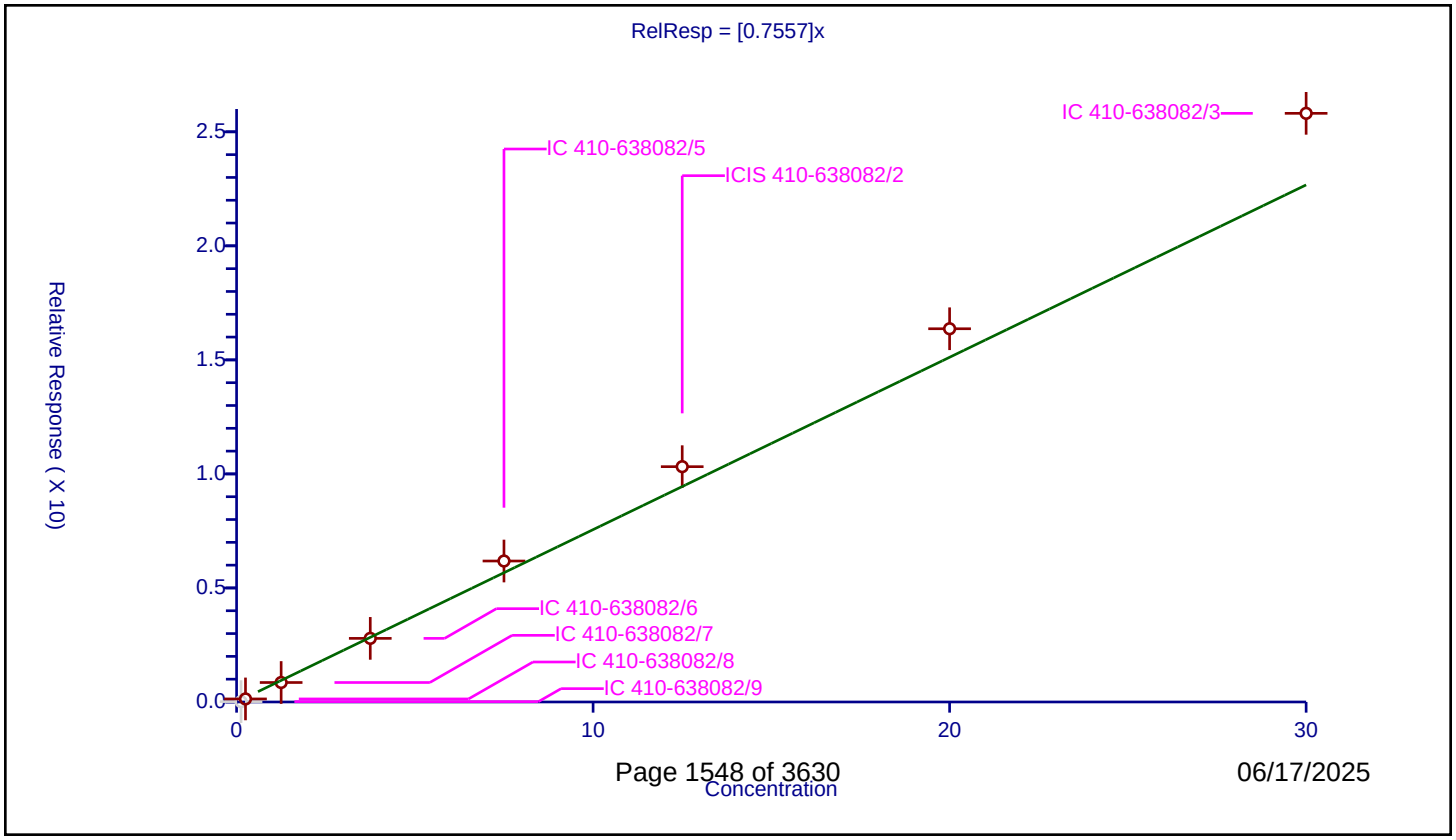
Curve Coefficients

Intercept:	0
Slope:	0.7557

Error Coefficients

Relative Standard Deviation:	15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.015283	5.0	136427.0	0.122263	N
2	IC 410-638082/8	0.25	0.133778	5.0	150922.0	0.535111	Y
3	IC 410-638082/7	1.25	0.853568	5.0	161973.0	0.682855	Y
4	IC 410-638082/6	3.75	2.789788	5.0	154725.0	0.743944	Y
5	IC 410-638082/5	7.5	6.18103	5.0	173065.0	0.824137	Y
6	ICIS 410-638082/2	12.5	10.318554	5.0	187880.0	0.825484	Y
7	IC 410-638082/4	20.0	16.364897	5.0	151777.0	0.818245	Y
8	IC 410-638082/3	30.0	25.810785	5.0	196908.0	0.860359	Y



Calibration / 2-Picoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

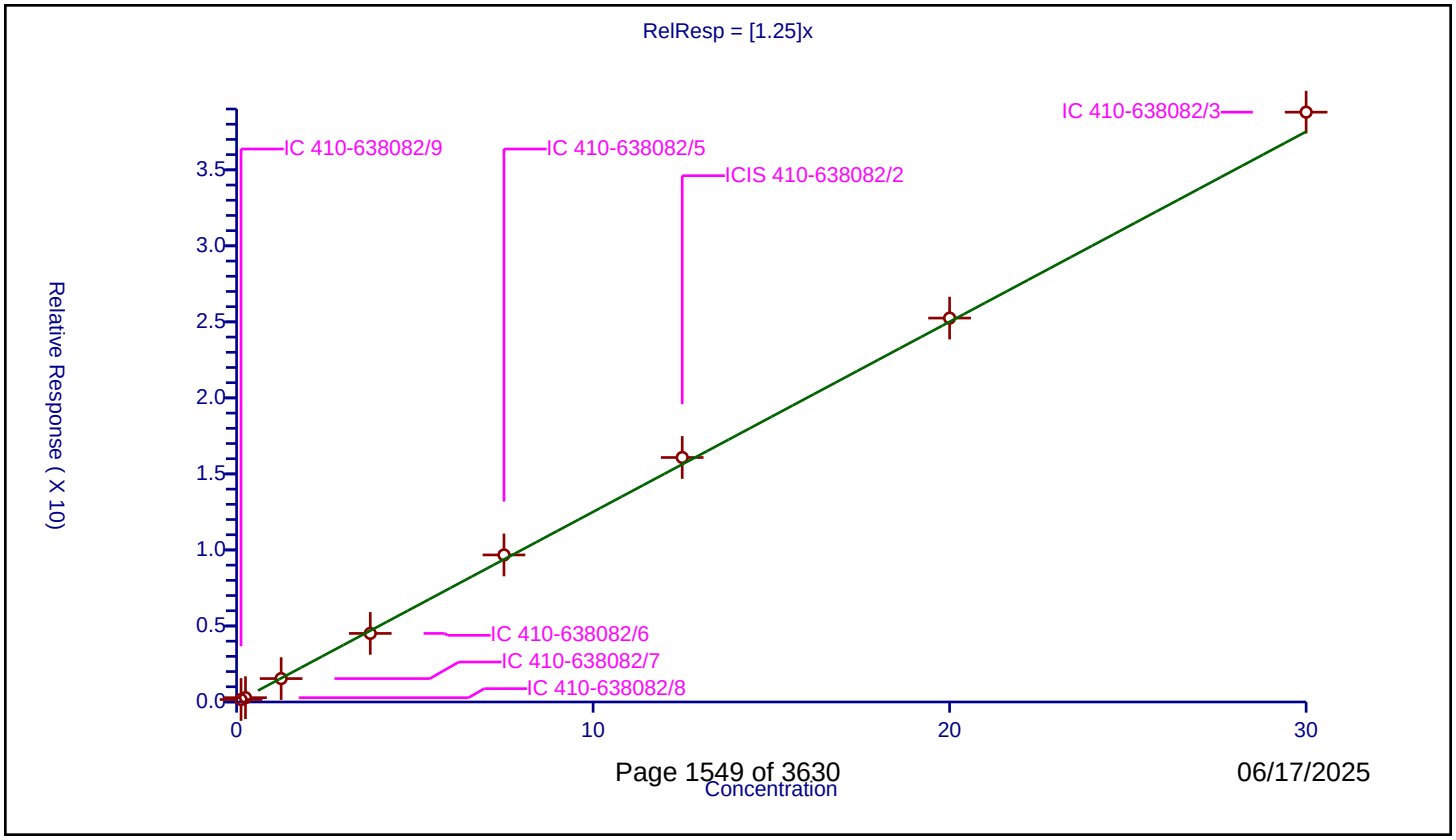
Curve Coefficients

Intercept:	0
Slope:	1.25

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.163054	5.0	136427.0	1.304434	Y
2	IC 410-638082/8	0.25	0.283358	5.0	150922.0	1.133433	Y
3	IC 410-638082/7	1.25	1.538158	5.0	161973.0	1.230526	Y
4	IC 410-638082/6	3.75	4.51026	5.0	154725.0	1.202736	Y
5	IC 410-638082/5	7.5	9.672493	5.0	173065.0	1.289666	Y
6	ICIS 410-638082/2	12.5	16.080477	5.0	187880.0	1.286438	Y
7	IC 410-638082/4	20.0	25.249478	5.0	151777.0	1.262474	Y
8	IC 410-638082/3	30.0	38.792406	5.0	196908.0	1.29308	Y



Calibration / N-Nitrosomethylethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

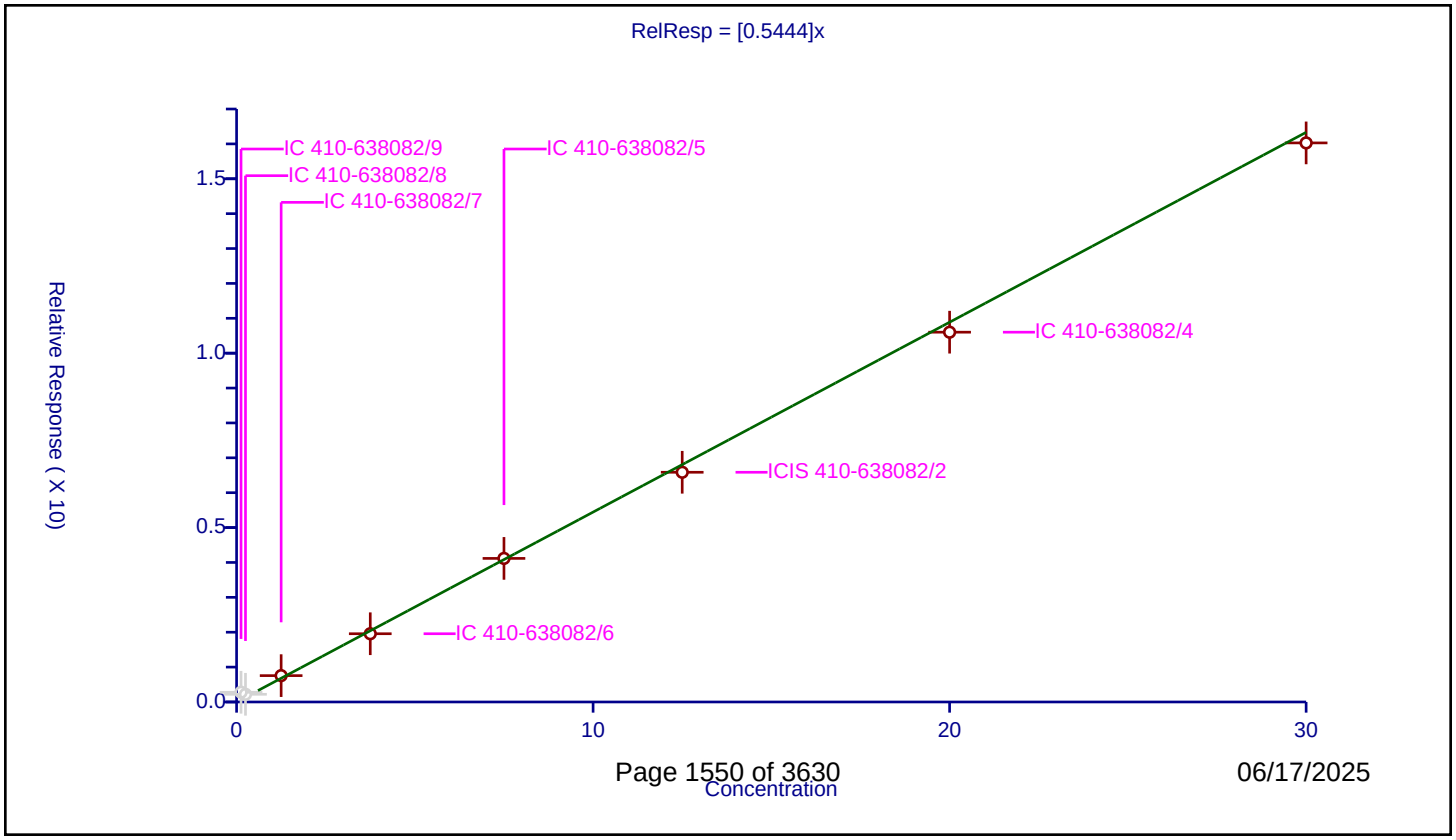
Curve Coefficients

Intercept:	0
Slope:	0.5444

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.279014	5.0	136427.0	2.232109	N
2	IC 410-638082/8	0.25	0.220213	5.0	150922.0	0.880852	N
3	IC 410-638082/7	1.25	0.755651	5.0	161973.0	0.604521	Y
4	IC 410-638082/6	3.75	1.956471	5.0	154725.0	0.521726	Y
5	IC 410-638082/5	7.5	4.116257	5.0	173065.0	0.548834	Y
6	ICIS 410-638082/2	12.5	6.586172	5.0	187880.0	0.526894	Y
7	IC 410-638082/4	20.0	10.601672	5.0	151777.0	0.530084	Y
8	IC 410-638082/3	30.0	16.028551	5.0	196908.0	0.534285	Y



Calibration / Methyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

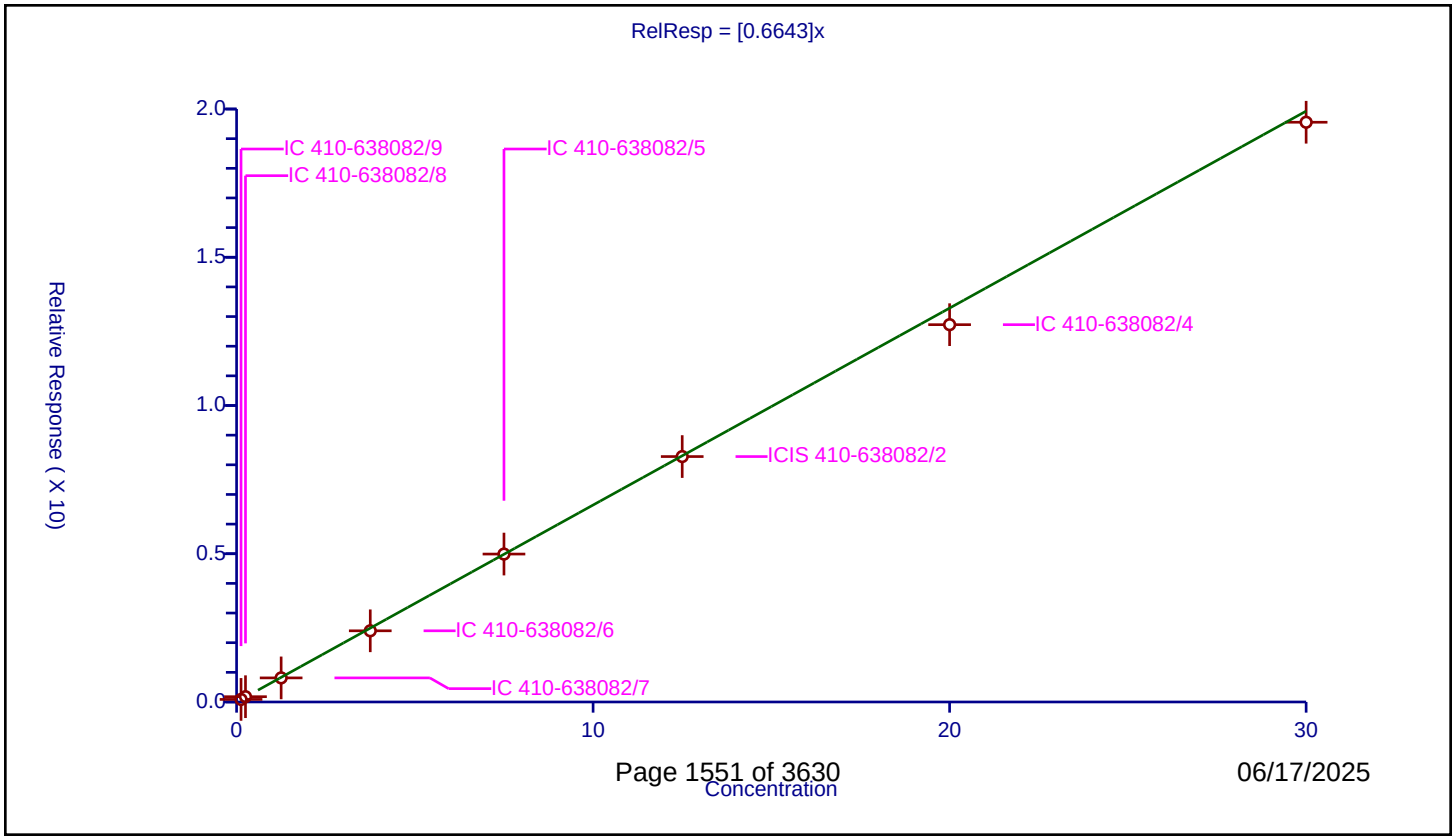
Curve Coefficients

Intercept:	0
Slope:	0.6643

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.08675	5.0	136427.0	0.693998	Y
2	IC 410-638082/8	0.25	0.178635	5.0	150922.0	0.714541	Y
3	IC 410-638082/7	1.25	0.812481	5.0	161973.0	0.649985	Y
4	IC 410-638082/6	3.75	2.400743	5.0	154725.0	0.640198	Y
5	IC 410-638082/5	7.5	4.989397	5.0	173065.0	0.665253	Y
6	ICIS 410-638082/2	12.5	8.27789	5.0	187880.0	0.662231	Y
7	IC 410-638082/4	20.0	12.726599	5.0	151777.0	0.63633	Y
8	IC 410-638082/3	30.0	19.554233	5.0	196908.0	0.651808	Y



Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

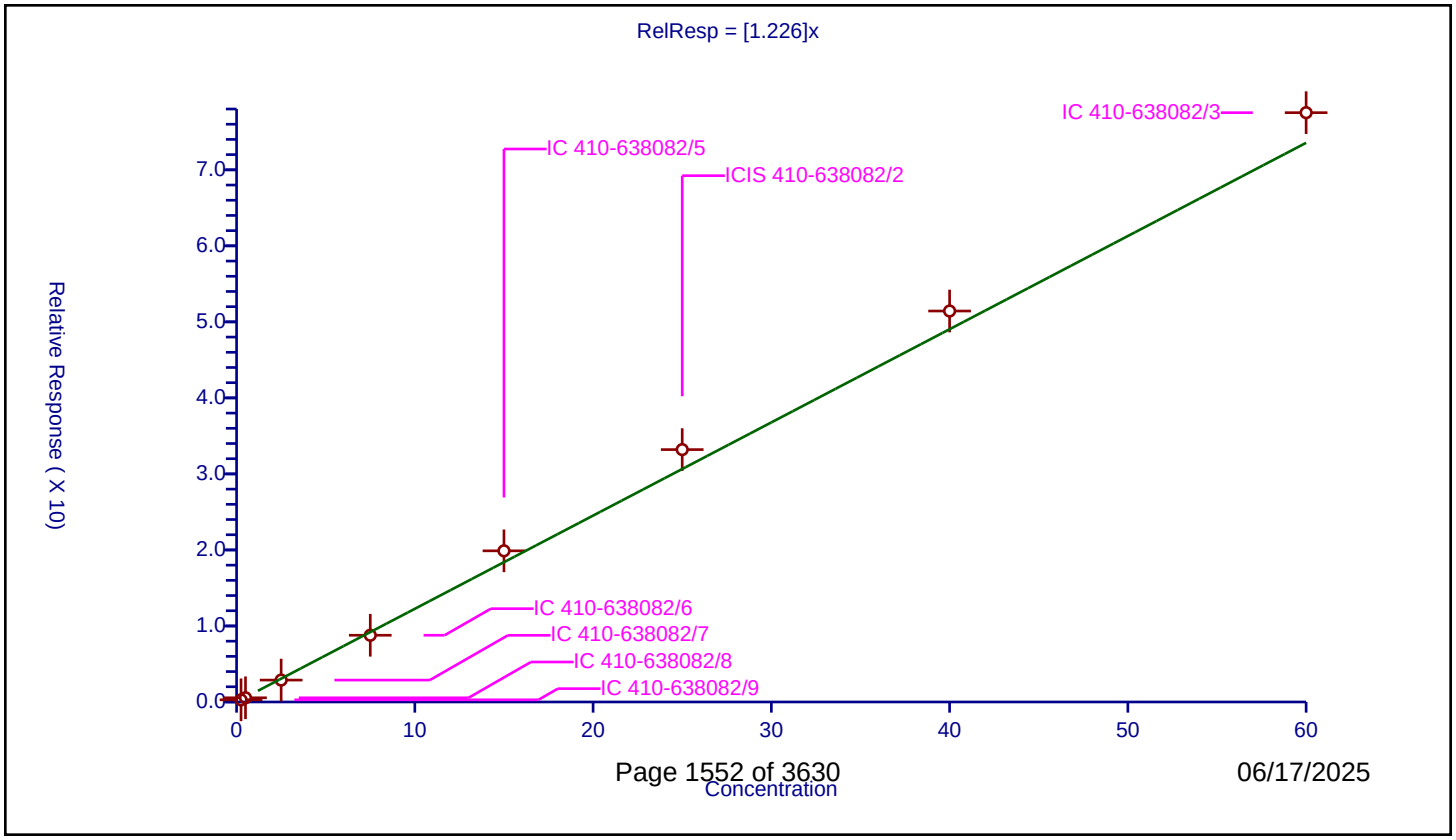
Curve Coefficients

Intercept:	0
Slope:	1.226

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.25	0.286637	5.0	136427.0	1.146547	Y
2	IC 410-638082/8	0.5	0.552935	5.0	150922.0	1.105869	Y
3	IC 410-638082/7	2.5	2.881437	5.0	161973.0	1.152575	Y
4	IC 410-638082/6	7.5	8.779415	5.0	154725.0	1.170589	Y
5	IC 410-638082/5	15.0	19.884523	5.0	173065.0	1.325635	Y
6	ICIS 410-638082/2	25.0	33.198425	5.0	187880.0	1.327937	Y
7	IC 410-638082/4	40.0	51.428642	5.0	151777.0	1.285716	Y
8	IC 410-638082/3	60.0	77.520974	5.0	196908.0	1.292016	Y



Calibration / N-Nitrosodiethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

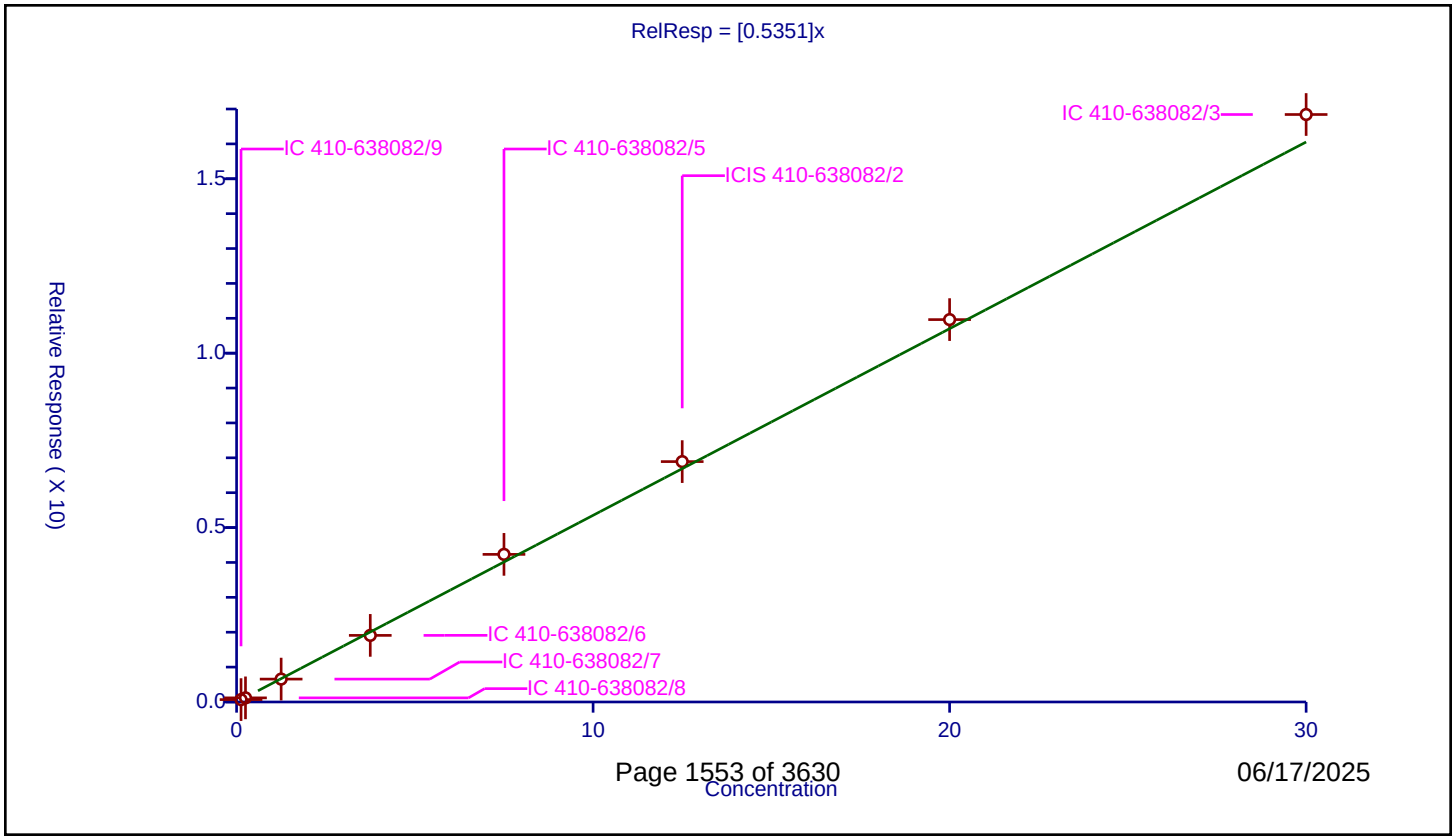
Curve Coefficients

Intercept:	0
Slope:	0.5351

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.068608	5.0	136427.0	0.548865	Y
2	IC 410-638082/8	0.25	0.118174	5.0	150922.0	0.472695	Y
3	IC 410-638082/7	1.25	0.656653	5.0	161973.0	0.525322	Y
4	IC 410-638082/6	3.75	1.909097	5.0	154725.0	0.509092	Y
5	IC 410-638082/5	7.5	4.232109	5.0	173065.0	0.564281	Y
6	ICIS 410-638082/2	12.5	6.89134	5.0	187880.0	0.551307	Y
7	IC 410-638082/4	20.0	10.962333	5.0	151777.0	0.548117	Y
8	IC 410-638082/3	30.0	16.842282	5.0	196908.0	0.561409	Y



Calibration / Ethyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

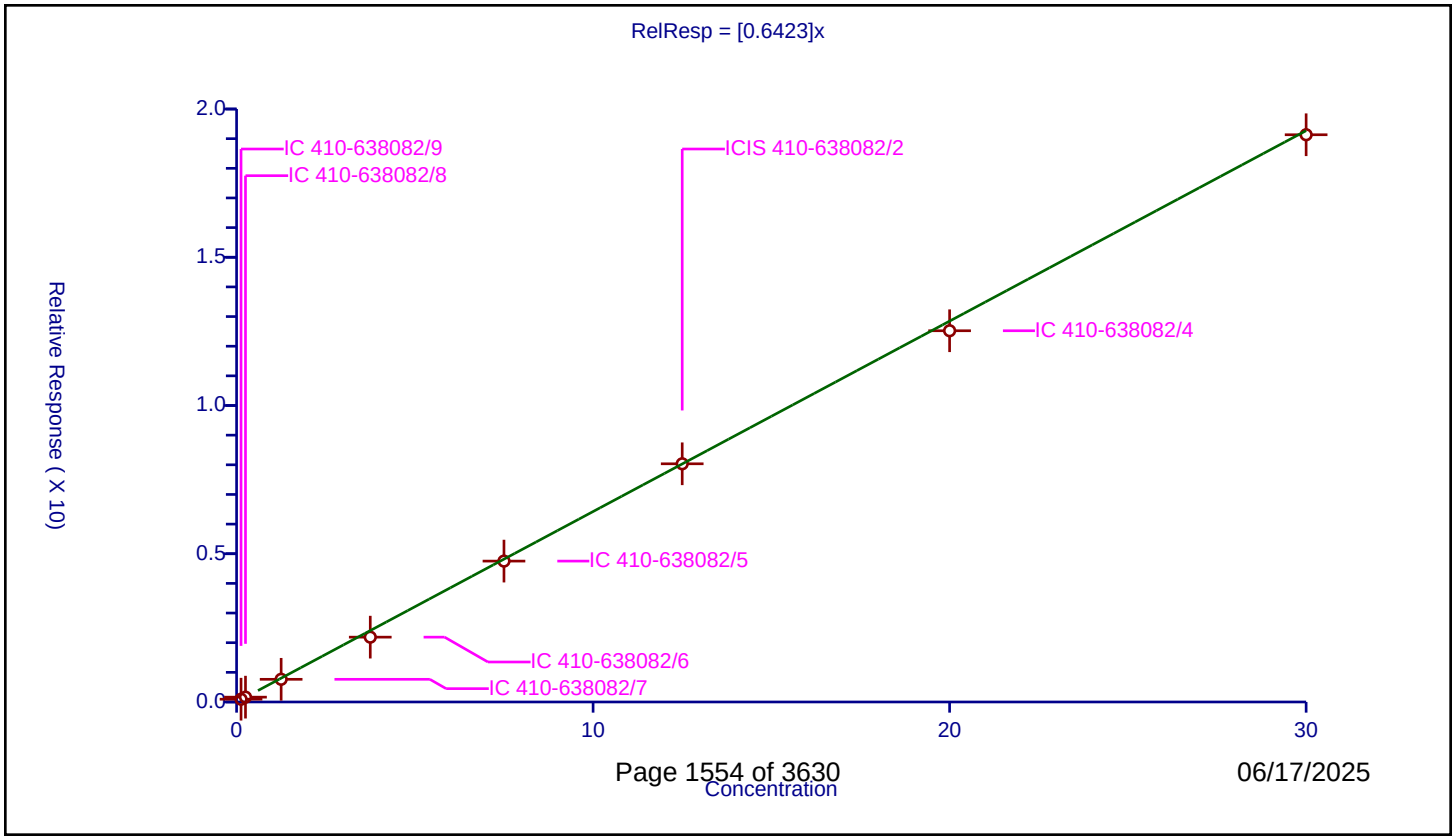
Curve Coefficients

Intercept:	0
Slope:	0.6423

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.09375	5.0	136427.0	0.749998	Y
2	IC 410-638082/8	0.25	0.163363	5.0	150922.0	0.65345	Y
3	IC 410-638082/7	1.25	0.764788	5.0	161973.0	0.61183	Y
4	IC 410-638082/6	3.75	2.18688	5.0	154725.0	0.583168	Y
5	IC 410-638082/5	7.5	4.751885	5.0	173065.0	0.633585	Y
6	ICIS 410-638082/2	12.5	8.033745	5.0	187880.0	0.6427	Y
7	IC 410-638082/4	20.0	12.521594	5.0	151777.0	0.62608	Y
8	IC 410-638082/3	30.0	19.132082	5.0	196908.0	0.637736	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

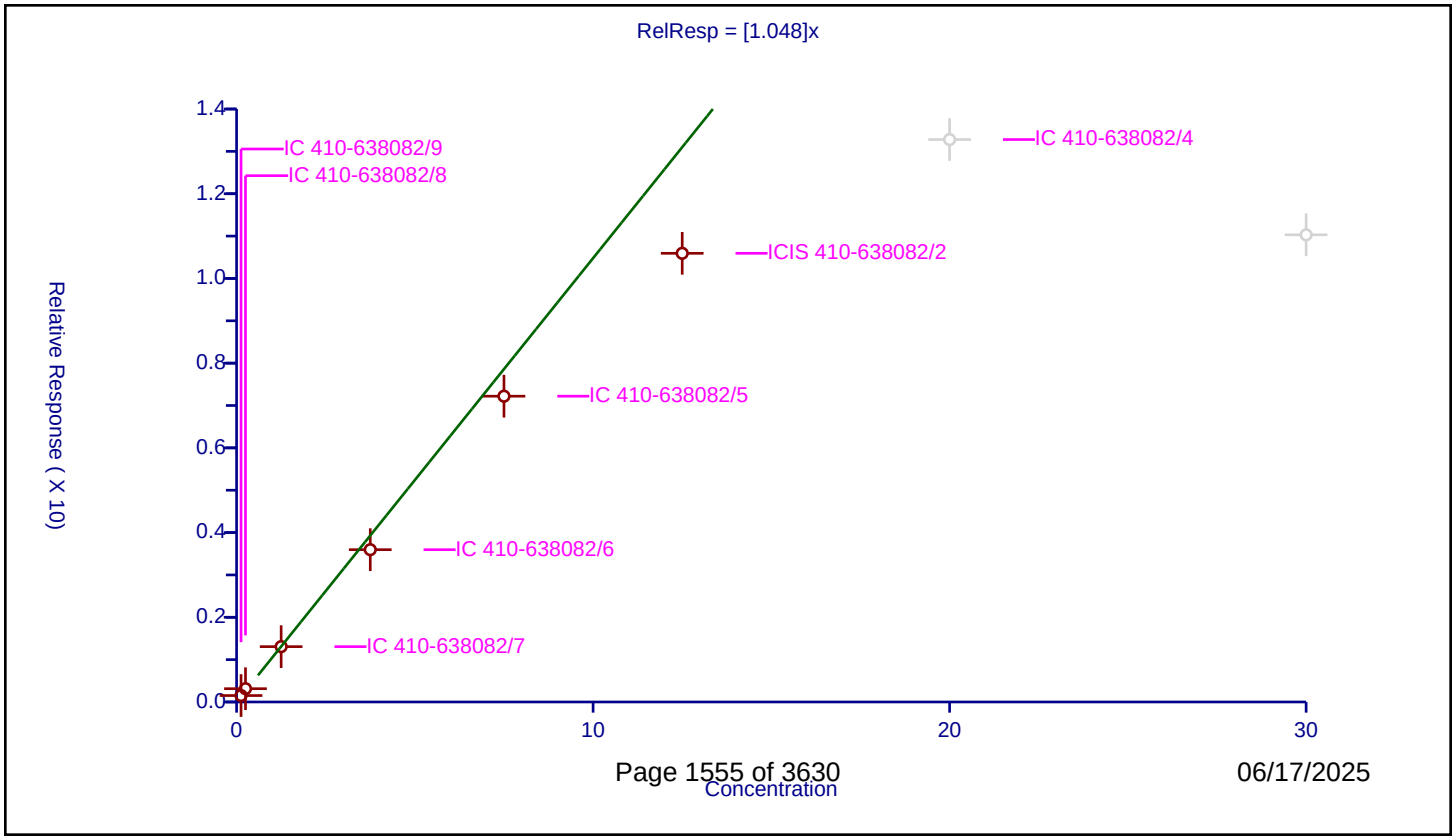
Curve Coefficients

Intercept:	0
Slope:	1.048

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.152243	5.0	136427.0	1.217941	Y
2	IC 410-638082/8	0.25	0.313771	5.0	150922.0	1.255085	Y
3	IC 410-638082/7	1.25	1.306607	5.0	161973.0	1.045285	Y
4	IC 410-638082/6	3.75	3.595864	5.0	154725.0	0.958897	Y
5	IC 410-638082/5	7.5	7.219773	5.0	173065.0	0.962636	Y
6	ICIS 410-638082/2	12.5	10.593038	5.0	187880.0	0.847443	Y
7	IC 410-638082/4	20.0	13.278856	5.0	151777.0	0.663943	N
8	IC 410-638082/3	30.0	11.029415	5.0	196908.0	0.367647	N



Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

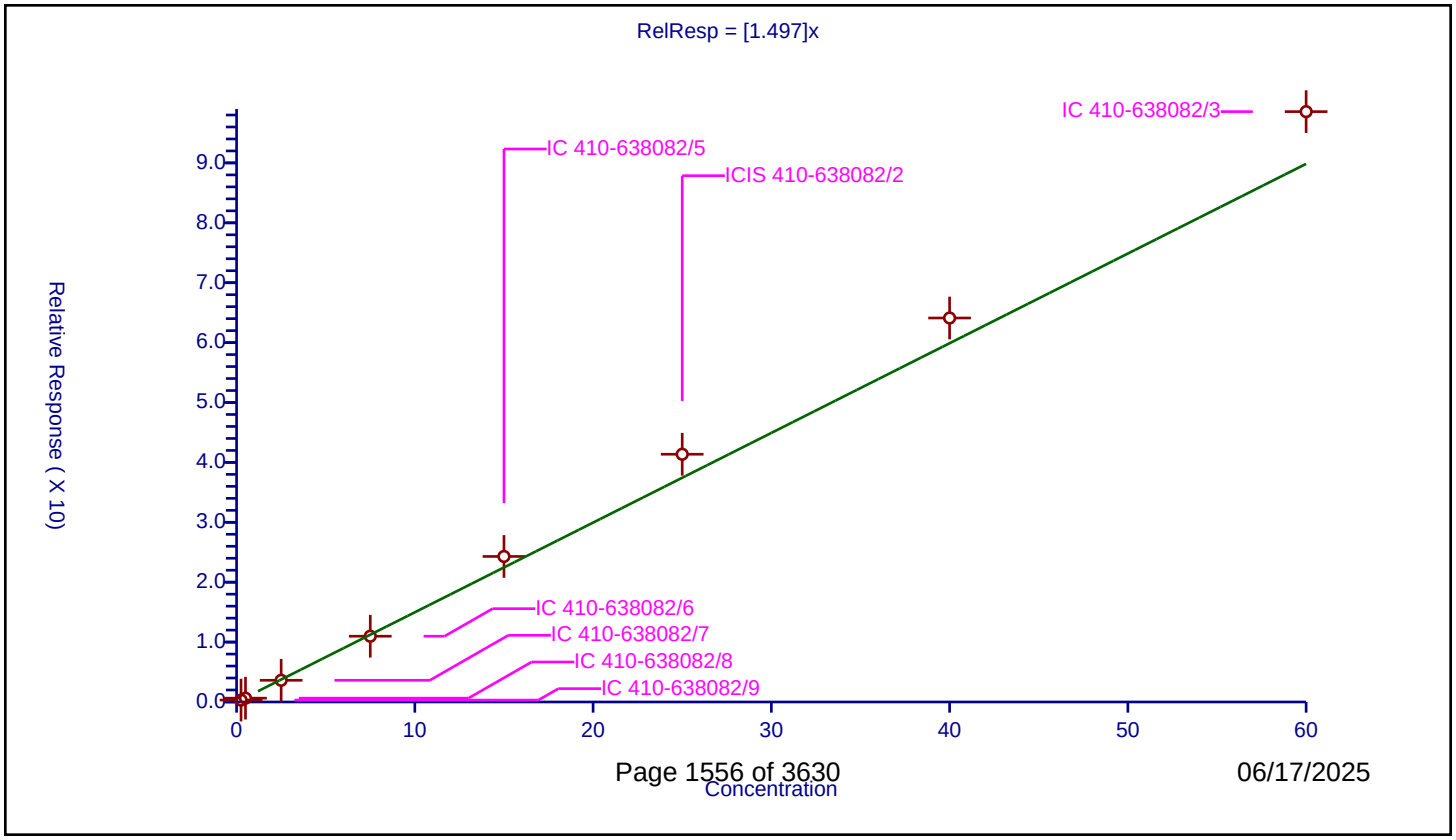
Curve Coefficients

Intercept:	0
Slope:	1.497

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.25	0.317606	5.0	136427.0	1.270423	Y
2	IC 410-638082/8	0.5	0.638343	5.0	150922.0	1.276686	Y
3	IC 410-638082/7	2.5	3.62085	5.0	161973.0	1.44834	Y
4	IC 410-638082/6	7.5	10.979027	5.0	154725.0	1.46387	Y
5	IC 410-638082/5	15.0	24.297489	5.0	173065.0	1.619833	Y
6	ICIS 410-638082/2	25.0	41.361481	5.0	187880.0	1.654459	Y
7	IC 410-638082/4	40.0	64.109516	5.0	151777.0	1.602738	Y
8	IC 410-638082/3	60.0	98.561714	5.0	196908.0	1.642695	Y



06/17/2025

Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

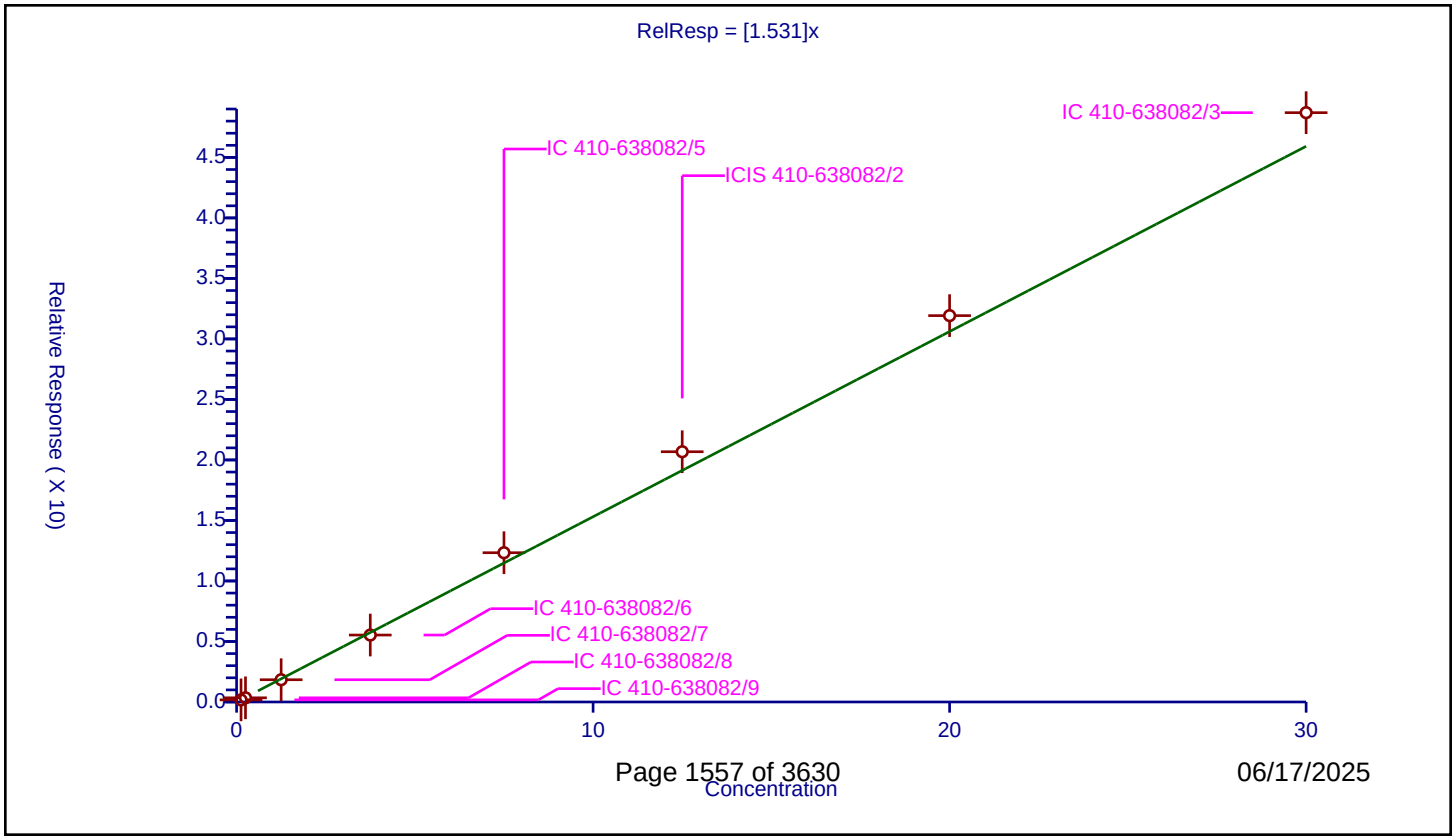
Curve Coefficients

Intercept:	0
Slope:	1.531

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.174562	5.0	136427.0	1.396498	Y
2	IC 410-638082/8	0.25	0.345708	5.0	150922.0	1.382834	Y
3	IC 410-638082/7	1.25	1.839689	5.0	161973.0	1.471751	Y
4	IC 410-638082/6	3.75	5.532622	5.0	154725.0	1.475366	Y
5	IC 410-638082/5	7.5	12.335452	5.0	173065.0	1.644727	Y
6	ICIS 410-638082/2	12.5	20.679742	5.0	187880.0	1.654379	Y
7	IC 410-638082/4	20.0	31.927268	5.0	151777.0	1.596363	Y
8	IC 410-638082/3	30.0	48.698174	5.0	196908.0	1.623272	Y



Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

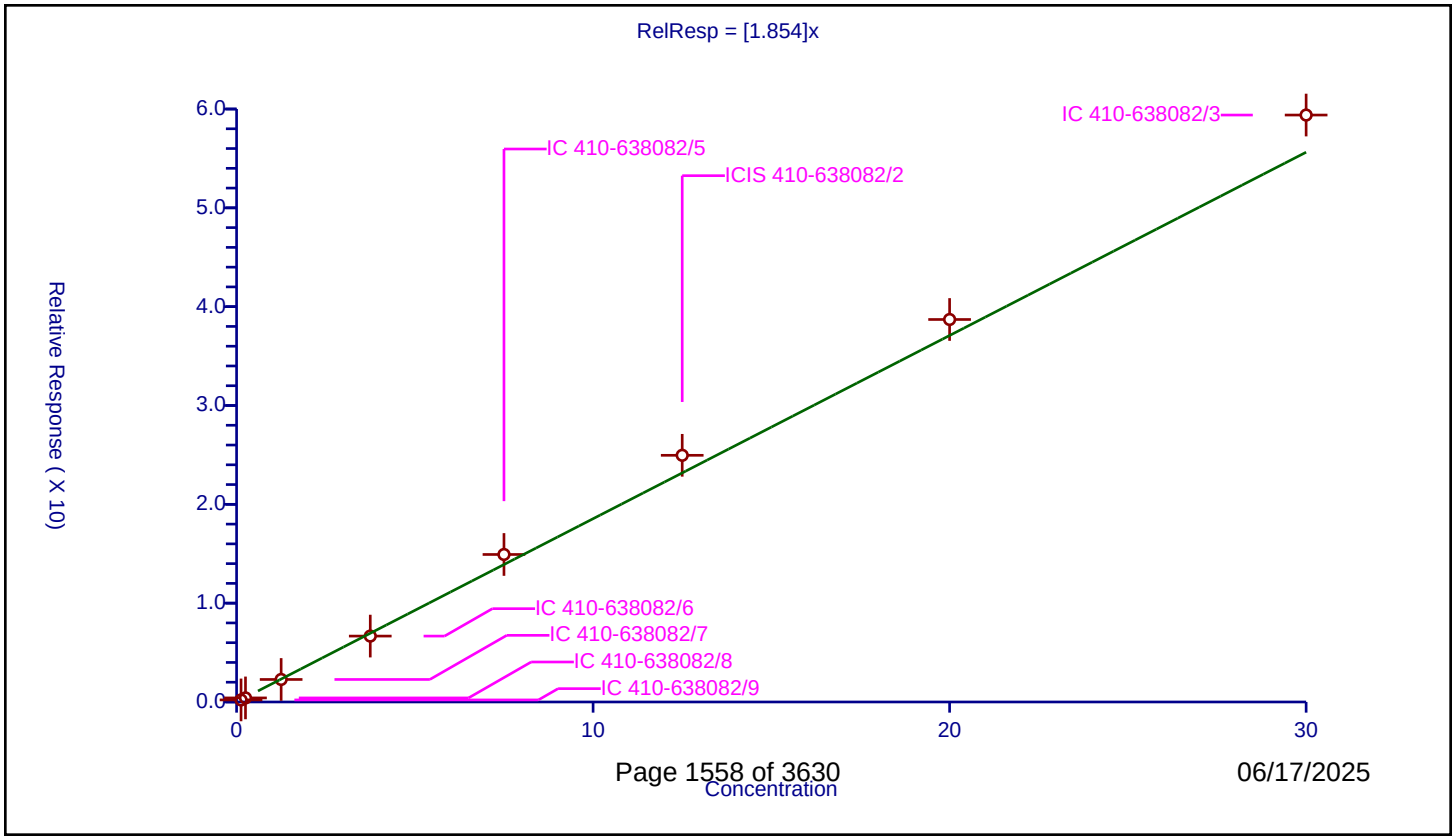
Curve Coefficients

Intercept:	0
Slope:	1.854

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.210039	5.0	136427.0	1.680313	Y
2	IC 410-638082/8	0.25	0.412498	5.0	150922.0	1.649991	Y
3	IC 410-638082/7	1.25	2.279608	5.0	161973.0	1.823687	Y
4	IC 410-638082/6	3.75	6.669381	5.0	154725.0	1.778502	Y
5	IC 410-638082/5	7.5	14.924277	5.0	173065.0	1.989904	Y
6	ICIS 410-638082/2	12.5	24.960799	5.0	187880.0	1.996864	Y
7	IC 410-638082/4	20.0	38.702504	5.0	151777.0	1.935125	Y
8	IC 410-638082/3	30.0	59.389944	5.0	196908.0	1.979665	Y



Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

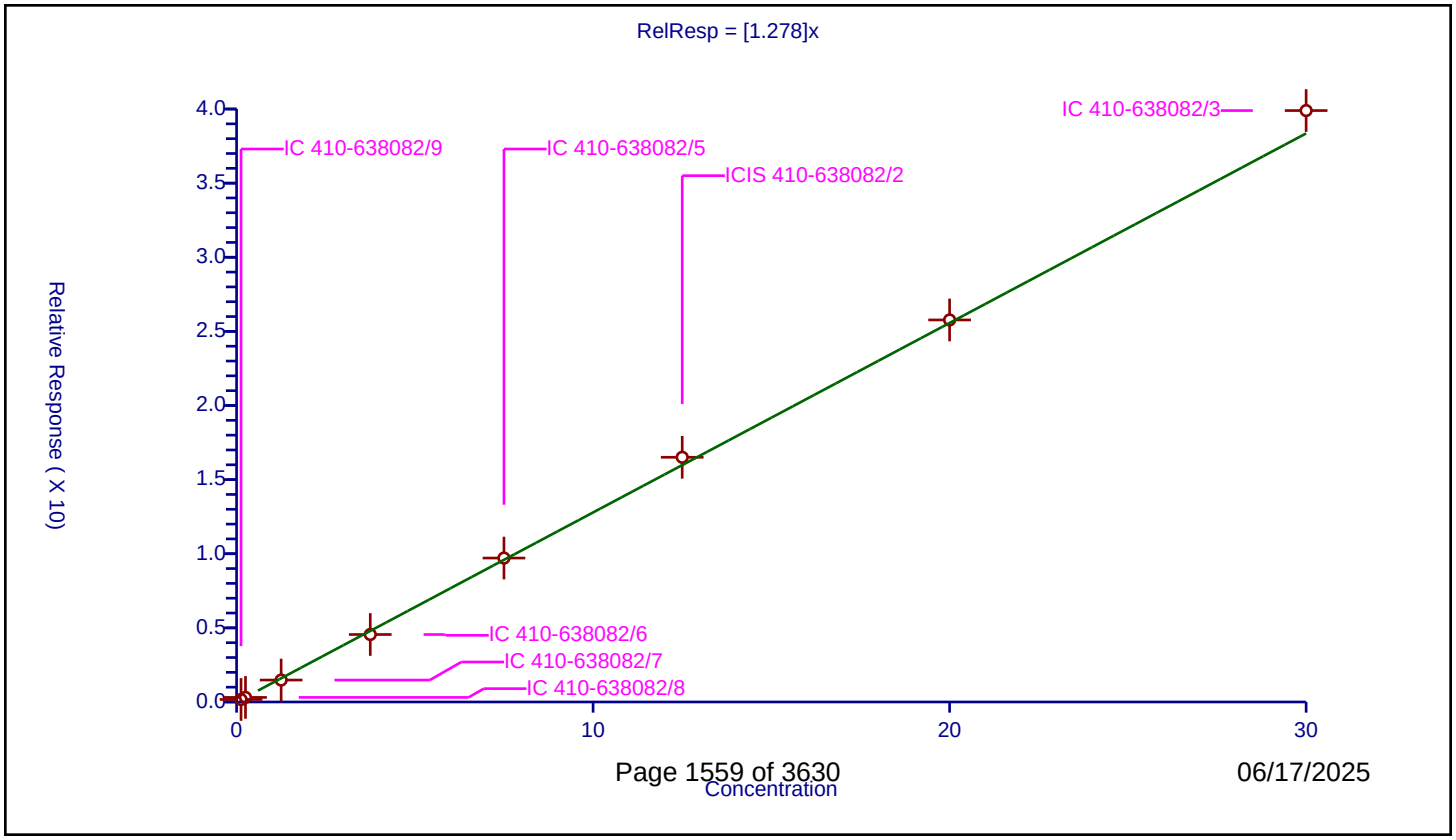
Curve Coefficients

Intercept:	0
Slope:	1.278

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.169834	5.0	136427.0	1.358675	Y
2	IC 410-638082/8	0.25	0.309365	5.0	150922.0	1.23746	Y
3	IC 410-638082/7	1.25	1.479876	5.0	161973.0	1.183901	Y
4	IC 410-638082/6	3.75	4.552141	5.0	154725.0	1.213904	Y
5	IC 410-638082/5	7.5	9.709416	5.0	173065.0	1.294589	Y
6	ICIS 410-638082/2	12.5	16.507026	5.0	187880.0	1.320562	Y
7	IC 410-638082/4	20.0	25.77179	5.0	151777.0	1.28859	Y
8	IC 410-638082/3	30.0	39.895662	5.0	196908.0	1.329855	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

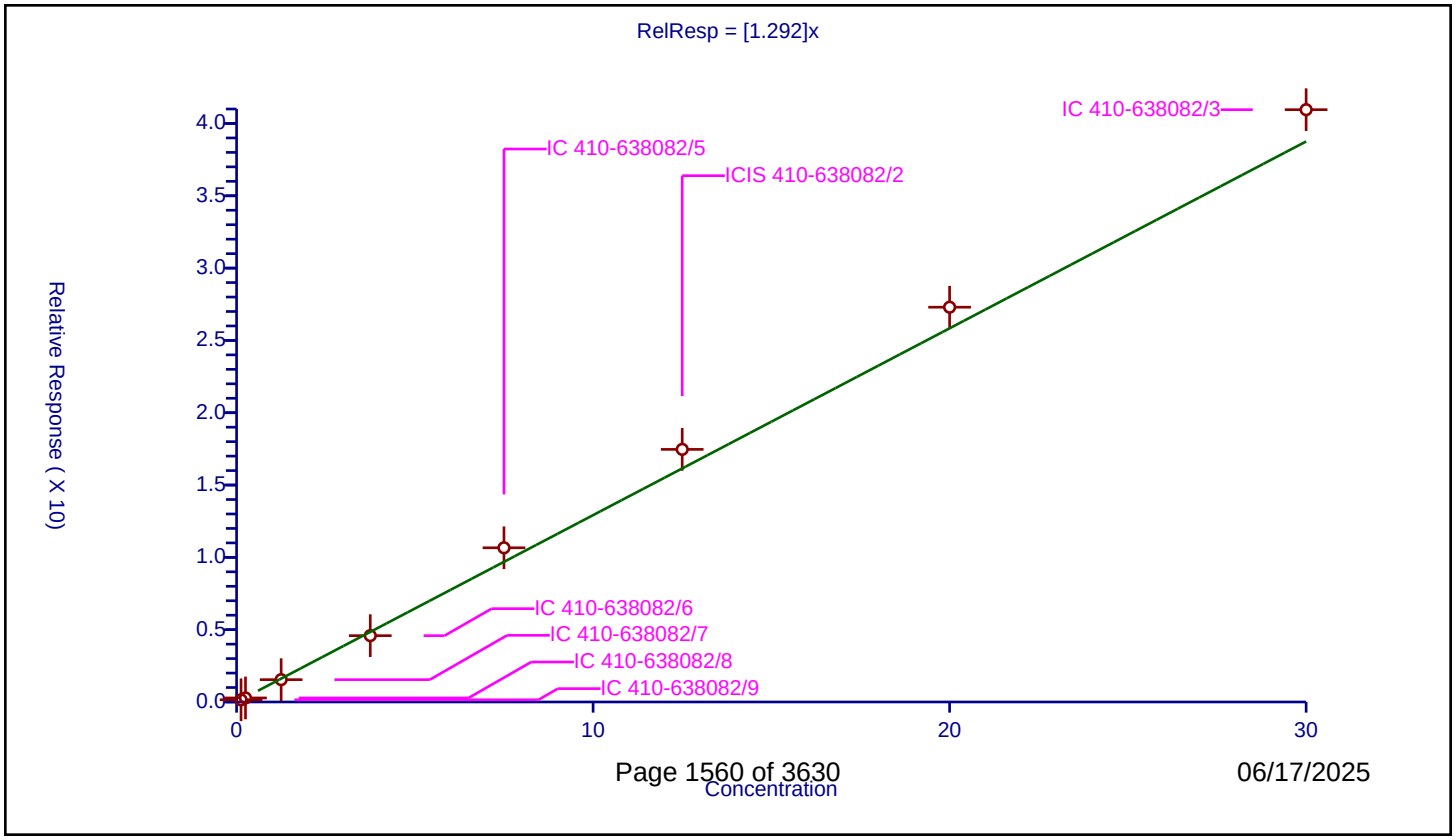
Curve Coefficients

Intercept:	0
Slope:	1.292

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.151546	5.0	136427.0	1.21237	Y
2	IC 410-638082/8	0.25	0.278687	5.0	150922.0	1.114748	Y
3	IC 410-638082/7	1.25	1.544733	5.0	161973.0	1.235786	Y
4	IC 410-638082/6	3.75	4.586815	5.0	154725.0	1.223151	Y
5	IC 410-638082/5	7.5	10.661717	5.0	173065.0	1.421562	Y
6	ICIS 410-638082/2	12.5	17.466202	5.0	187880.0	1.397296	Y
7	IC 410-638082/4	20.0	27.297515	5.0	151777.0	1.364876	Y
8	IC 410-638082/3	30.0	40.954354	5.0	196908.0	1.365145	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

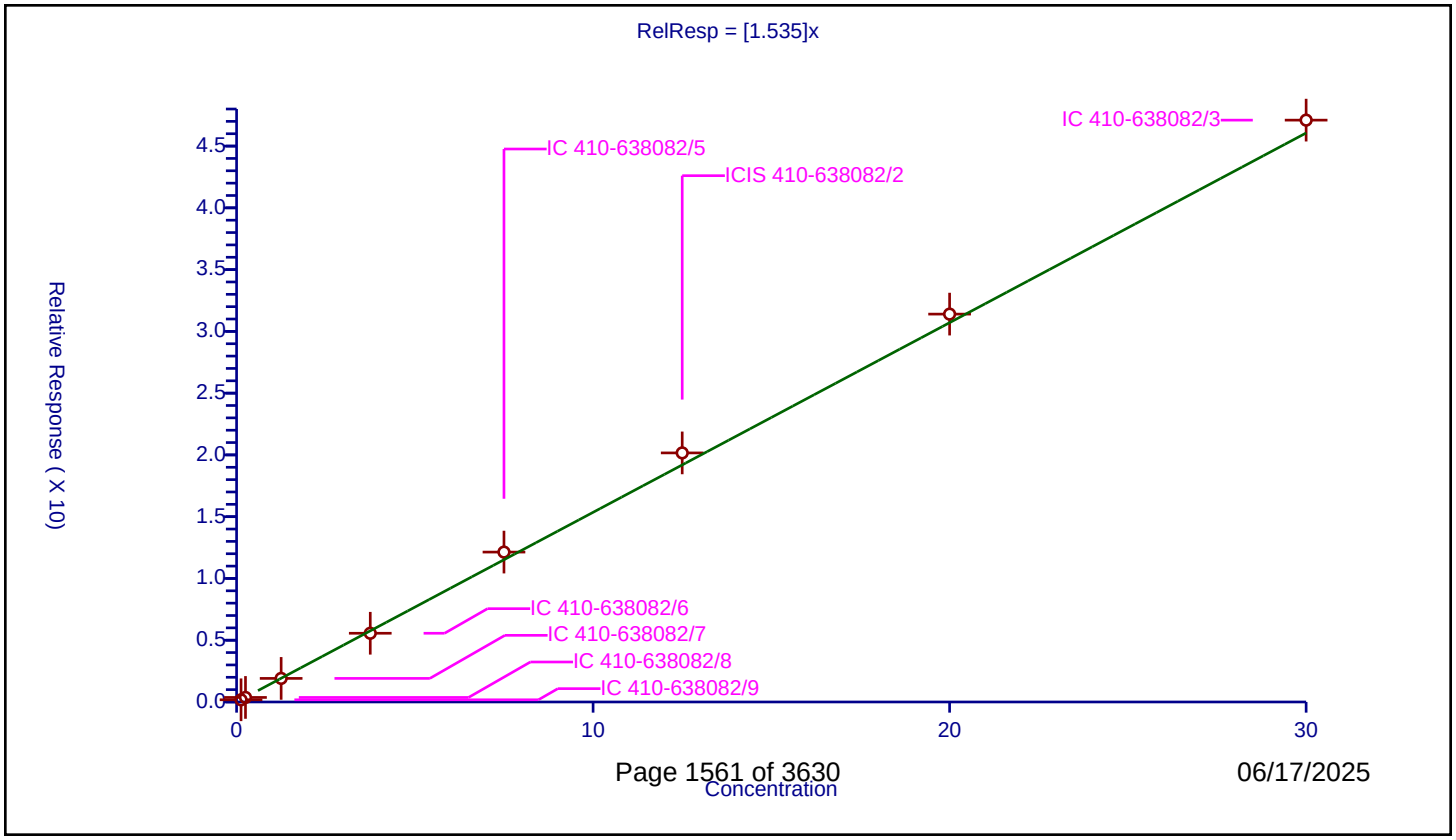
Curve Coefficients

Intercept:	0
Slope:	1.535

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.178997	5.0	136427.0	1.431975	Y
2	IC 410-638082/8	0.25	0.367077	5.0	150922.0	1.468308	Y
3	IC 410-638082/7	1.25	1.909485	5.0	161973.0	1.527588	Y
4	IC 410-638082/6	3.75	5.562999	5.0	154725.0	1.483466	Y
5	IC 410-638082/5	7.5	12.135383	5.0	173065.0	1.618051	Y
6	ICIS 410-638082/2	12.5	20.161619	5.0	187880.0	1.61293	Y
7	IC 410-638082/4	20.0	31.398763	5.0	151777.0	1.569938	Y
8	IC 410-638082/3	30.0	47.100803	5.0	196908.0	1.570027	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

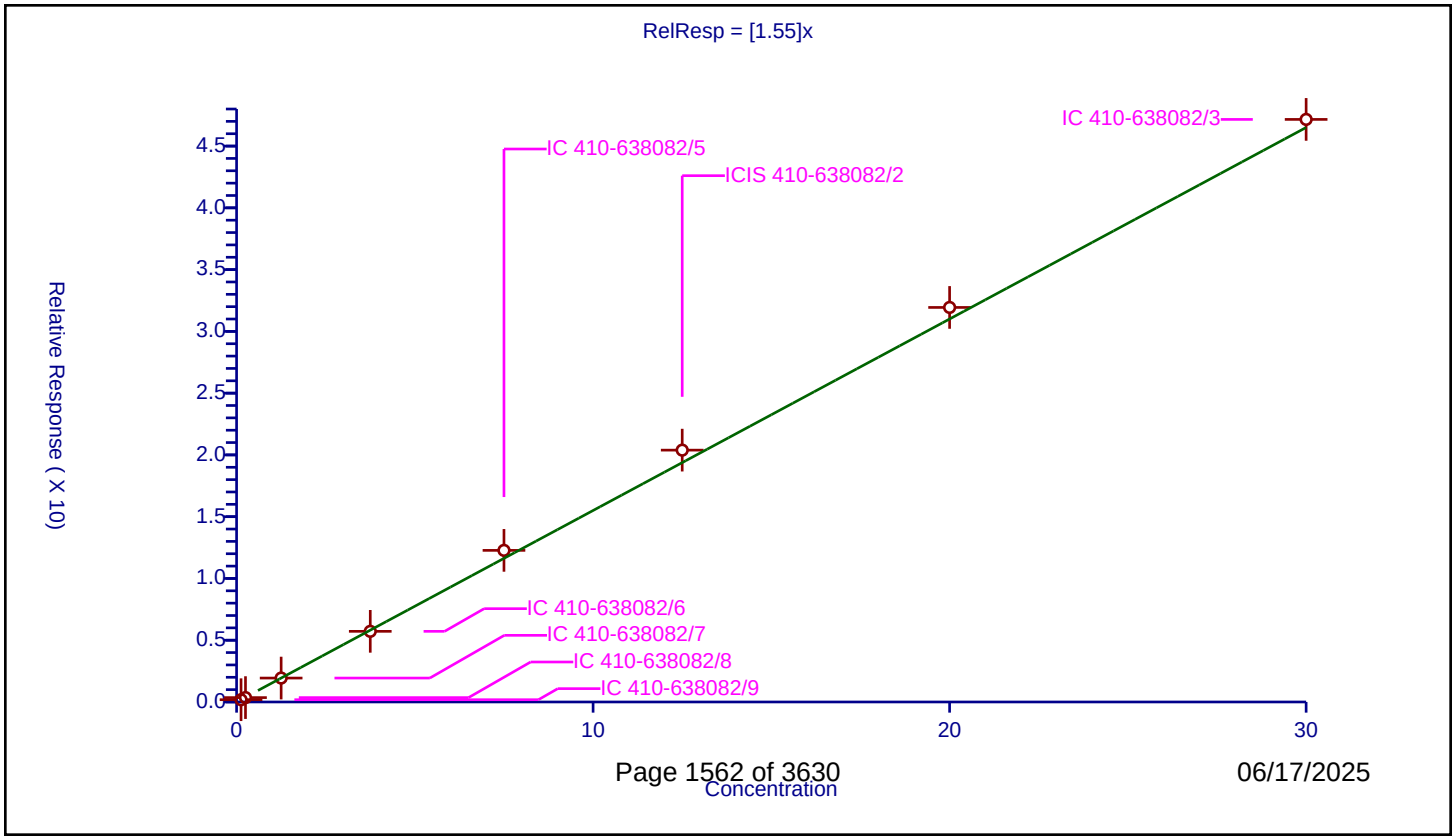
Curve Coefficients

Intercept:	0
Slope:	1.55

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.183505	5.0	136427.0	1.468038	Y
2	IC 410-638082/8	0.25	0.355449	5.0	150922.0	1.421794	Y
3	IC 410-638082/7	1.25	1.937329	5.0	161973.0	1.549863	Y
4	IC 410-638082/6	3.75	5.719244	5.0	154725.0	1.525132	Y
5	IC 410-638082/5	7.5	12.272528	5.0	173065.0	1.636337	Y
6	ICIS 410-638082/2	12.5	20.386603	5.0	187880.0	1.630928	Y
7	IC 410-638082/4	20.0	31.937316	5.0	151777.0	1.596866	Y
8	IC 410-638082/3	30.0	47.157175	5.0	196908.0	1.571906	Y



Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

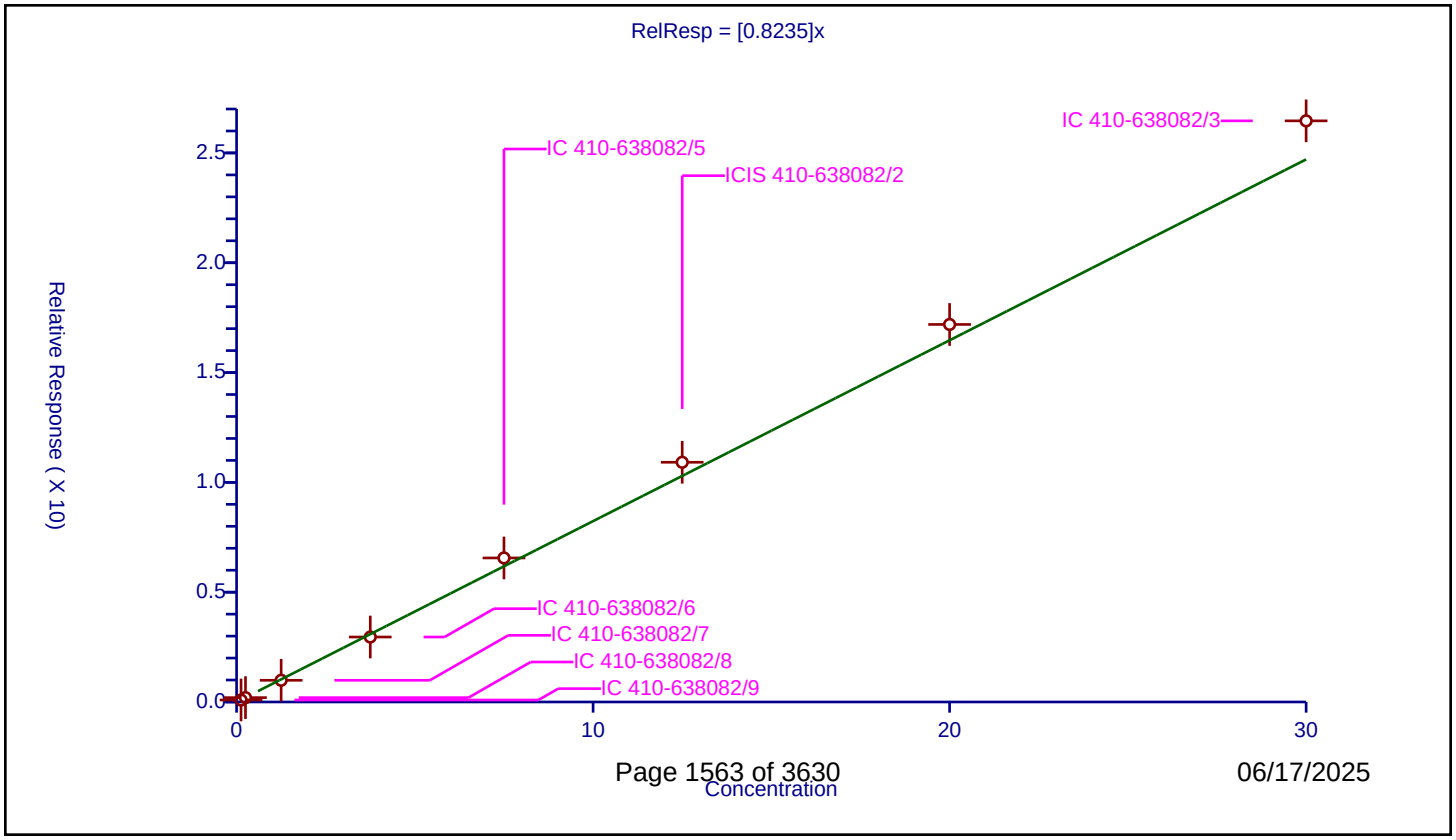
Curve Coefficients

Intercept:	0
Slope:	0.8235

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.090964	5.0	136427.0	0.727715	Y
2	IC 410-638082/8	0.25	0.198116	5.0	150922.0	0.792462	Y
3	IC 410-638082/7	1.25	0.987232	5.0	161973.0	0.789786	Y
4	IC 410-638082/6	3.75	2.958055	5.0	154725.0	0.788815	Y
5	IC 410-638082/5	7.5	6.558316	5.0	173065.0	0.874442	Y
6	ICIS 410-638082/2	12.5	10.914972	5.0	187880.0	0.873198	Y
7	IC 410-638082/4	20.0	17.19022	5.0	151777.0	0.859511	Y
8	IC 410-638082/3	30.0	26.460911	5.0	196908.0	0.88203	Y



06/17/2025

Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

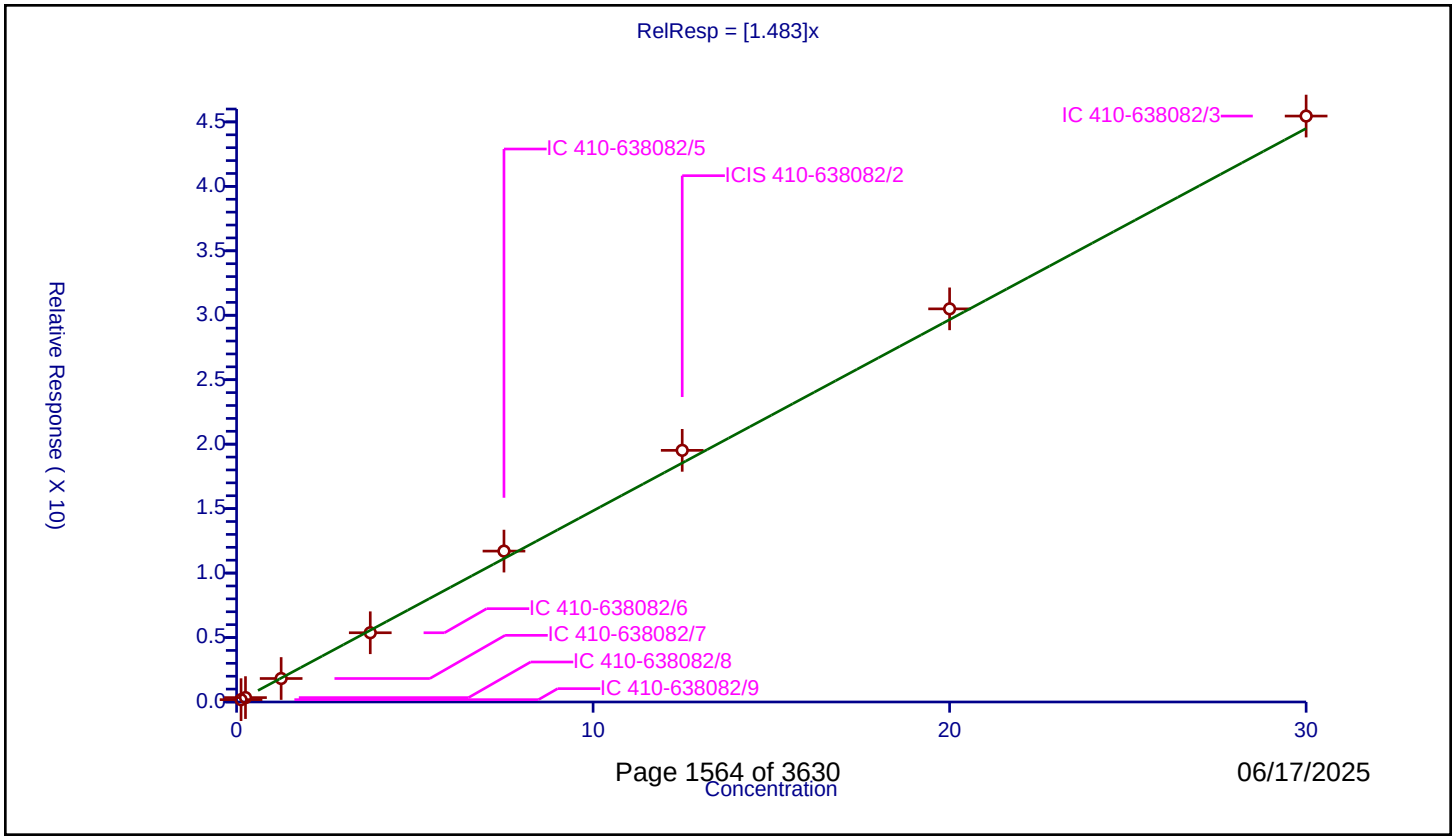
Curve Coefficients

Intercept:	0
Slope:	1.483

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.181123	5.0	136427.0	1.44898	Y
2	IC 410-638082/8	0.25	0.340772	5.0	150922.0	1.363088	Y
3	IC 410-638082/7	1.25	1.822125	5.0	161973.0	1.4577	Y
4	IC 410-638082/6	3.75	5.371401	5.0	154725.0	1.432374	Y
5	IC 410-638082/5	7.5	11.706324	5.0	173065.0	1.560843	Y
6	ICIS 410-638082/2	12.5	19.521689	5.0	187880.0	1.561735	Y
7	IC 410-638082/4	20.0	30.496353	5.0	151777.0	1.524818	Y
8	IC 410-638082/3	30.0	45.453207	5.0	196908.0	1.515107	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

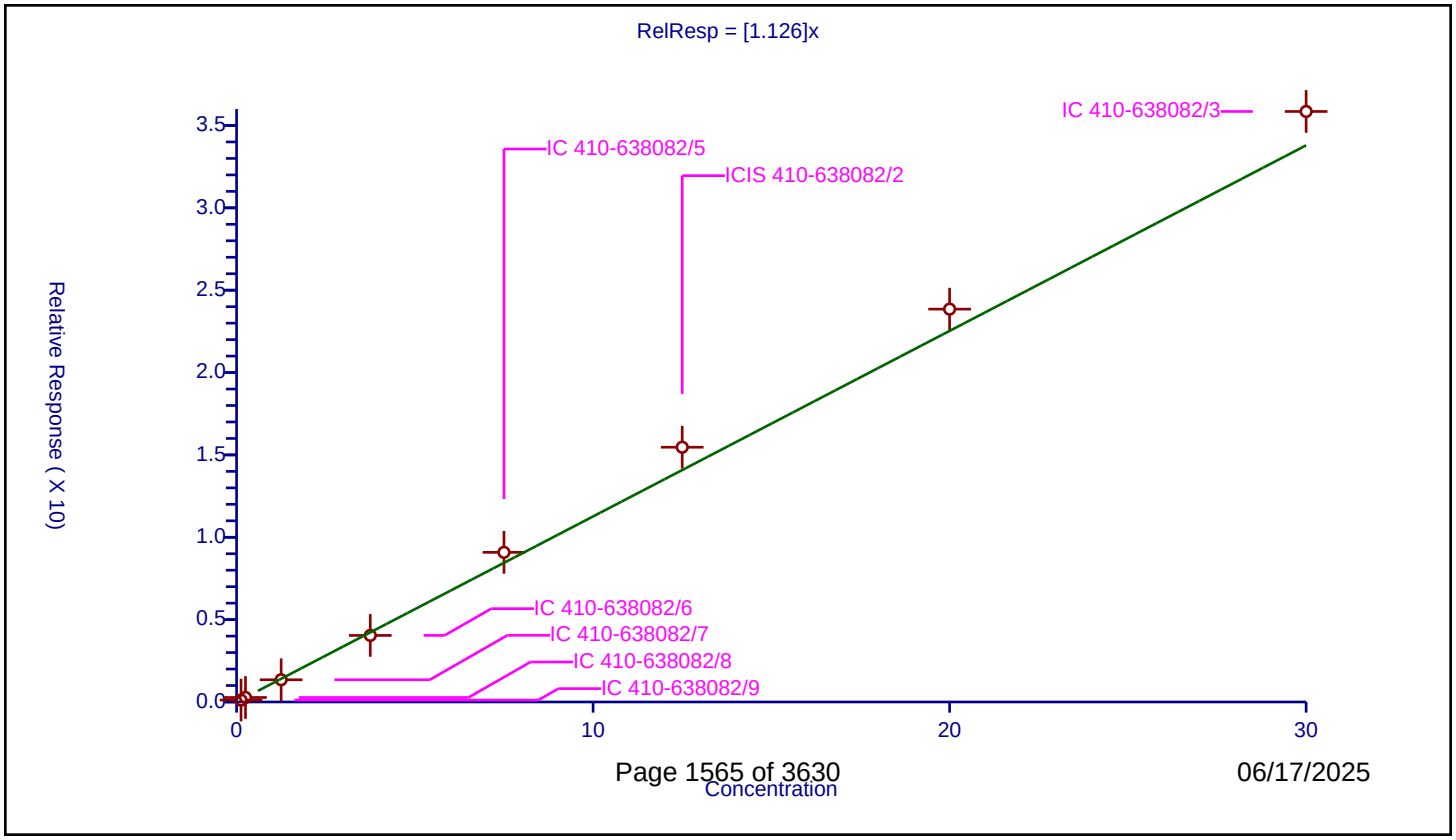
Curve Coefficients

Intercept:	0
Slope:	1.126

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.116106	5.0	136427.0	0.928848	Y
2	IC 410-638082/8	0.25	0.272293	5.0	150922.0	1.089172	Y
3	IC 410-638082/7	1.25	1.349484	5.0	161973.0	1.079587	Y
4	IC 410-638082/6	3.75	4.04243	5.0	154725.0	1.077981	Y
5	IC 410-638082/5	7.5	9.084708	5.0	173065.0	1.211294	Y
6	ICIS 410-638082/2	12.5	15.46724	5.0	187880.0	1.237379	Y
7	IC 410-638082/4	20.0	23.851703	5.0	151777.0	1.192585	Y
8	IC 410-638082/3	30.0	35.8506	5.0	196908.0	1.19502	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

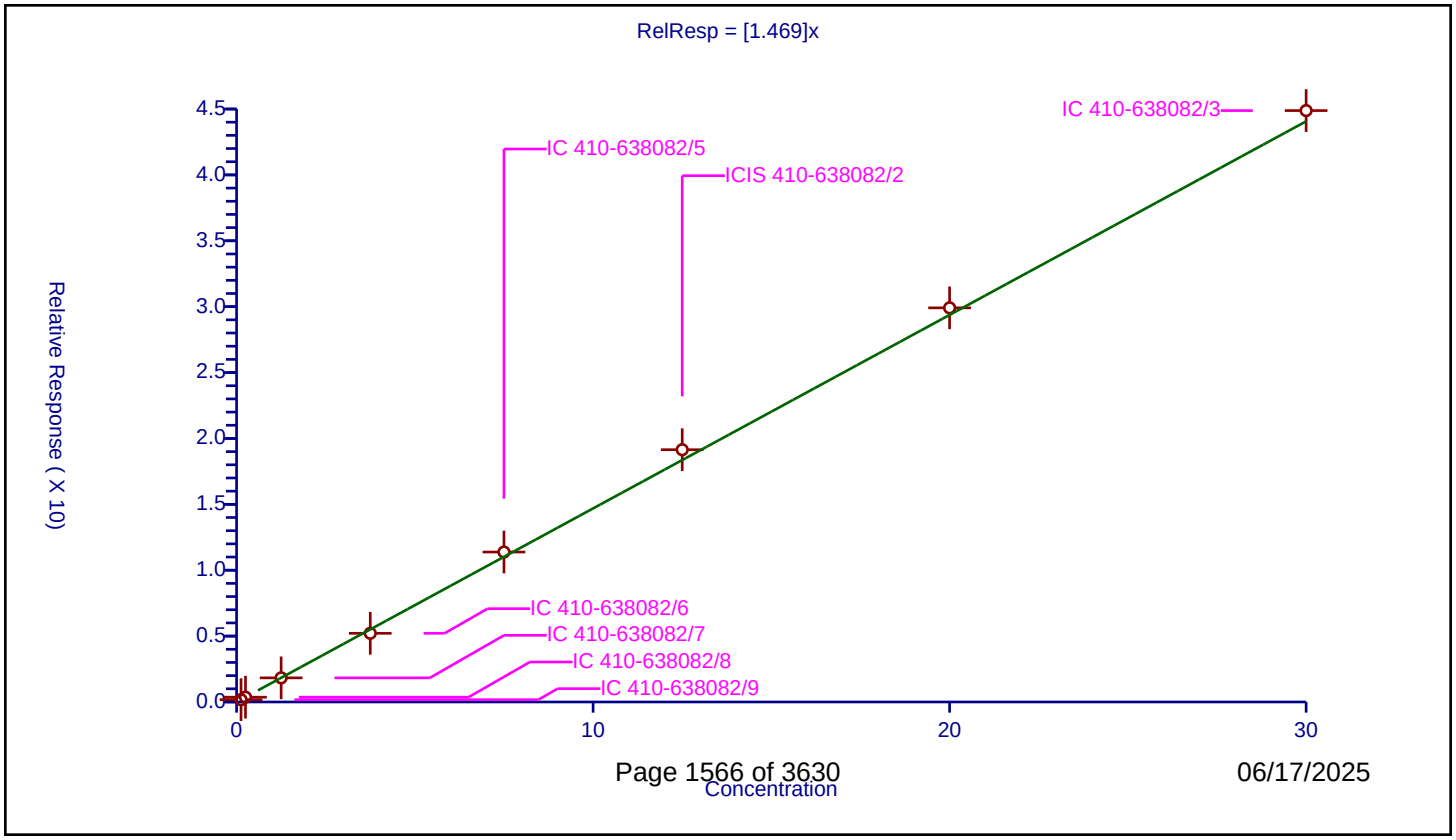
Curve Coefficients

Intercept:	0
Slope:	1.469

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.174599	5.0	136427.0	1.396791	Y
2	IC 410-638082/8	0.25	0.364493	5.0	150922.0	1.457972	Y
3	IC 410-638082/7	1.25	1.831077	5.0	161973.0	1.464861	Y
4	IC 410-638082/6	3.75	5.212409	5.0	154725.0	1.389976	Y
5	IC 410-638082/5	7.5	11.379713	5.0	173065.0	1.517295	Y
6	ICIS 410-638082/2	12.5	19.145226	5.0	187880.0	1.531618	Y
7	IC 410-638082/4	20.0	29.911811	5.0	151777.0	1.495591	Y
8	IC 410-638082/3	30.0	44.881417	5.0	196908.0	1.496047	Y



Calibration / N-Nitrosopyrrolidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

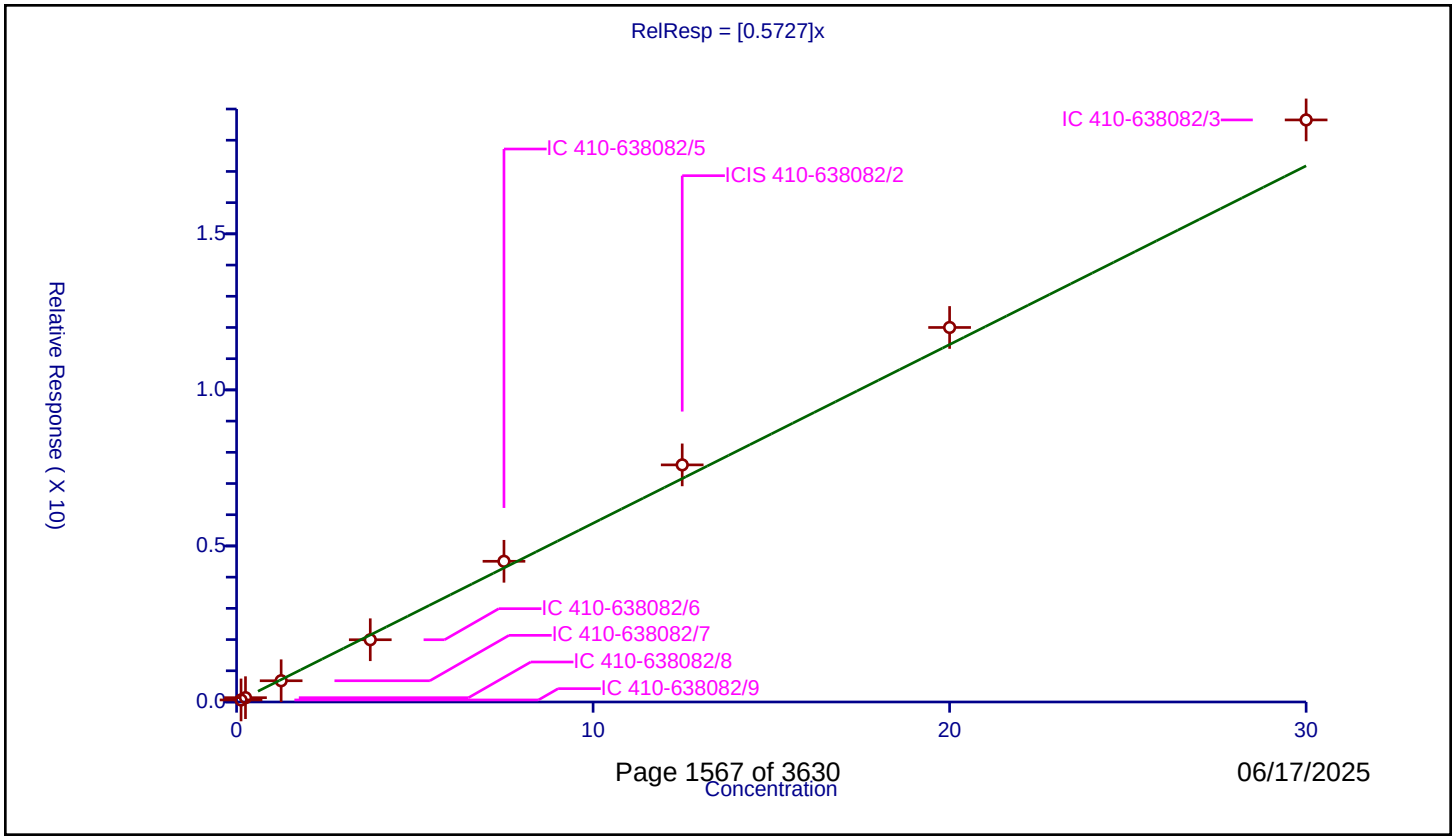
Curve Coefficients

Intercept:	0
Slope:	0.5727

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.065383	5.0	136427.0	0.523064	Y
2	IC 410-638082/8	0.25	0.137753	5.0	150922.0	0.551013	Y
3	IC 410-638082/7	1.25	0.680762	5.0	161973.0	0.544609	Y
4	IC 410-638082/6	3.75	1.994894	5.0	154725.0	0.531972	Y
5	IC 410-638082/5	7.5	4.508104	5.0	173065.0	0.601081	Y
6	ICIS 410-638082/2	12.5	7.59727	5.0	187880.0	0.607782	Y
7	IC 410-638082/4	20.0	11.999908	5.0	151777.0	0.599995	Y
8	IC 410-638082/3	30.0	18.650588	5.0	196908.0	0.621686	Y



Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

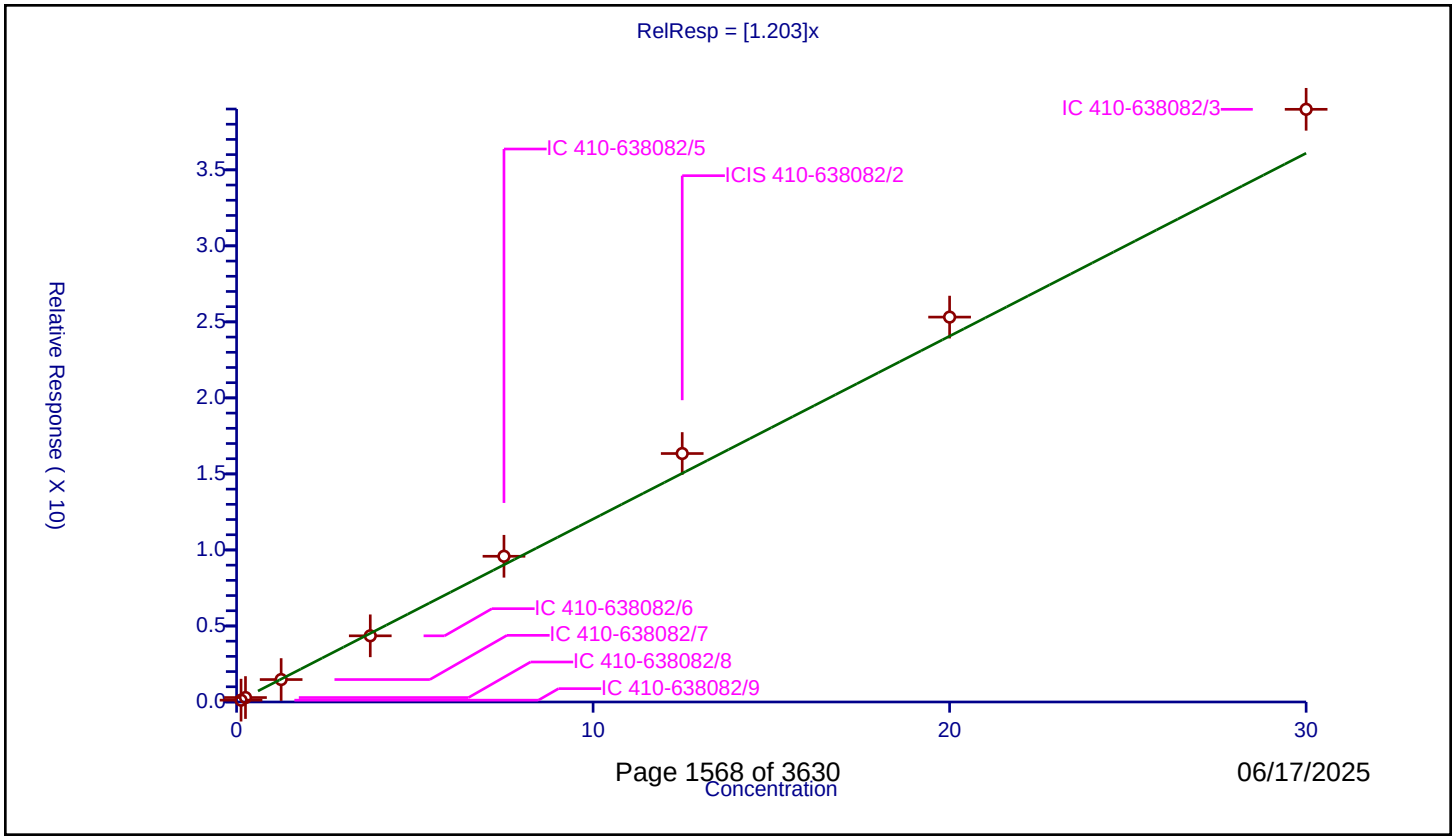
Curve Coefficients

Intercept:	0
Slope:	1.203

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.120871	5.0	136427.0	0.966964	Y
2	IC 410-638082/8	0.25	0.291641	5.0	150922.0	1.166563	Y
3	IC 410-638082/7	1.25	1.475215	5.0	161973.0	1.180172	Y
4	IC 410-638082/6	3.75	4.352981	5.0	154725.0	1.160795	Y
5	IC 410-638082/5	7.5	9.584751	5.0	173065.0	1.277967	Y
6	ICIS 410-638082/2	12.5	16.341947	5.0	187880.0	1.307356	Y
7	IC 410-638082/4	20.0	25.313882	5.0	151777.0	1.265694	Y
8	IC 410-638082/3	30.0	38.980361	5.0	196908.0	1.299345	Y



Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

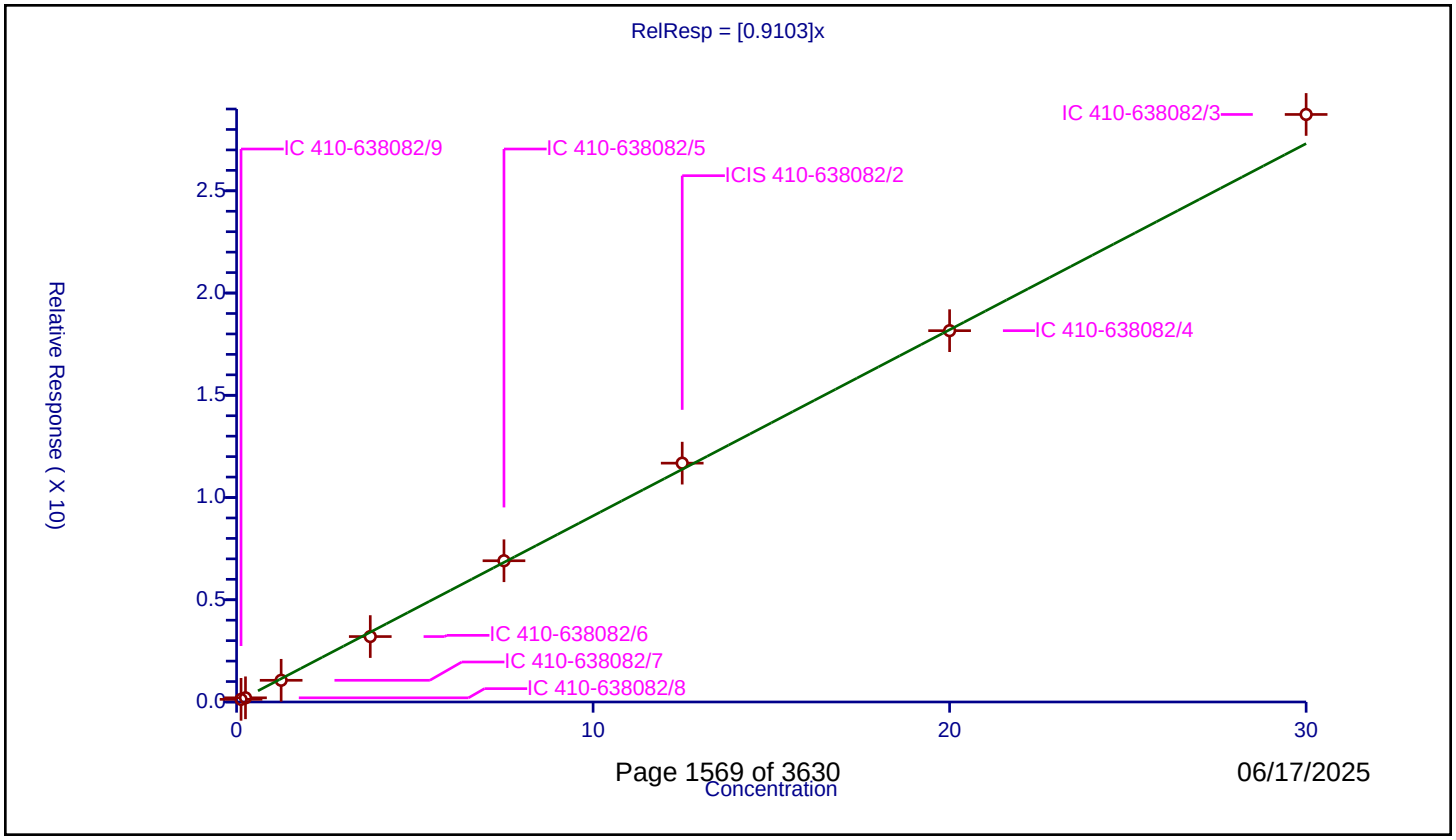
Curve Coefficients

Intercept:	0
Slope:	0.9103

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.13007	5.0	136427.0	1.040556	Y
2	IC 410-638082/8	0.25	0.204642	5.0	150922.0	0.818569	Y
3	IC 410-638082/7	1.25	1.06064	5.0	161973.0	0.848512	Y
4	IC 410-638082/6	3.75	3.200065	5.0	154725.0	0.853351	Y
5	IC 410-638082/5	7.5	6.907145	5.0	173065.0	0.920953	Y
6	ICIS 410-638082/2	12.5	11.680381	5.0	187880.0	0.93443	Y
7	IC 410-638082/4	20.0	18.159504	5.0	151777.0	0.907975	Y
8	IC 410-638082/3	30.0	28.734231	5.0	196908.0	0.957808	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

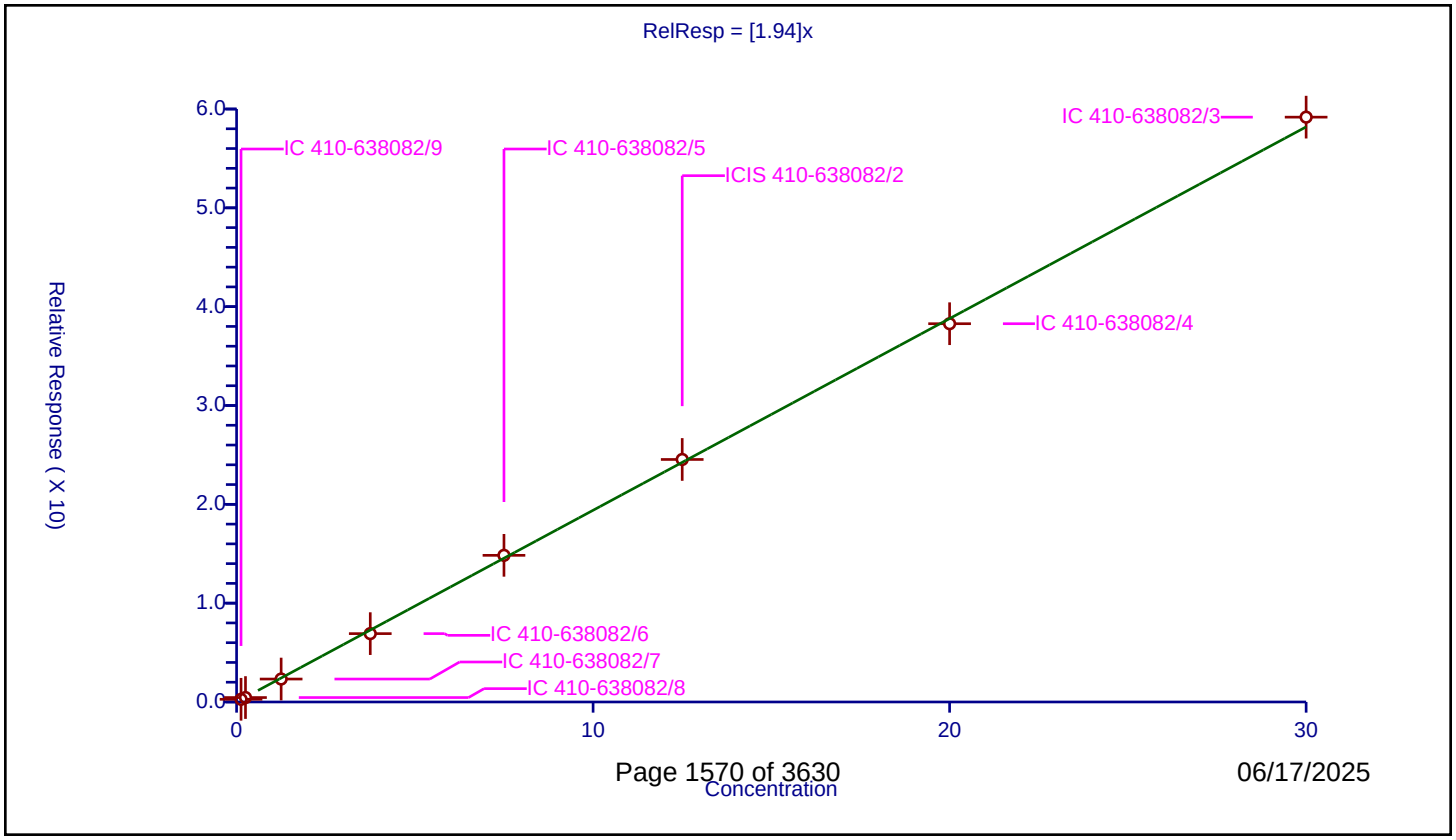
Curve Coefficients

Intercept:	0
Slope:	1.94

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.274396	5.0	136427.0	2.195167	Y
2	IC 410-638082/8	0.25	0.448212	5.0	150922.0	1.792847	Y
3	IC 410-638082/7	1.25	2.322177	5.0	161973.0	1.857742	Y
4	IC 410-638082/6	3.75	6.915721	5.0	154725.0	1.844192	Y
5	IC 410-638082/5	7.5	14.8385	5.0	173065.0	1.978467	Y
6	ICIS 410-638082/2	12.5	24.540026	5.0	187880.0	1.963202	Y
7	IC 410-638082/4	20.0	38.27744	5.0	151777.0	1.913872	Y
8	IC 410-638082/3	30.0	59.177027	5.0	196908.0	1.972568	Y



Calibration / N-Nitrosomorpholine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

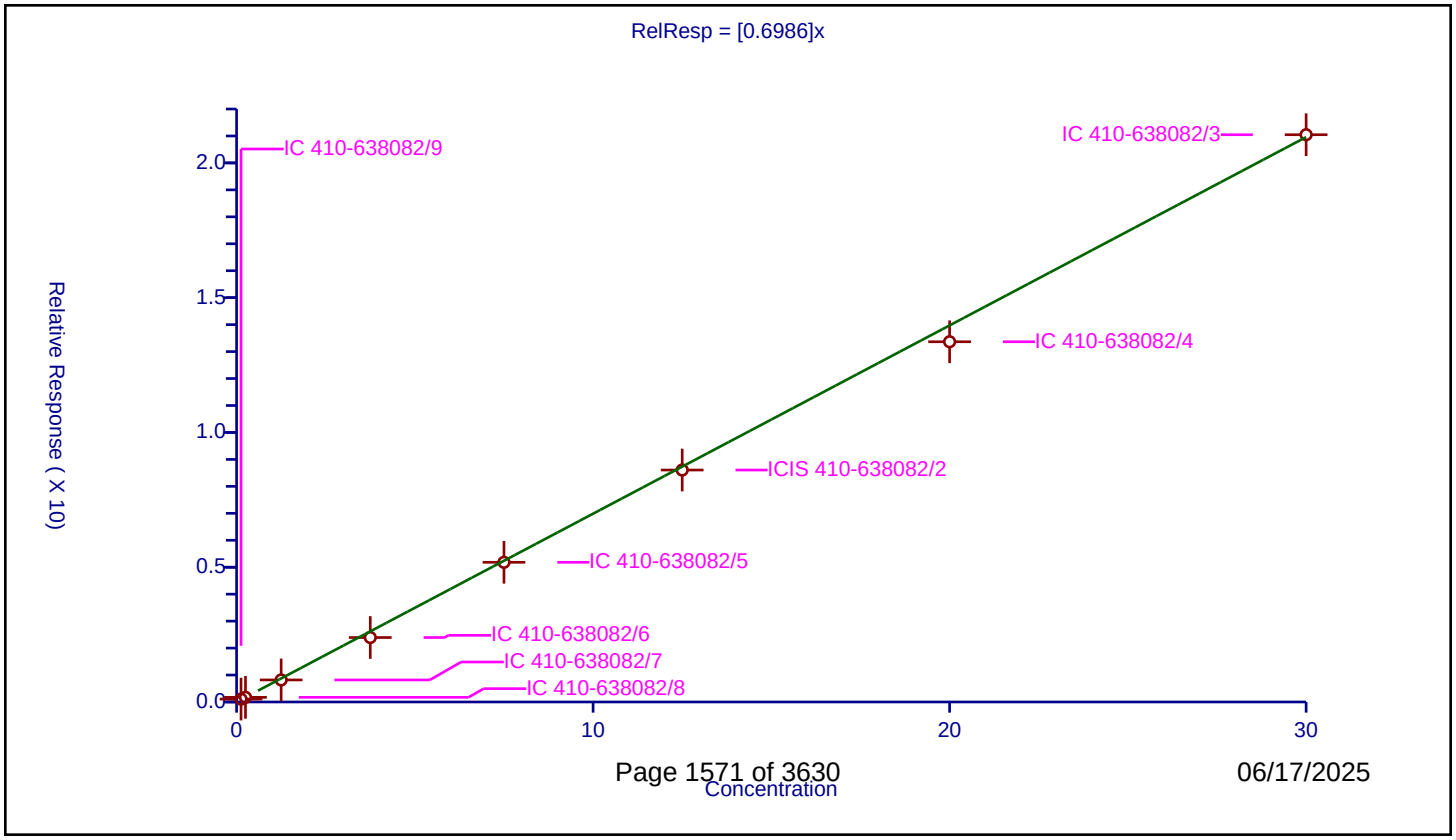
Curve Coefficients

Intercept:	0
Slope:	0.6986

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.107017	5.0	136427.0	0.856136	Y
2	IC 410-638082/8	0.25	0.172771	5.0	150922.0	0.691085	Y
3	IC 410-638082/7	1.25	0.818161	5.0	161973.0	0.654529	Y
4	IC 410-638082/6	3.75	2.391436	5.0	154725.0	0.637716	Y
5	IC 410-638082/5	7.5	5.182359	5.0	173065.0	0.690981	Y
6	ICIS 410-638082/2	12.5	8.605679	5.0	187880.0	0.688454	Y
7	IC 410-638082/4	20.0	13.365068	5.0	151777.0	0.668253	Y
8	IC 410-638082/3	30.0	21.046326	5.0	196908.0	0.701544	Y



Calibration / 2-Toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

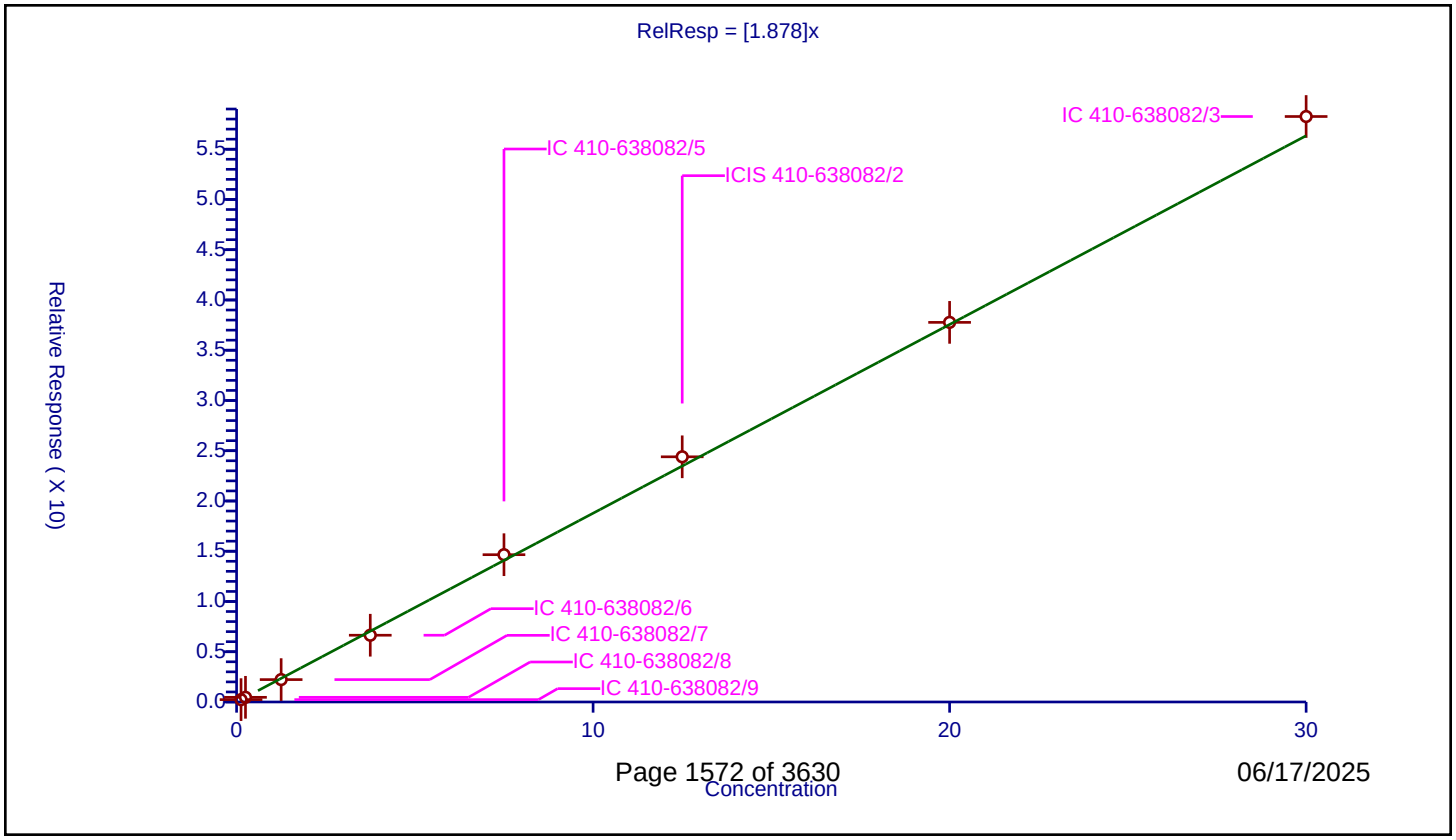
Curve Coefficients

Intercept:	0
Slope:	1.878

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.234631	5.0	136427.0	1.877048	Y
2	IC 410-638082/8	0.25	0.464346	5.0	150922.0	1.857383	Y
3	IC 410-638082/7	1.25	2.228211	5.0	161973.0	1.782569	Y
4	IC 410-638082/6	3.75	6.642753	5.0	154725.0	1.771401	Y
5	IC 410-638082/5	7.5	14.656285	5.0	173065.0	1.954171	Y
6	ICIS 410-638082/2	12.5	24.395172	5.0	187880.0	1.951614	Y
7	IC 410-638082/4	20.0	37.771533	5.0	151777.0	1.888577	Y
8	IC 410-638082/3	30.0	58.254566	5.0	196908.0	1.941819	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

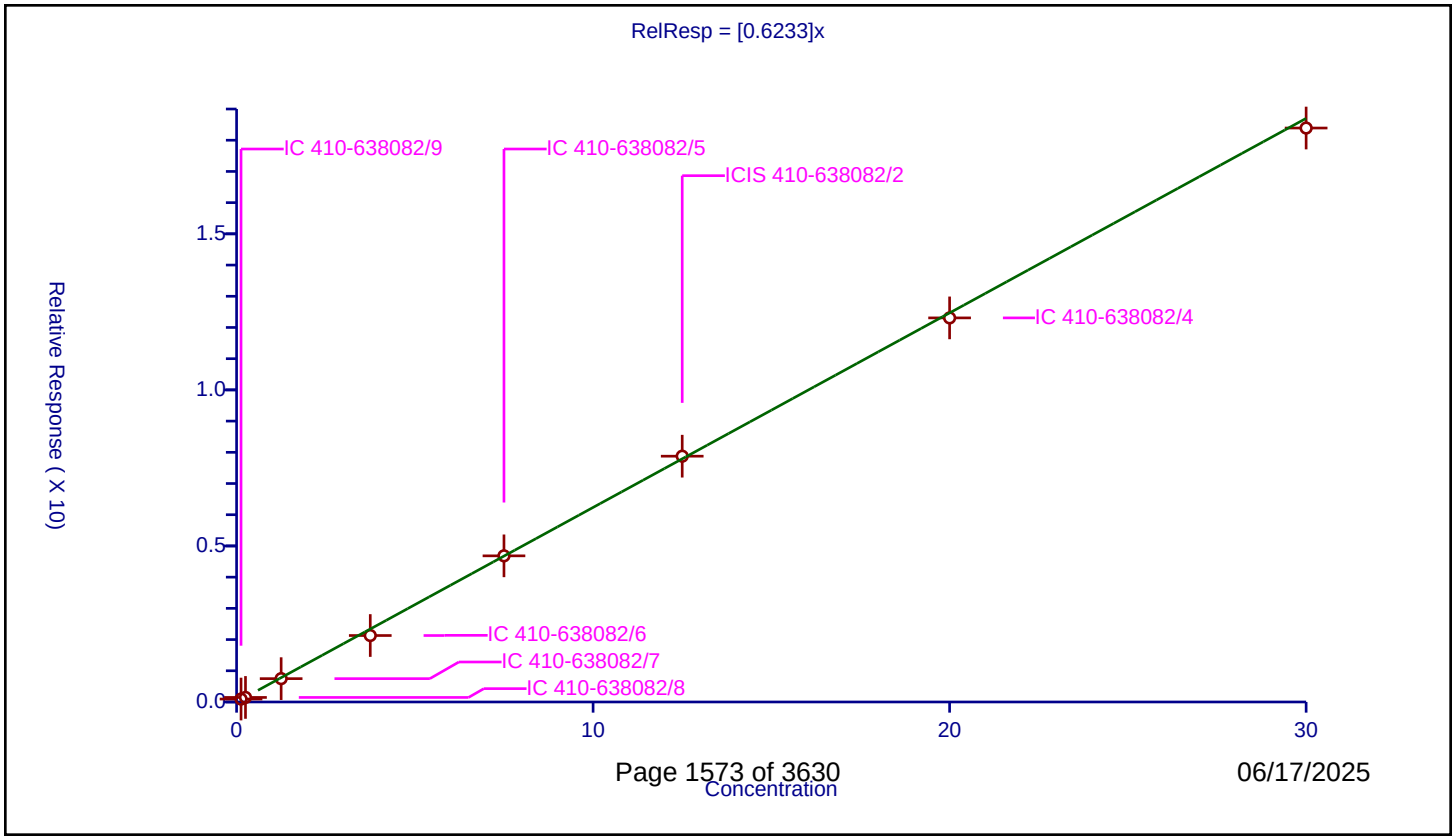
Curve Coefficients

Intercept:	0
Slope:	0.6233

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.09419	5.0	136427.0	0.753517	Y
2	IC 410-638082/8	0.25	0.146036	5.0	150922.0	0.584143	Y
3	IC 410-638082/7	1.25	0.747841	5.0	161973.0	0.598273	Y
4	IC 410-638082/6	3.75	2.129552	5.0	154725.0	0.567881	Y
5	IC 410-638082/5	7.5	4.682894	5.0	173065.0	0.624386	Y
6	ICIS 410-638082/2	12.5	7.875798	5.0	187880.0	0.630064	Y
7	IC 410-638082/4	20.0	12.307036	5.0	151777.0	0.615352	Y
8	IC 410-638082/3	30.0	18.390721	5.0	196908.0	0.613024	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

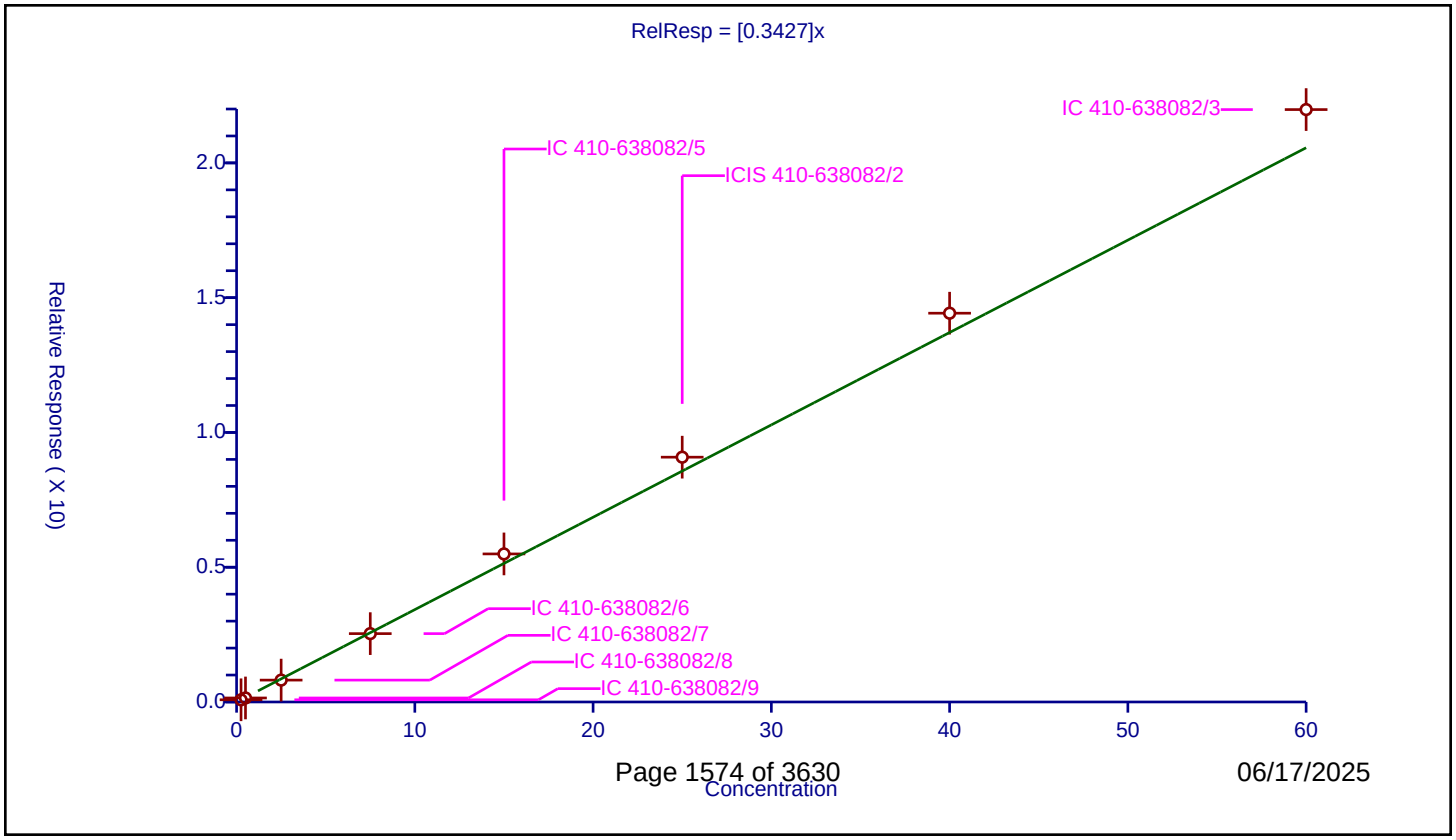
Curve Coefficients

Intercept:	0
Slope:	0.3427

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.25	0.081373	5.0	510059.0	0.325492	Y
2	IC 410-638082/8	0.5	0.148461	5.0	575472.0	0.296921	Y
3	IC 410-638082/7	2.5	0.811445	5.0	633327.0	0.324578	Y
4	IC 410-638082/6	7.5	2.536427	5.0	586240.0	0.33819	Y
5	IC 410-638082/5	15.0	5.493284	5.0	667405.0	0.366219	Y
6	ICIS 410-638082/2	25.0	9.082635	5.0	731775.0	0.363305	Y
7	IC 410-638082/4	40.0	14.424884	5.0	582674.0	0.360622	Y
8	IC 410-638082/3	60.0	21.979514	5.0	765731.0	0.366325	Y



Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

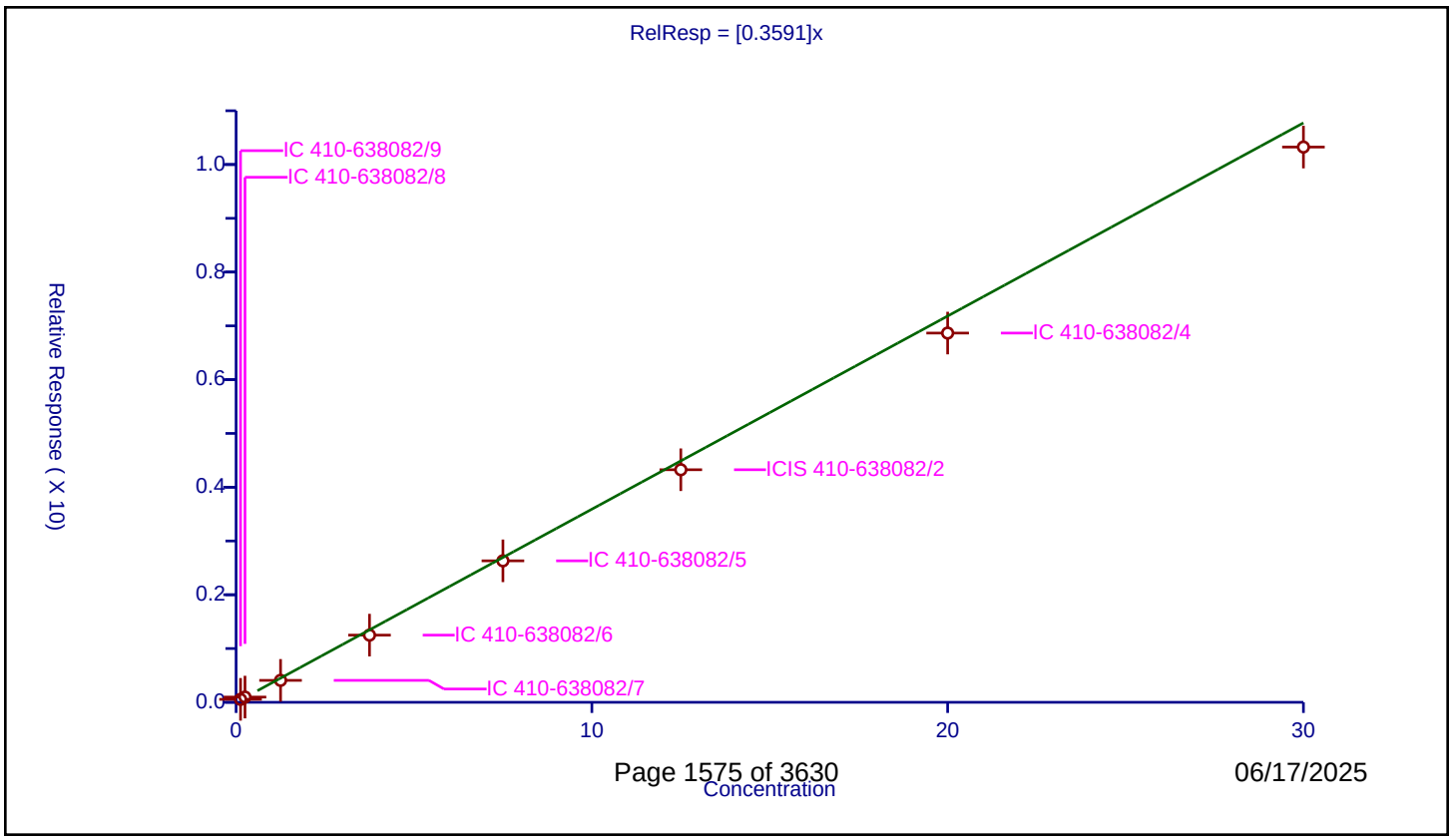
Curve Coefficients

Intercept:	0
Slope:	0.3591

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.054964	5.0	510059.0	0.439714	Y
2	IC 410-638082/8	0.25	0.097416	5.0	575472.0	0.389663	Y
3	IC 410-638082/7	1.25	0.407712	5.0	633327.0	0.32617	Y
4	IC 410-638082/6	3.75	1.249454	5.0	586240.0	0.333188	Y
5	IC 410-638082/5	7.5	2.631011	5.0	667405.0	0.350801	Y
6	ICIS 410-638082/2	12.5	4.324724	5.0	731775.0	0.345978	Y
7	IC 410-638082/4	20.0	6.866181	5.0	582674.0	0.343309	Y
8	IC 410-638082/3	30.0	10.324964	5.0	765731.0	0.344165	Y



Calibration / N-Nitrosopiperidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

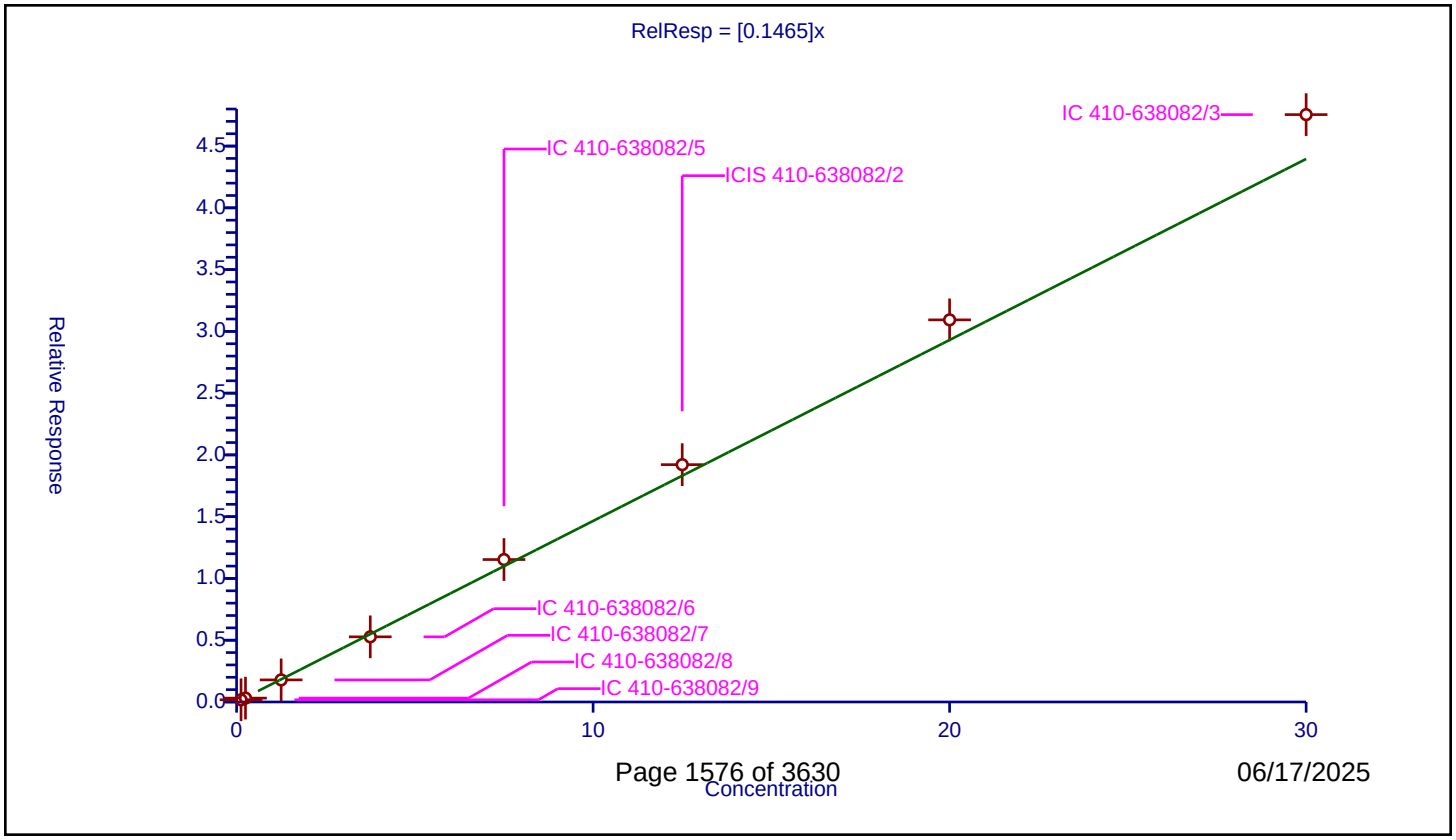
Curve Coefficients

Intercept:	0
Slope:	0.1465

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.017743	5.0	510059.0	0.141944	Y
2	IC 410-638082/8	0.25	0.031461	5.0	575472.0	0.125845	Y
3	IC 410-638082/7	1.25	0.178897	5.0	633327.0	0.143117	Y
4	IC 410-638082/6	3.75	0.527557	5.0	586240.0	0.140682	Y
5	IC 410-638082/5	7.5	1.153108	5.0	667405.0	0.153748	Y
6	ICIS 410-638082/2	12.5	1.921164	5.0	731775.0	0.153693	Y
7	IC 410-638082/4	20.0	3.09311	5.0	582674.0	0.154656	Y
8	IC 410-638082/3	30.0	4.754653	5.0	765731.0	0.158488	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

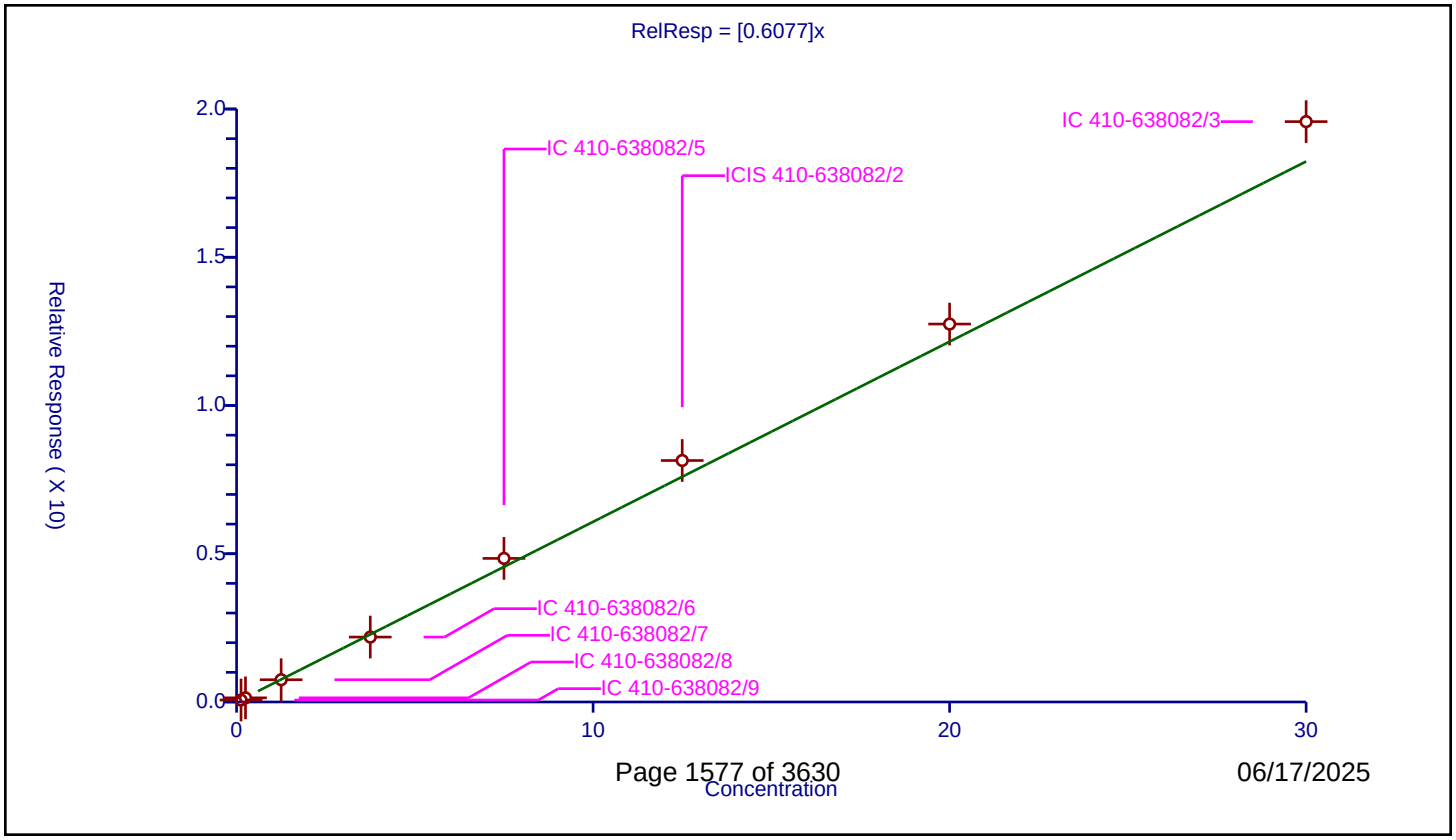
Curve Coefficients

Intercept:	0
Slope:	0.6077

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.066512	5.0	510059.0	0.532095	Y
2	IC 410-638082/8	0.25	0.139494	5.0	575472.0	0.557977	Y
3	IC 410-638082/7	1.25	0.750505	5.0	633327.0	0.600404	Y
4	IC 410-638082/6	3.75	2.189982	5.0	586240.0	0.583995	Y
5	IC 410-638082/5	7.5	4.842614	5.0	667405.0	0.645682	Y
6	ICIS 410-638082/2	12.5	8.144894	5.0	731775.0	0.651592	Y
7	IC 410-638082/4	20.0	12.747059	5.0	582674.0	0.637353	Y
8	IC 410-638082/3	30.0	19.574178	5.0	765731.0	0.652473	Y



Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

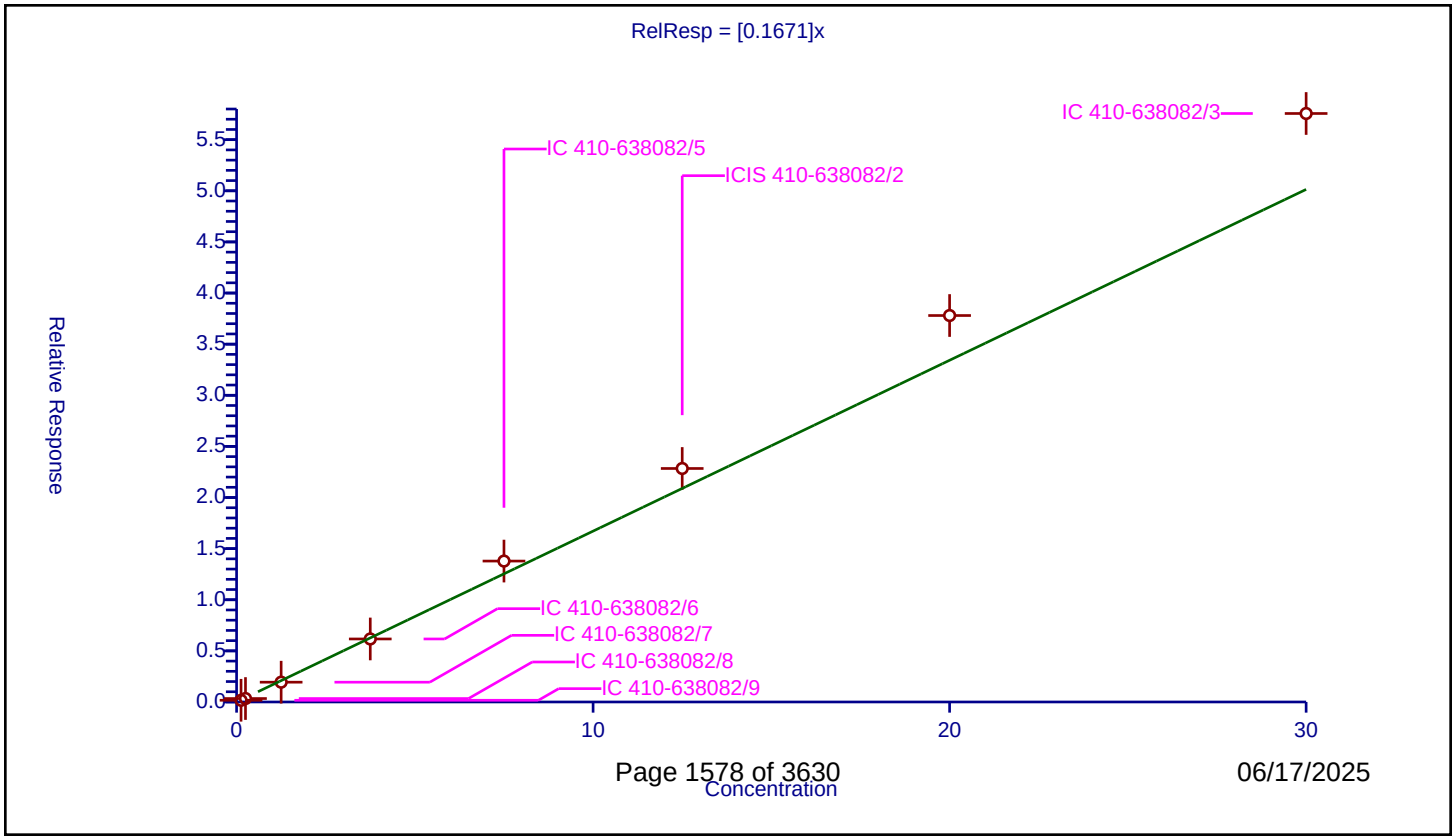
Curve Coefficients

Intercept:	0
Slope:	0.1671

Error Coefficients

Relative Standard Deviation:	14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.016831	5.0	510059.0	0.134651	Y
2	IC 410-638082/8	0.25	0.033877	5.0	575472.0	0.135506	Y
3	IC 410-638082/7	1.25	0.193794	5.0	633327.0	0.155035	Y
4	IC 410-638082/6	3.75	0.616411	5.0	586240.0	0.164376	Y
5	IC 410-638082/5	7.5	1.378271	5.0	667405.0	0.183769	Y
6	ICIS 410-638082/2	12.5	2.284008	5.0	731775.0	0.182721	Y
7	IC 410-638082/4	20.0	3.78021	5.0	582674.0	0.18901	Y
8	IC 410-638082/3	30.0	5.756219	5.0	765731.0	0.191874	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

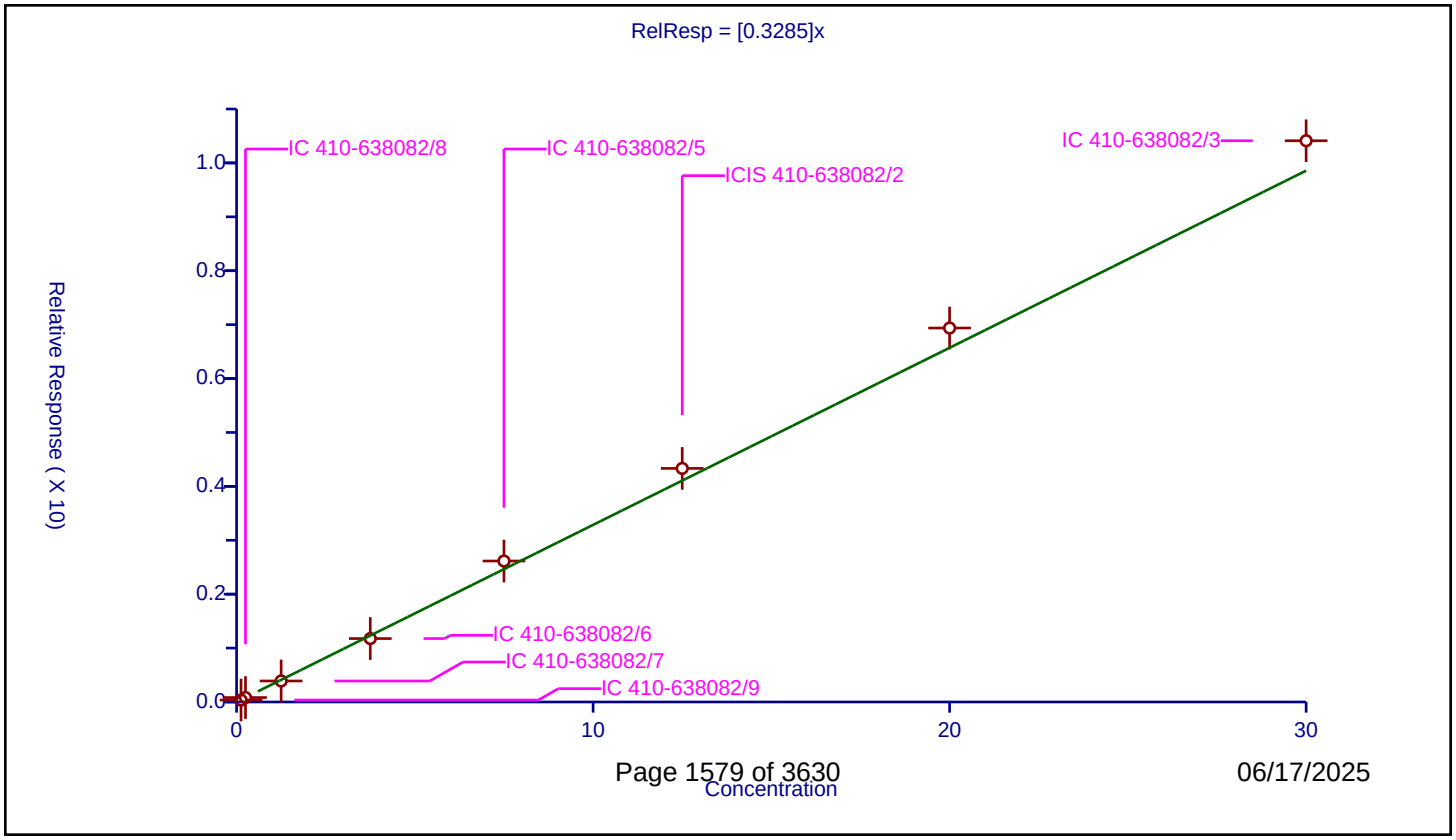
Curve Coefficients

Intercept:	0
Slope:	0.3285

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.035653	5.0	510059.0	0.285222	Y
2	IC 410-638082/8	0.25	0.082167	5.0	575472.0	0.328669	Y
3	IC 410-638082/7	1.25	0.389404	5.0	633327.0	0.311523	Y
4	IC 410-638082/6	3.75	1.17637	5.0	586240.0	0.313699	Y
5	IC 410-638082/5	7.5	2.614919	5.0	667405.0	0.348656	Y
6	ICIS 410-638082/2	12.5	4.333081	5.0	731775.0	0.346646	Y
7	IC 410-638082/4	20.0	6.937018	5.0	582674.0	0.346851	Y
8	IC 410-638082/3	30.0	10.411117	5.0	765731.0	0.347037	Y



Calibration / o,o',o''-Triethylphosphorothioate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

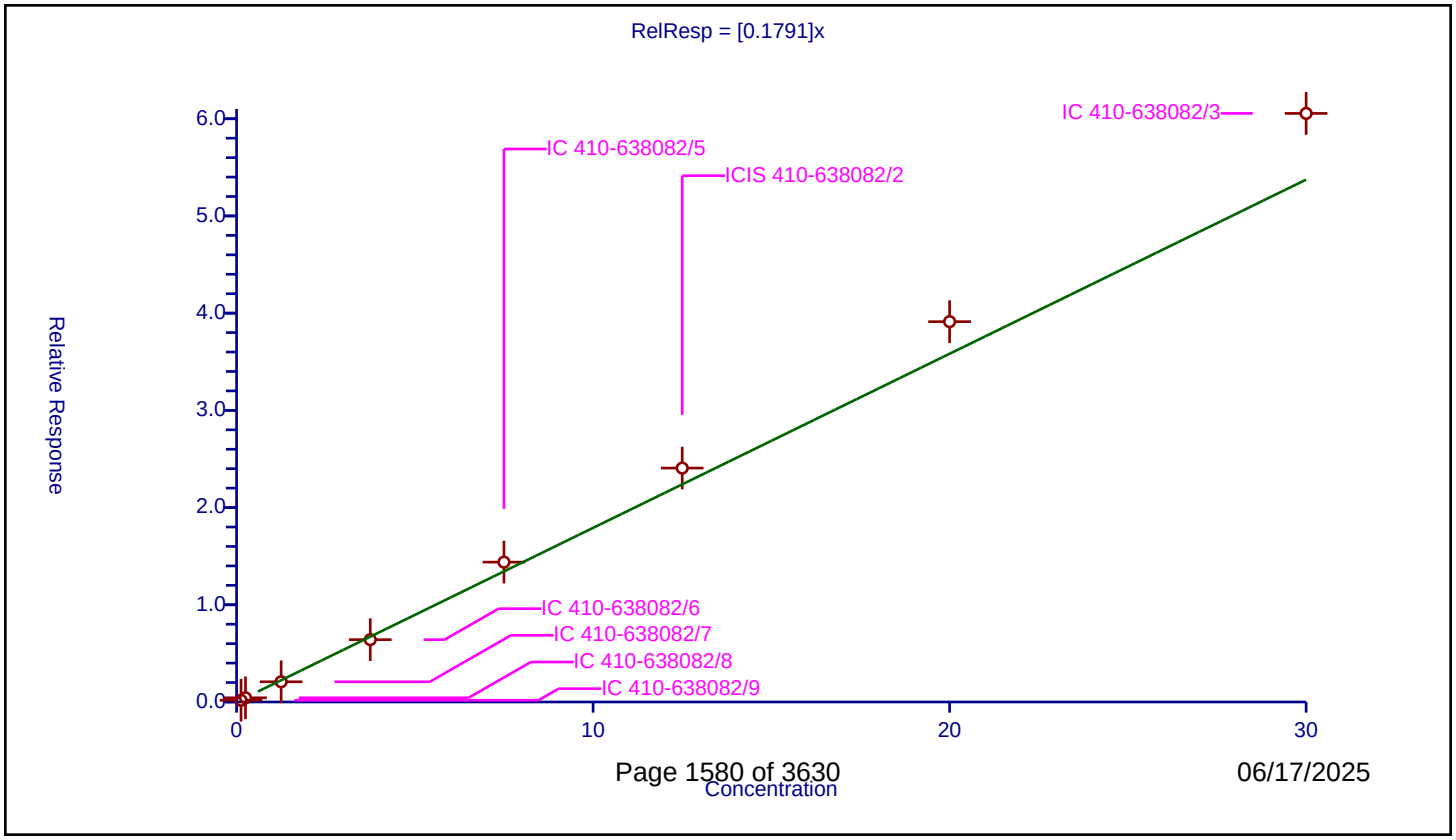
Curve Coefficients

Intercept:	0
Slope:	0.1791

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.017645	5.0	510059.0	0.14116	Y
2	IC 410-638082/8	0.25	0.043182	5.0	575472.0	0.172728	Y
3	IC 410-638082/7	1.25	0.207815	5.0	633327.0	0.166252	Y
4	IC 410-638082/6	3.75	0.641273	5.0	586240.0	0.171006	Y
5	IC 410-638082/5	7.5	1.438699	5.0	667405.0	0.191827	Y
6	ICIS 410-638082/2	12.5	2.406102	5.0	731775.0	0.192488	Y
7	IC 410-638082/4	20.0	3.91266	5.0	582674.0	0.195633	Y
8	IC 410-638082/3	30.0	6.05462	5.0	765731.0	0.201821	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

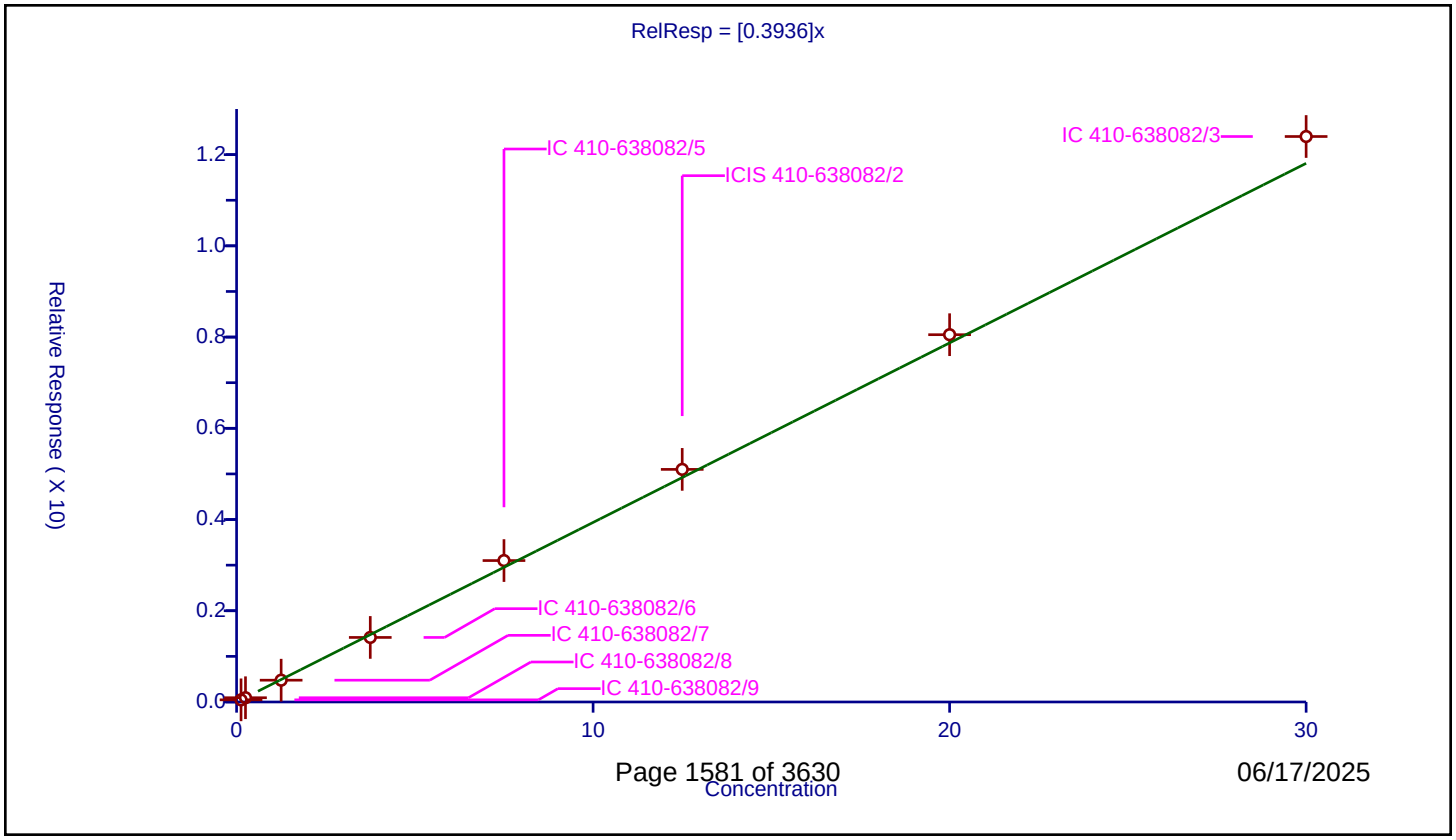
Curve Coefficients

Intercept:	0
Slope:	0.3936

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.047318	5.0	510059.0	0.378544	Y
2	IC 410-638082/8	0.25	0.093445	5.0	575472.0	0.37378	Y
3	IC 410-638082/7	1.25	0.477905	5.0	633327.0	0.382324	Y
4	IC 410-638082/6	3.75	1.414924	5.0	586240.0	0.377313	Y
5	IC 410-638082/5	7.5	3.100321	5.0	667405.0	0.413376	Y
6	ICIS 410-638082/2	12.5	5.099211	5.0	731775.0	0.407937	Y
7	IC 410-638082/4	20.0	8.052462	5.0	582674.0	0.402623	Y
8	IC 410-638082/3	30.0	12.397343	5.0	765731.0	0.413245	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

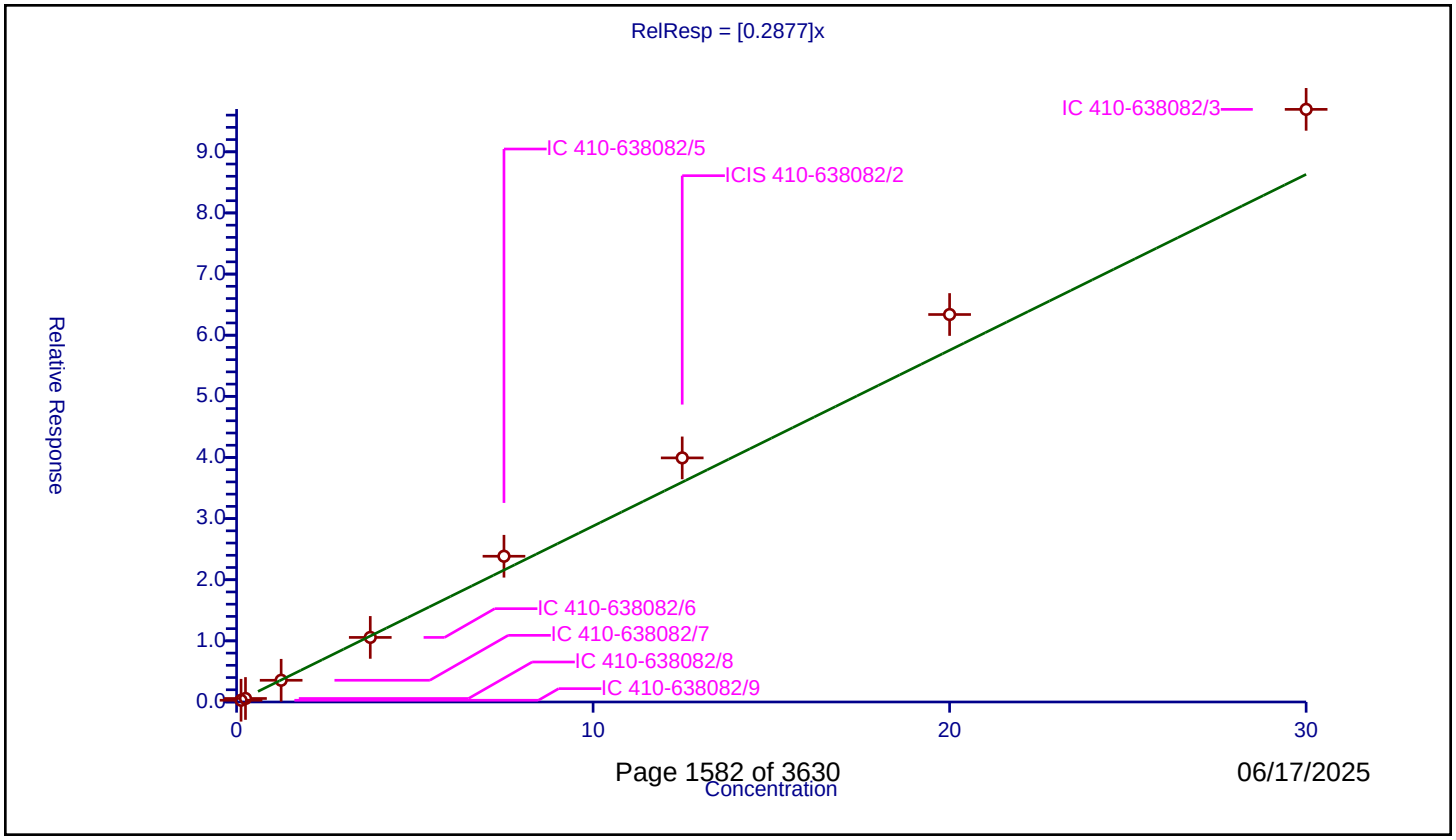
Curve Coefficients

Intercept:	0
Slope:	0.2877

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.028605	5.0	510059.0	0.228836	Y
2	IC 410-638082/8	0.25	0.057318	5.0	575472.0	0.229273	Y
3	IC 410-638082/7	1.25	0.355377	5.0	633327.0	0.284302	Y
4	IC 410-638082/6	3.75	1.056496	5.0	586240.0	0.281732	Y
5	IC 410-638082/5	7.5	2.384204	5.0	667405.0	0.317894	Y
6	ICIS 410-638082/2	12.5	3.992942	5.0	731775.0	0.319435	Y
7	IC 410-638082/4	20.0	6.338381	5.0	582674.0	0.316919	Y
8	IC 410-638082/3	30.0	9.69439	5.0	765731.0	0.323146	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

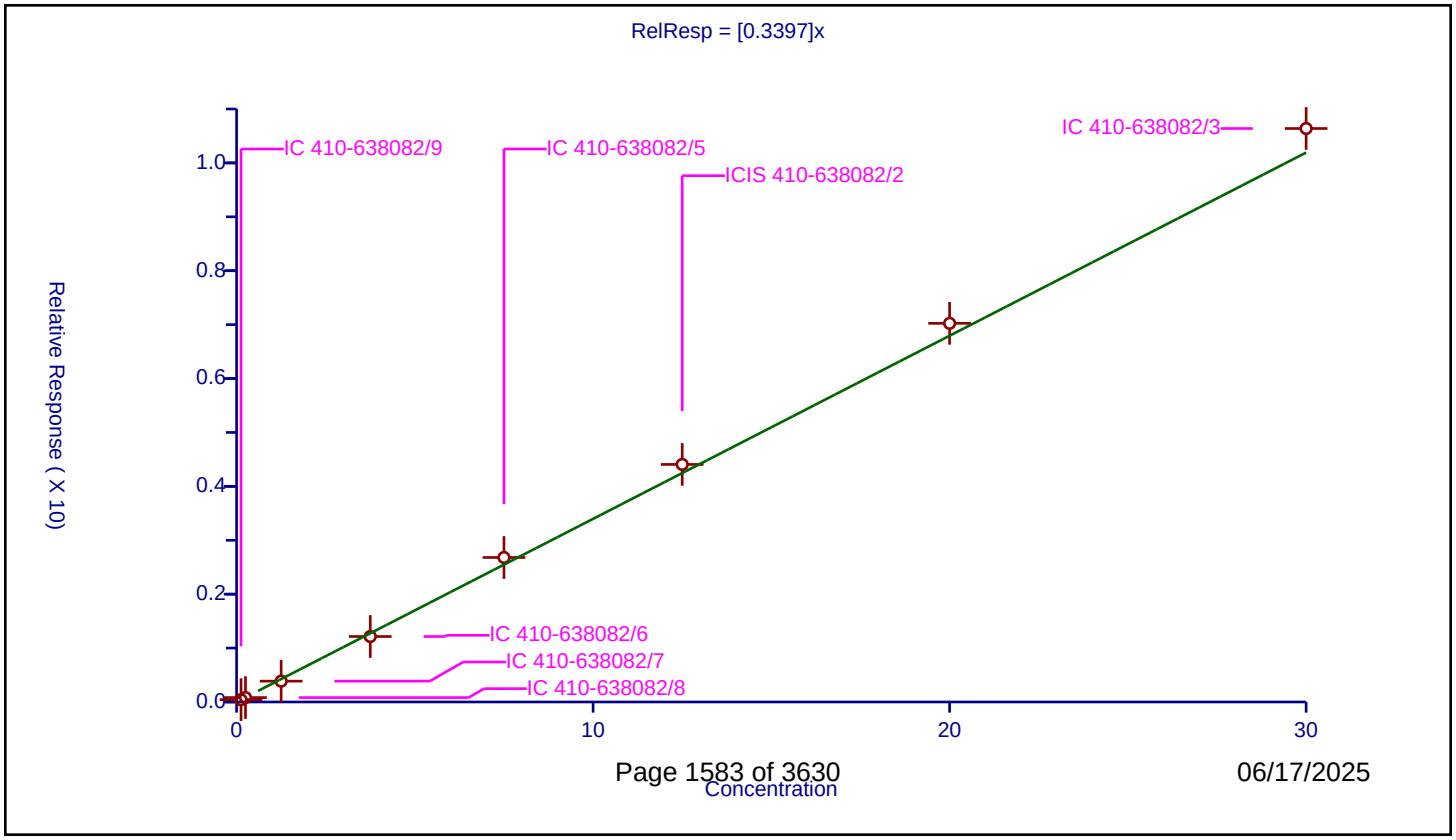
Curve Coefficients

Intercept:	0
Slope:	0.3397

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.042544	5.0	510059.0	0.340353	Y
2	IC 410-638082/8	0.25	0.082072	5.0	575472.0	0.328287	Y
3	IC 410-638082/7	1.25	0.386799	5.0	633327.0	0.309439	Y
4	IC 410-638082/6	3.75	1.214895	5.0	586240.0	0.323972	Y
5	IC 410-638082/5	7.5	2.680352	5.0	667405.0	0.35738	Y
6	ICIS 410-638082/2	12.5	4.40699	5.0	731775.0	0.352559	Y
7	IC 410-638082/4	20.0	7.024237	5.0	582674.0	0.351212	Y
8	IC 410-638082/3	30.0	10.638194	5.0	765731.0	0.354606	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

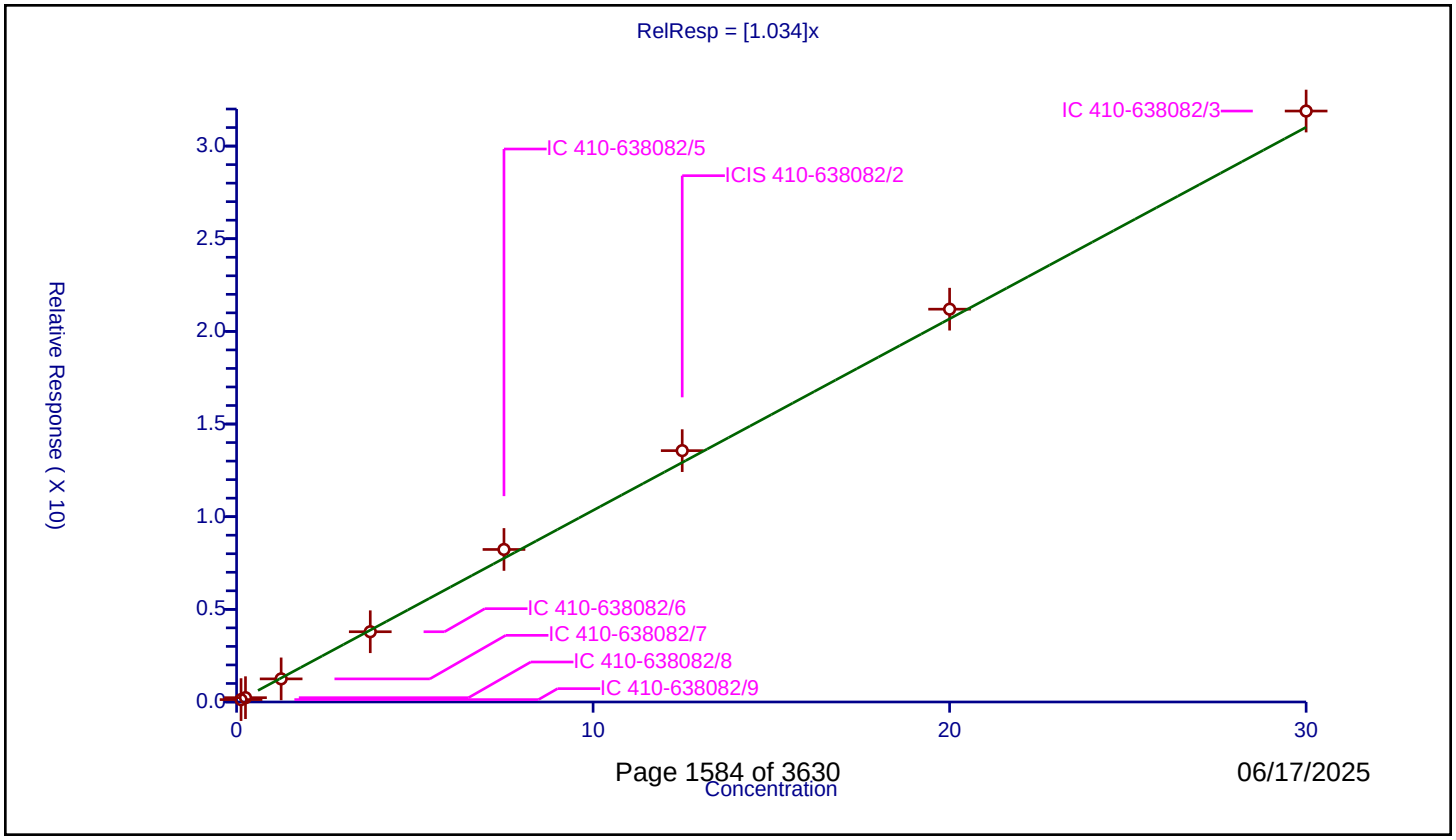
Curve Coefficients

Intercept:	0
Slope:	1.034

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.128652	5.0	510059.0	1.029214	Y
2	IC 410-638082/8	0.25	0.231975	5.0	575472.0	0.927899	Y
3	IC 410-638082/7	1.25	1.247207	5.0	633327.0	0.997766	Y
4	IC 410-638082/6	3.75	3.791664	5.0	586240.0	1.01111	Y
5	IC 410-638082/5	7.5	8.230325	5.0	667405.0	1.097377	Y
6	ICIS 410-638082/2	12.5	13.563828	5.0	731775.0	1.085106	Y
7	IC 410-638082/4	20.0	21.198663	5.0	582674.0	1.059933	Y
8	IC 410-638082/3	30.0	31.890063	5.0	765731.0	1.063002	Y



Calibration / Alpha-Terpineol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

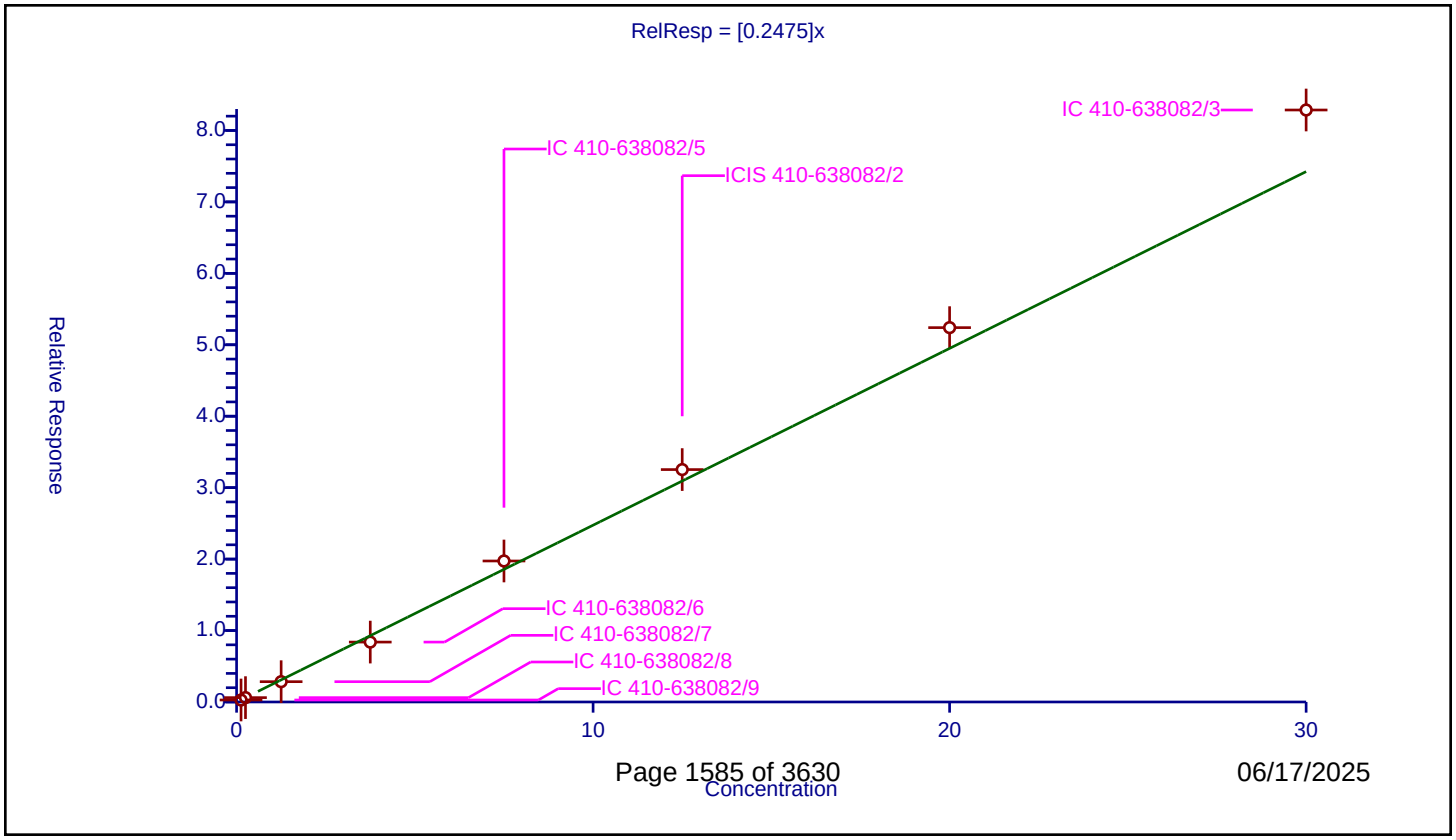
Curve Coefficients

Intercept:	0
Slope:	0.2475

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.027889	5.0	510059.0	0.223111	Y
2	IC 410-638082/8	0.25	0.060967	5.0	575472.0	0.243869	Y
3	IC 410-638082/7	1.25	0.284379	5.0	633327.0	0.227503	Y
4	IC 410-638082/6	3.75	0.838624	5.0	586240.0	0.223633	Y
5	IC 410-638082/5	7.5	1.973712	5.0	667405.0	0.263162	Y
6	ICIS 410-638082/2	12.5	3.253056	5.0	731775.0	0.260244	Y
7	IC 410-638082/4	20.0	5.239945	5.0	582674.0	0.261997	Y
8	IC 410-638082/3	30.0	8.286356	5.0	765731.0	0.276212	Y



Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

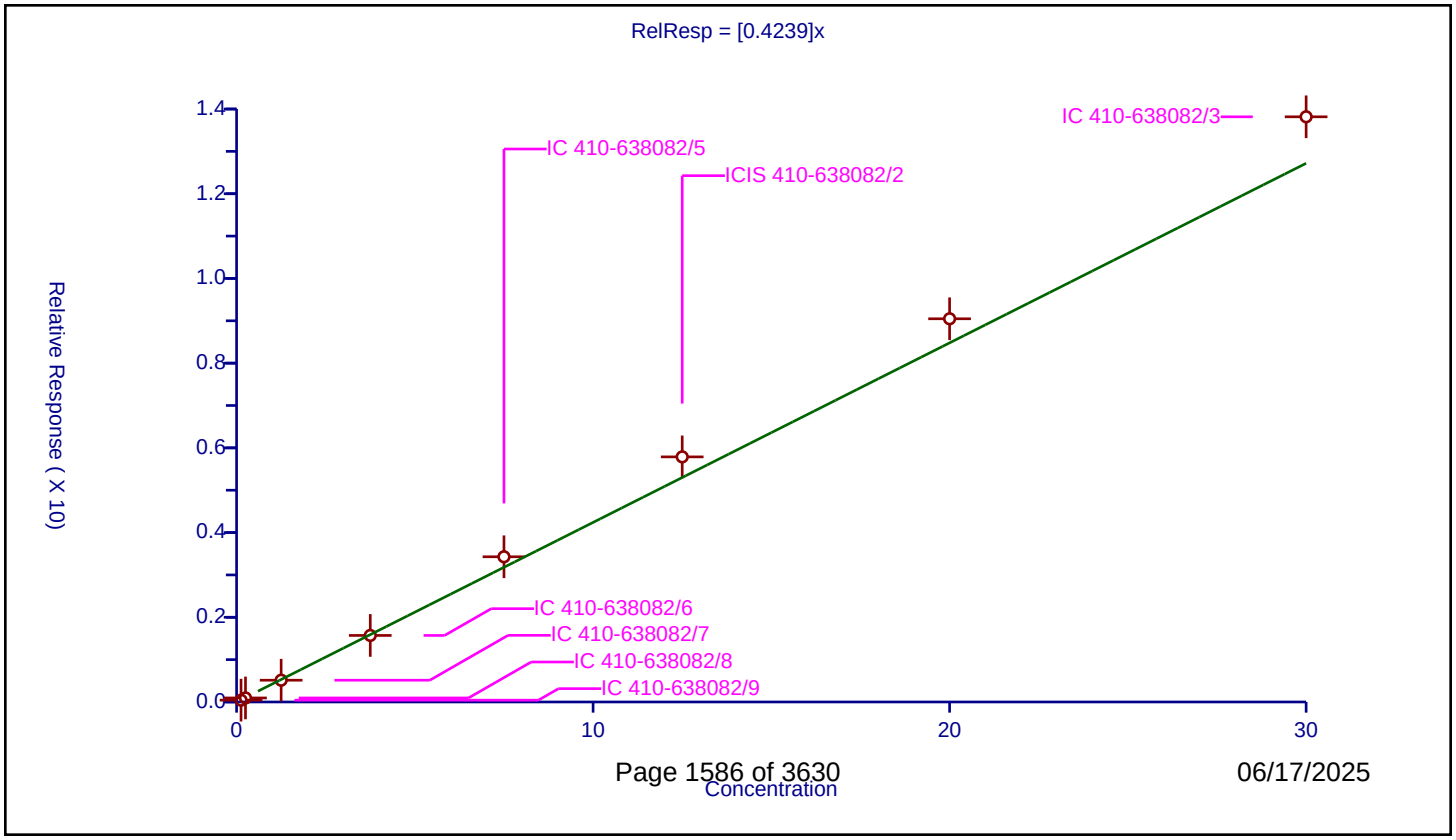
Curve Coefficients

Intercept:	0
Slope:	0.4239

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.043191	5.0	510059.0	0.345529	Y
2	IC 410-638082/8	0.25	0.095652	5.0	575472.0	0.382608	Y
3	IC 410-638082/7	1.25	0.514221	5.0	633327.0	0.411377	Y
4	IC 410-638082/6	3.75	1.57131	5.0	586240.0	0.419016	Y
5	IC 410-638082/5	7.5	3.428248	5.0	667405.0	0.4571	Y
6	ICIS 410-638082/2	12.5	5.787114	5.0	731775.0	0.462969	Y
7	IC 410-638082/4	20.0	9.047795	5.0	582674.0	0.45239	Y
8	IC 410-638082/3	30.0	13.815968	5.0	765731.0	0.460532	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

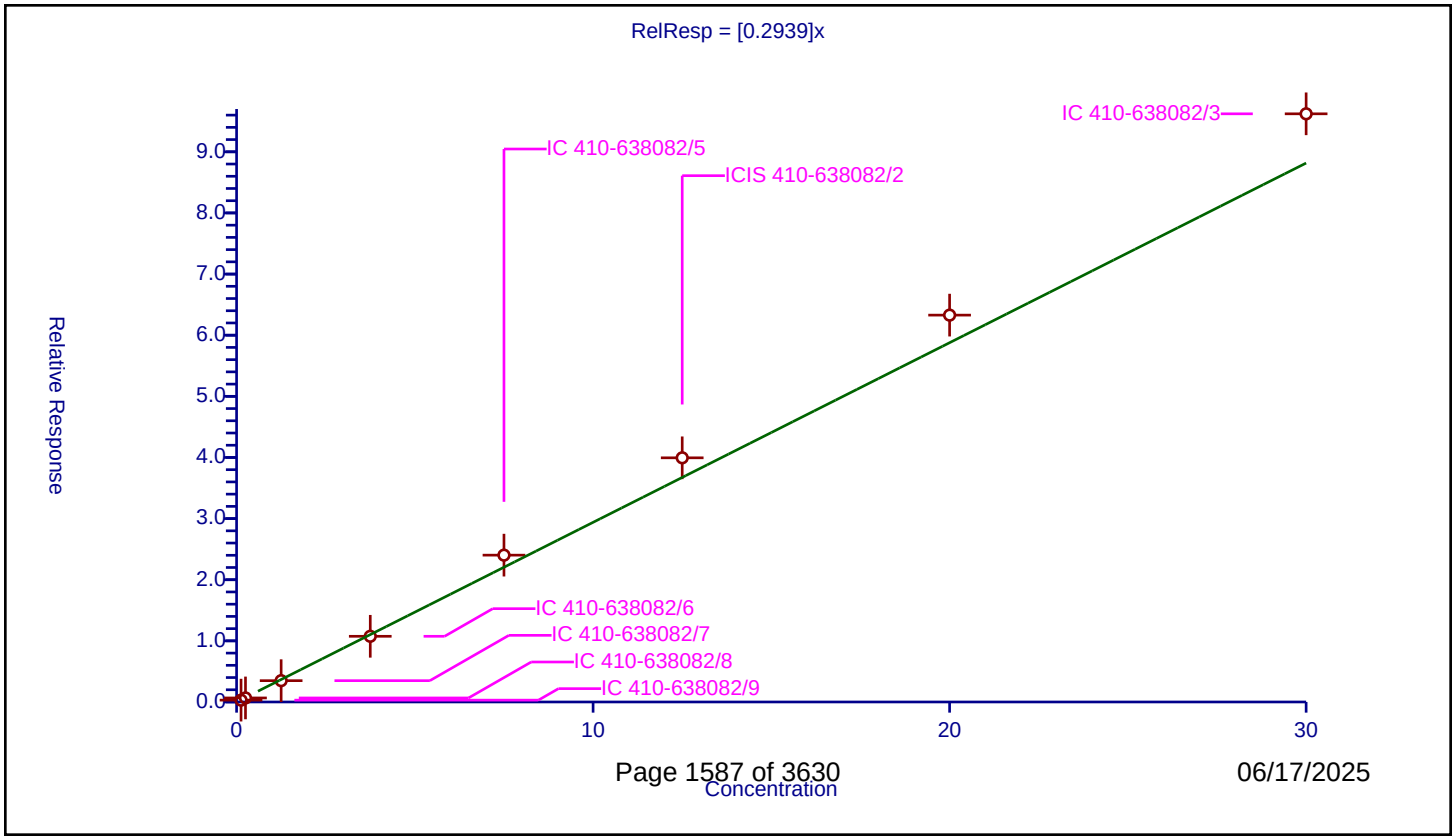
Curve Coefficients

Intercept:	0
Slope:	0.2939

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.030438	5.0	510059.0	0.243501	Y
2	IC 410-638082/8	0.25	0.066189	5.0	575472.0	0.264757	Y
3	IC 410-638082/7	1.25	0.348872	5.0	633327.0	0.279098	Y
4	IC 410-638082/6	3.75	1.074807	5.0	586240.0	0.286615	Y
5	IC 410-638082/5	7.5	2.40223	5.0	667405.0	0.320297	Y
6	ICIS 410-638082/2	12.5	3.994131	5.0	731775.0	0.31953	Y
7	IC 410-638082/4	20.0	6.328384	5.0	582674.0	0.316419	Y
8	IC 410-638082/3	30.0	9.621401	5.0	765731.0	0.320713	Y



Calibration / Hexachloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

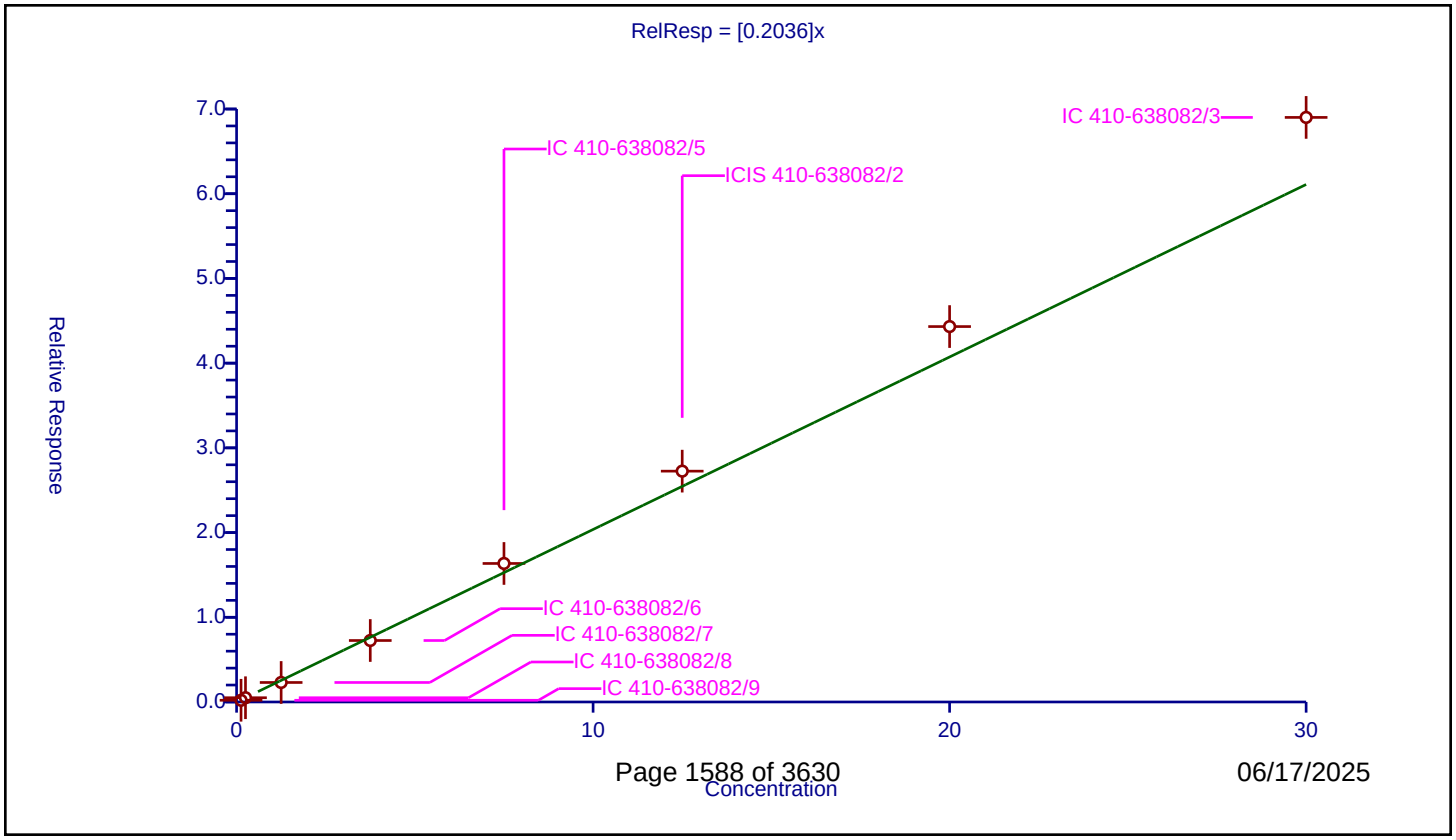
Curve Coefficients

Intercept:	0
Slope:	0.2036

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.020311	5.0	510059.0	0.162491	Y
2	IC 410-638082/8	0.25	0.050307	5.0	575472.0	0.201226	Y
3	IC 410-638082/7	1.25	0.230165	5.0	633327.0	0.184132	Y
4	IC 410-638082/6	3.75	0.725744	5.0	586240.0	0.193532	Y
5	IC 410-638082/5	7.5	1.635319	5.0	667405.0	0.218043	Y
6	ICIS 410-638082/2	12.5	2.725141	5.0	731775.0	0.218011	Y
7	IC 410-638082/4	20.0	4.431921	5.0	582674.0	0.221596	Y
8	IC 410-638082/3	30.0	6.900942	5.0	765731.0	0.230031	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

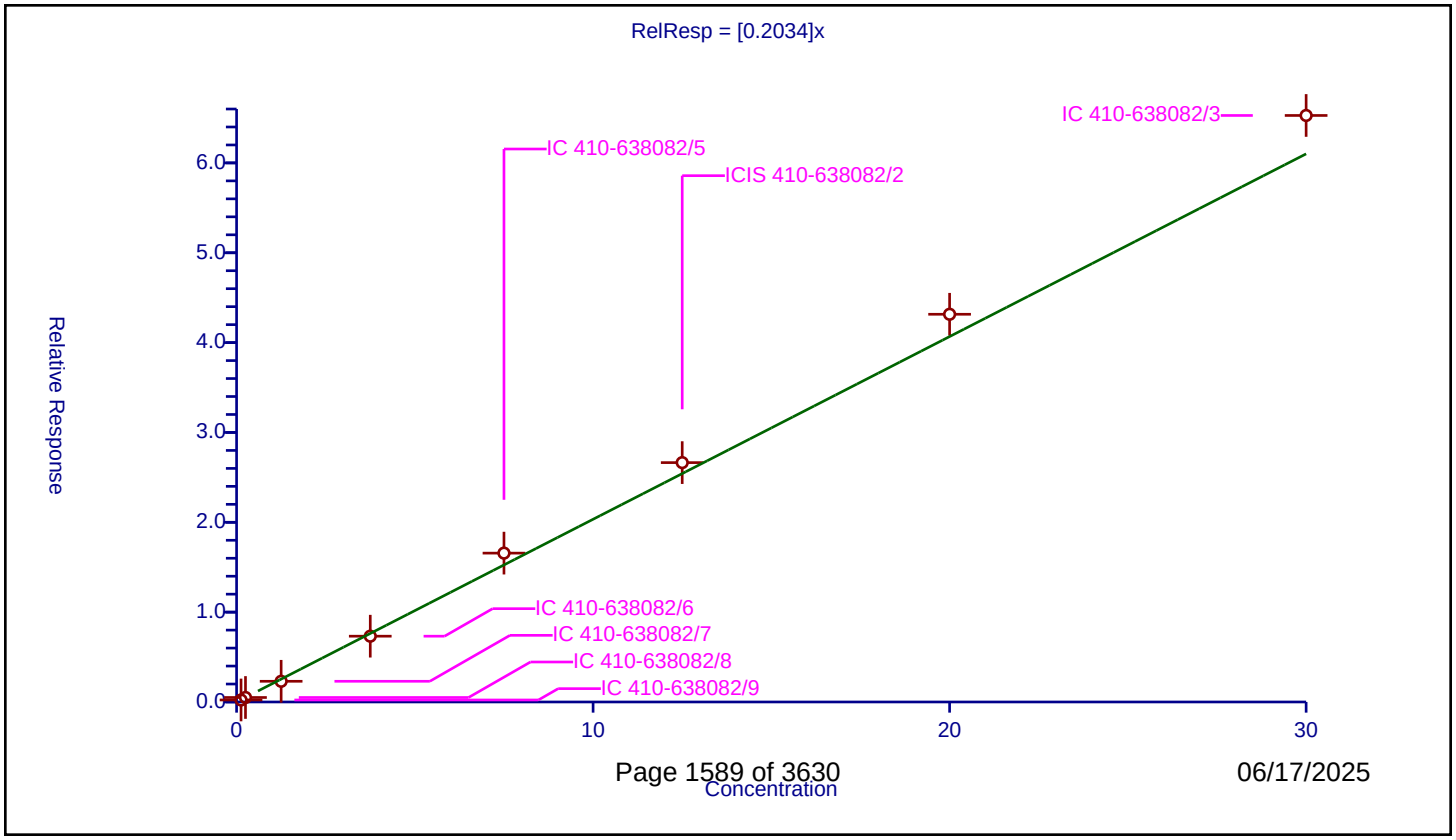
Curve Coefficients

Intercept:	0
Slope:	0.2034

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.022478	5.0	510059.0	0.179822	Y
2	IC 410-638082/8	0.25	0.050011	5.0	575472.0	0.200044	Y
3	IC 410-638082/7	1.25	0.230323	5.0	633327.0	0.184259	Y
4	IC 410-638082/6	3.75	0.732388	5.0	586240.0	0.195303	Y
5	IC 410-638082/5	7.5	1.657075	5.0	667405.0	0.220943	Y
6	ICIS 410-638082/2	12.5	2.664268	5.0	731775.0	0.213141	Y
7	IC 410-638082/4	20.0	4.315586	5.0	582674.0	0.215779	Y
8	IC 410-638082/3	30.0	6.528024	5.0	765731.0	0.217601	Y



Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

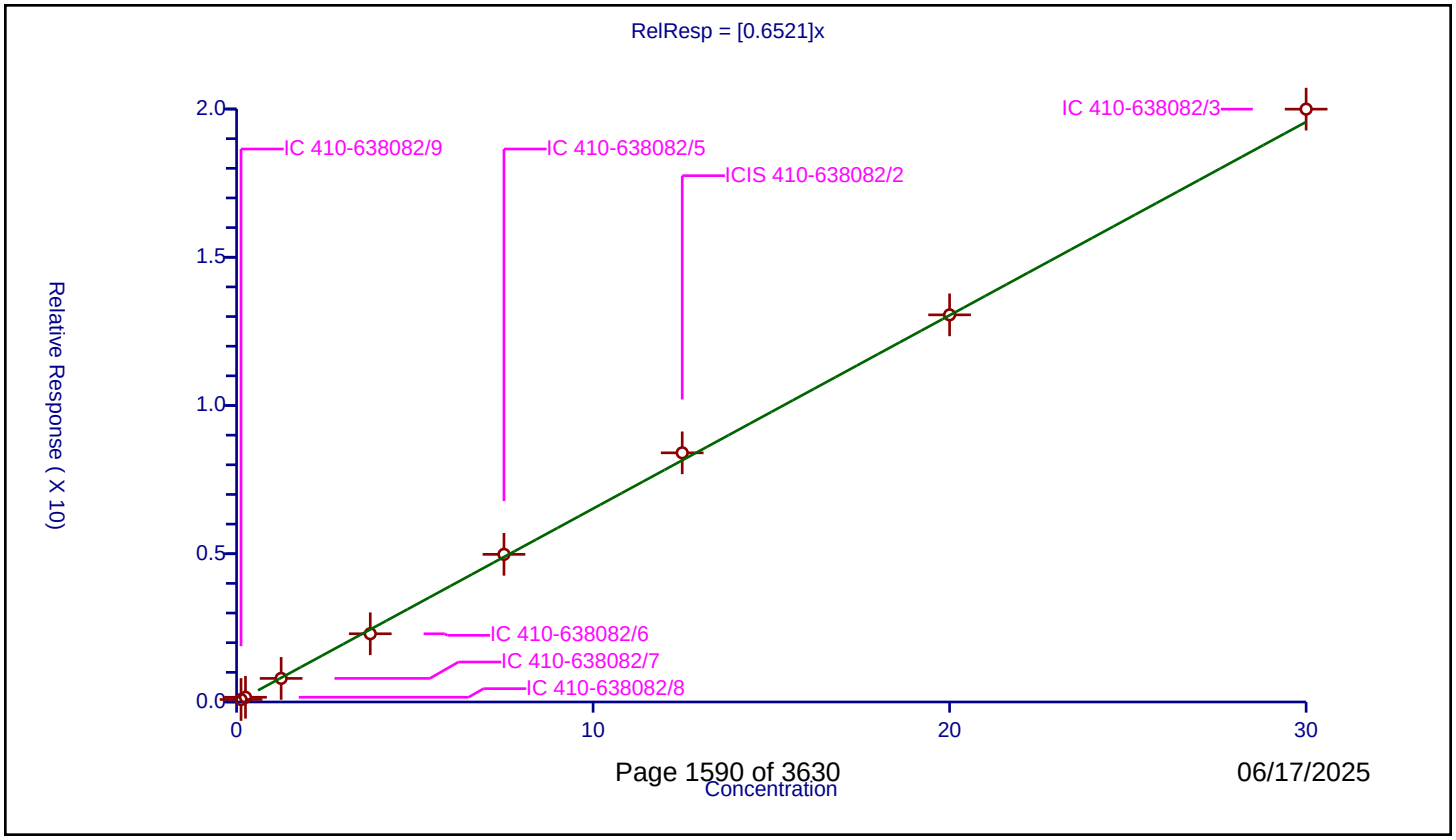
Curve Coefficients

Intercept:	0
Slope:	0.6521

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.084333	5.0	510059.0	0.674667	Y
2	IC 410-638082/8	0.25	0.159226	5.0	575472.0	0.636903	Y
3	IC 410-638082/7	1.25	0.79519	5.0	633327.0	0.636152	Y
4	IC 410-638082/6	3.75	2.301515	5.0	586240.0	0.613737	Y
5	IC 410-638082/5	7.5	4.97972	5.0	667405.0	0.663963	Y
6	ICIS 410-638082/2	12.5	8.404188	5.0	731775.0	0.672335	Y
7	IC 410-638082/4	20.0	13.057387	5.0	582674.0	0.652869	Y
8	IC 410-638082/3	30.0	19.995769	5.0	765731.0	0.666526	Y



Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

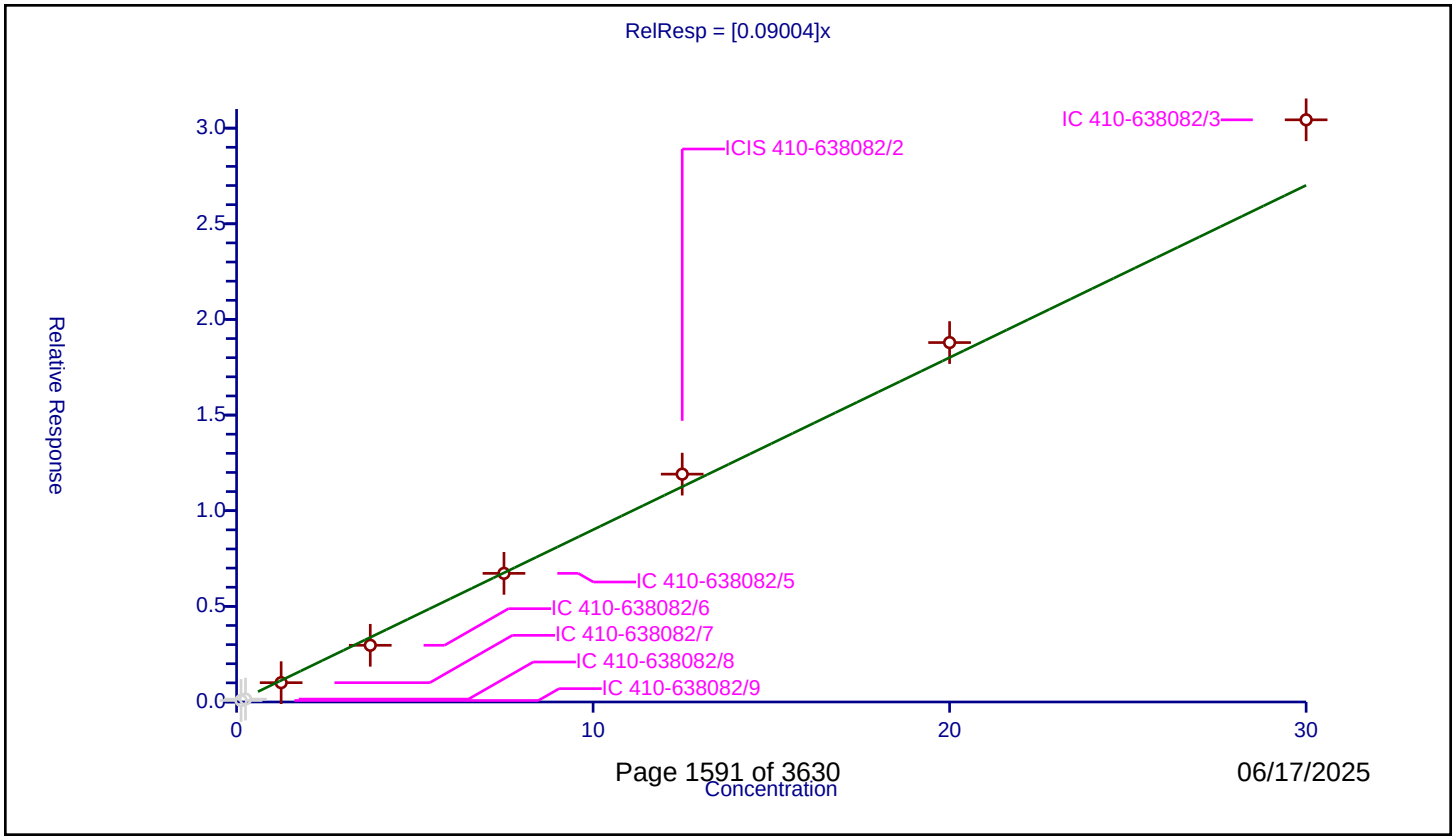
Curve Coefficients

Intercept:	0
Slope:	0.09004

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.007813	5.0	510059.0	0.062503	N
2	IC 410-638082/8	0.25	0.01517	5.0	575472.0	0.060681	N
3	IC 410-638082/7	1.25	0.101006	5.0	633327.0	0.080805	Y
4	IC 410-638082/6	3.75	0.296491	5.0	586240.0	0.079064	Y
5	IC 410-638082/5	7.5	0.672403	5.0	667405.0	0.089654	Y
6	ICIS 410-638082/2	12.5	1.191213	5.0	731775.0	0.095297	Y
7	IC 410-638082/4	20.0	1.879027	5.0	582674.0	0.093951	Y
8	IC 410-638082/3	30.0	3.043536	5.0	765731.0	0.101451	Y



Calibration / N-Nitrosodi-n-butylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

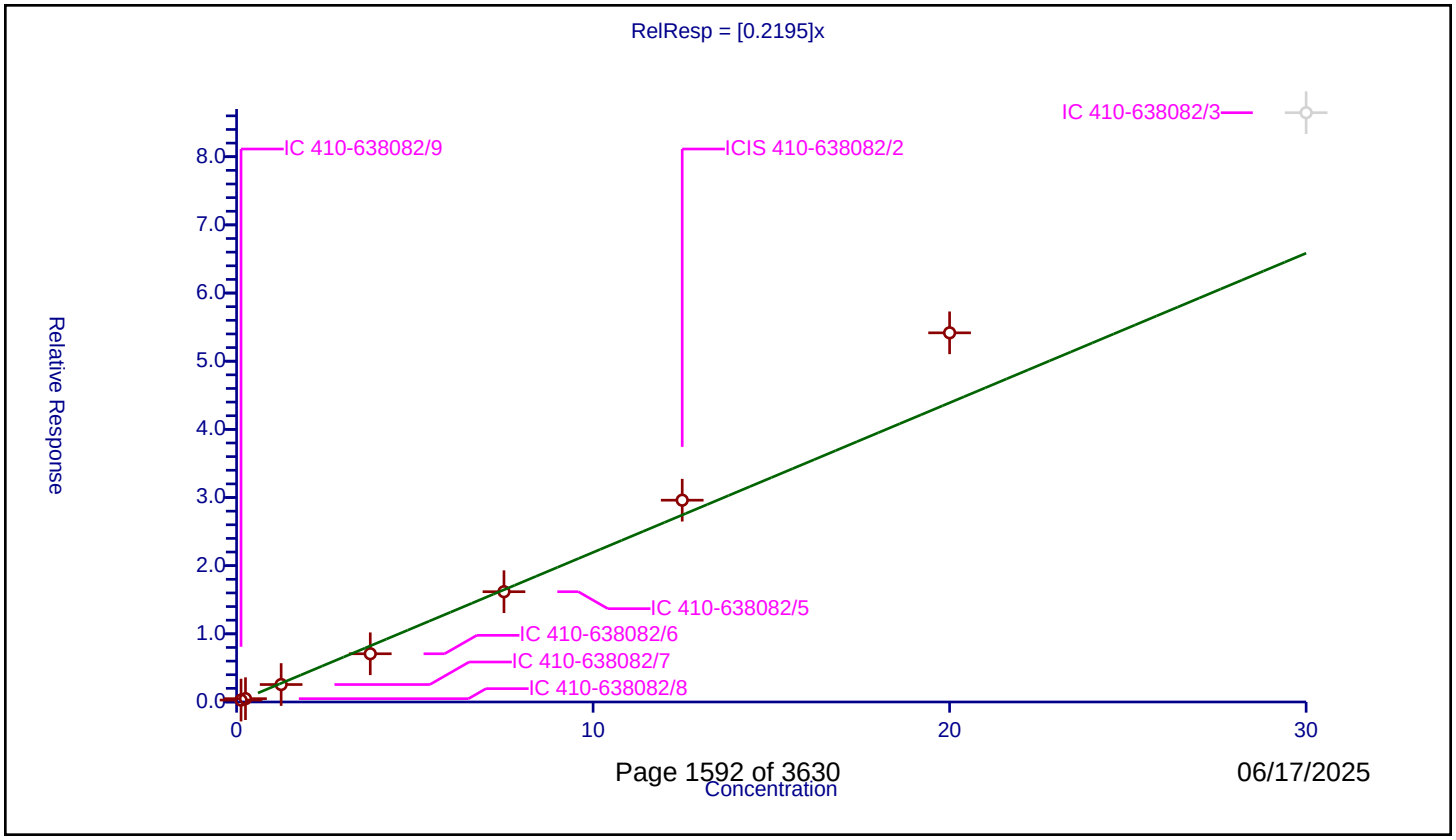
Curve Coefficients

Intercept:	0
Slope:	0.2195

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.028046	5.0	510059.0	0.224366	Y
2	IC 410-638082/8	0.25	0.048743	5.0	575472.0	0.19497	Y
3	IC 410-638082/7	1.25	0.25625	5.0	633327.0	0.205	Y
4	IC 410-638082/6	3.75	0.707407	5.0	586240.0	0.188642	Y
5	IC 410-638082/5	7.5	1.617998	5.0	667405.0	0.215733	Y
6	ICIS 410-638082/2	12.5	2.960657	5.0	731775.0	0.236853	Y
7	IC 410-638082/4	20.0	5.416331	5.0	582674.0	0.270817	Y
8	IC 410-638082/3	30.0	8.646039	5.0	765731.0	0.288201	N



Calibration / p-Phenylene diamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

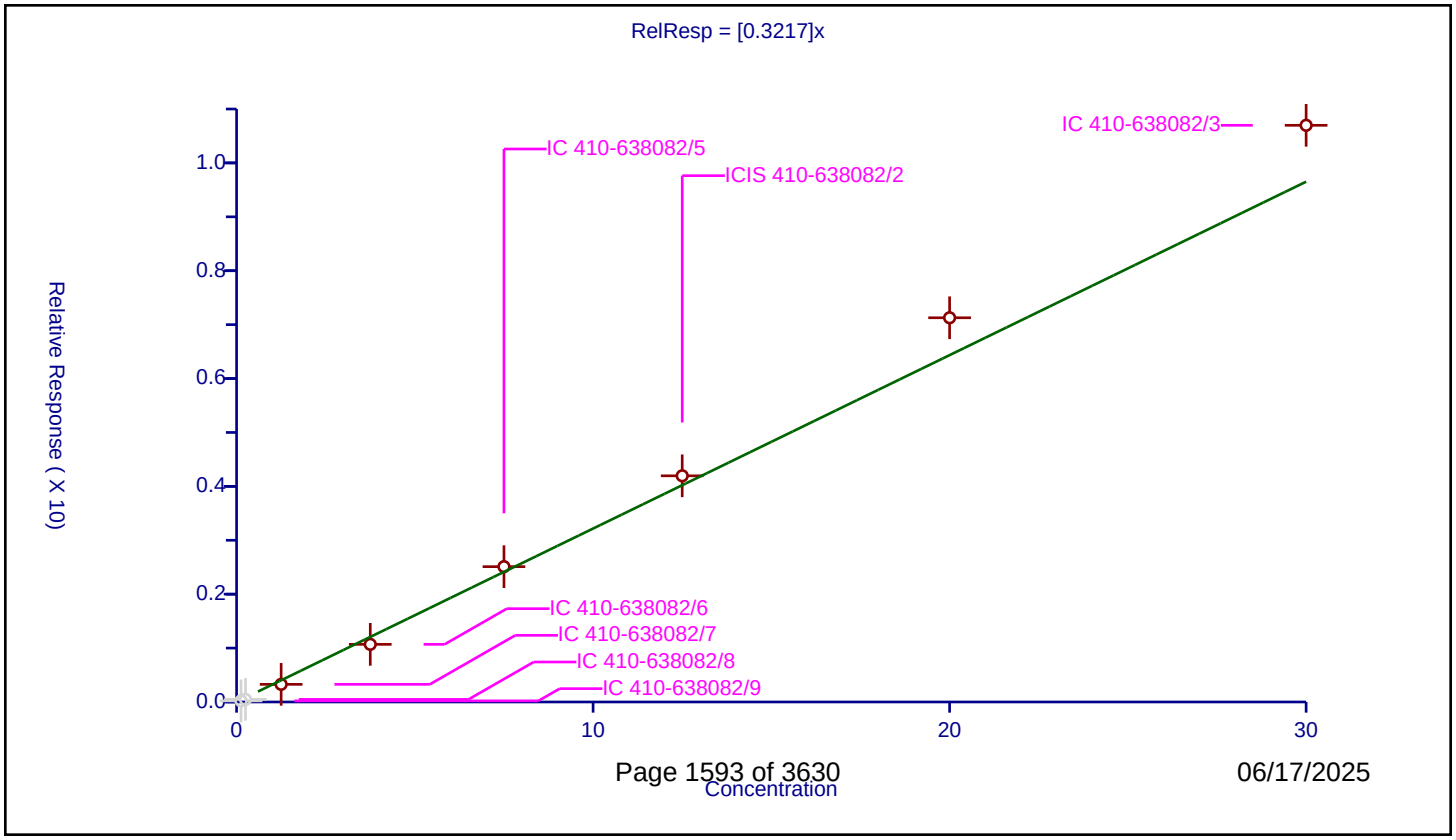
Curve Coefficients

Intercept:	0
Slope:	0.3217

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.021252	5.0	510059.0	0.17002	N
2	IC 410-638082/8	0.25	0.048213	5.0	575472.0	0.19285	N
3	IC 410-638082/7	1.25	0.327327	5.0	633327.0	0.261862	Y
4	IC 410-638082/6	3.75	1.069187	5.0	586240.0	0.285116	Y
5	IC 410-638082/5	7.5	2.510237	5.0	667405.0	0.334698	Y
6	ICIS 410-638082/2	12.5	4.195805	5.0	731775.0	0.335664	Y
7	IC 410-638082/4	20.0	7.127433	5.0	582674.0	0.356372	Y
8	IC 410-638082/3	30.0	10.697784	5.0	765731.0	0.356593	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

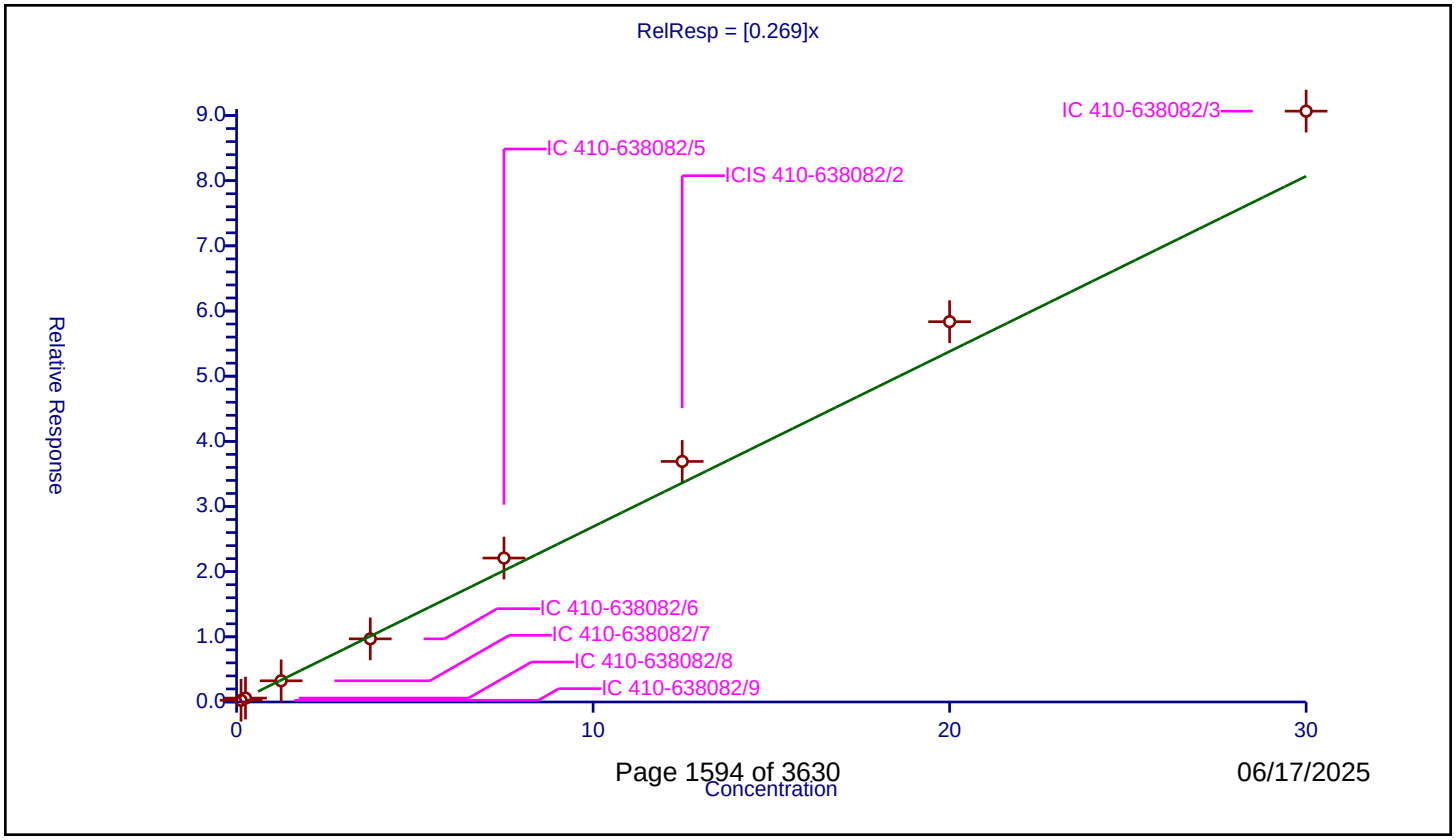
Curve Coefficients

Intercept:	0
Slope:	0.269

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.026291	5.0	510059.0	0.210329	Y
2	IC 410-638082/8	0.25	0.059768	5.0	575472.0	0.239073	Y
3	IC 410-638082/7	1.25	0.32518	5.0	633327.0	0.260144	Y
4	IC 410-638082/6	3.75	0.96898	5.0	586240.0	0.258395	Y
5	IC 410-638082/5	7.5	2.208726	5.0	667405.0	0.294497	Y
6	ICIS 410-638082/2	12.5	3.691449	5.0	731775.0	0.295316	Y
7	IC 410-638082/4	20.0	5.836403	5.0	582674.0	0.29182	Y
8	IC 410-638082/3	30.0	9.067199	5.0	765731.0	0.30224	Y



Calibration / Safrole, Total

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

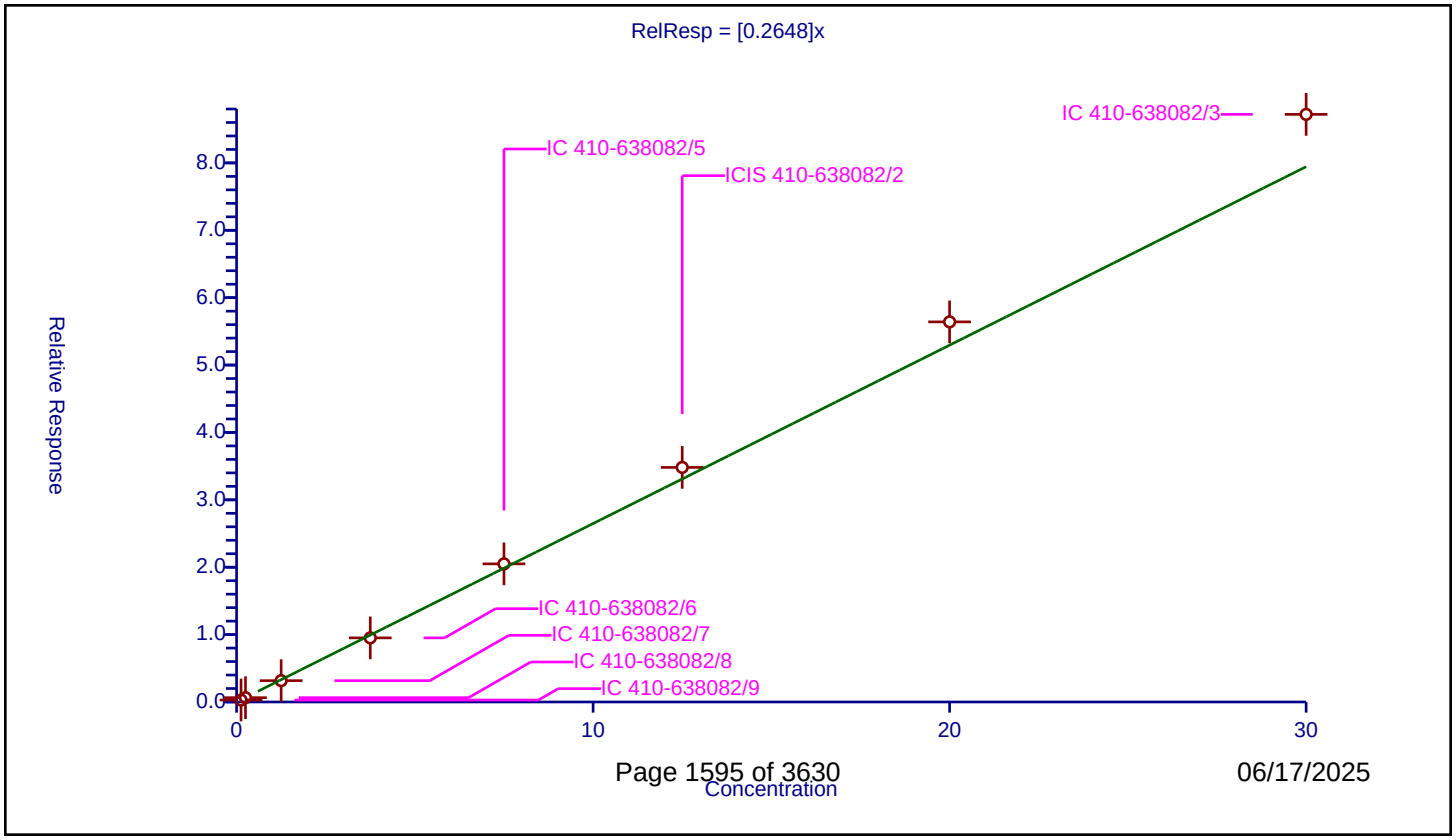
Curve Coefficients

Intercept:	0
Slope:	0.2648

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.028948	5.0	510059.0	0.231581	Y
2	IC 410-638082/8	0.25	0.063861	5.0	575472.0	0.255442	Y
3	IC 410-638082/7	1.25	0.316393	5.0	633327.0	0.253114	Y
4	IC 410-638082/6	3.75	0.951573	5.0	586240.0	0.253753	Y
5	IC 410-638082/5	7.5	2.049603	5.0	667405.0	0.27328	Y
6	ICIS 410-638082/2	12.5	3.481015	5.0	731775.0	0.278481	Y
7	IC 410-638082/4	20.0	5.64101	5.0	582674.0	0.282051	Y
8	IC 410-638082/3	30.0	8.720582	5.0	765731.0	0.290686	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

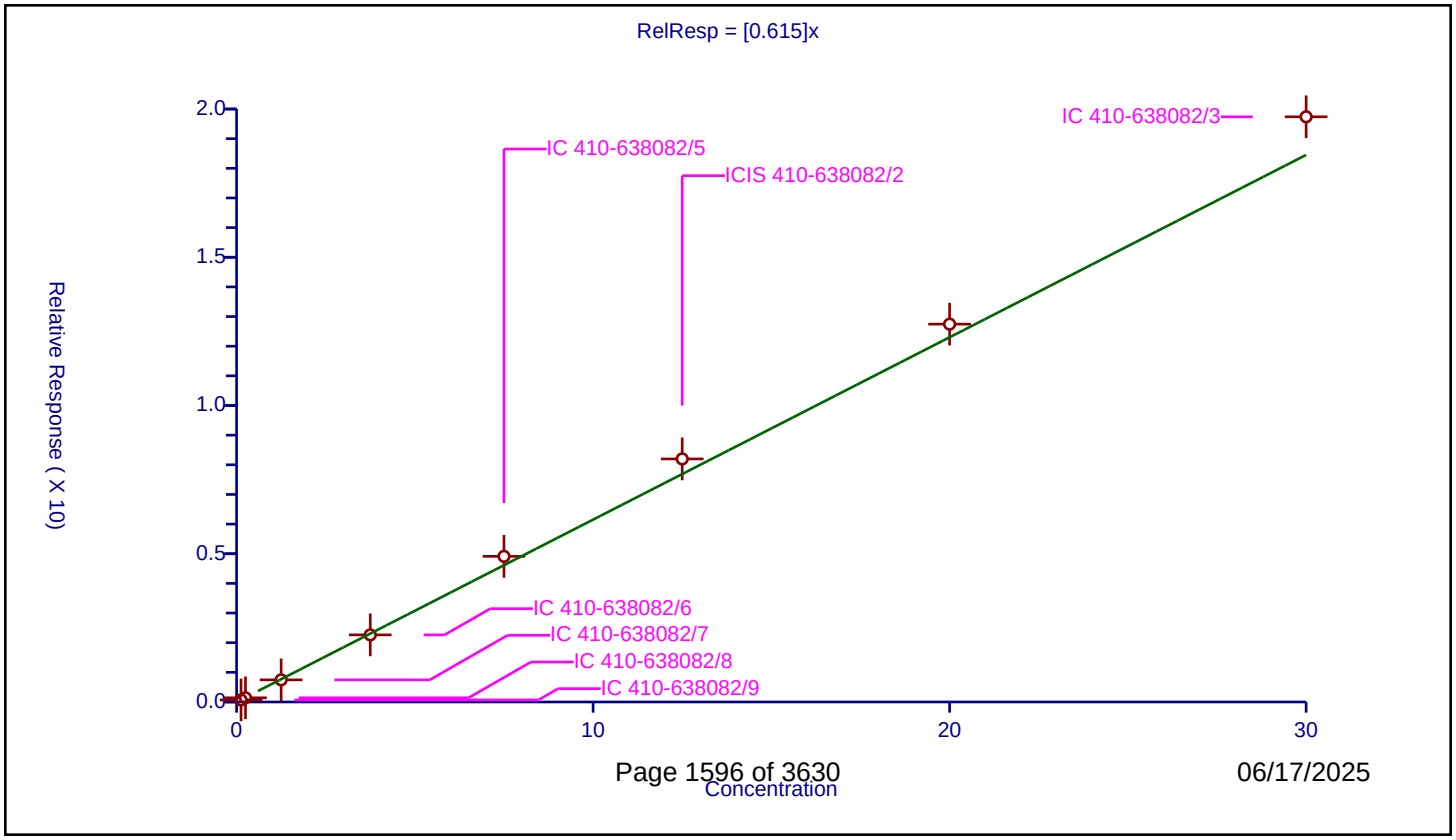
Curve Coefficients

Intercept:	0
Slope:	0.615

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.069041	5.0	510059.0	0.552328	Y
2	IC 410-638082/8	0.25	0.140363	5.0	575472.0	0.561452	Y
3	IC 410-638082/7	1.25	0.746407	5.0	633327.0	0.597126	Y
4	IC 410-638082/6	3.75	2.263152	5.0	586240.0	0.603507	Y
5	IC 410-638082/5	7.5	4.912497	5.0	667405.0	0.655	Y
6	ICIS 410-638082/2	12.5	8.197506	5.0	731775.0	0.6558	Y
7	IC 410-638082/4	20.0	12.743996	5.0	582674.0	0.6372	Y
8	IC 410-638082/3	30.0	19.736964	5.0	765731.0	0.657899	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

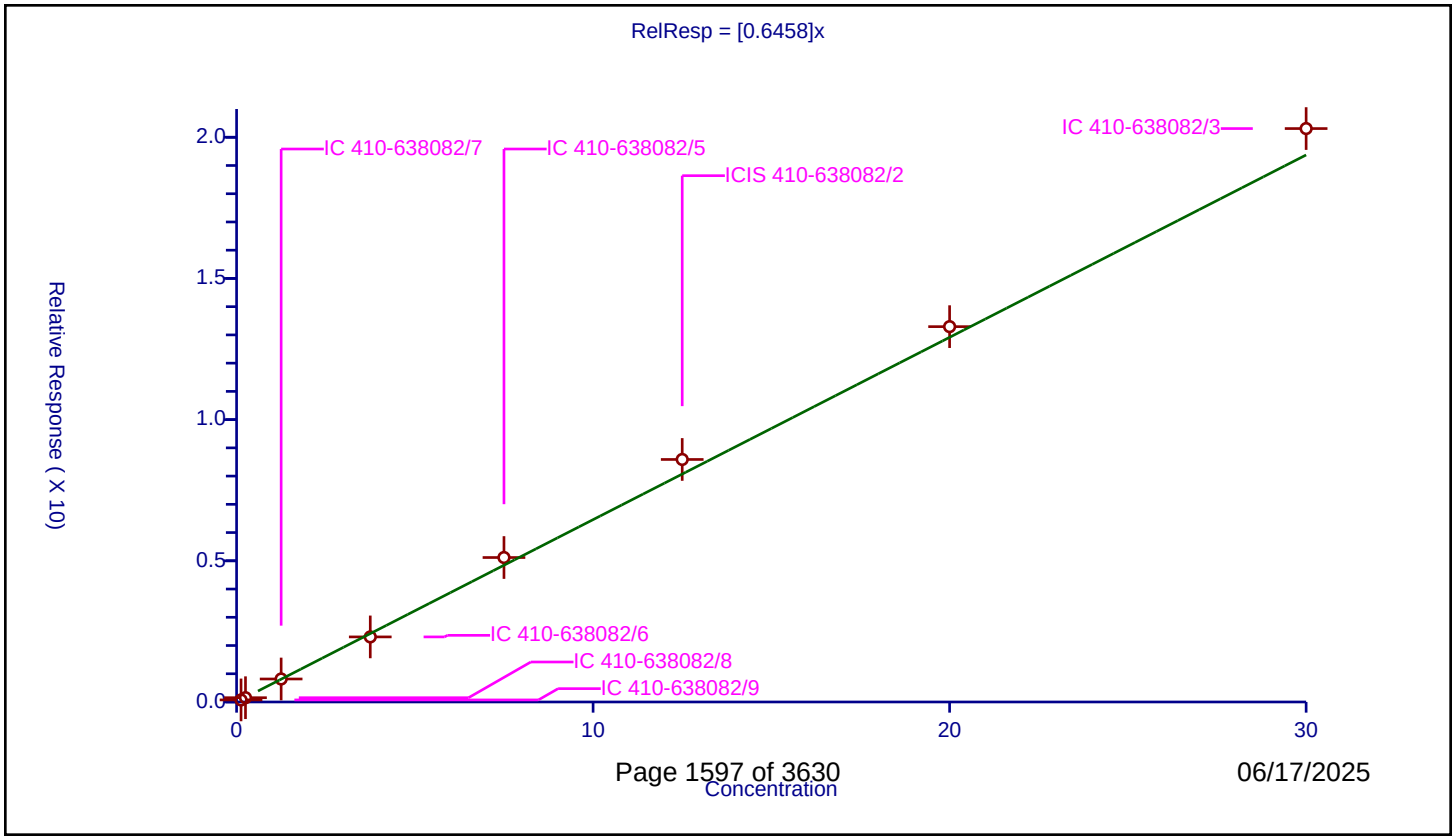
Curve Coefficients

Intercept:	0
Slope:	0.6458

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.07306	5.0	510059.0	0.584481	Y
2	IC 410-638082/8	0.25	0.151224	5.0	575472.0	0.604895	Y
3	IC 410-638082/7	1.25	0.814121	5.0	633327.0	0.651297	Y
4	IC 410-638082/6	3.75	2.304534	5.0	586240.0	0.614542	Y
5	IC 410-638082/5	7.5	5.116444	5.0	667405.0	0.682192	Y
6	ICIS 410-638082/2	12.5	8.588993	5.0	731775.0	0.687119	Y
7	IC 410-638082/4	20.0	13.292562	5.0	582674.0	0.664628	Y
8	IC 410-638082/3	30.0	20.307373	5.0	765731.0	0.676912	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

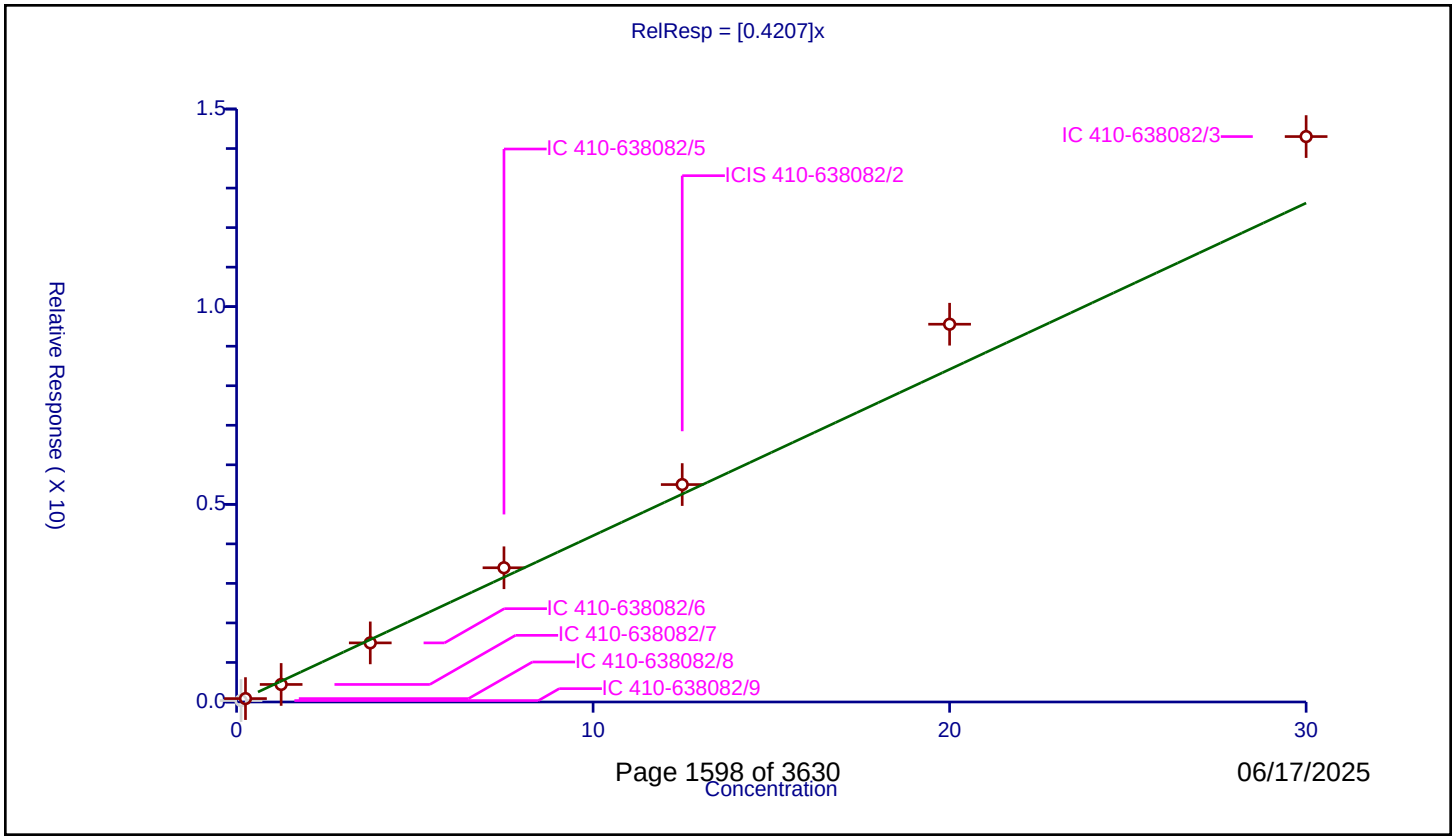
Curve Coefficients

Intercept:	0
Slope:	0.4207

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.036064	5.0	269107.0	0.28851	N
2	IC 410-638082/8	0.25	0.086018	5.0	312262.0	0.34407	Y
3	IC 410-638082/7	1.25	0.443572	5.0	370267.0	0.354857	Y
4	IC 410-638082/6	3.75	1.495391	5.0	327396.0	0.398771	Y
5	IC 410-638082/5	7.5	3.395161	5.0	381272.0	0.452688	Y
6	ICIS 410-638082/2	12.5	5.499928	5.0	437153.0	0.439994	Y
7	IC 410-638082/4	20.0	9.556075	5.0	336701.0	0.477804	Y
8	IC 410-638082/3	30.0	14.303249	5.0	462999.0	0.476775	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

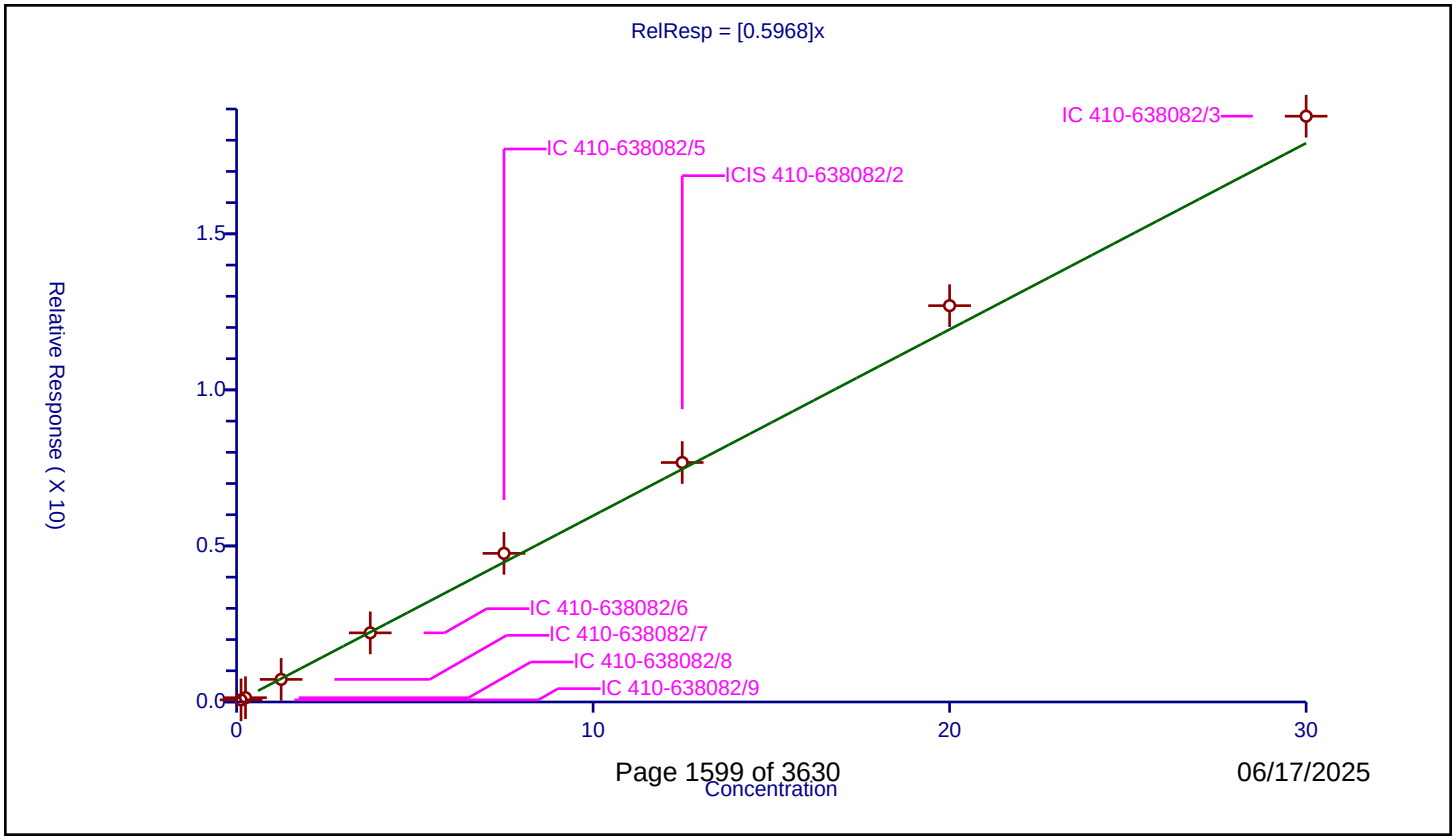
Curve Coefficients

Intercept:	0
Slope:	0.5968

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.068207	5.0	269107.0	0.545657	Y
2	IC 410-638082/8	0.25	0.137305	5.0	312262.0	0.549218	Y
3	IC 410-638082/7	1.25	0.724545	5.0	370267.0	0.579636	Y
4	IC 410-638082/6	3.75	2.215421	5.0	327396.0	0.590779	Y
5	IC 410-638082/5	7.5	4.762689	5.0	381272.0	0.635025	Y
6	ICIS 410-638082/2	12.5	7.673057	5.0	437153.0	0.613845	Y
7	IC 410-638082/4	20.0	12.699443	5.0	336701.0	0.634972	Y
8	IC 410-638082/3	30.0	18.769868	5.0	462999.0	0.625662	Y



Calibration / Isosafrole Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

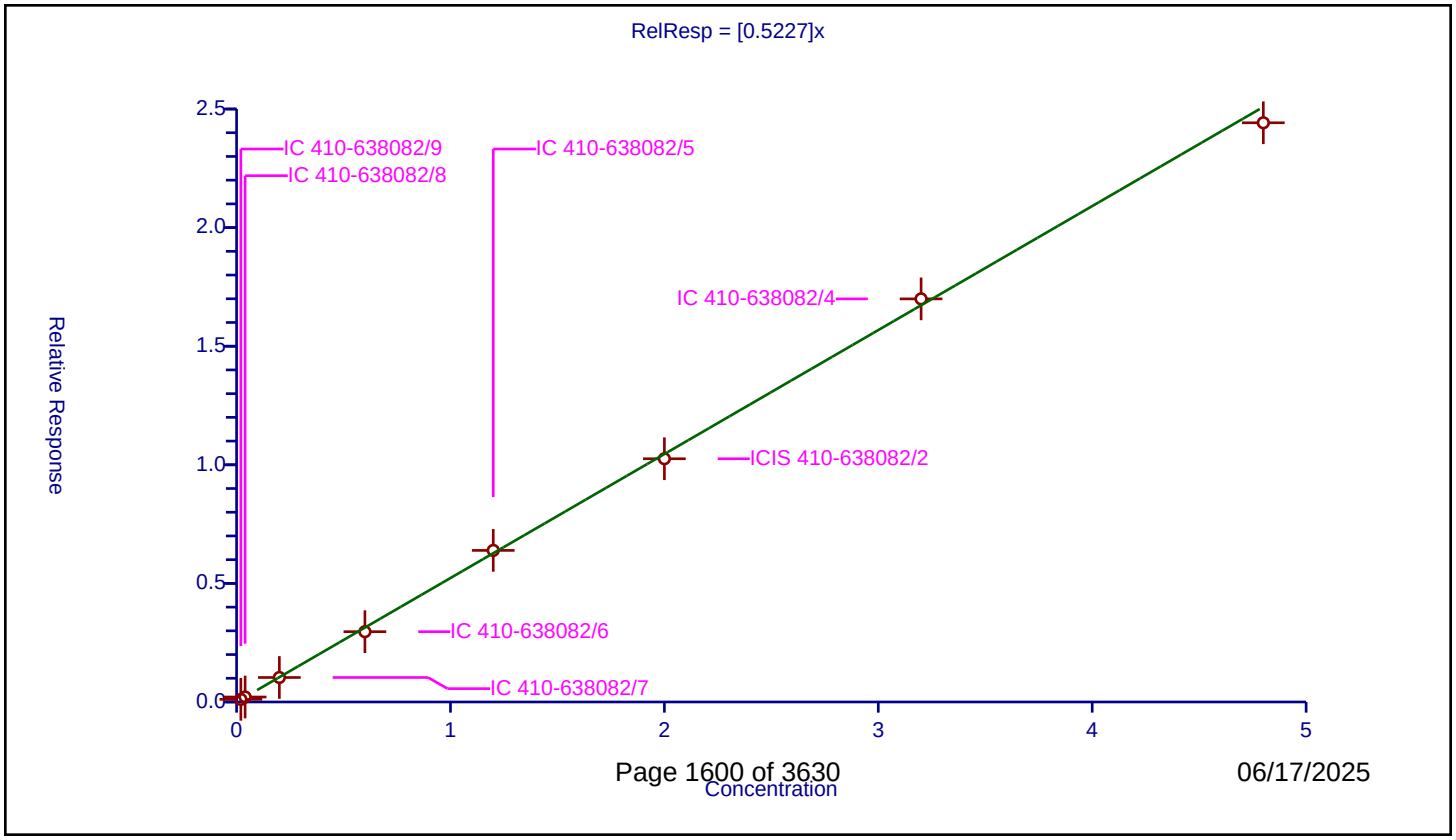
Curve Coefficients

Intercept:	0
Slope:	0.5227

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.02	0.011241	5.0	269107.0	0.562044	Y
2	IC 410-638082/8	0.04	0.02096	5.0	312262.0	0.523999	Y
3	IC 410-638082/7	0.2	0.103209	5.0	370267.0	0.516047	Y
4	IC 410-638082/6	0.6	0.296415	5.0	327396.0	0.494025	Y
5	IC 410-638082/5	1.2	0.63915	5.0	381272.0	0.532625	Y
6	ICIS 410-638082/2	2.0	1.025522	5.0	437153.0	0.512761	Y
7	IC 410-638082/4	3.2	1.69952	5.0	336701.0	0.5311	Y
8	IC 410-638082/3	4.8	2.442036	5.0	462999.0	0.508757	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

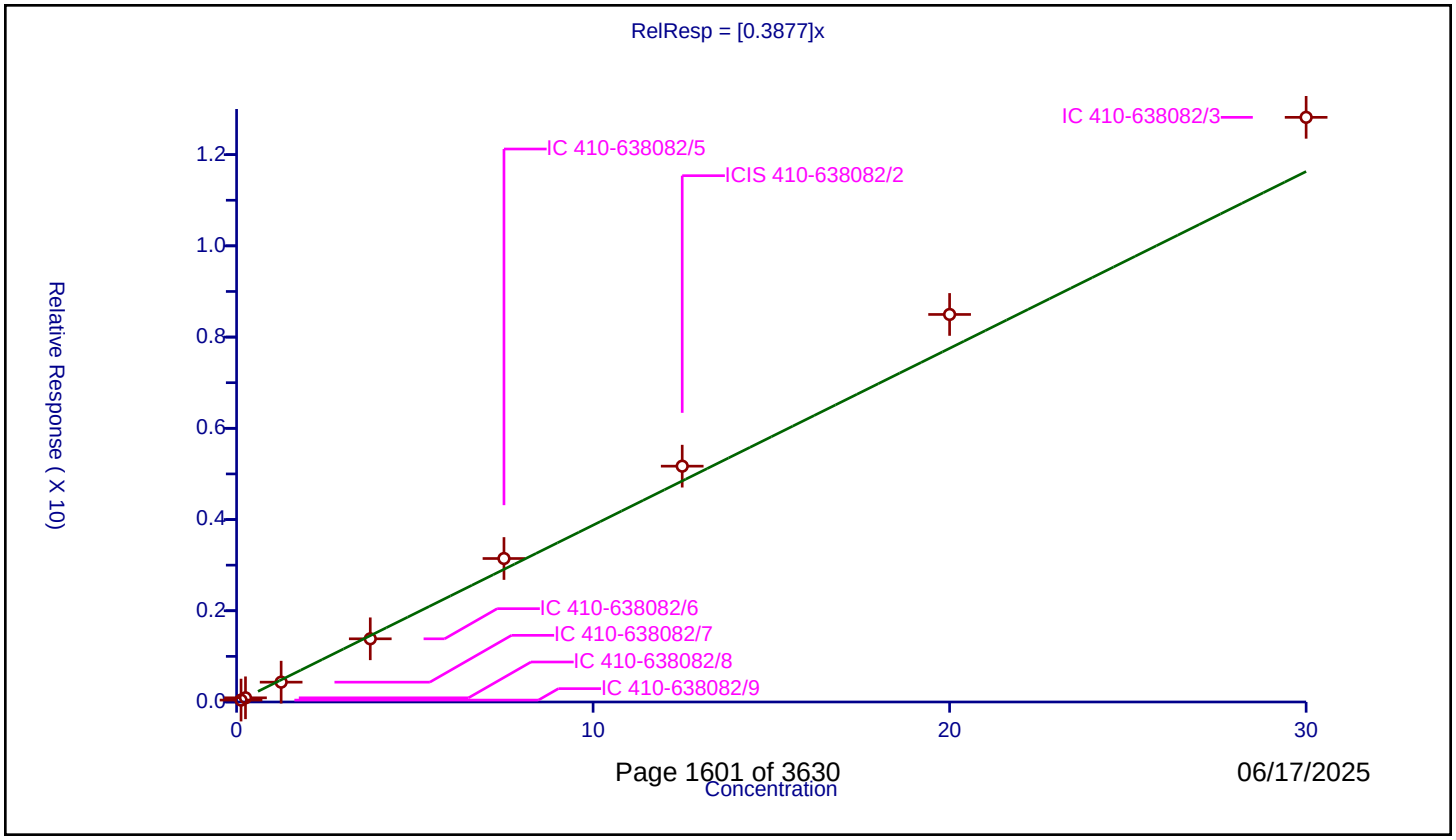
Curve Coefficients

Intercept:	0
Slope:	0.3877

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.041656	5.0	269107.0	0.33325	Y
2	IC 410-638082/8	0.25	0.091526	5.0	312262.0	0.366103	Y
3	IC 410-638082/7	1.25	0.434524	5.0	370267.0	0.347619	Y
4	IC 410-638082/6	3.75	1.385173	5.0	327396.0	0.369379	Y
5	IC 410-638082/5	7.5	3.145366	5.0	381272.0	0.419382	Y
6	ICIS 410-638082/2	12.5	5.170387	5.0	437153.0	0.413631	Y
7	IC 410-638082/4	20.0	8.496188	5.0	336701.0	0.424809	Y
8	IC 410-638082/3	30.0	12.817393	5.0	462999.0	0.427246	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

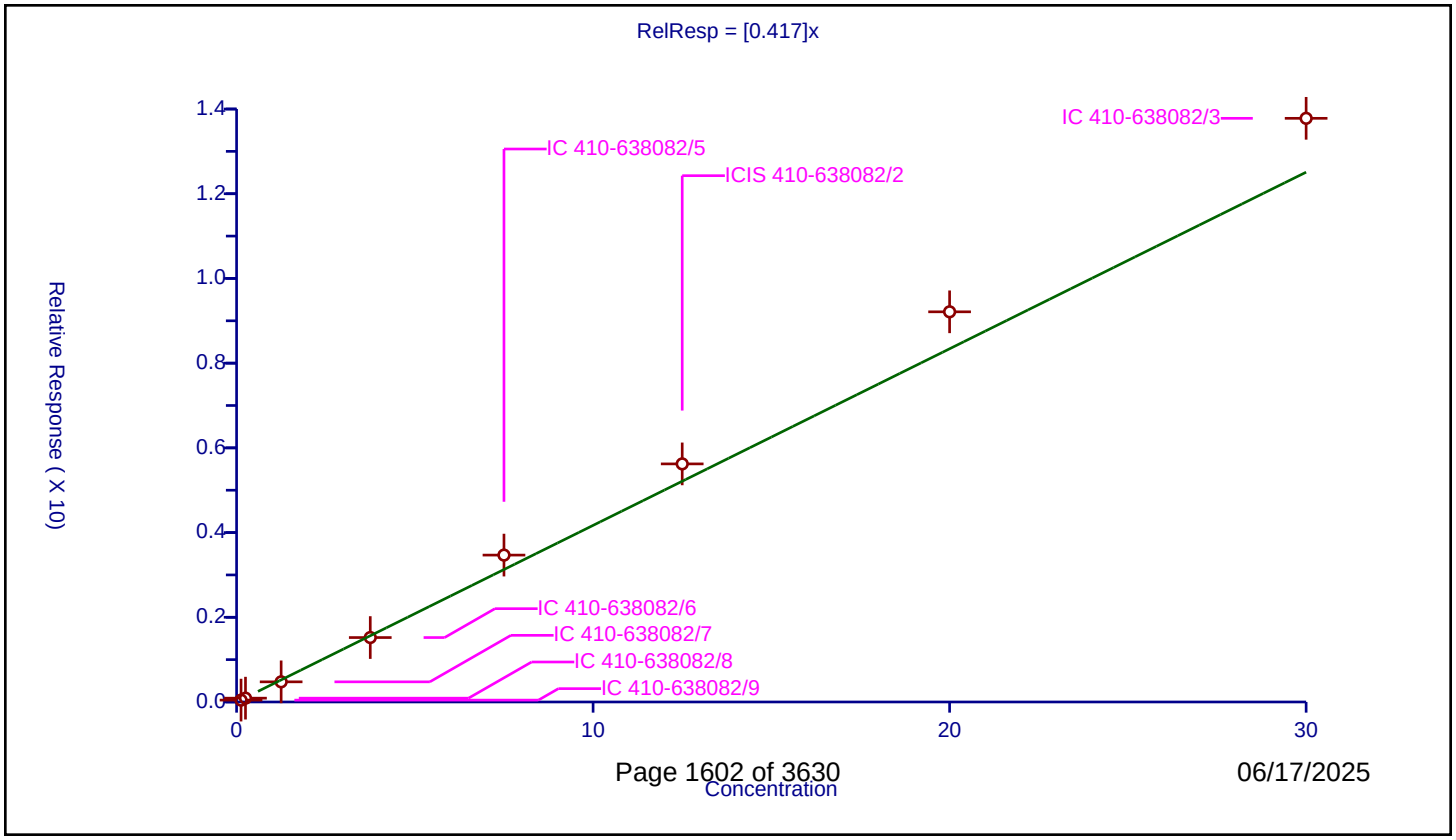
Curve Coefficients

Intercept:	0
Slope:	0.417

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.044555	5.0	269107.0	0.356438	Y
2	IC 410-638082/8	0.25	0.090261	5.0	312262.0	0.361043	Y
3	IC 410-638082/7	1.25	0.4754	5.0	370267.0	0.38032	Y
4	IC 410-638082/6	3.75	1.52172	5.0	327396.0	0.405792	Y
5	IC 410-638082/5	7.5	3.468036	5.0	381272.0	0.462405	Y
6	ICIS 410-638082/2	12.5	5.621624	5.0	437153.0	0.44973	Y
7	IC 410-638082/4	20.0	9.212194	5.0	336701.0	0.46061	Y
8	IC 410-638082/3	30.0	13.780095	5.0	462999.0	0.459336	Y



Calibration / 2-Fluorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

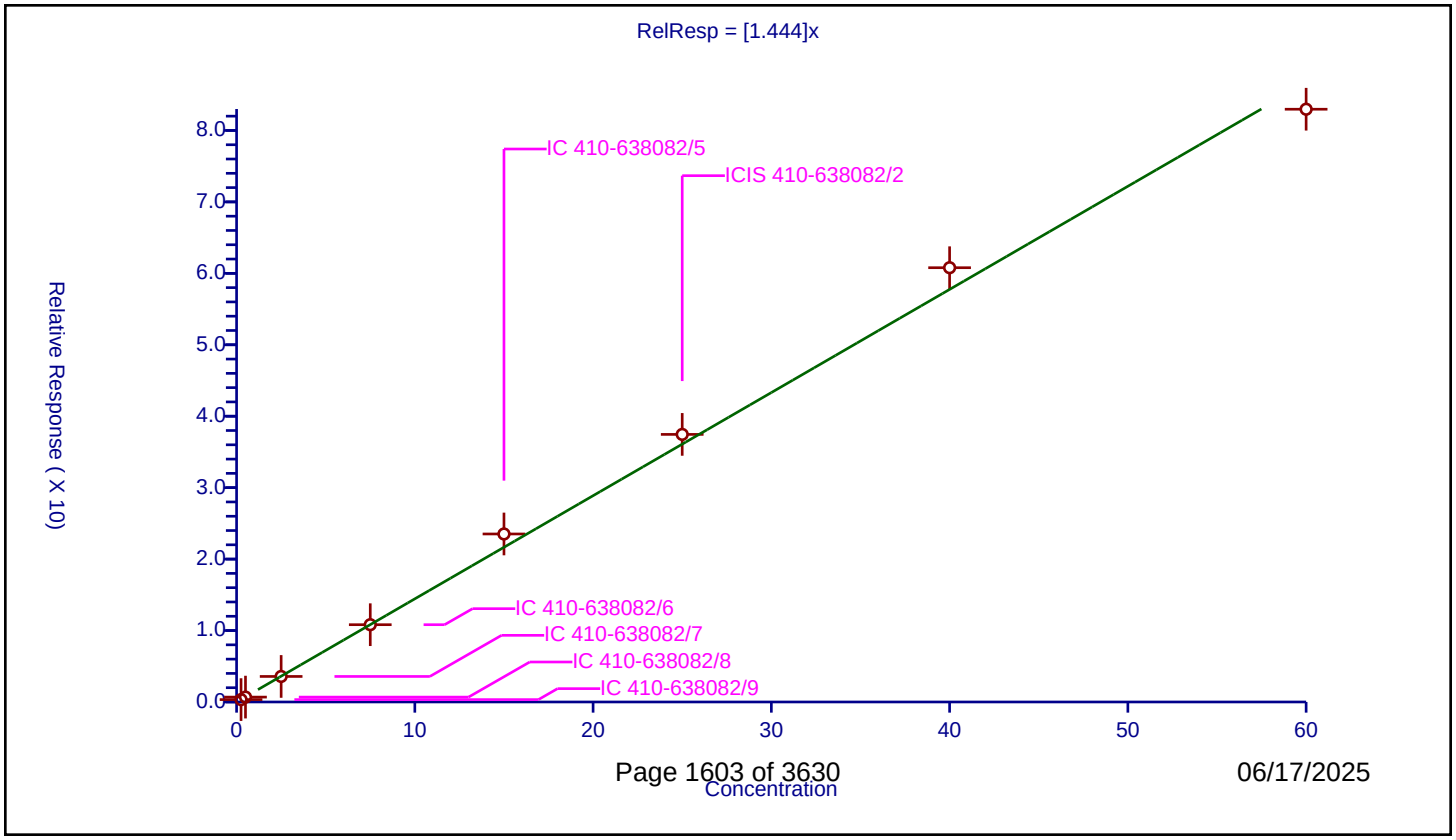
Curve Coefficients

Intercept:	0
Slope:	1.444

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.25	0.334662	5.0	269107.0	1.33865	Y
2	IC 410-638082/8	0.5	0.685034	5.0	312262.0	1.370067	Y
3	IC 410-638082/7	2.5	3.574758	5.0	370267.0	1.429903	Y
4	IC 410-638082/6	7.5	10.817664	5.0	327396.0	1.442355	Y
5	IC 410-638082/5	15.0	23.518669	5.0	381272.0	1.567911	Y
6	ICIS 410-638082/2	25.0	37.454347	5.0	437153.0	1.498174	Y
7	IC 410-638082/4	40.0	60.786009	5.0	336701.0	1.51965	Y
8	IC 410-638082/3	60.0	82.971162	5.0	462999.0	1.382853	Y



06/17/2025

Calibration / Isosafrole Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

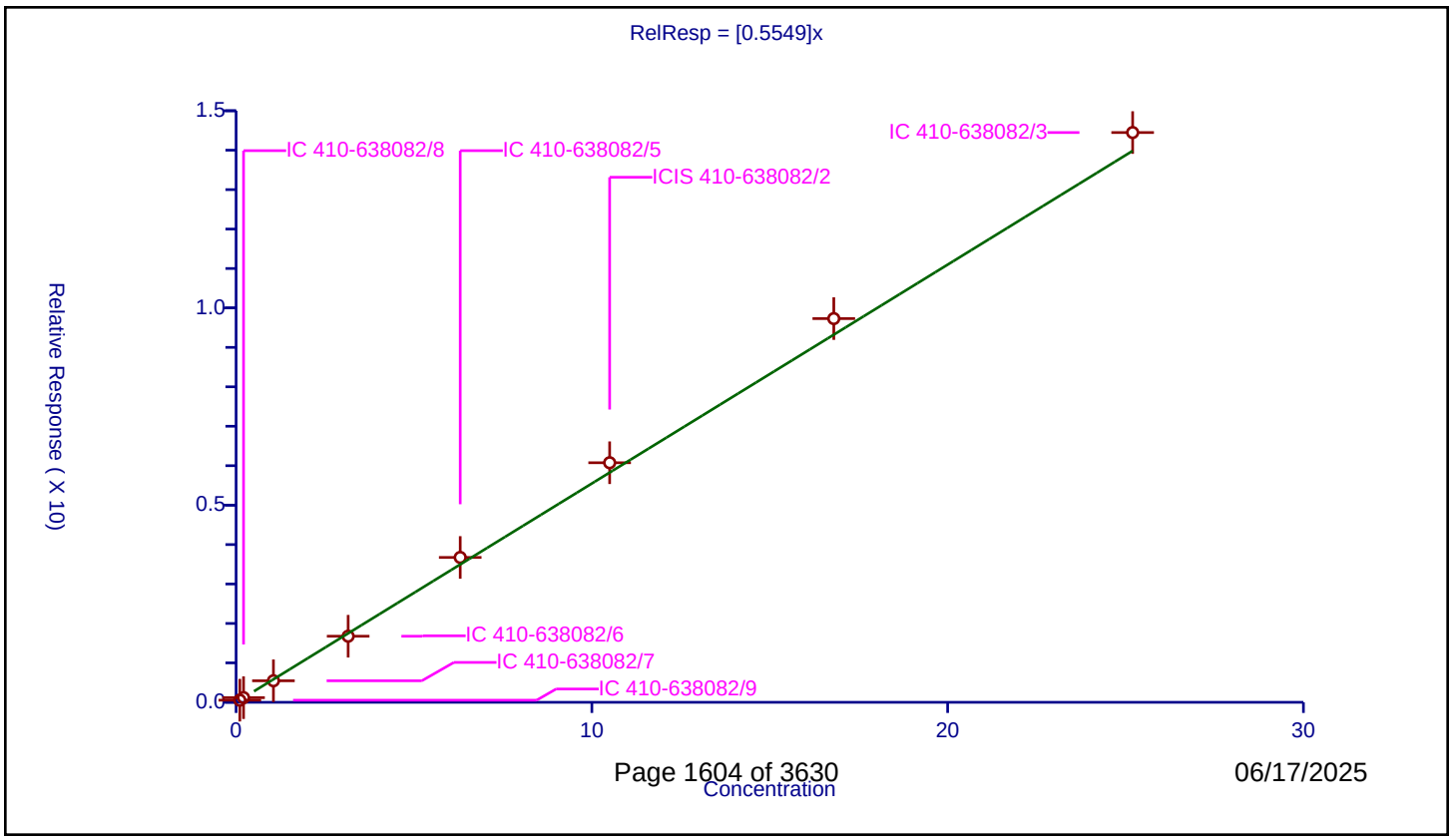
Curve Coefficients

Intercept:	0
Slope:	0.5549

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.105	0.053678	5.0	269107.0	0.511215	Y
2	IC 410-638082/8	0.21	0.117962	5.0	312262.0	0.561723	Y
3	IC 410-638082/7	1.05	0.54589	5.0	370267.0	0.519895	Y
4	IC 410-638082/6	3.15	1.676166	5.0	327396.0	0.532116	Y
5	IC 410-638082/5	6.3	3.67306	5.0	381272.0	0.583025	Y
6	ICIS 410-638082/2	10.5	6.07491	5.0	437153.0	0.578563	Y
7	IC 410-638082/4	16.8	9.729567	5.0	336701.0	0.579141	Y
8	IC 410-638082/3	25.2	14.447526	5.0	462999.0	0.573315	Y



Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

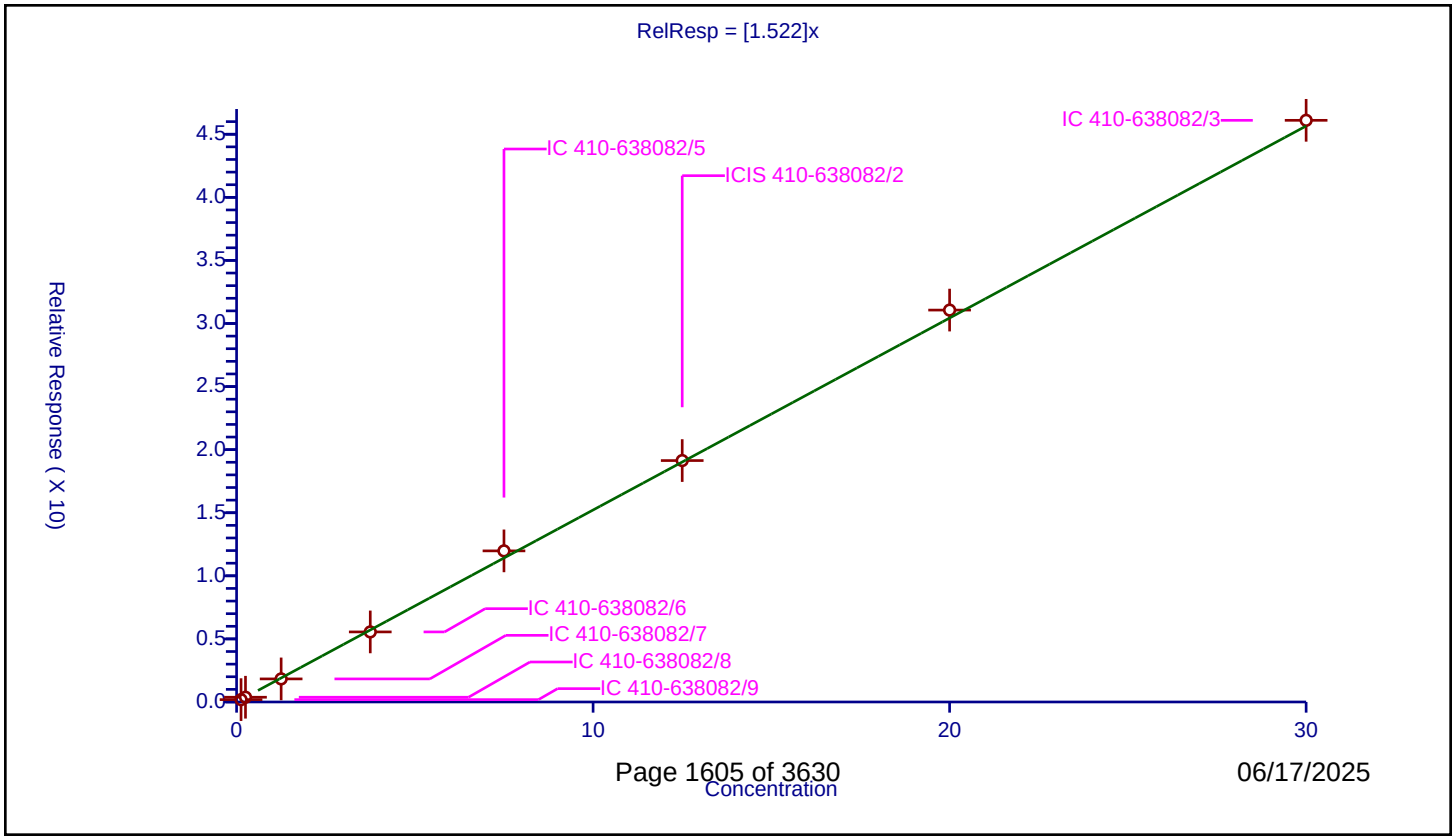
Curve Coefficients

Intercept:	0
Slope:	1.522

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.187732	5.0	269107.0	1.501856	Y
2	IC 410-638082/8	0.25	0.377728	5.0	312262.0	1.510911	Y
3	IC 410-638082/7	1.25	1.828788	5.0	370267.0	1.463031	Y
4	IC 410-638082/6	3.75	5.553321	5.0	327396.0	1.480886	Y
5	IC 410-638082/5	7.5	11.976738	5.0	381272.0	1.596898	Y
6	ICIS 410-638082/2	12.5	19.136138	5.0	437153.0	1.530891	Y
7	IC 410-638082/4	20.0	31.062218	5.0	336701.0	1.553111	Y
8	IC 410-638082/3	30.0	46.104398	5.0	462999.0	1.536813	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

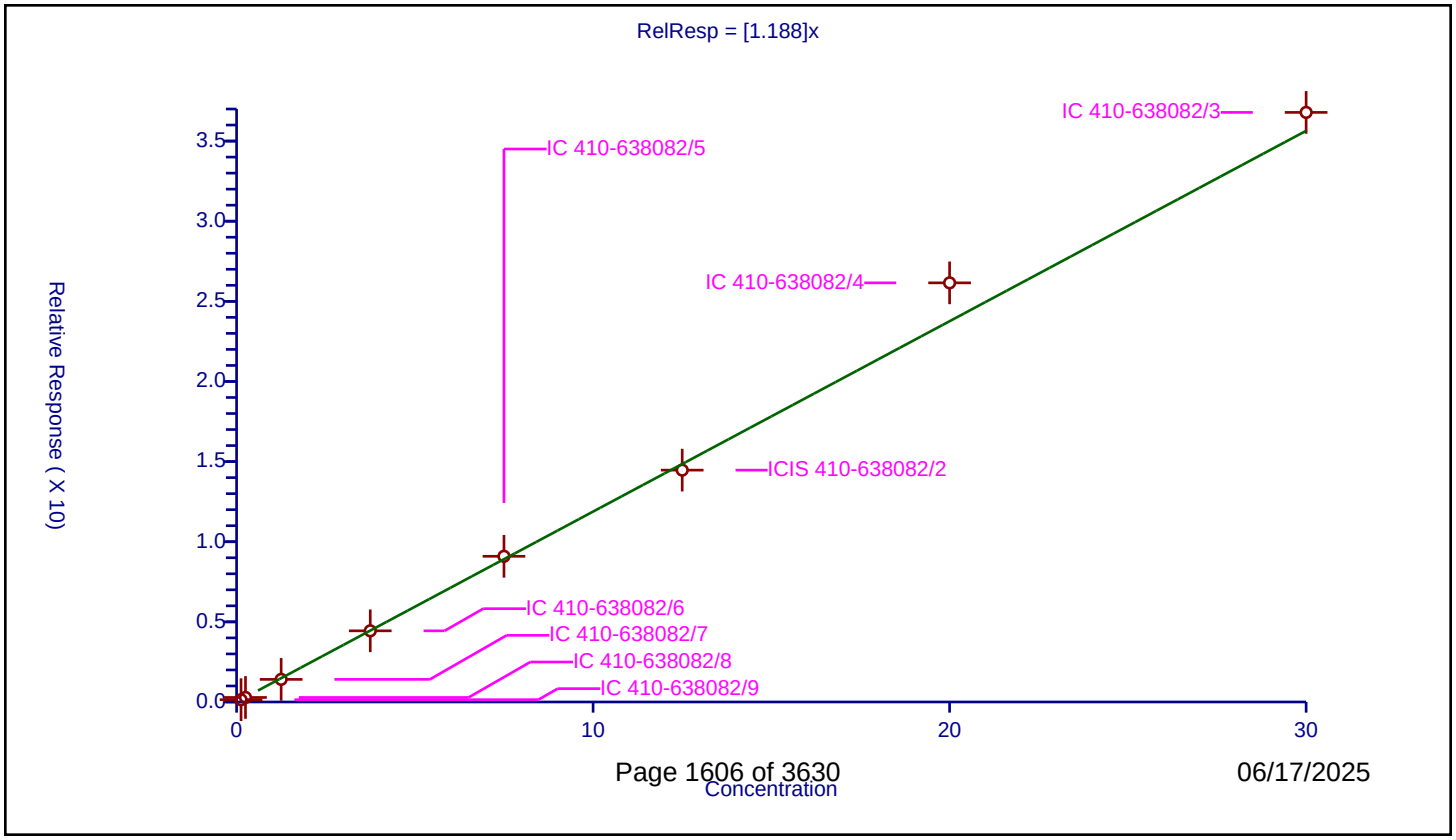
Curve Coefficients

Intercept:	0
Slope:	1.188

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.144701	5.0	269107.0	1.157606	Y
2	IC 410-638082/8	0.25	0.282631	5.0	312262.0	1.130525	Y
3	IC 410-638082/7	1.25	1.410482	5.0	370267.0	1.128386	Y
4	IC 410-638082/6	3.75	4.439547	5.0	327396.0	1.183879	Y
5	IC 410-638082/5	7.5	9.091213	5.0	381272.0	1.212162	Y
6	ICIS 410-638082/2	12.5	14.466583	5.0	437153.0	1.157327	Y
7	IC 410-638082/4	20.0	26.152625	5.0	336701.0	1.307631	Y
8	IC 410-638082/3	30.0	36.789453	5.0	462999.0	1.226315	Y



Calibration / 1-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

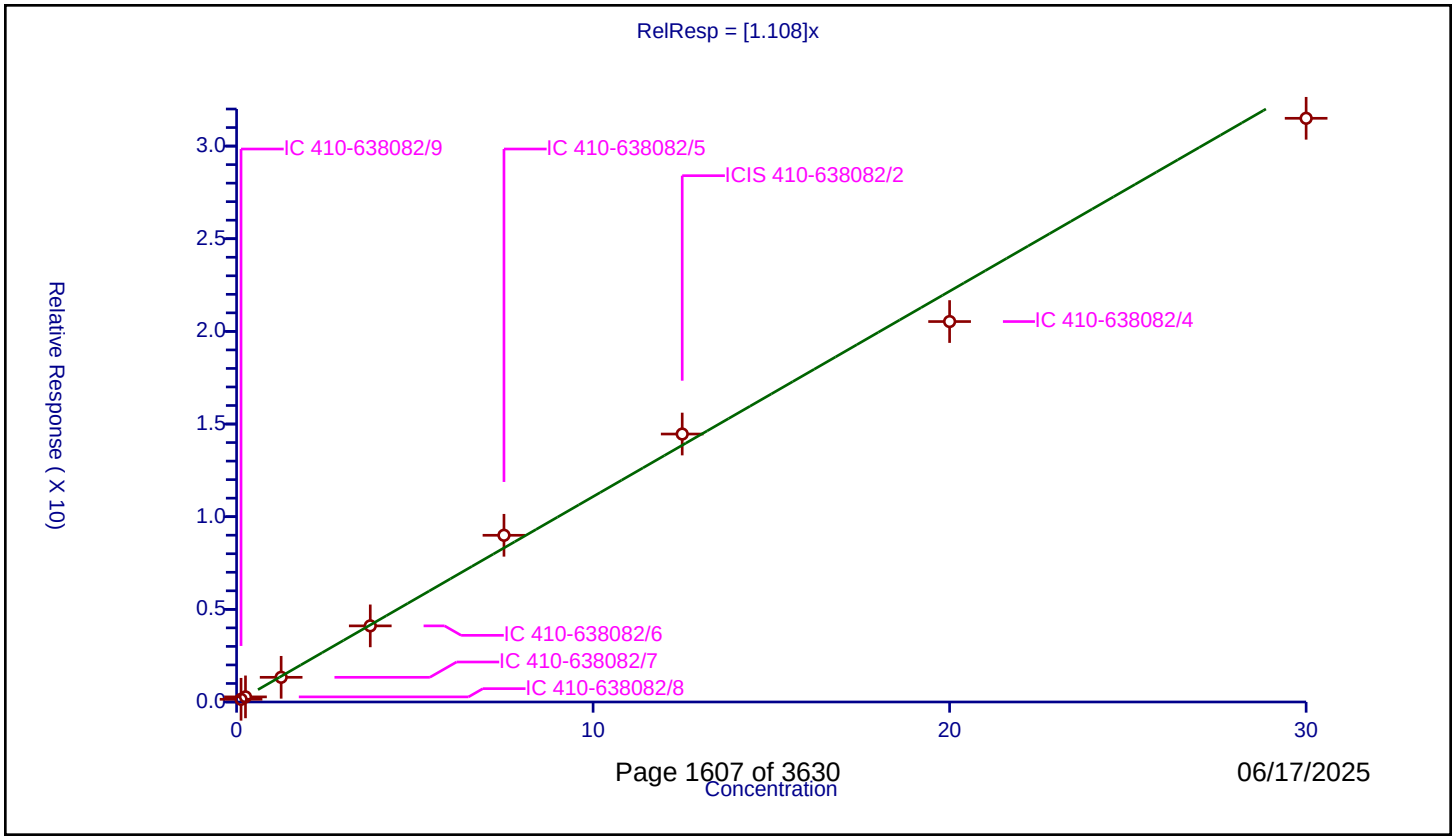
Curve Coefficients

Intercept:	0
Slope:	1.108

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.146094	5.0	269107.0	1.168754	Y
2	IC 410-638082/8	0.25	0.276066	5.0	312262.0	1.104265	Y
3	IC 410-638082/7	1.25	1.331499	5.0	370267.0	1.065199	Y
4	IC 410-638082/6	3.75	4.108343	5.0	327396.0	1.095558	Y
5	IC 410-638082/5	7.5	8.996989	5.0	381272.0	1.199599	Y
6	ICIS 410-638082/2	12.5	14.459903	5.0	437153.0	1.156792	Y
7	IC 410-638082/4	20.0	20.531109	5.0	336701.0	1.026555	Y
8	IC 410-638082/3	30.0	31.498729	5.0	462999.0	1.049958	Y



Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

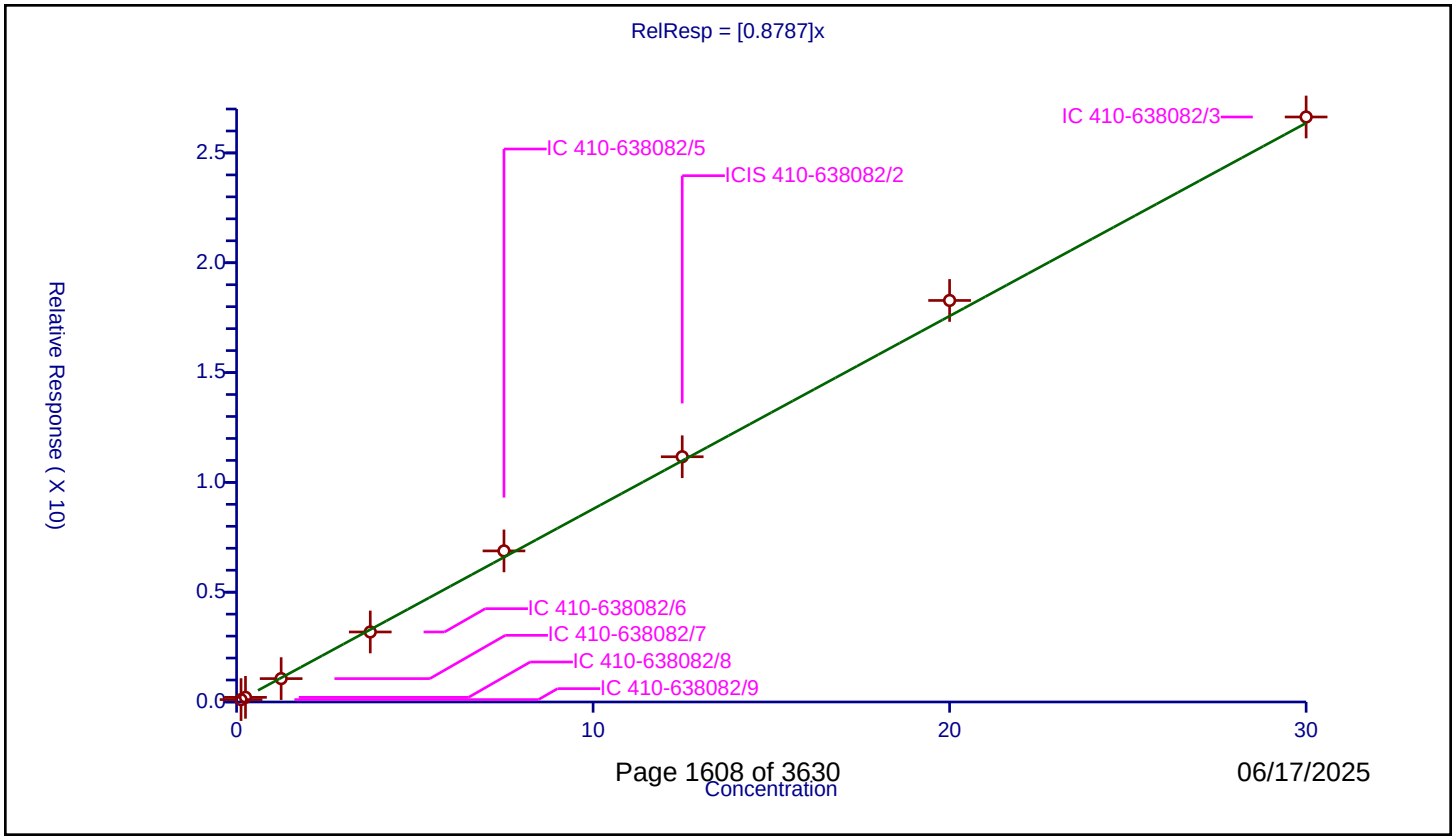
Curve Coefficients

Intercept:	0
Slope:	0.8787

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.108656	5.0	269107.0	0.869245	Y
2	IC 410-638082/8	0.25	0.211425	5.0	312262.0	0.8457	Y
3	IC 410-638082/7	1.25	1.06484	5.0	370267.0	0.851872	Y
4	IC 410-638082/6	3.75	3.188035	5.0	327396.0	0.850143	Y
5	IC 410-638082/5	7.5	6.878895	5.0	381272.0	0.917186	Y
6	ICIS 410-638082/2	12.5	11.166834	5.0	437153.0	0.893347	Y
7	IC 410-638082/4	20.0	18.283551	5.0	336701.0	0.914178	Y
8	IC 410-638082/3	30.0	26.636343	5.0	462999.0	0.887878	Y



06/17/2025

Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

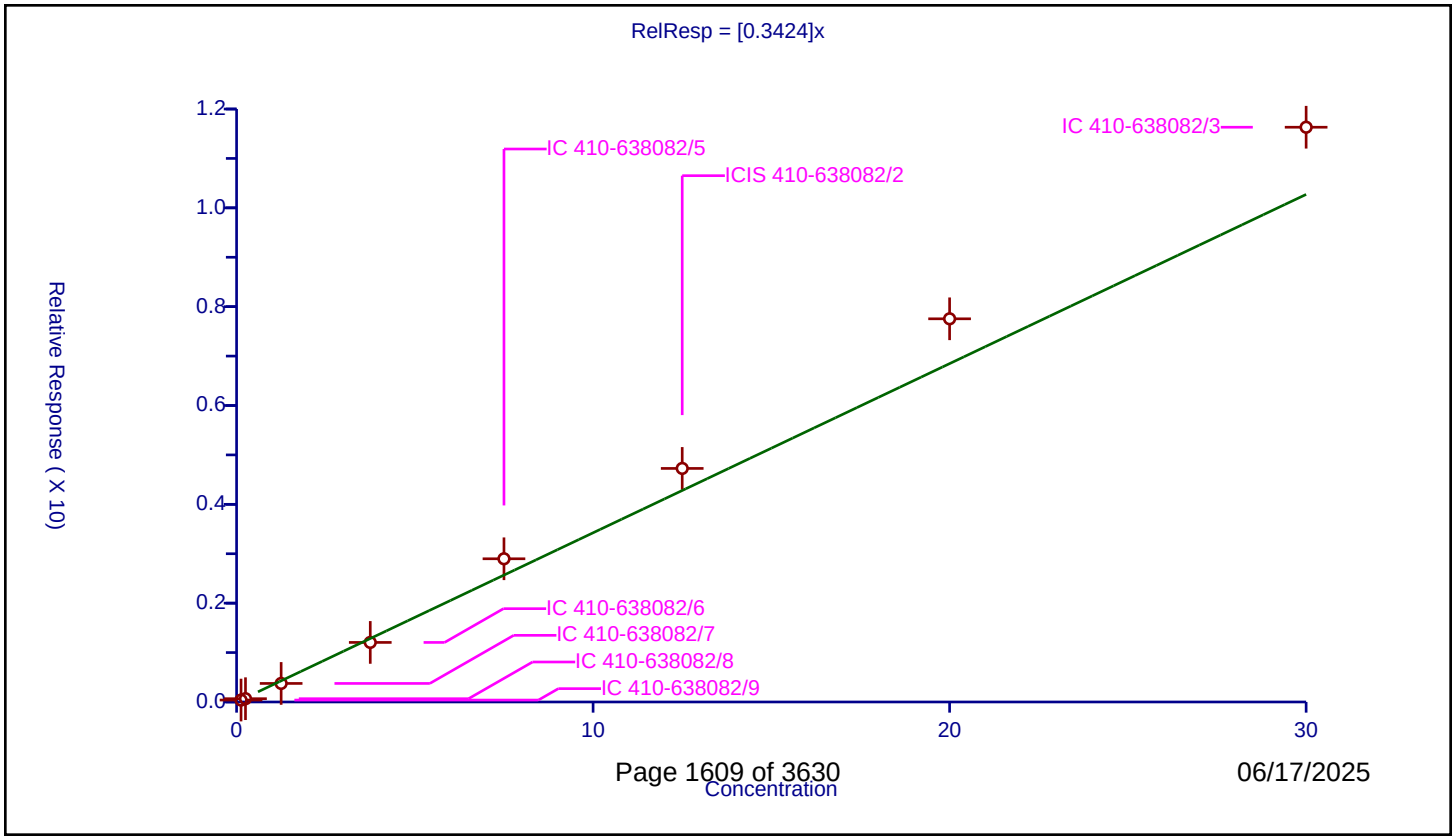
Curve Coefficients

Intercept:	0
Slope:	0.3424

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.038906	5.0	269107.0	0.311252	Y
2	IC 410-638082/8	0.25	0.066547	5.0	312262.0	0.266187	Y
3	IC 410-638082/7	1.25	0.375256	5.0	370267.0	0.300205	Y
4	IC 410-638082/6	3.75	1.205513	5.0	327396.0	0.32147	Y
5	IC 410-638082/5	7.5	2.898023	5.0	381272.0	0.386403	Y
6	ICIS 410-638082/2	12.5	4.726698	5.0	437153.0	0.378136	Y
7	IC 410-638082/4	20.0	7.75461	5.0	336701.0	0.387731	Y
8	IC 410-638082/3	30.0	11.631213	5.0	462999.0	0.387707	Y



Calibration / 1,4-Naphthoquinone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

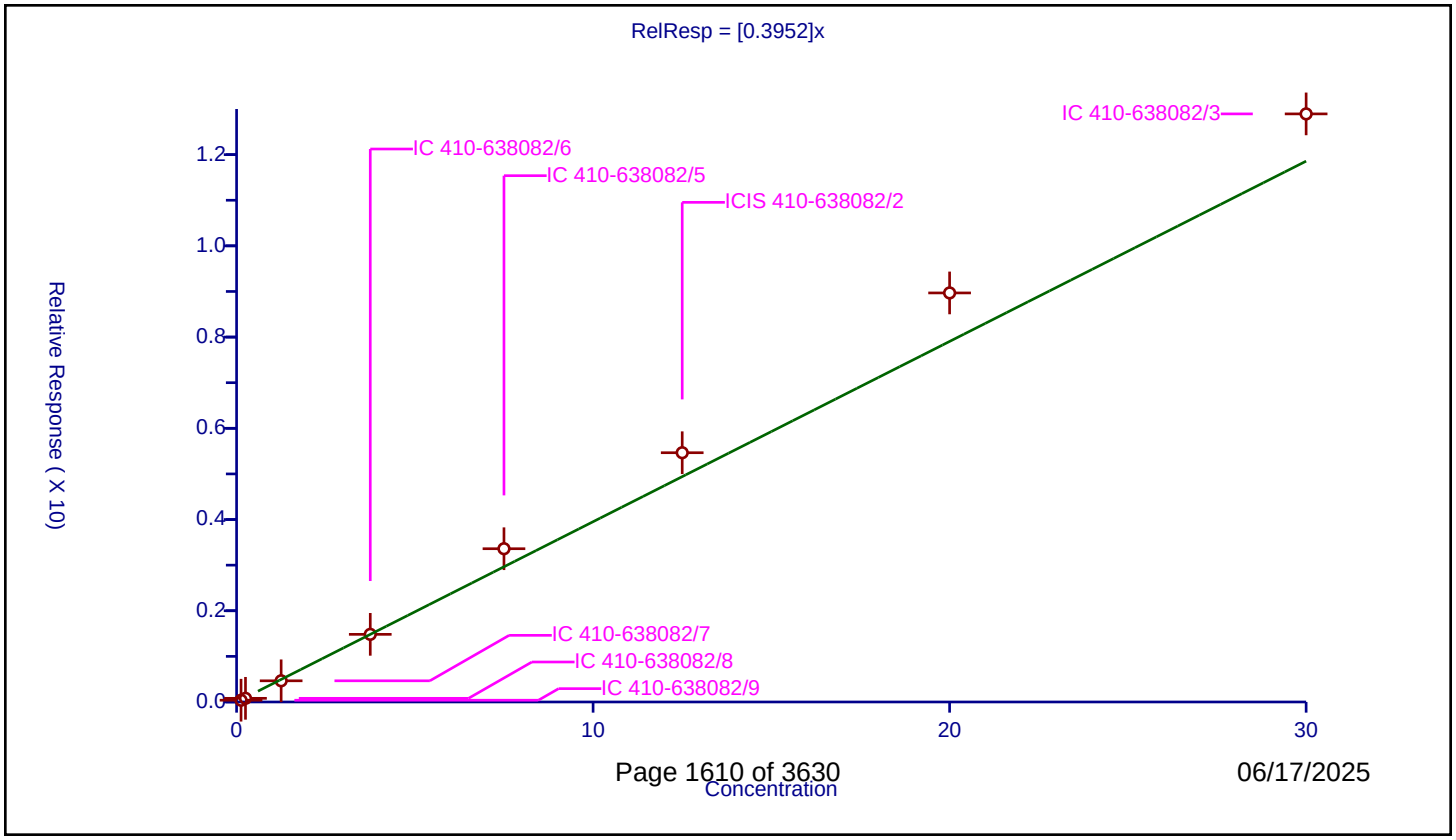
Curve Coefficients

Intercept:	0
Slope:	0.3952

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.038776	5.0	269107.0	0.310211	Y
2	IC 410-638082/8	0.25	0.080333	5.0	312262.0	0.321333	Y
3	IC 410-638082/7	1.25	0.464341	5.0	370267.0	0.371472	Y
4	IC 410-638082/6	3.75	1.482944	5.0	327396.0	0.395452	Y
5	IC 410-638082/5	7.5	3.360213	5.0	381272.0	0.448028	Y
6	ICIS 410-638082/2	12.5	5.464586	5.0	437153.0	0.437167	Y
7	IC 410-638082/4	20.0	8.96809	5.0	336701.0	0.448405	Y
8	IC 410-638082/3	30.0	12.892998	5.0	462999.0	0.429767	Y



Calibration / 1,4-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

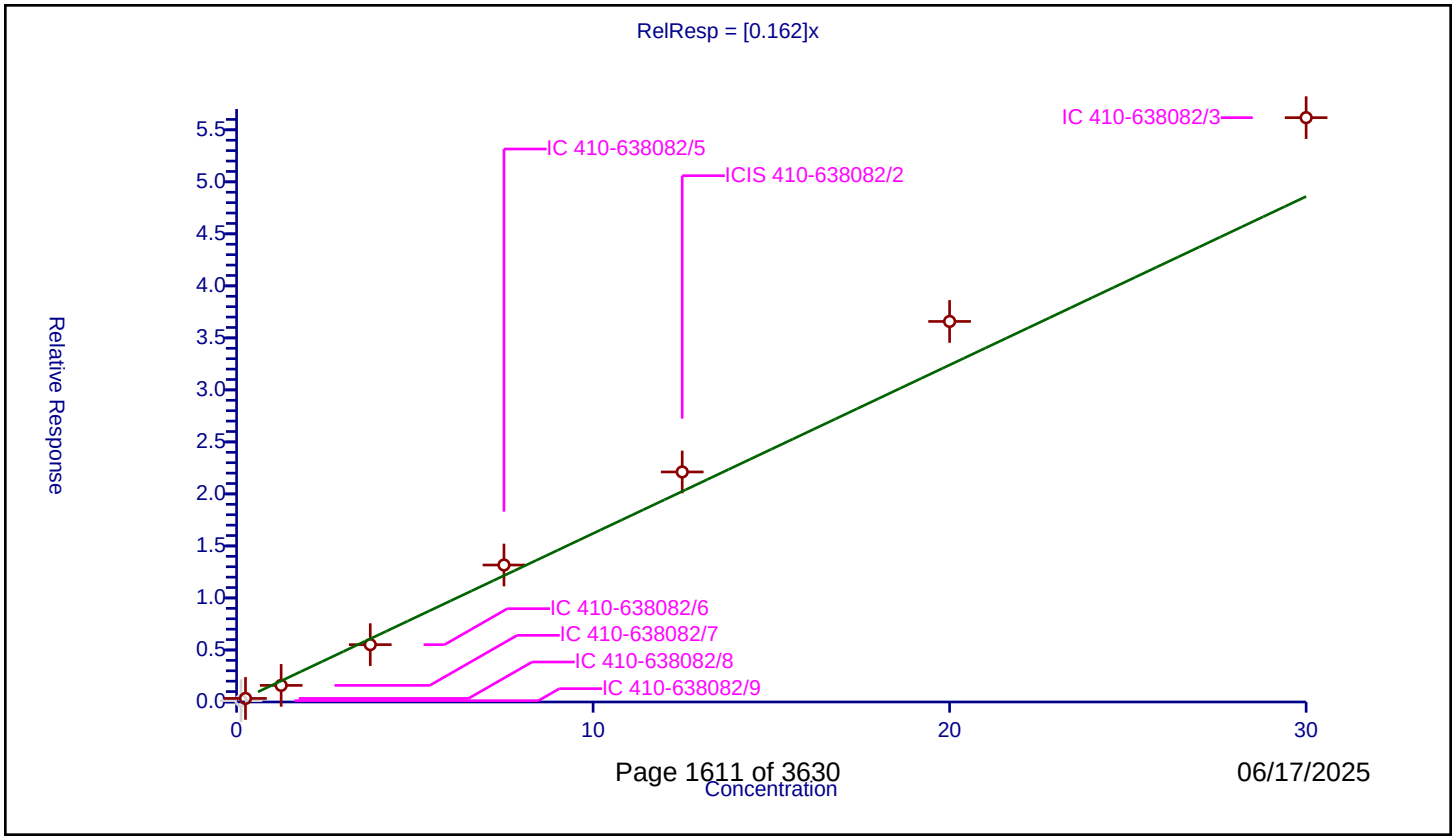
Curve Coefficients

Intercept:	0
Slope:	0.162

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.012746	5.0	269107.0	0.101967	N
2	IC 410-638082/8	0.25	0.034154	5.0	312262.0	0.136616	Y
3	IC 410-638082/7	1.25	0.159493	5.0	370267.0	0.127594	Y
4	IC 410-638082/6	3.75	0.55132	5.0	327396.0	0.147019	Y
5	IC 410-638082/5	7.5	1.316672	5.0	381272.0	0.175556	Y
6	ICIS 410-638082/2	12.5	2.21132	5.0	437153.0	0.176906	Y
7	IC 410-638082/4	20.0	3.658023	5.0	336701.0	0.182901	Y
8	IC 410-638082/3	30.0	5.61688	5.0	462999.0	0.187229	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

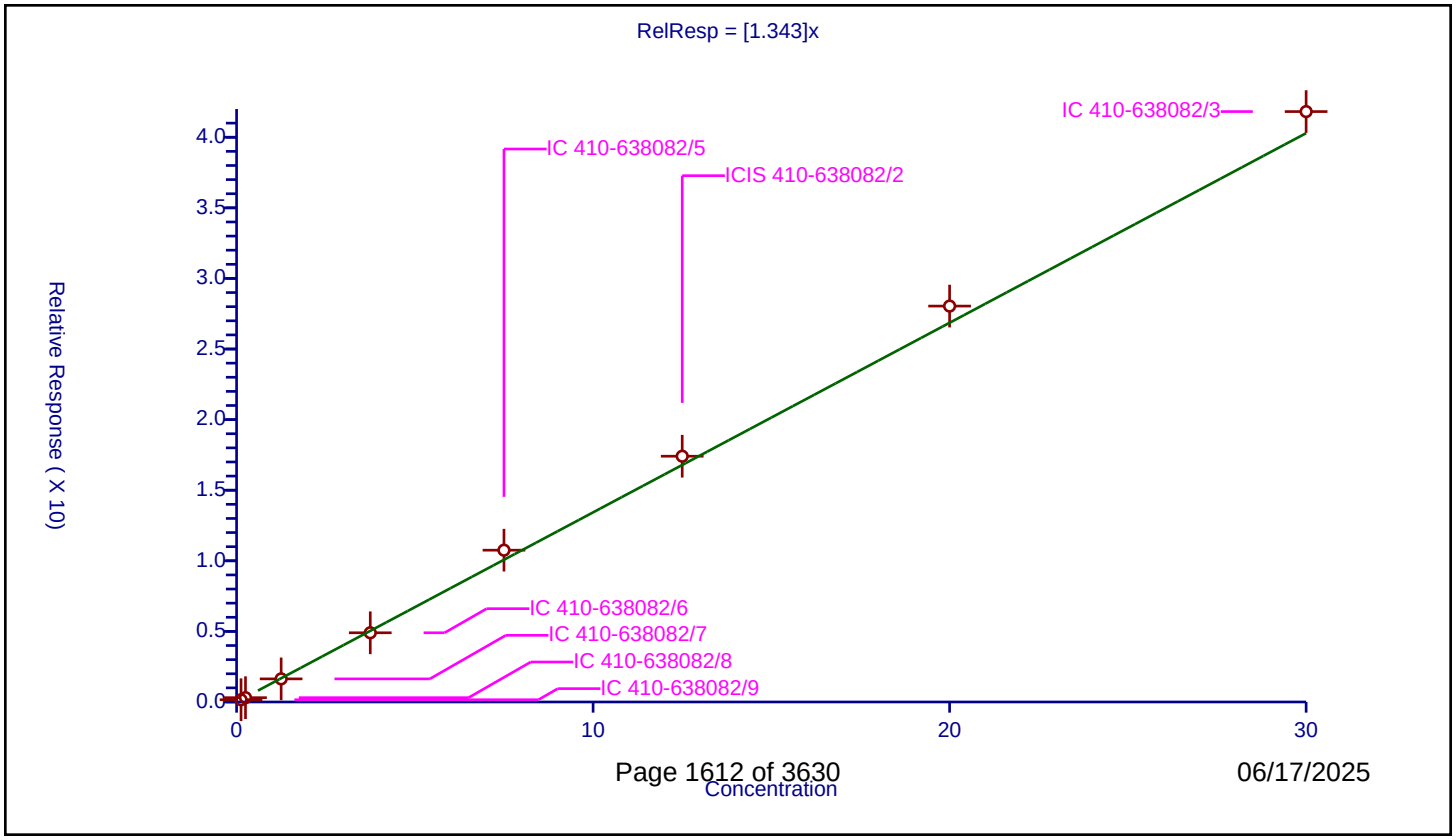
Curve Coefficients

Intercept:	0
Slope:	1.343

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.160475	5.0	269107.0	1.283802	Y
2	IC 410-638082/8	0.25	0.305353	5.0	312262.0	1.22141	Y
3	IC 410-638082/7	1.25	1.636495	5.0	370267.0	1.309196	Y
4	IC 410-638082/6	3.75	4.901908	5.0	327396.0	1.307175	Y
5	IC 410-638082/5	7.5	10.752455	5.0	381272.0	1.433661	Y
6	ICIS 410-638082/2	12.5	17.407624	5.0	437153.0	1.39261	Y
7	IC 410-638082/4	20.0	28.041036	5.0	336701.0	1.402052	Y
8	IC 410-638082/3	30.0	41.818114	5.0	462999.0	1.393937	Y



Calibration / 1,3-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

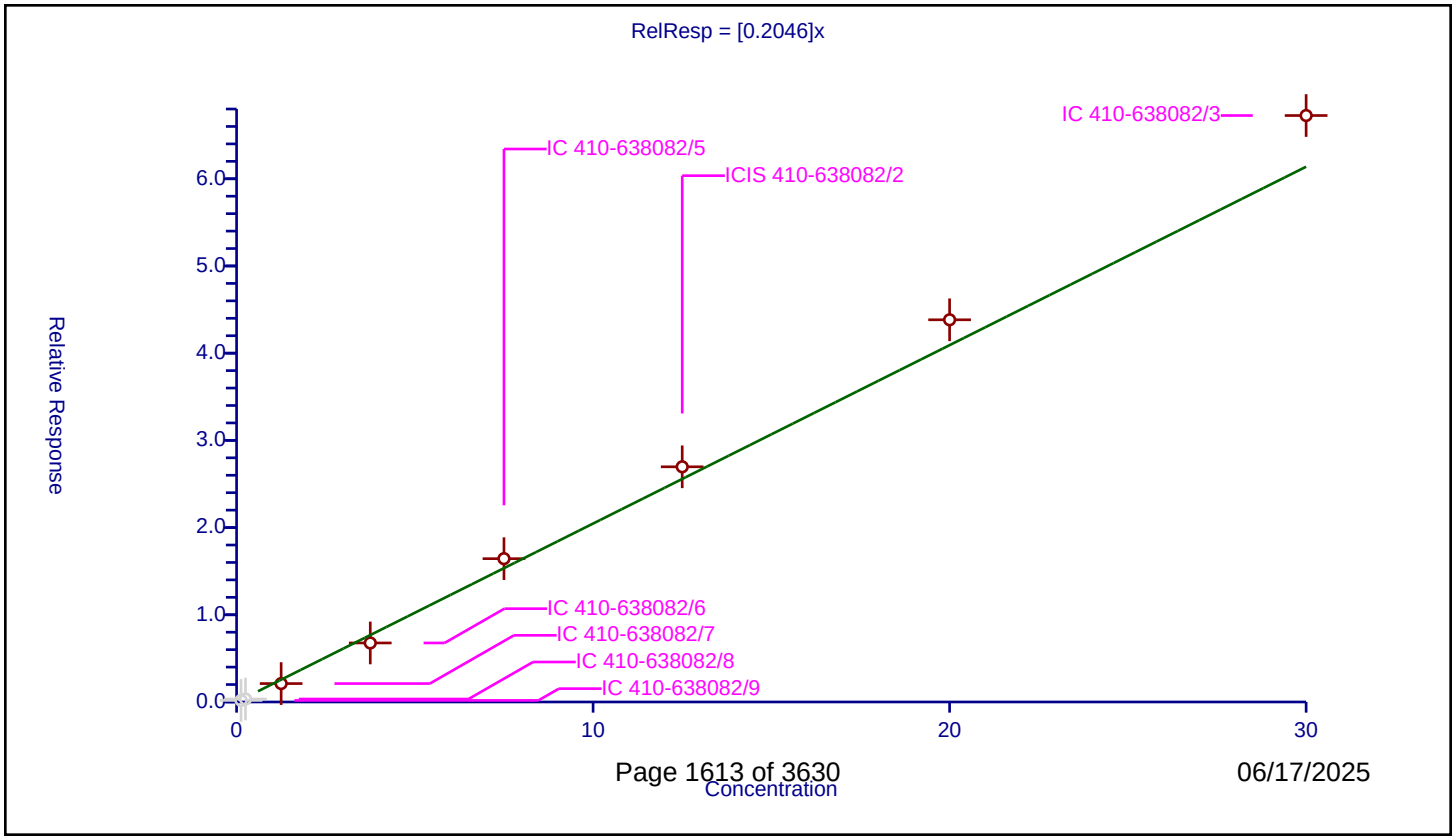
Curve Coefficients

Intercept:	0
Slope:	0.2046

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.018283	5.0	269107.0	0.146262	N
2	IC 410-638082/8	0.25	0.03401	5.0	312262.0	0.13604	N
3	IC 410-638082/7	1.25	0.211158	5.0	370267.0	0.168927	Y
4	IC 410-638082/6	3.75	0.676749	5.0	327396.0	0.180466	Y
5	IC 410-638082/5	7.5	1.643643	5.0	381272.0	0.219152	Y
6	ICIS 410-638082/2	12.5	2.697145	5.0	437153.0	0.215772	Y
7	IC 410-638082/4	20.0	4.382984	5.0	336701.0	0.219149	Y
8	IC 410-638082/3	30.0	6.725338	5.0	462999.0	0.224178	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

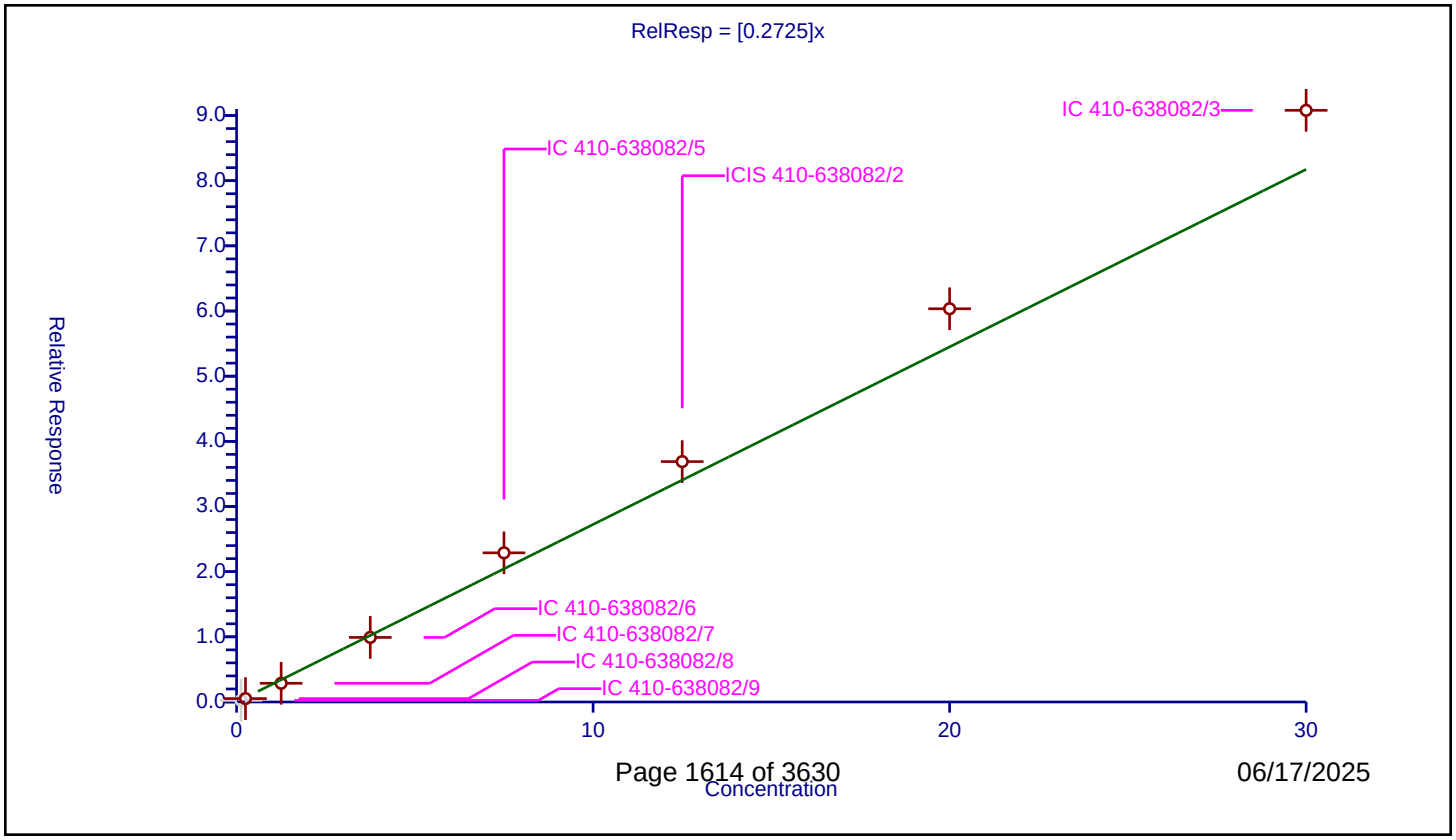
Curve Coefficients

Intercept:	0
Slope:	0.2725

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.025176	5.0	269107.0	0.201407	N
2	IC 410-638082/8	0.25	0.05212	5.0	312262.0	0.208479	Y
3	IC 410-638082/7	1.25	0.287063	5.0	370267.0	0.22965	Y
4	IC 410-638082/6	3.75	0.991078	5.0	327396.0	0.264287	Y
5	IC 410-638082/5	7.5	2.289179	5.0	381272.0	0.305224	Y
6	ICIS 410-638082/2	12.5	3.689177	5.0	437153.0	0.295134	Y
7	IC 410-638082/4	20.0	6.034835	5.0	336701.0	0.301742	Y
8	IC 410-638082/3	30.0	9.079901	5.0	462999.0	0.302663	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

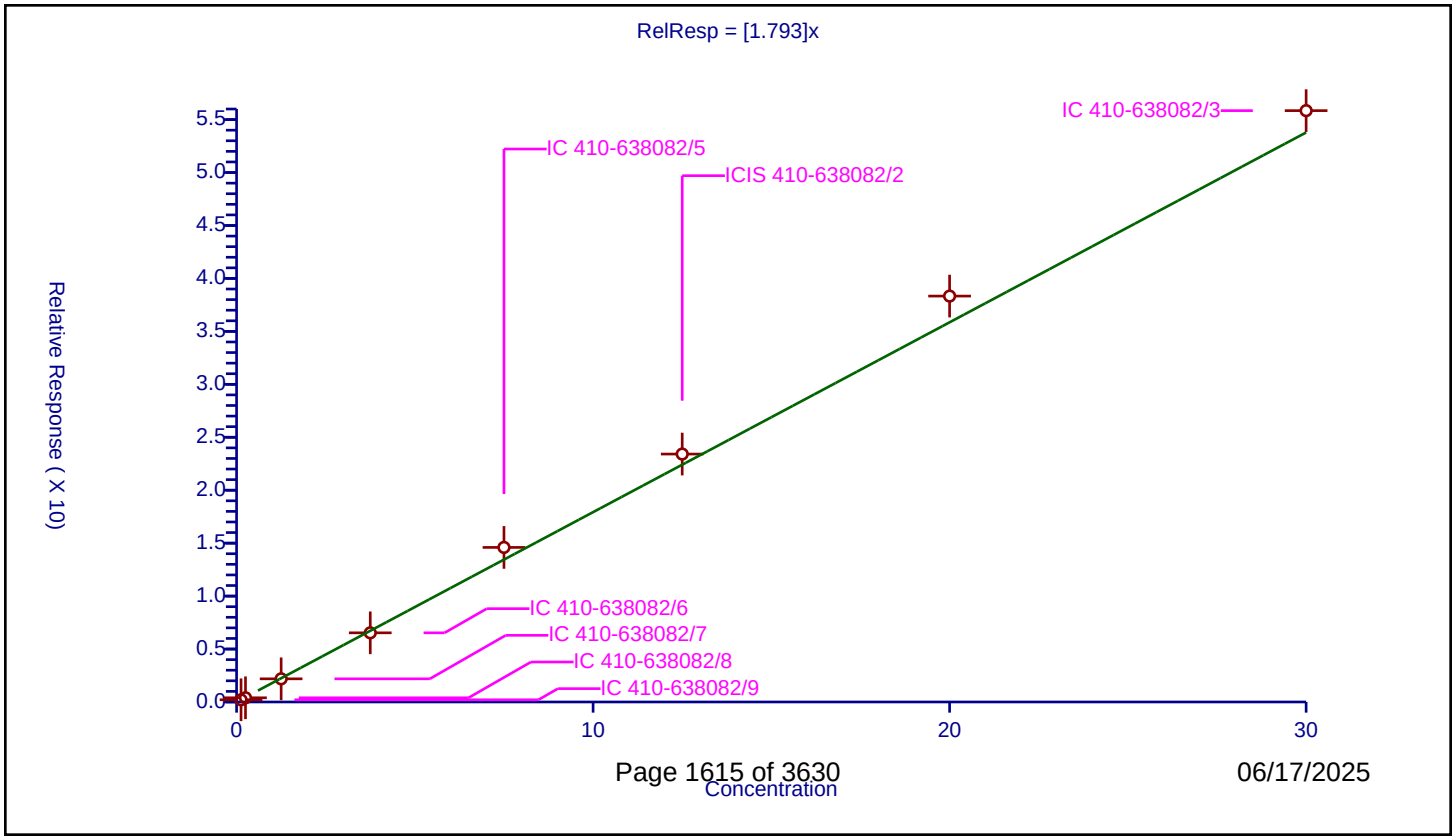
Curve Coefficients

Intercept:	0
Slope:	1.793

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.207854	5.0	269107.0	1.662833	Y
2	IC 410-638082/8	0.25	0.397711	5.0	312262.0	1.590844	Y
3	IC 410-638082/7	1.25	2.186193	5.0	370267.0	1.748954	Y
4	IC 410-638082/6	3.75	6.531158	5.0	327396.0	1.741642	Y
5	IC 410-638082/5	7.5	14.598528	5.0	381272.0	1.94647	Y
6	ICIS 410-638082/2	12.5	23.415212	5.0	437153.0	1.873217	Y
7	IC 410-638082/4	20.0	38.333507	5.0	336701.0	1.916675	Y
8	IC 410-638082/3	30.0	55.846255	5.0	462999.0	1.861542	Y



Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

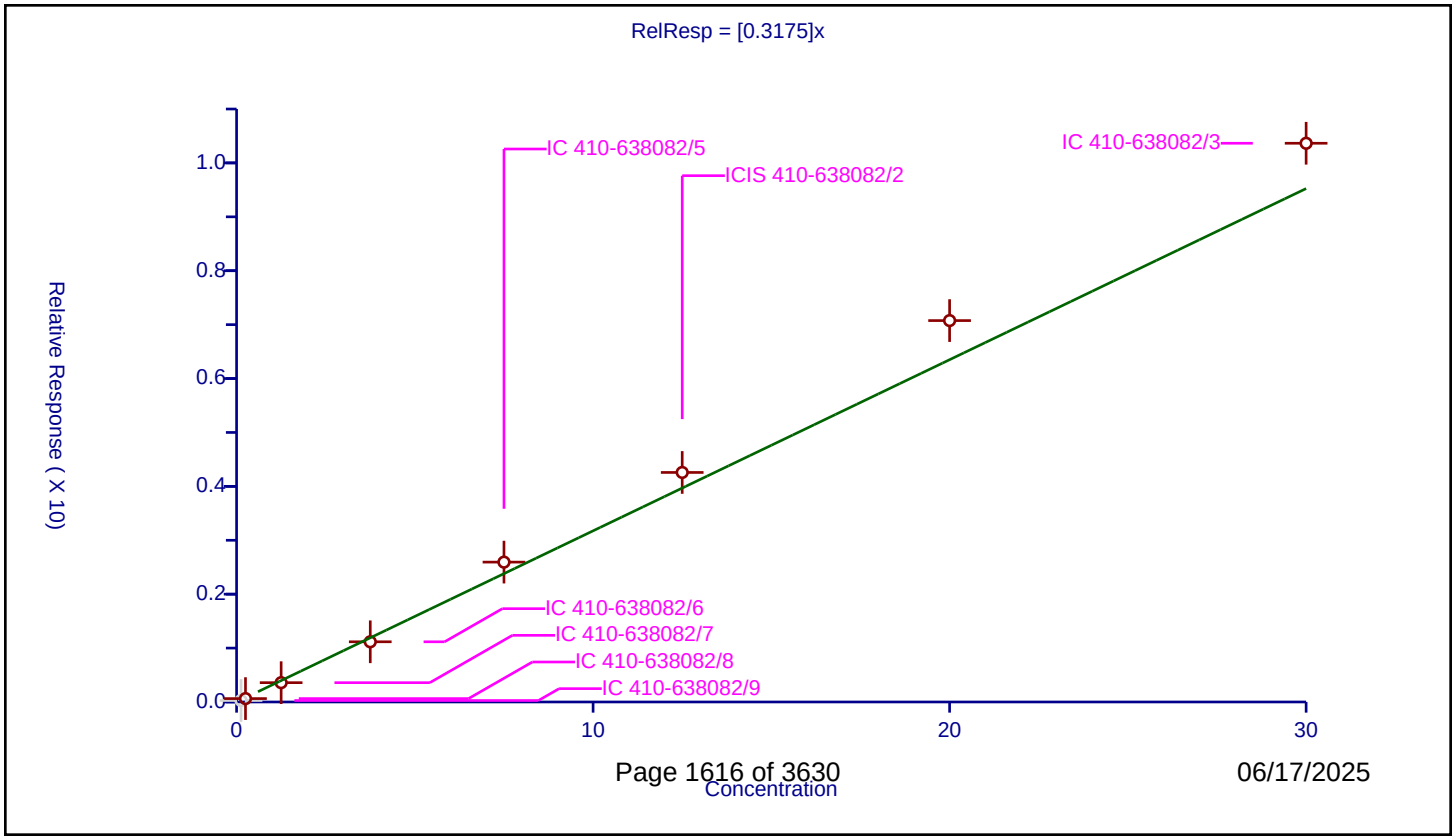
Curve Coefficients

Intercept:	0
Slope:	0.3175

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.027573	5.0	269107.0	0.220581	N
2	IC 410-638082/8	0.25	0.063024	5.0	312262.0	0.252096	Y
3	IC 410-638082/7	1.25	0.358282	5.0	370267.0	0.286626	Y
4	IC 410-638082/6	3.75	1.116736	5.0	327396.0	0.297796	Y
5	IC 410-638082/5	7.5	2.594604	5.0	381272.0	0.345947	Y
6	ICIS 410-638082/2	12.5	4.25812	5.0	437153.0	0.34065	Y
7	IC 410-638082/4	20.0	7.075358	5.0	336701.0	0.353768	Y
8	IC 410-638082/3	30.0	10.36458	5.0	462999.0	0.345486	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

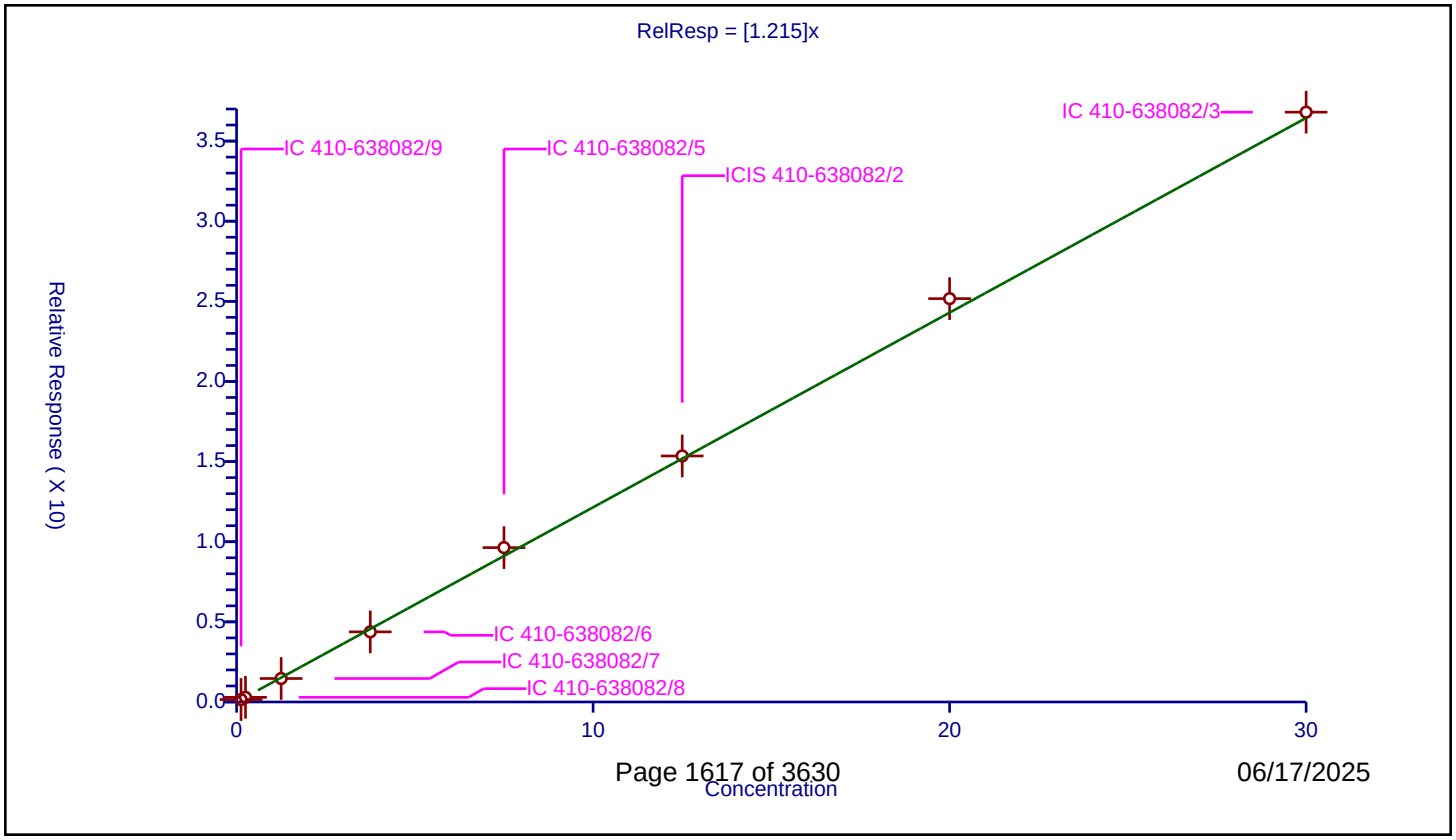
Curve Coefficients

Intercept:	0
Slope:	1.215

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.152857	5.0	269107.0	1.222859	Y
2	IC 410-638082/8	0.25	0.289853	5.0	312262.0	1.159411	Y
3	IC 410-638082/7	1.25	1.464281	5.0	370267.0	1.171425	Y
4	IC 410-638082/6	3.75	4.375863	5.0	327396.0	1.166897	Y
5	IC 410-638082/5	7.5	9.631877	5.0	381272.0	1.28425	Y
6	ICIS 410-638082/2	12.5	15.350735	5.0	437153.0	1.228059	Y
7	IC 410-638082/4	20.0	25.170255	5.0	336701.0	1.258513	Y
8	IC 410-638082/3	30.0	36.803935	5.0	462999.0	1.226798	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

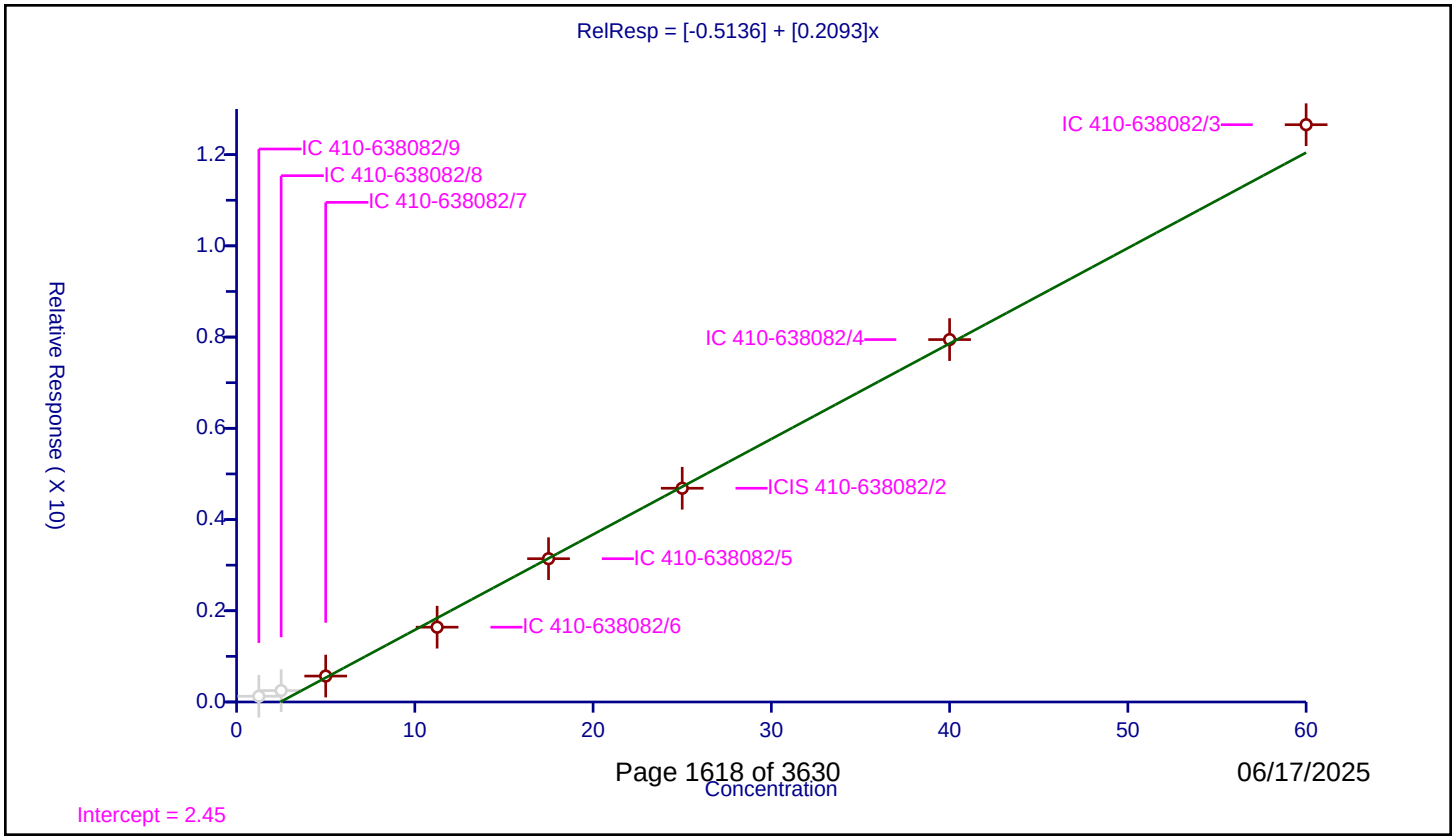
Curve Coefficients

Intercept:	-0.5136
Slope:	0.2093

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	1.25	0.125805	5.0	269107.0	0.100644	N
2	IC 410-638082/8	2.5	0.250559	5.0	312262.0	0.100224	N
3	IC 410-638082/7	5.0	0.568833	5.0	370267.0	0.113767	Y
4	IC 410-638082/6	11.25	1.640185	5.0	327396.0	0.145794	Y
5	IC 410-638082/5	17.5	3.141681	5.0	381272.0	0.179525	Y
6	ICIS 410-638082/2	25.0	4.686082	5.0	437153.0	0.187443	Y
7	IC 410-638082/4	40.0	7.945254	5.0	336701.0	0.198631	Y
8	IC 410-638082/3	60.0	12.656453	5.0	462999.0	0.210941	Y



Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

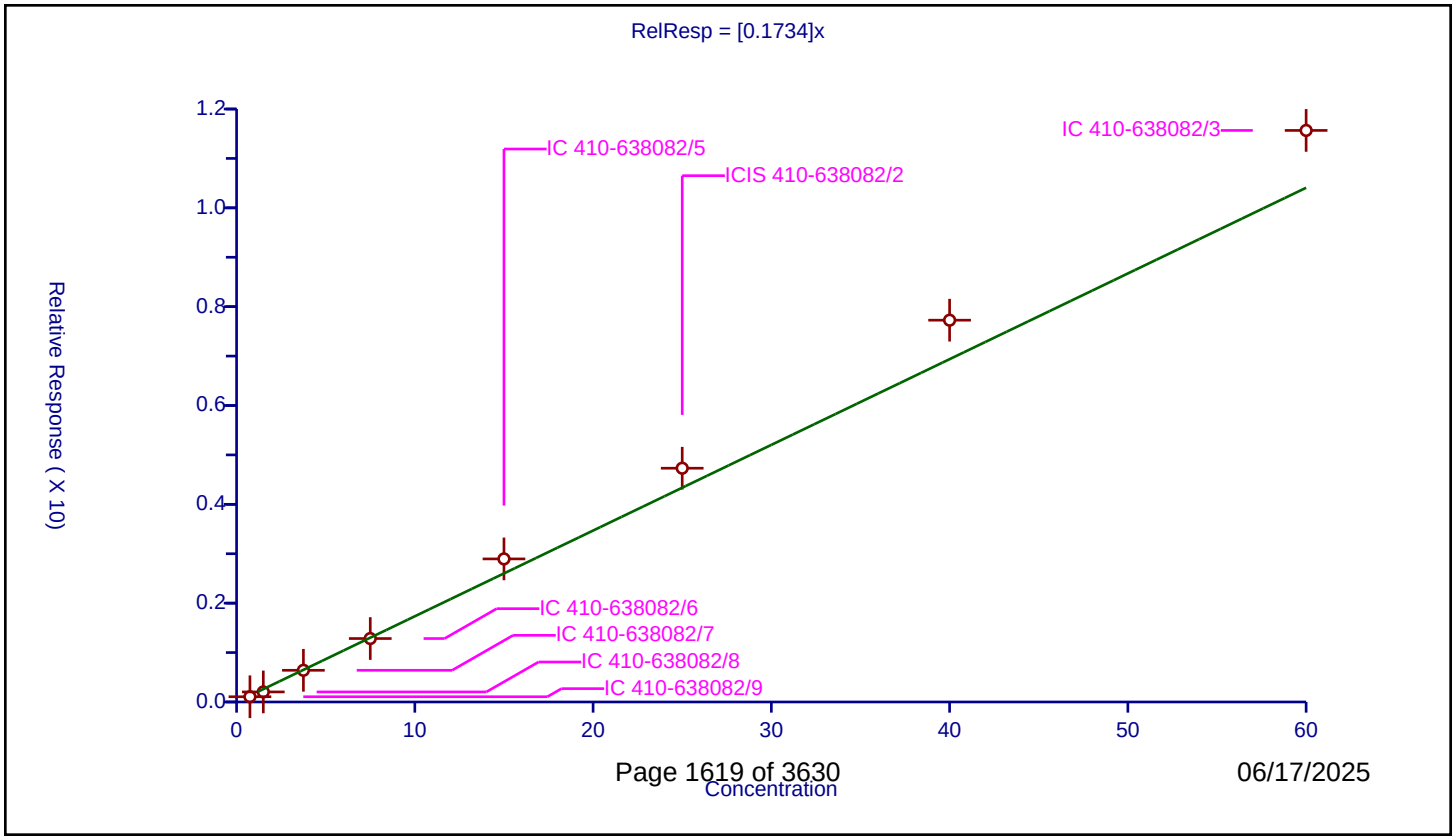
Curve Coefficients

Intercept:	0
Slope:	0.1734

Error Coefficients

Relative Standard Deviation:	13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.75	0.105832	5.0	269107.0	0.141109	Y
2	IC 410-638082/8	1.5	0.203819	5.0	312262.0	0.135879	Y
3	IC 410-638082/7	3.75	0.641564	5.0	370267.0	0.171084	Y
4	IC 410-638082/6	7.5	1.284362	5.0	327396.0	0.171248	Y
5	IC 410-638082/5	15.0	2.895544	5.0	381272.0	0.193036	Y
6	ICIS 410-638082/2	25.0	4.730895	5.0	437153.0	0.189236	Y
7	IC 410-638082/4	40.0	7.726484	5.0	336701.0	0.193162	Y
8	IC 410-638082/3	60.0	11.566548	5.0	462999.0	0.192776	Y



Calibration / Pentachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

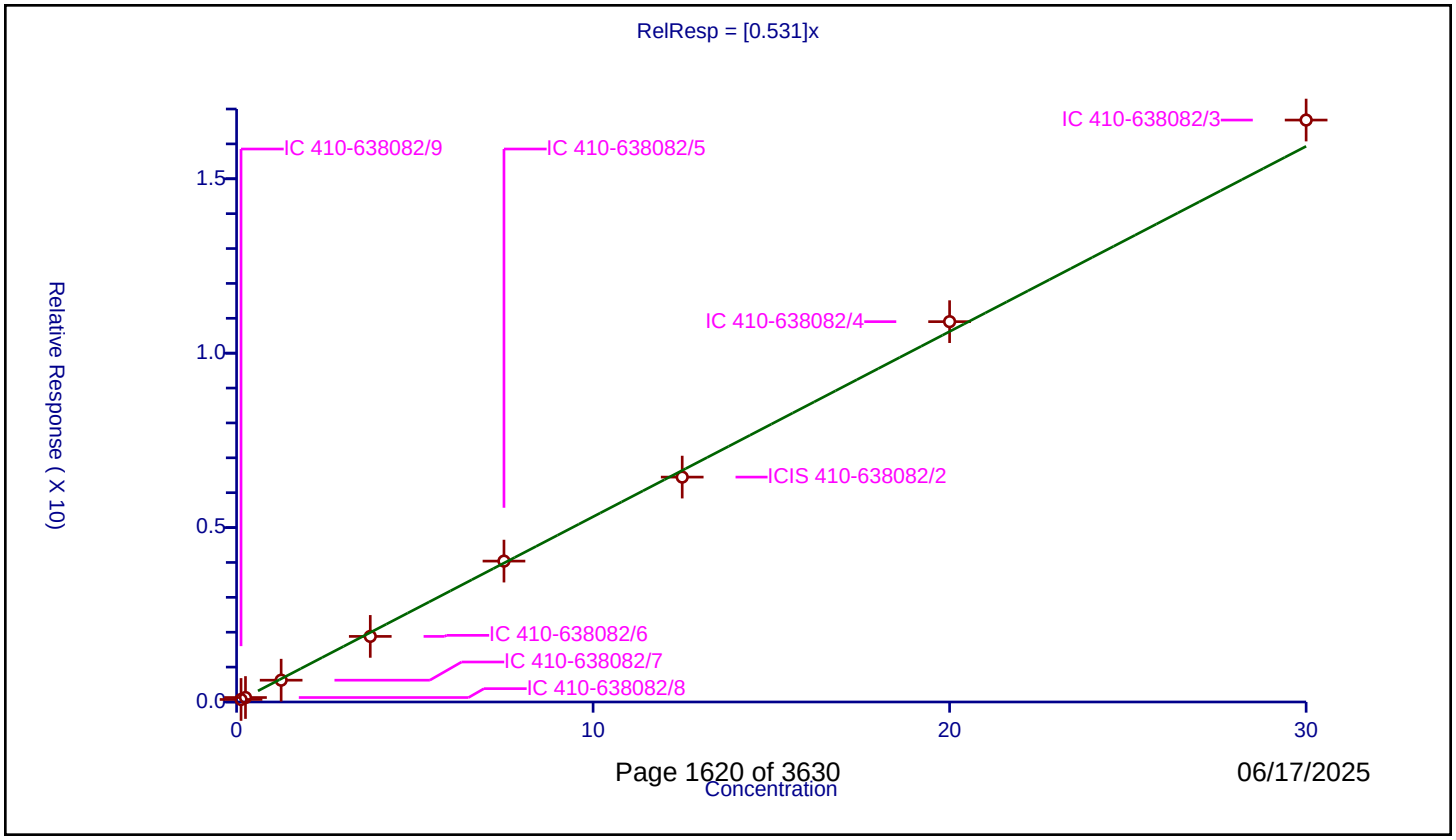
Curve Coefficients

Intercept:	0
Slope:	0.531

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.07222	5.0	269107.0	0.577763	Y
2	IC 410-638082/8	0.25	0.128306	5.0	312262.0	0.513223	Y
3	IC 410-638082/7	1.25	0.625319	5.0	370267.0	0.500255	Y
4	IC 410-638082/6	3.75	1.880444	5.0	327396.0	0.501452	Y
5	IC 410-638082/5	7.5	4.039531	5.0	381272.0	0.538604	Y
6	ICIS 410-638082/2	12.5	6.447331	5.0	437153.0	0.515786	Y
7	IC 410-638082/4	20.0	10.904007	5.0	336701.0	0.5452	Y
8	IC 410-638082/3	30.0	16.68333	5.0	462999.0	0.556111	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

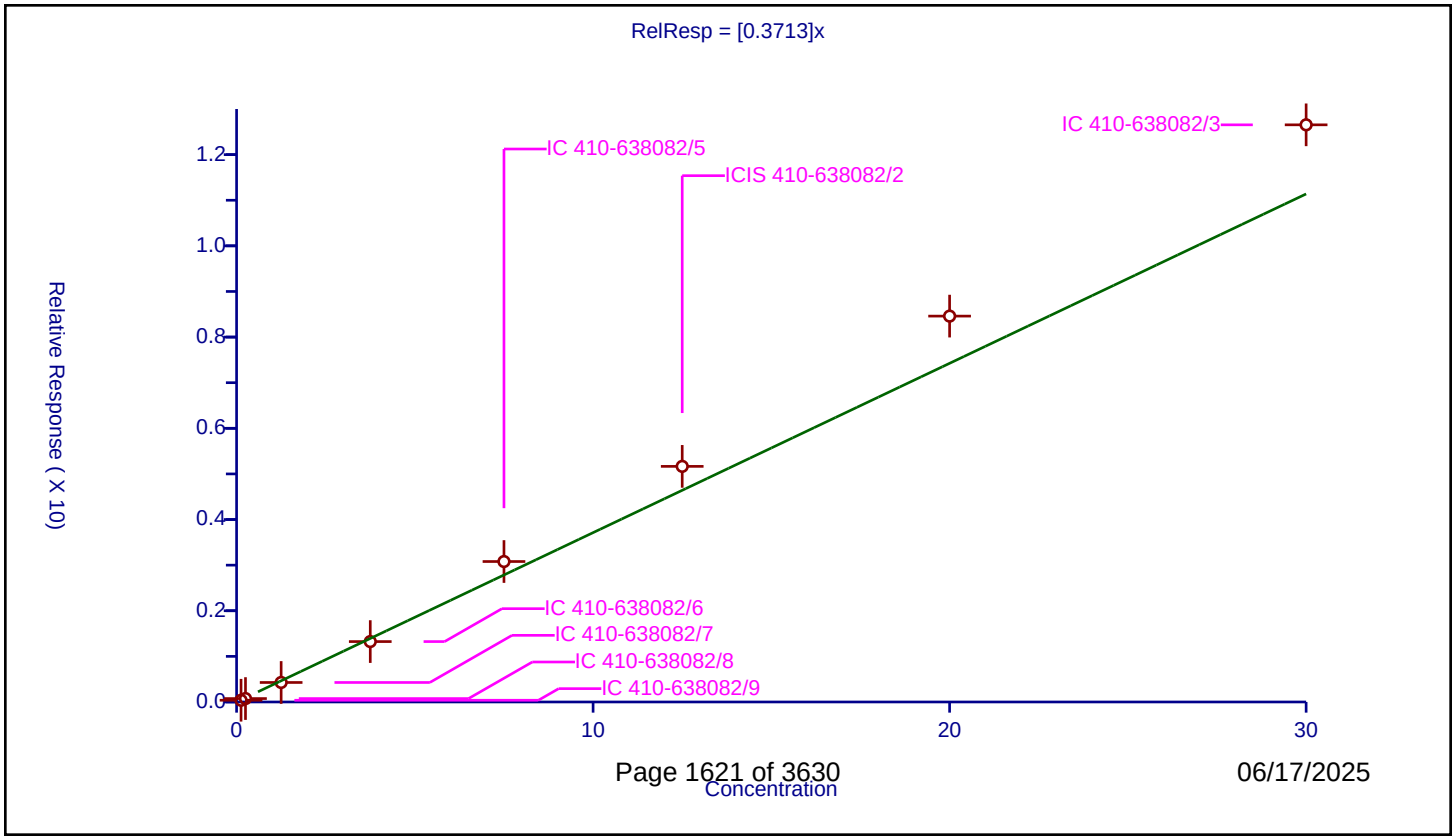
Curve Coefficients

Intercept:	0
Slope:	0.3713

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.038256	5.0	269107.0	0.306049	Y
2	IC 410-638082/8	0.25	0.074969	5.0	312262.0	0.299876	Y
3	IC 410-638082/7	1.25	0.427894	5.0	370267.0	0.342315	Y
4	IC 410-638082/6	3.75	1.324665	5.0	327396.0	0.353244	Y
5	IC 410-638082/5	7.5	3.079245	5.0	381272.0	0.410566	Y
6	ICIS 410-638082/2	12.5	5.165686	5.0	437153.0	0.413255	Y
7	IC 410-638082/4	20.0	8.459716	5.0	336701.0	0.422986	Y
8	IC 410-638082/3	30.0	12.653451	5.0	462999.0	0.421782	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

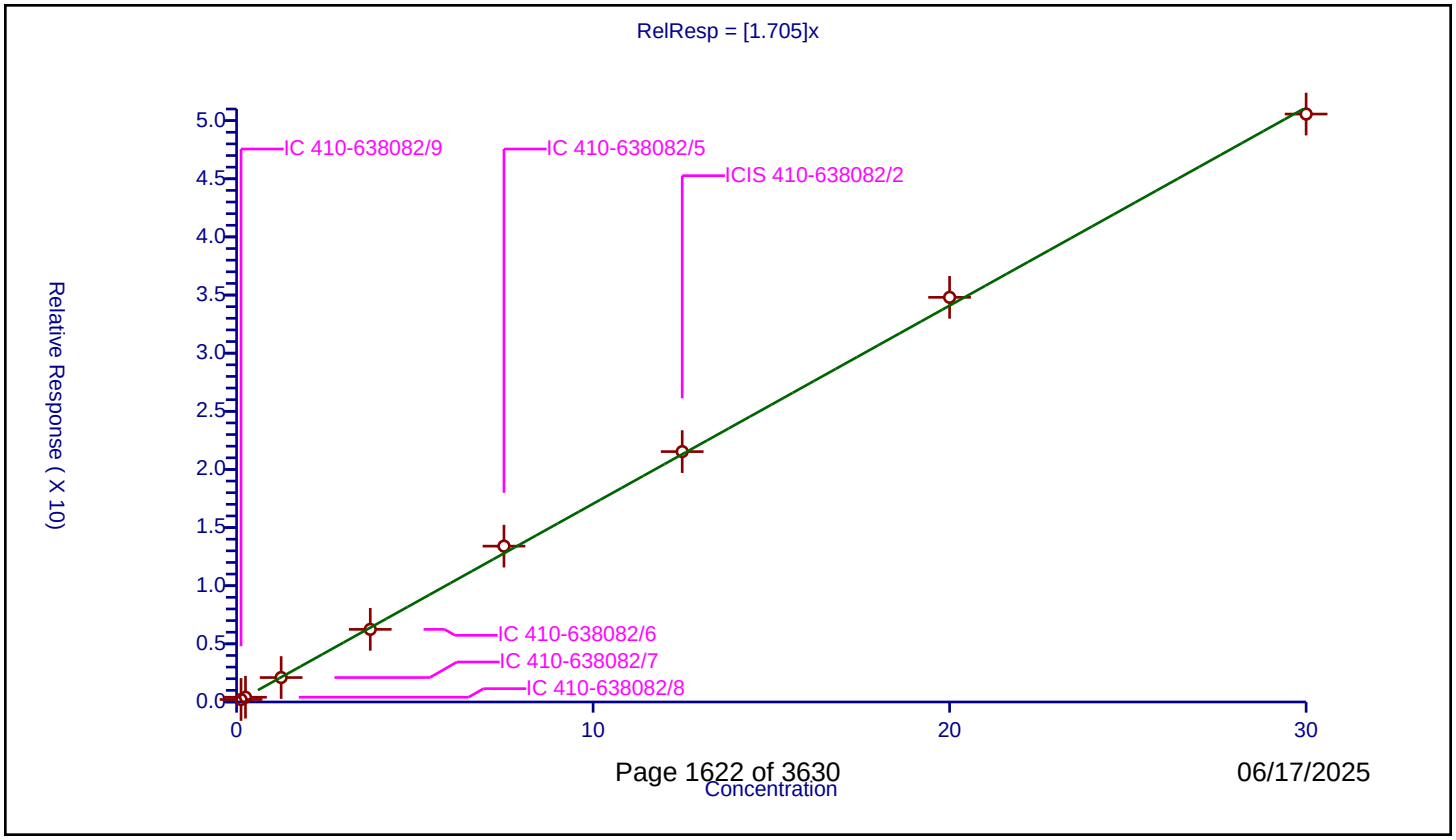
Curve Coefficients

Intercept:	0
Slope:	1.705

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.214896	5.0	269107.0	1.719167	Y
2	IC 410-638082/8	0.25	0.408679	5.0	312262.0	1.634717	Y
3	IC 410-638082/7	1.25	2.10201	5.0	370267.0	1.681608	Y
4	IC 410-638082/6	3.75	6.246258	5.0	327396.0	1.665669	Y
5	IC 410-638082/5	7.5	13.405076	5.0	381272.0	1.787343	Y
6	ICIS 410-638082/2	12.5	21.534371	5.0	437153.0	1.72275	Y
7	IC 410-638082/4	20.0	34.803758	5.0	336701.0	1.740188	Y
8	IC 410-638082/3	30.0	50.567517	5.0	462999.0	1.685584	Y



Calibration / 1-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

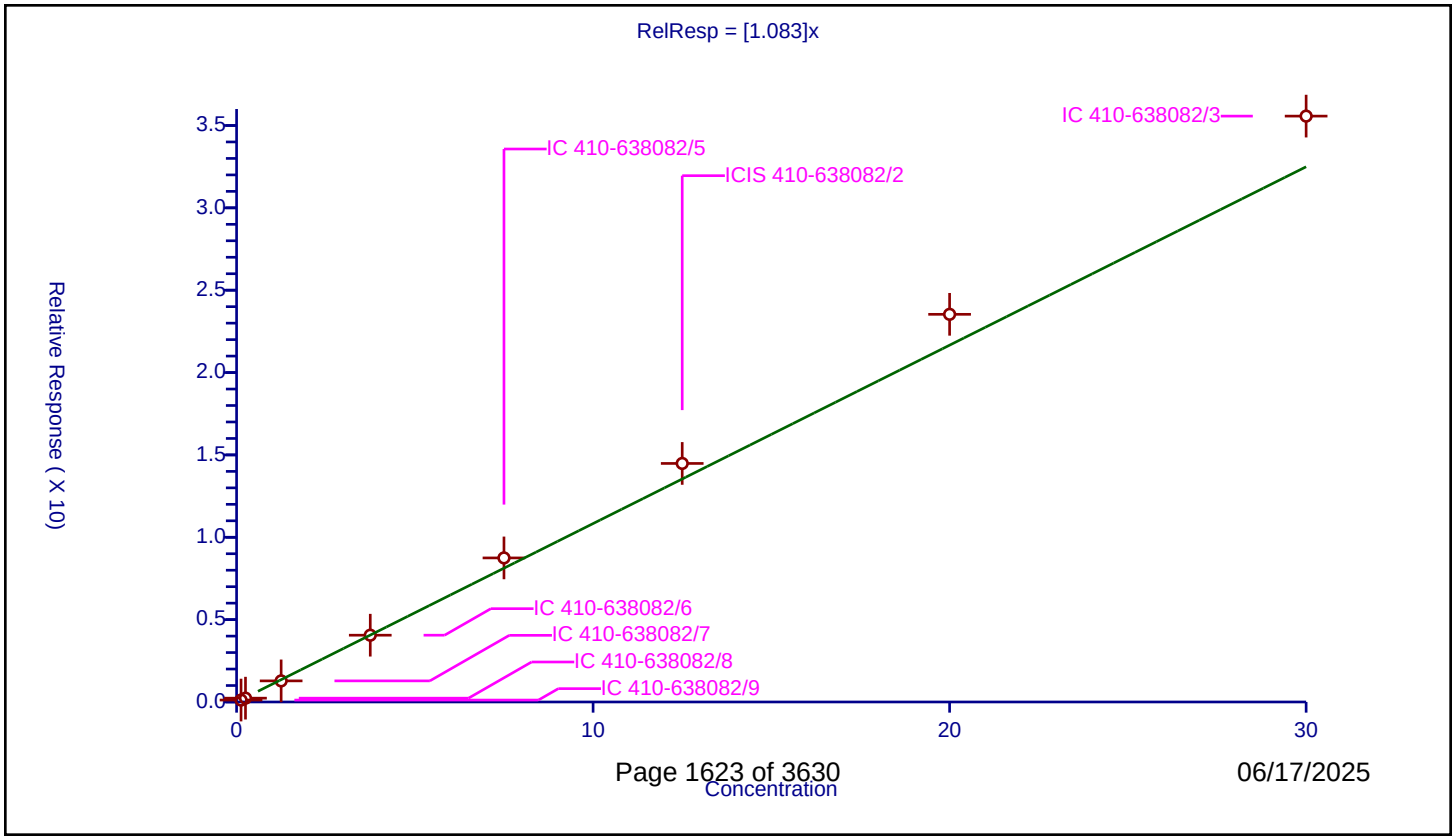
Curve Coefficients

Intercept:	0
Slope:	1.083

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.117444	5.0	269107.0	0.939552	Y
2	IC 410-638082/8	0.25	0.233057	5.0	312262.0	0.93223	Y
3	IC 410-638082/7	1.25	1.280589	5.0	370267.0	1.024472	Y
4	IC 410-638082/6	3.75	4.055318	5.0	327396.0	1.081418	Y
5	IC 410-638082/5	7.5	8.747102	5.0	381272.0	1.16628	Y
6	ICIS 410-638082/2	12.5	14.482378	5.0	437153.0	1.15859	Y
7	IC 410-638082/4	20.0	23.536313	5.0	336701.0	1.176816	Y
8	IC 410-638082/3	30.0	35.569267	5.0	462999.0	1.185642	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

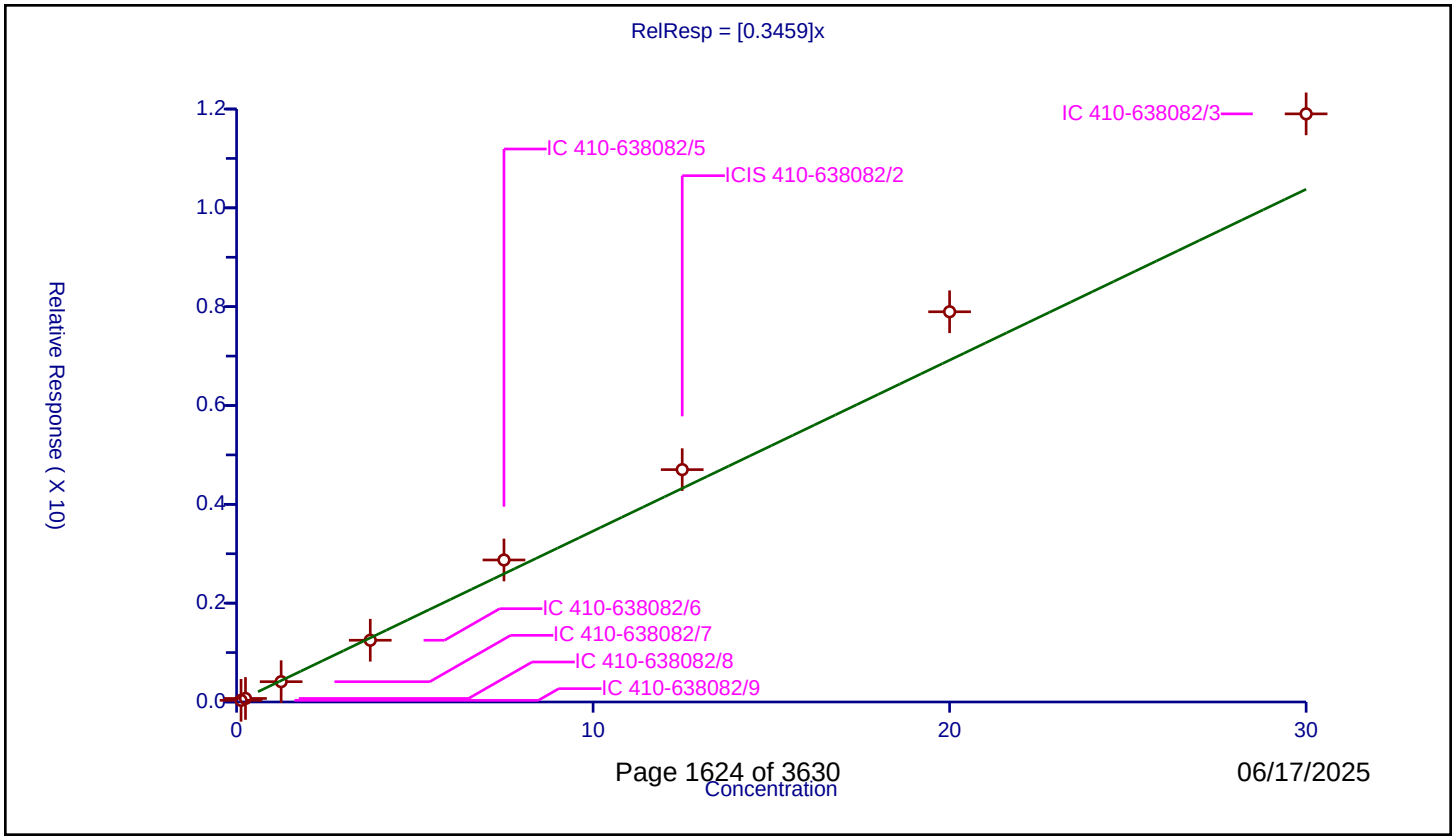
Curve Coefficients

Intercept:	0
Slope:	0.3459

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.033593	5.0	269107.0	0.268741	Y
2	IC 410-638082/8	0.25	0.07135	5.0	312262.0	0.285401	Y
3	IC 410-638082/7	1.25	0.411014	5.0	370267.0	0.328811	Y
4	IC 410-638082/6	3.75	1.24945	5.0	327396.0	0.333187	Y
5	IC 410-638082/5	7.5	2.87367	5.0	381272.0	0.383156	Y
6	ICIS 410-638082/2	12.5	4.702038	5.0	437153.0	0.376163	Y
7	IC 410-638082/4	20.0	7.896828	5.0	336701.0	0.394841	Y
8	IC 410-638082/3	30.0	11.901937	5.0	462999.0	0.396731	Y



Calibration / 2-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

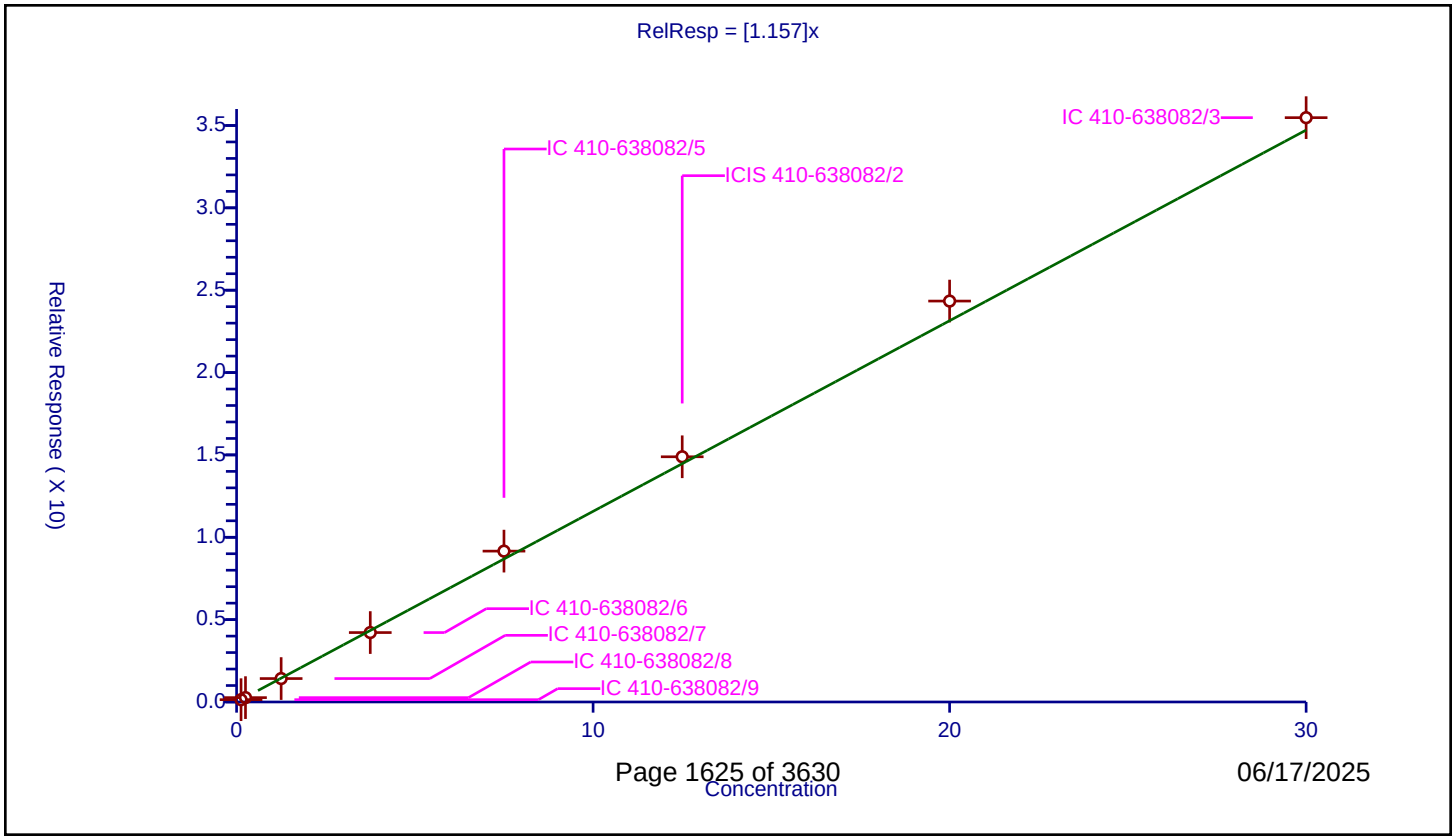
Curve Coefficients

Intercept:	0
Slope:	1.157

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.140557	5.0	269107.0	1.12446	Y
2	IC 410-638082/8	0.25	0.265082	5.0	312262.0	1.060328	Y
3	IC 410-638082/7	1.25	1.422771	5.0	370267.0	1.138216	Y
4	IC 410-638082/6	3.75	4.215171	5.0	327396.0	1.124045	Y
5	IC 410-638082/5	7.5	9.159314	5.0	381272.0	1.221242	Y
6	ICIS 410-638082/2	12.5	14.887419	5.0	437153.0	1.190994	Y
7	IC 410-638082/4	20.0	24.340216	5.0	336701.0	1.217011	Y
8	IC 410-638082/3	30.0	35.474634	5.0	462999.0	1.182488	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

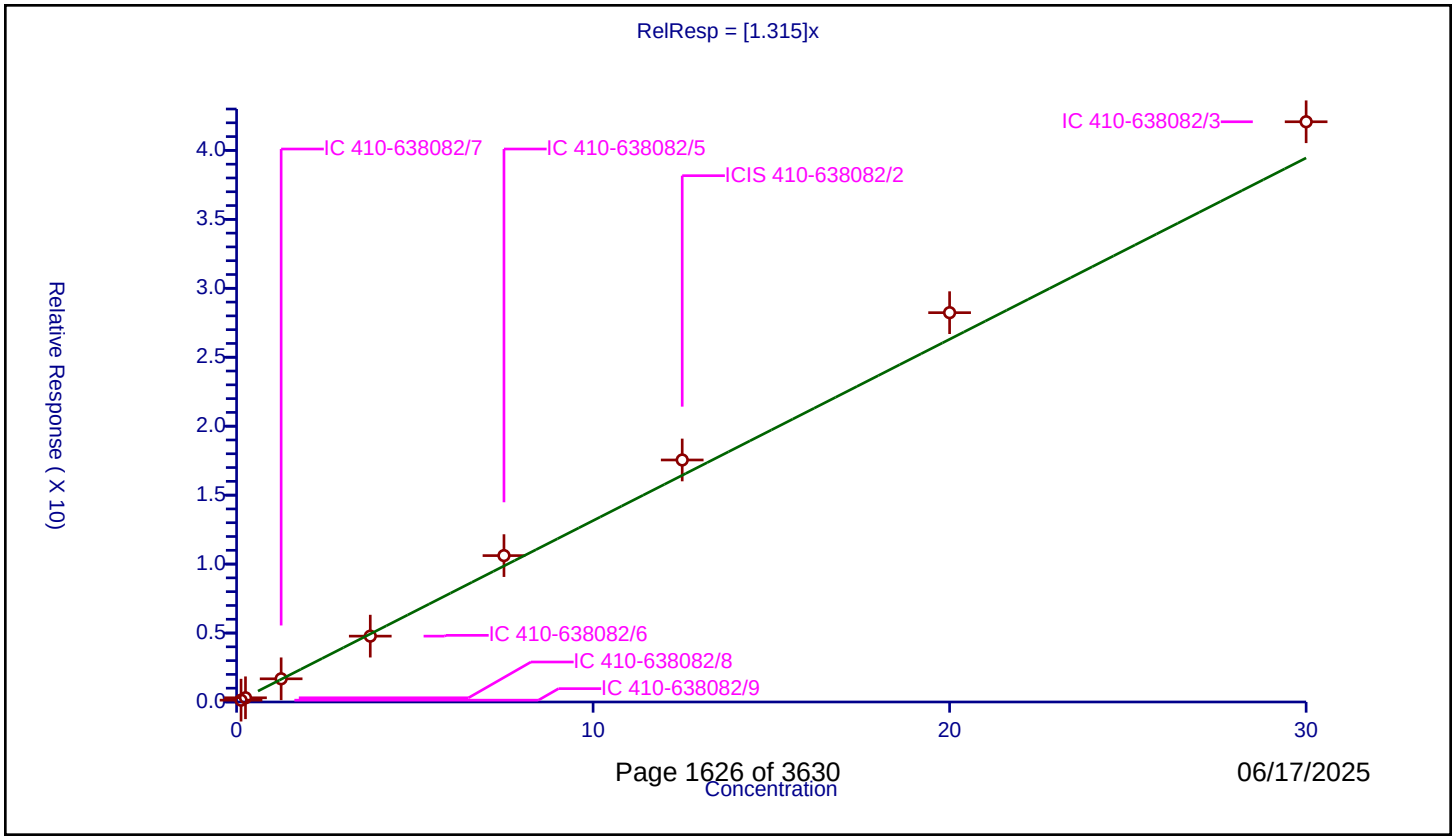
Curve Coefficients

Intercept:	0
Slope:	1.315

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.131565	5.0	269107.0	1.052518	Y
2	IC 410-638082/8	0.25	0.303911	5.0	312262.0	1.215646	Y
3	IC 410-638082/7	1.25	1.681476	5.0	370267.0	1.345181	Y
4	IC 410-638082/6	3.75	4.776326	5.0	327396.0	1.273687	Y
5	IC 410-638082/5	7.5	10.61485	5.0	381272.0	1.415313	Y
6	ICIS 410-638082/2	12.5	17.550411	5.0	437153.0	1.404033	Y
7	IC 410-638082/4	20.0	28.231636	5.0	336701.0	1.411582	Y
8	IC 410-638082/3	30.0	42.075307	5.0	462999.0	1.40251	Y



Calibration / Thionazin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

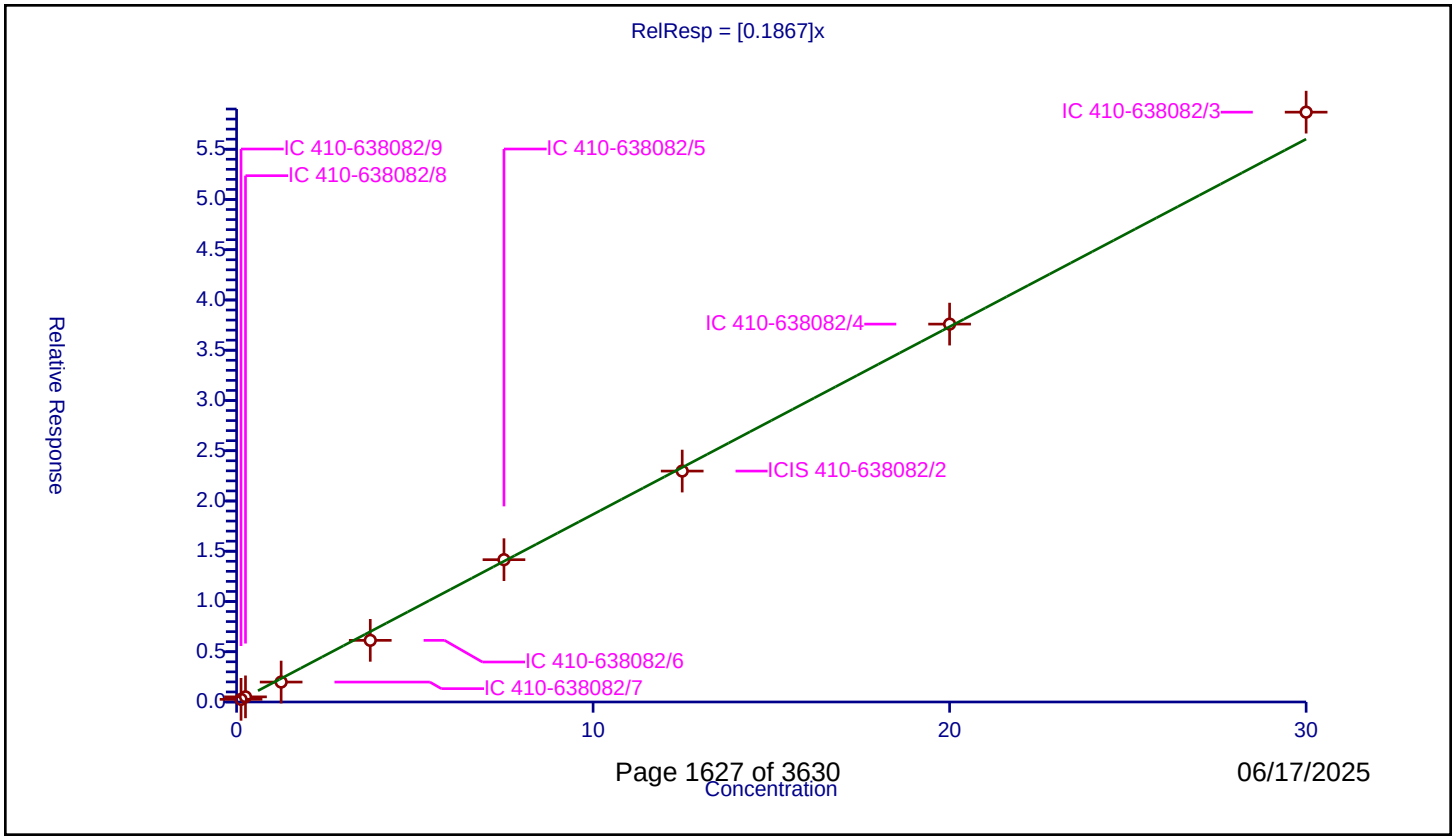
Curve Coefficients

Intercept:	0
Slope:	0.1867

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.026421	5.0	269107.0	0.211366	Y
2	IC 410-638082/8	0.25	0.050951	5.0	312262.0	0.203803	Y
3	IC 410-638082/7	1.25	0.198235	5.0	370267.0	0.158588	Y
4	IC 410-638082/6	3.75	0.613309	5.0	327396.0	0.163549	Y
5	IC 410-638082/5	7.5	1.415931	5.0	381272.0	0.188791	Y
6	ICIS 410-638082/2	12.5	2.297605	5.0	437153.0	0.183808	Y
7	IC 410-638082/4	20.0	3.759864	5.0	336701.0	0.187993	Y
8	IC 410-638082/3	30.0	5.868695	5.0	462999.0	0.195623	Y



Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

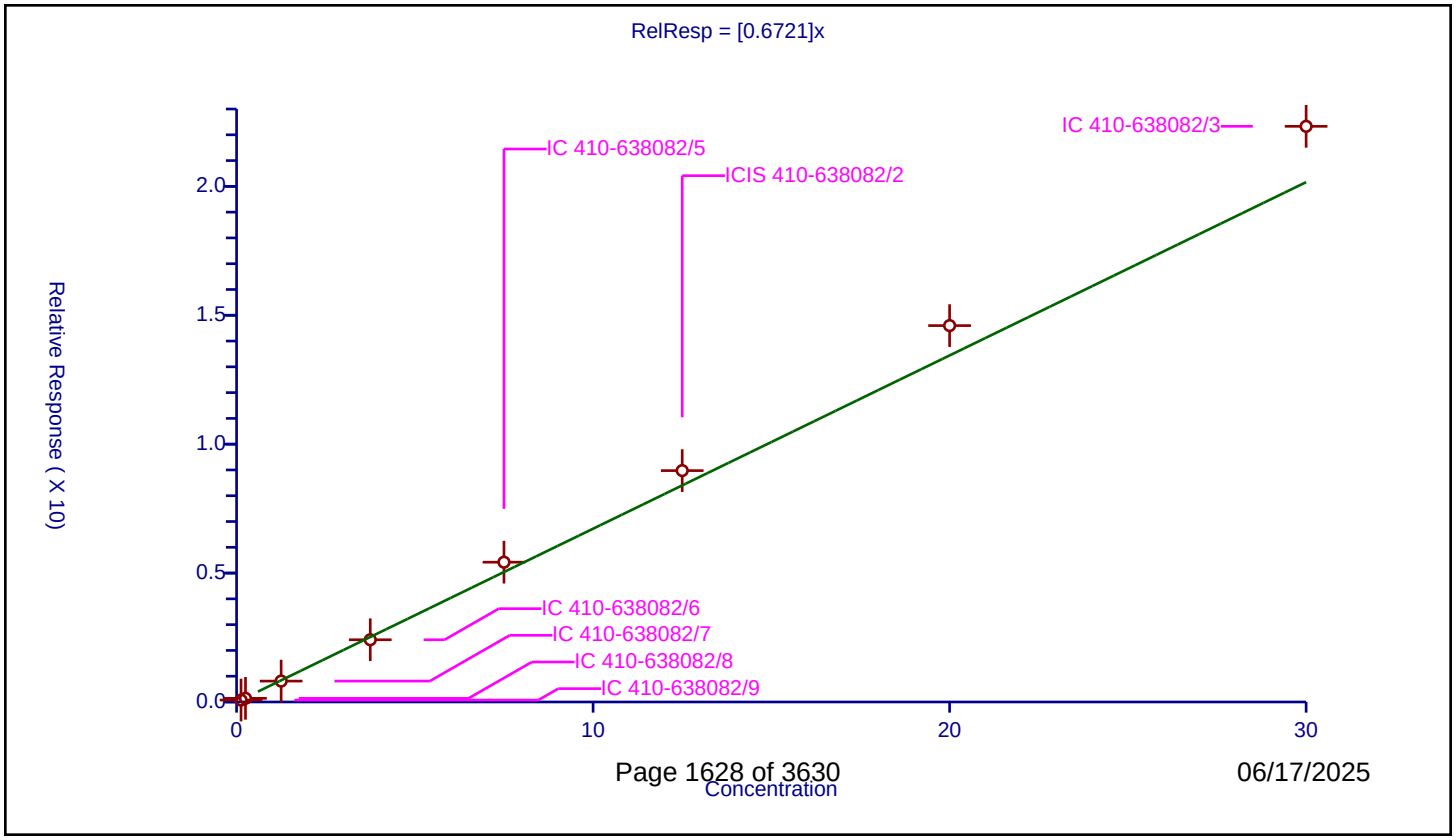
Curve Coefficients

Intercept:	0
Slope:	0.6721

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.075193	5.0	269107.0	0.601545	Y
2	IC 410-638082/8	0.25	0.142028	5.0	312262.0	0.568113	Y
3	IC 410-638082/7	1.25	0.810294	5.0	370267.0	0.648235	Y
4	IC 410-638082/6	3.75	2.413835	5.0	327396.0	0.643689	Y
5	IC 410-638082/5	7.5	5.422389	5.0	381272.0	0.722985	Y
6	ICIS 410-638082/2	12.5	8.974535	5.0	437153.0	0.717963	Y
7	IC 410-638082/4	20.0	14.599214	5.0	336701.0	0.729961	Y
8	IC 410-638082/3	30.0	22.328353	5.0	462999.0	0.744278	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

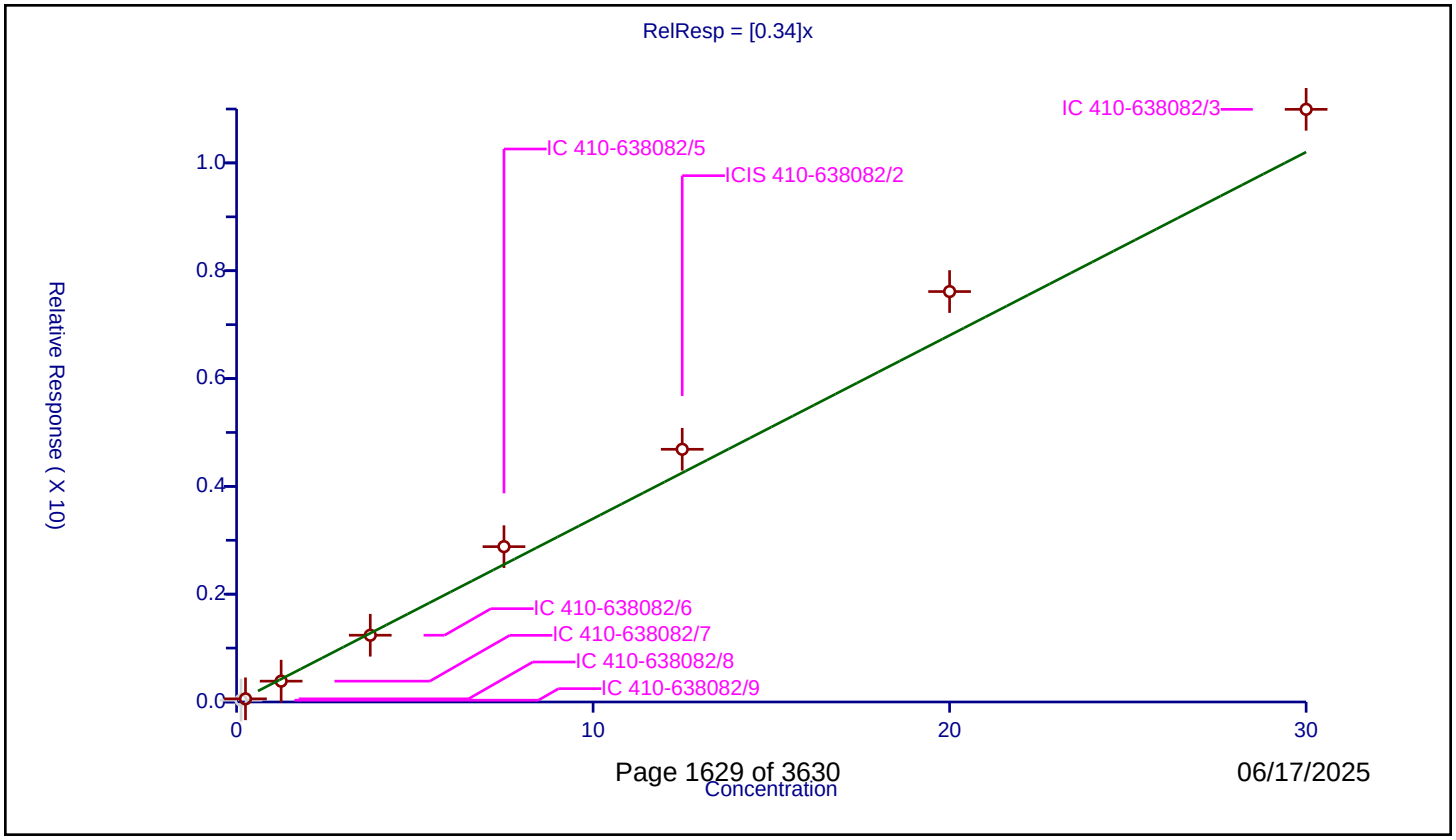
Curve Coefficients

Intercept:	0
Slope:	0.34

Error Coefficients

Relative Standard Deviation:	16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.03337	5.0	269107.0	0.266957	N
2	IC 410-638082/8	0.25	0.058557	5.0	312262.0	0.234226	Y
3	IC 410-638082/7	1.25	0.386788	5.0	370267.0	0.309431	Y
4	IC 410-638082/6	3.75	1.238393	5.0	327396.0	0.330238	Y
5	IC 410-638082/5	7.5	2.881801	5.0	381272.0	0.38424	Y
6	ICIS 410-638082/2	12.5	4.687729	5.0	437153.0	0.375018	Y
7	IC 410-638082/4	20.0	7.613922	5.0	336701.0	0.380696	Y
8	IC 410-638082/3	30.0	10.994073	5.0	462999.0	0.366469	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

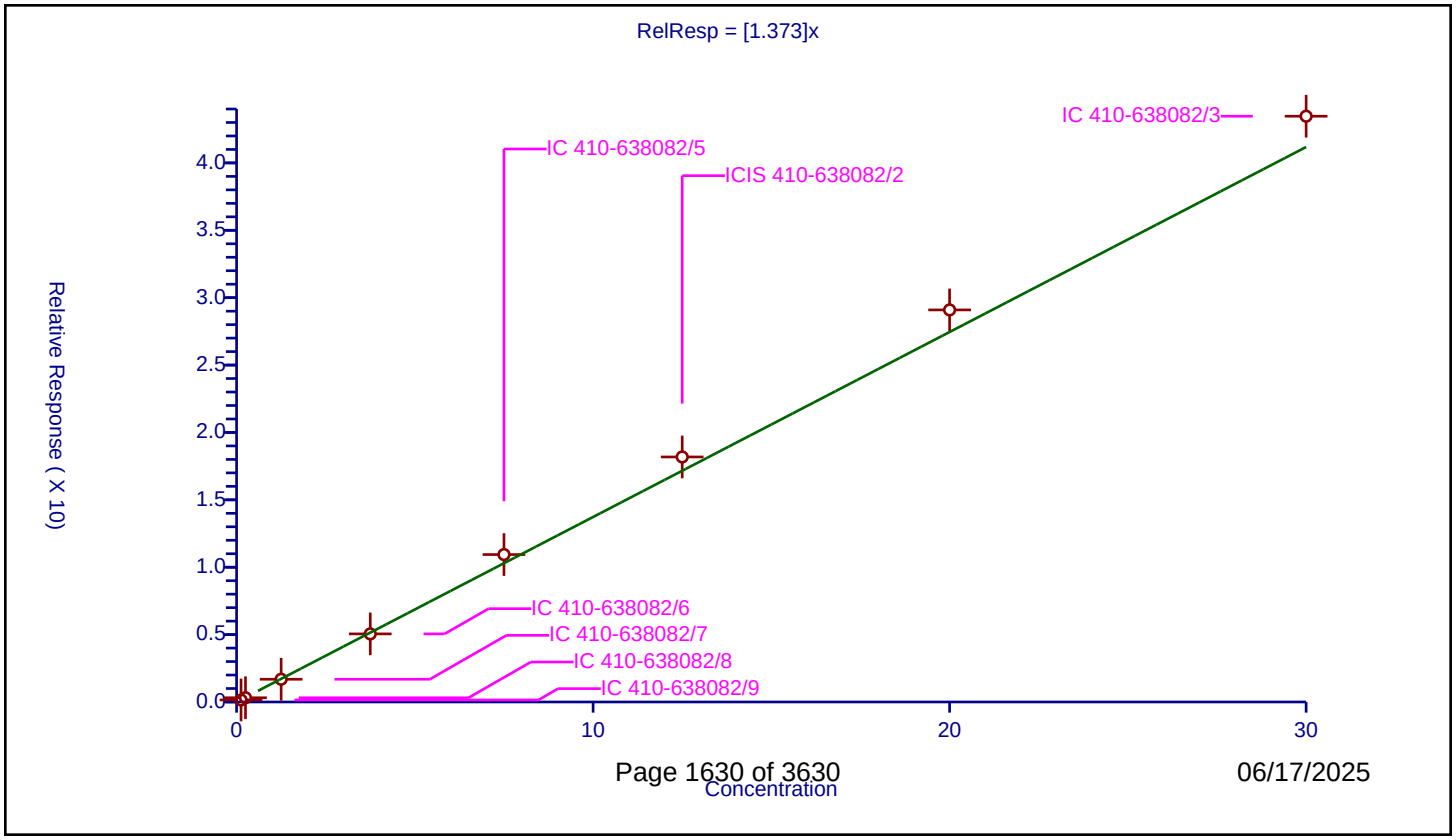
Curve Coefficients

Intercept:	0
Slope:	1.373

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.151334	5.0	269107.0	1.210671	Y
2	IC 410-638082/8	0.25	0.314431	5.0	312262.0	1.257726	Y
3	IC 410-638082/7	1.25	1.686216	5.0	370267.0	1.348972	Y
4	IC 410-638082/6	3.75	5.052353	5.0	327396.0	1.347294	Y
5	IC 410-638082/5	7.5	10.939552	5.0	381272.0	1.458607	Y
6	ICIS 410-638082/2	12.5	18.181941	5.0	437153.0	1.454555	Y
7	IC 410-638082/4	20.0	29.09136	5.0	336701.0	1.454568	Y
8	IC 410-638082/3	30.0	43.464813	5.0	462999.0	1.448827	Y



06/17/2025

Calibration / N-Nitro-o-toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

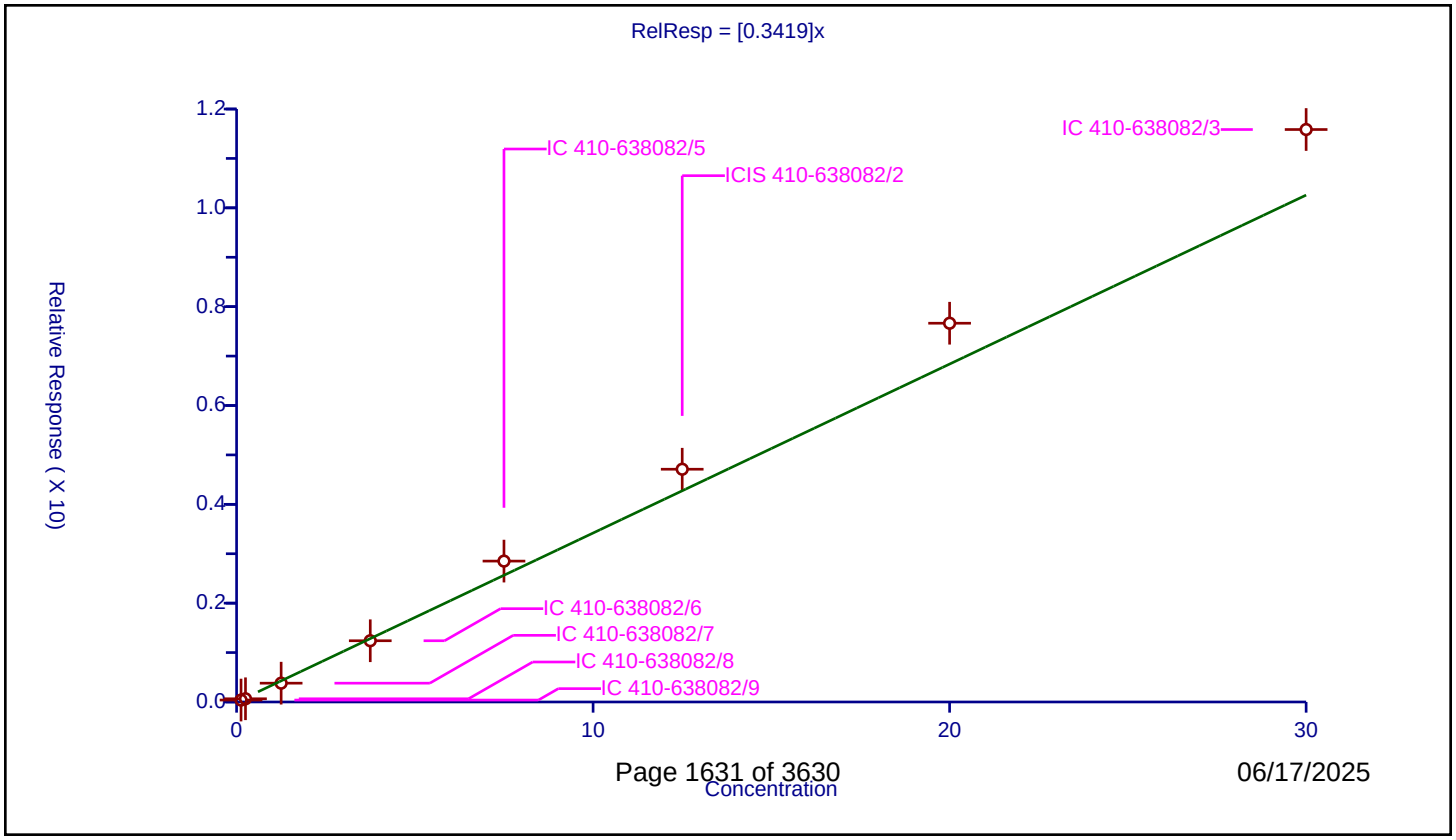
Curve Coefficients

Intercept:	0
Slope:	0.3419

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.039204	5.0	269107.0	0.31363	Y
2	IC 410-638082/8	0.25	0.065074	5.0	312262.0	0.260294	Y
3	IC 410-638082/7	1.25	0.380887	5.0	370267.0	0.30471	Y
4	IC 410-638082/6	3.75	1.239248	5.0	327396.0	0.330466	Y
5	IC 410-638082/5	7.5	2.851337	5.0	381272.0	0.380178	Y
6	ICIS 410-638082/2	12.5	4.710216	5.0	437153.0	0.376817	Y
7	IC 410-638082/4	20.0	7.664916	5.0	336701.0	0.383246	Y
8	IC 410-638082/3	30.0	11.584928	5.0	462999.0	0.386164	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

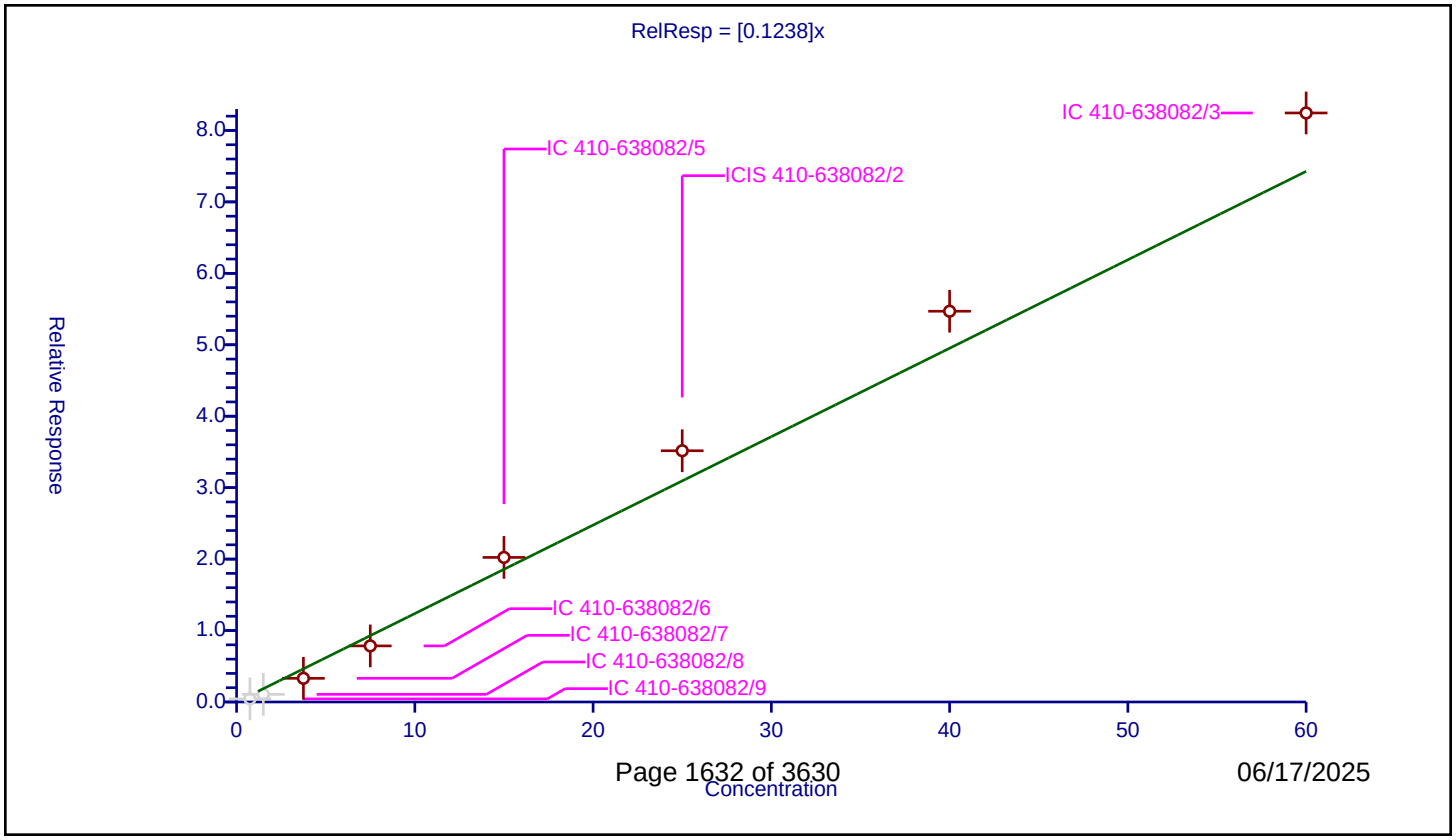
Curve Coefficients

Intercept:	0
Slope:	0.1238

Error Coefficients

Relative Standard Deviation:	17.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.75	0.043565	5.0	505563.0	0.058087	N
2	IC 410-638082/8	1.5	0.106586	5.0	573291.0	0.071058	N
3	IC 410-638082/7	3.75	0.331205	5.0	736523.0	0.088321	Y
4	IC 410-638082/6	7.5	0.785122	5.0	614134.0	0.104683	Y
5	IC 410-638082/5	15.0	2.023542	5.0	708871.0	0.134903	Y
6	ICIS 410-638082/2	25.0	3.516826	5.0	800941.0	0.140673	Y
7	IC 410-638082/4	40.0	5.469469	5.0	672941.0	0.136737	Y
8	IC 410-638082/3	60.0	8.244705	5.0	953532.0	0.137412	Y



06/17/2025

Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

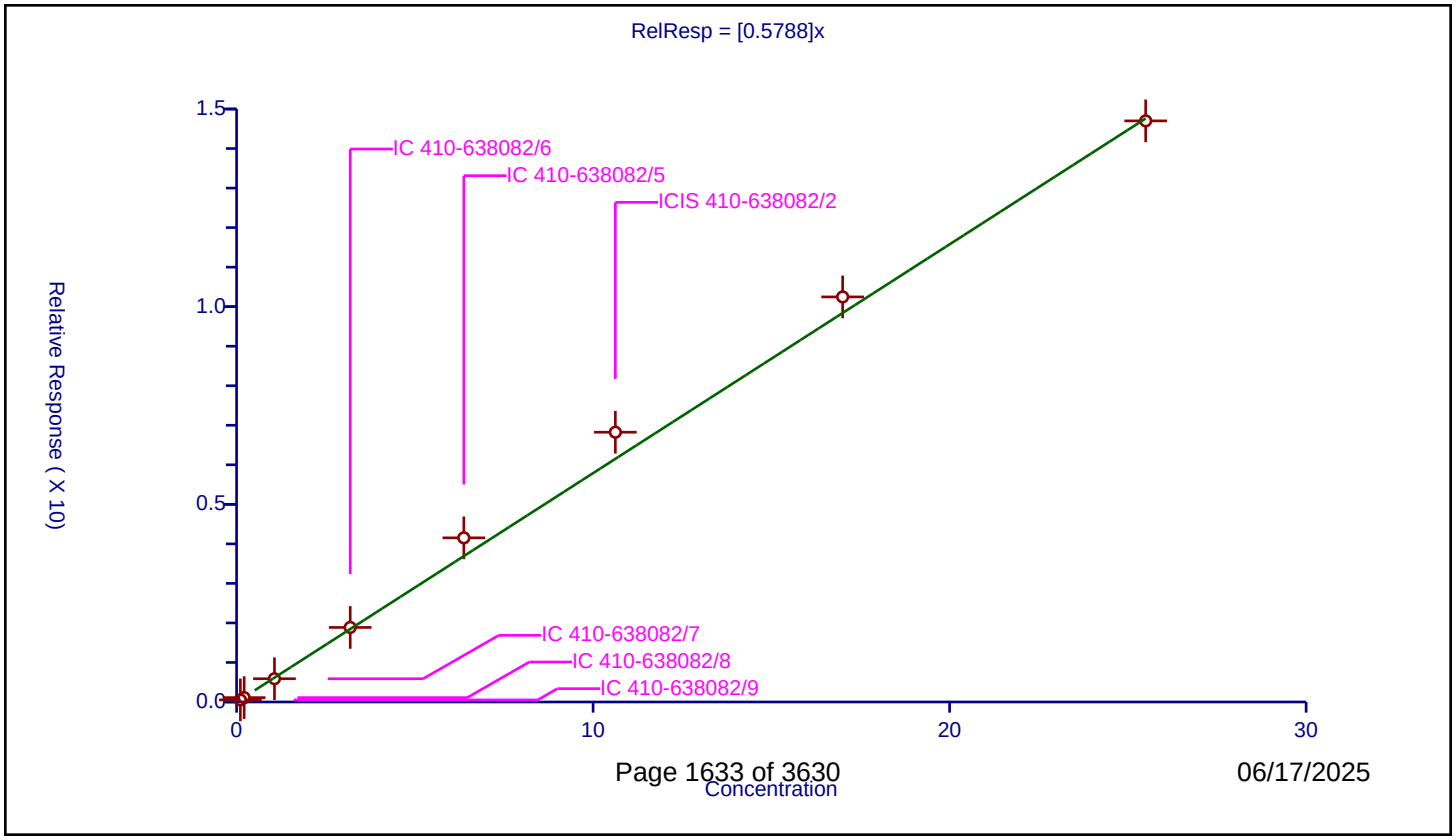
Curve Coefficients

Intercept:	0
Slope:	0.5788

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.10625	0.052466	5.0	505563.0	0.4938	Y
2	IC 410-638082/8	0.2125	0.110127	5.0	573291.0	0.518246	Y
3	IC 410-638082/7	1.0625	0.5888	5.0	736523.0	0.554165	Y
4	IC 410-638082/6	3.1875	1.885891	5.0	614134.0	0.591652	Y
5	IC 410-638082/5	6.375	4.15254	5.0	708871.0	0.651379	Y
6	ICIS 410-638082/2	10.625	6.82426	5.0	800941.0	0.642283	Y
7	IC 410-638082/4	17.0	10.247317	5.0	672941.0	0.602783	Y
8	IC 410-638082/3	25.5	14.699968	5.0	953532.0	0.576469	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

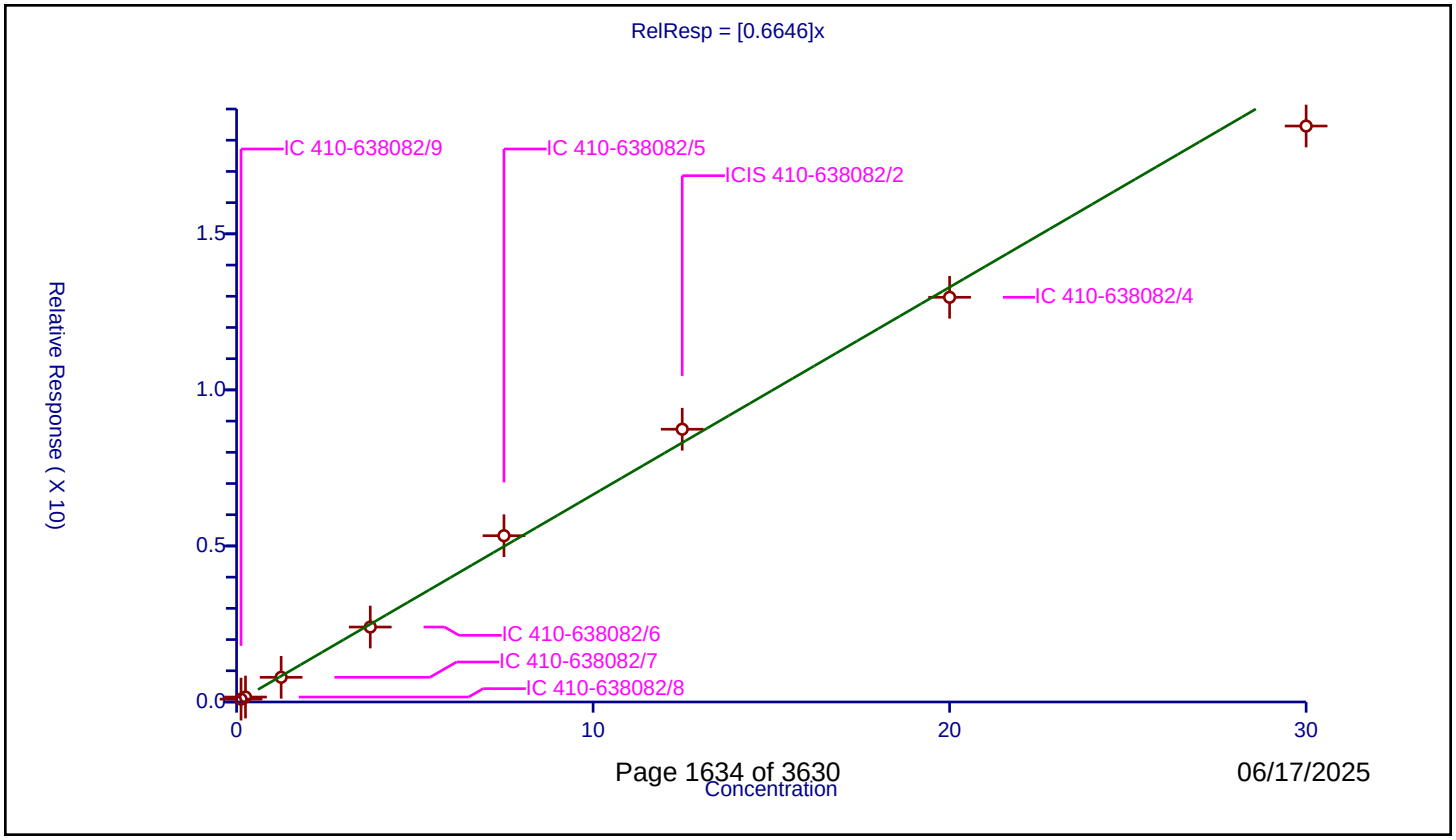
Curve Coefficients

Intercept:	0
Slope:	0.6646

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.092145	5.0	505563.0	0.737158	Y
2	IC 410-638082/8	0.25	0.158227	5.0	573291.0	0.632907	Y
3	IC 410-638082/7	1.25	0.791068	5.0	736523.0	0.632855	Y
4	IC 410-638082/6	3.75	2.401691	5.0	614134.0	0.640451	Y
5	IC 410-638082/5	7.5	5.328127	5.0	708871.0	0.710417	Y
6	ICIS 410-638082/2	12.5	8.740138	5.0	800941.0	0.699211	Y
7	IC 410-638082/4	20.0	12.967207	5.0	672941.0	0.64836	Y
8	IC 410-638082/3	30.0	18.454609	5.0	953532.0	0.615154	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

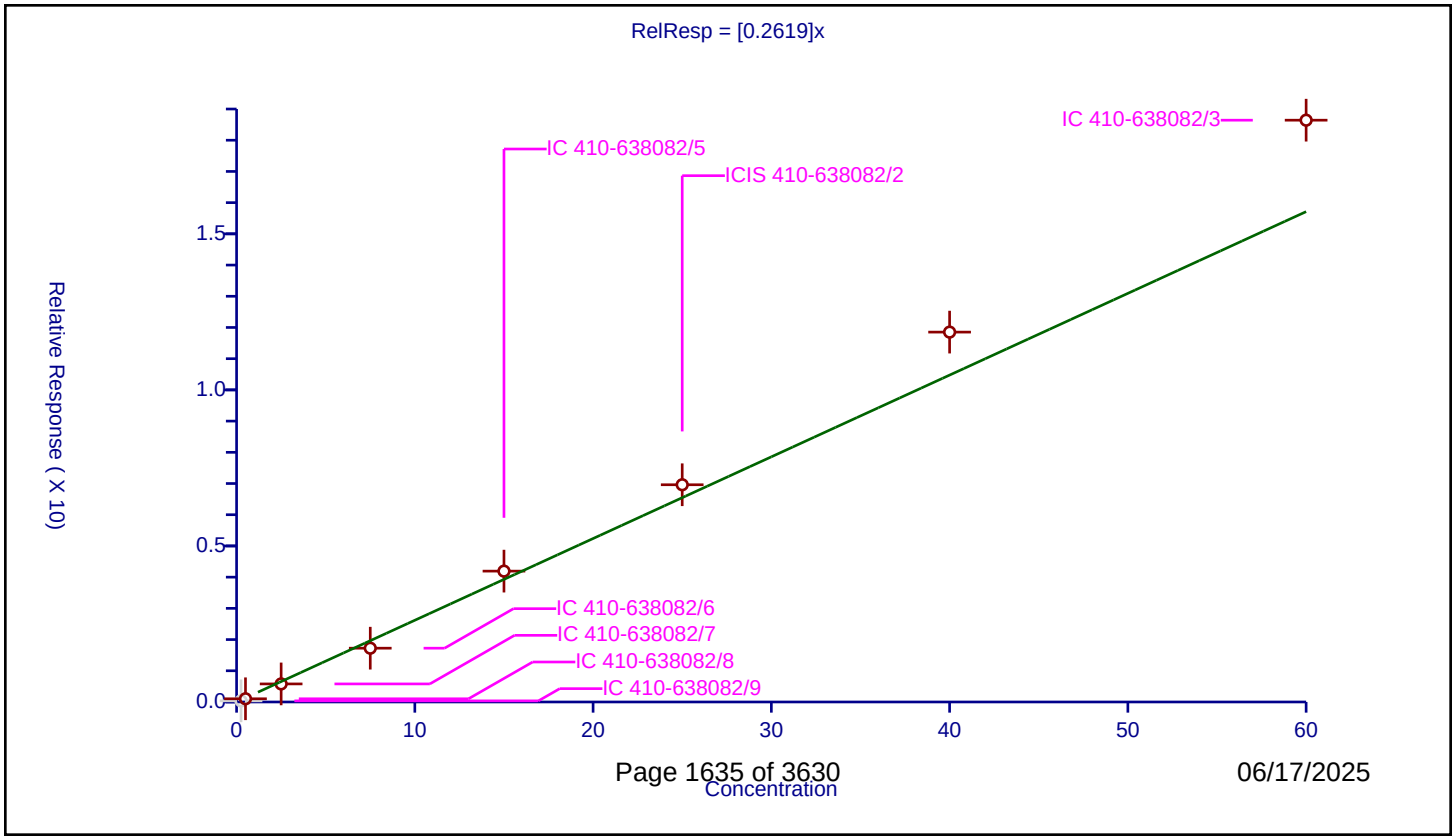
Curve Coefficients

Intercept:	0
Slope:	0.2619

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.25	0.036008	5.0	269107.0	0.144032	N
2	IC 410-638082/8	0.5	0.103279	5.0	312262.0	0.206557	Y
3	IC 410-638082/7	2.5	0.57919	5.0	370267.0	0.231676	Y
4	IC 410-638082/6	7.5	1.723937	5.0	327396.0	0.229858	Y
5	IC 410-638082/5	15.0	4.192807	5.0	381272.0	0.27952	Y
6	ICIS 410-638082/2	25.0	6.960515	5.0	437153.0	0.278421	Y
7	IC 410-638082/4	40.0	11.851762	5.0	336701.0	0.296294	Y
8	IC 410-638082/3	60.0	18.641563	5.0	462999.0	0.310693	Y



Calibration / Sulfotepp

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

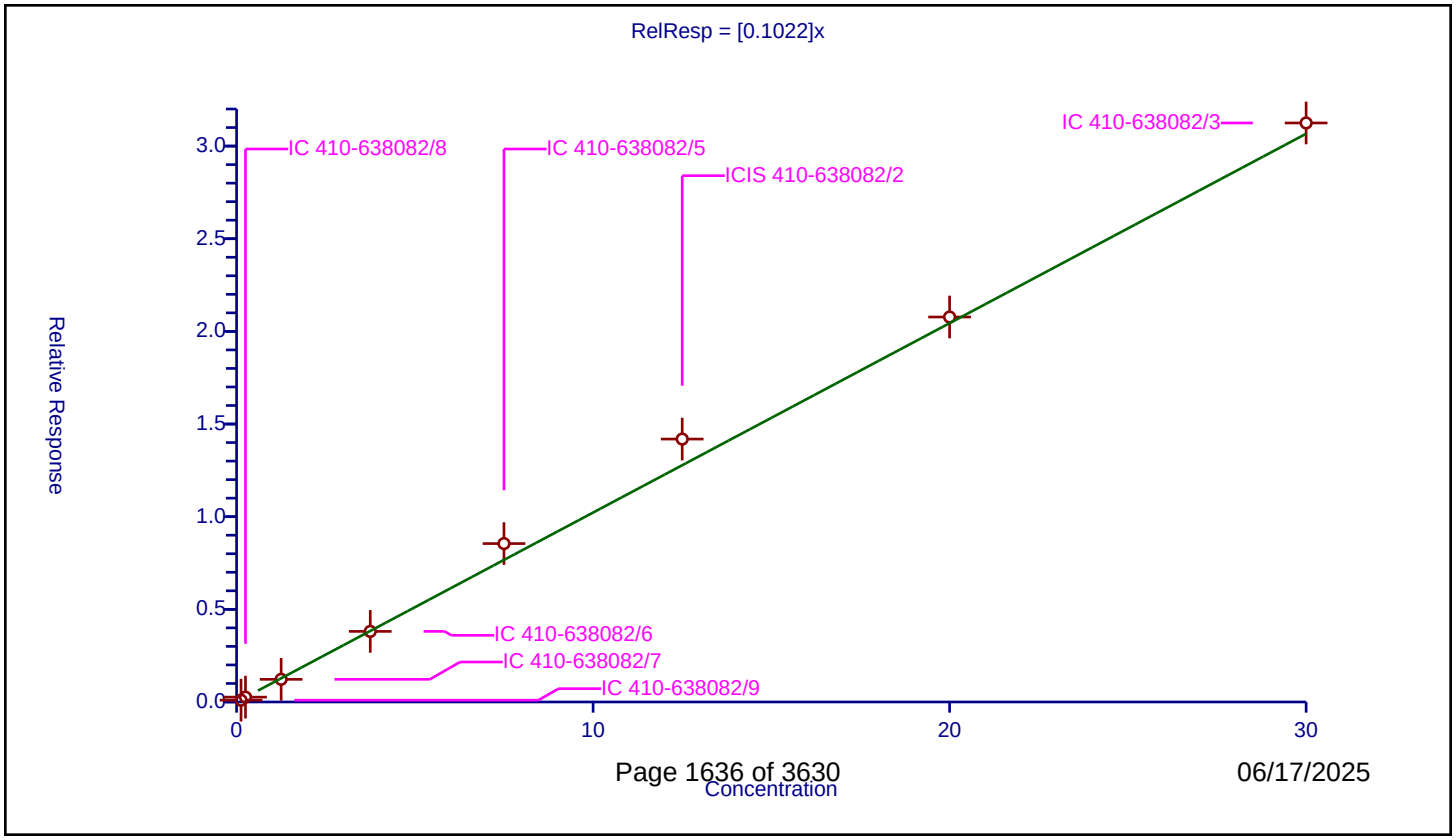
Curve Coefficients

Intercept:	0
Slope:	0.1022

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.009682	5.0	505563.0	0.077458	Y
2	IC 410-638082/8	0.25	0.02633	5.0	573291.0	0.105322	Y
3	IC 410-638082/7	1.25	0.122298	5.0	736523.0	0.097838	Y
4	IC 410-638082/6	3.75	0.381	5.0	614134.0	0.1016	Y
5	IC 410-638082/5	7.5	0.854831	5.0	708871.0	0.113977	Y
6	ICIS 410-638082/2	12.5	1.418881	5.0	800941.0	0.11351	Y
7	IC 410-638082/4	20.0	2.077515	5.0	672941.0	0.103876	Y
8	IC 410-638082/3	30.0	3.124793	5.0	953532.0	0.10416	Y



Calibration / 1,3,5-Trinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

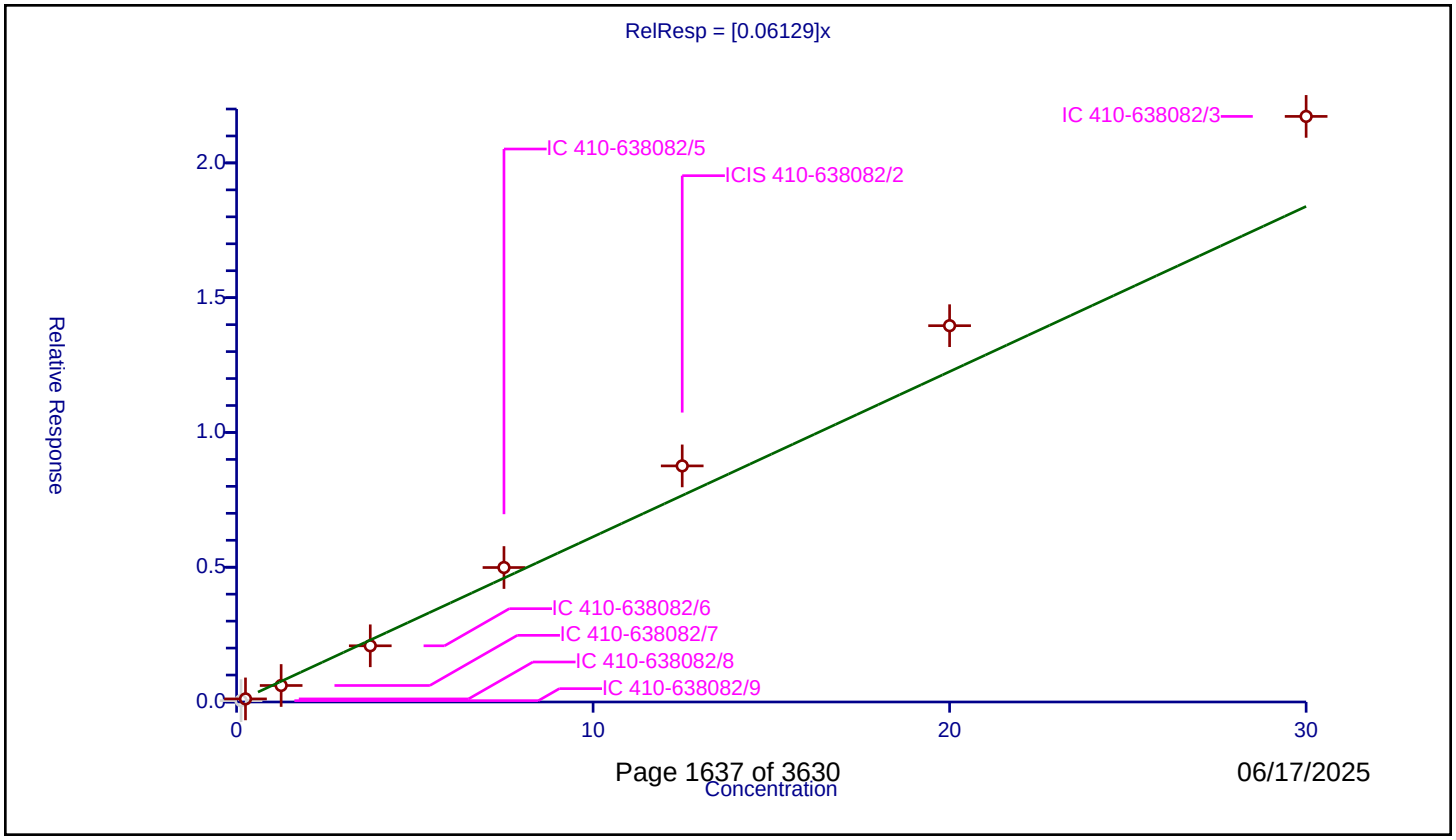
Curve Coefficients

Intercept:	0
Slope:	0.06129

Error Coefficients

Relative Standard Deviation:	18.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.005014	5.0	505563.0	0.040114	N
2	IC 410-638082/8	0.25	0.011399	5.0	573291.0	0.045596	Y
3	IC 410-638082/7	1.25	0.061234	5.0	736523.0	0.048987	Y
4	IC 410-638082/6	3.75	0.208554	5.0	614134.0	0.055614	Y
5	IC 410-638082/5	7.5	0.498899	5.0	708871.0	0.06652	Y
6	ICIS 410-638082/2	12.5	0.87592	5.0	800941.0	0.070074	Y
7	IC 410-638082/4	20.0	1.396096	5.0	672941.0	0.069805	Y
8	IC 410-638082/3	30.0	2.172628	5.0	953532.0	0.072421	Y



Calibration / cis-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

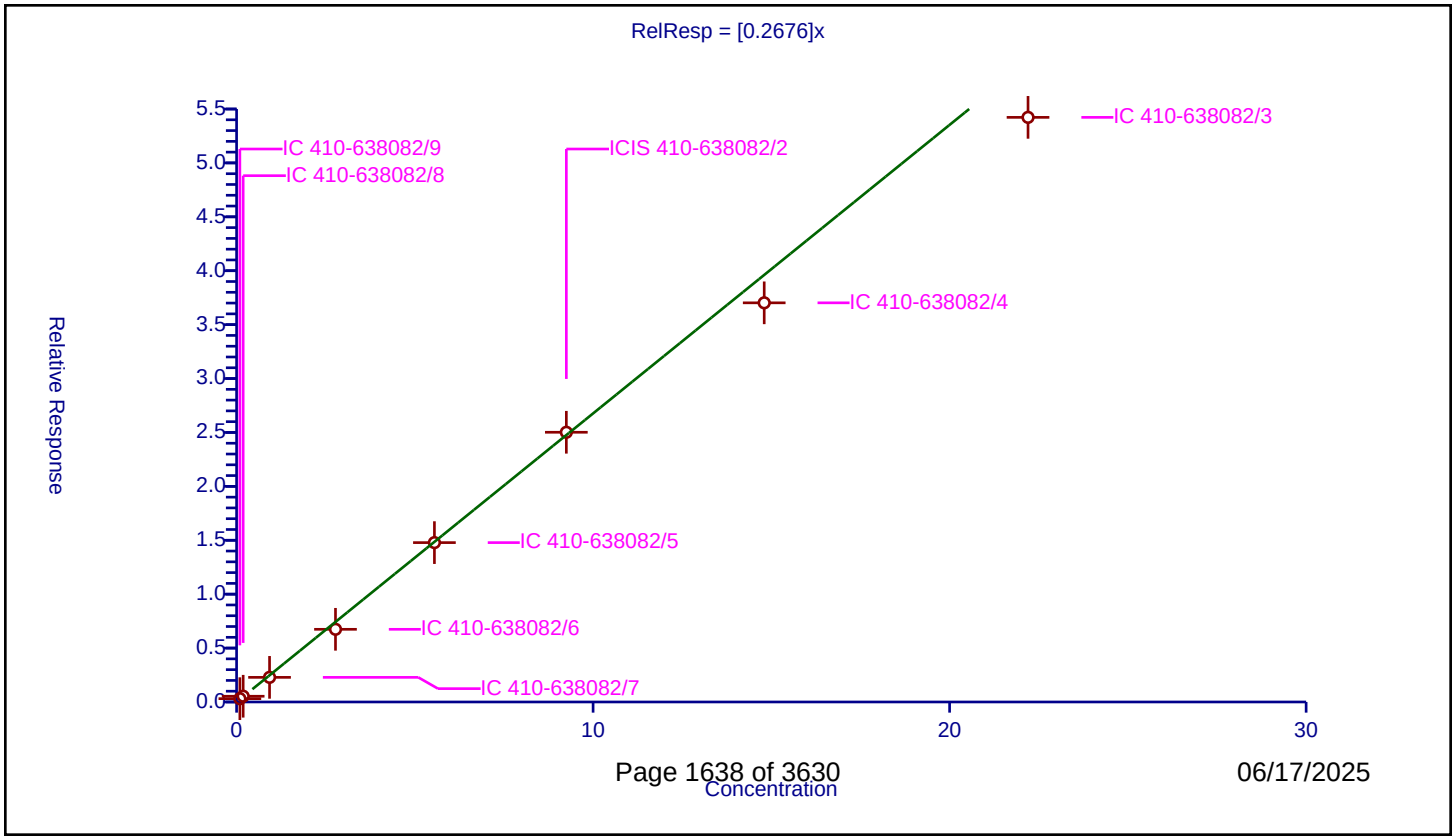
Curve Coefficients

Intercept:	0
Slope:	0.2676

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.0925	0.030708	5.0	505563.0	0.331982	Y
2	IC 410-638082/8	0.185	0.05328	5.0	573291.0	0.288001	Y
3	IC 410-638082/7	0.925	0.228493	5.0	736523.0	0.247019	Y
4	IC 410-638082/6	2.775	0.674226	5.0	614134.0	0.242964	Y
5	IC 410-638082/5	5.55	1.478174	5.0	708871.0	0.266338	Y
6	ICIS 410-638082/2	9.25	2.501726	5.0	800941.0	0.270457	Y
7	IC 410-638082/4	14.8	3.702442	5.0	672941.0	0.250165	Y
8	IC 410-638082/3	22.2	5.422524	5.0	953532.0	0.244258	Y



Calibration / Phenacetin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

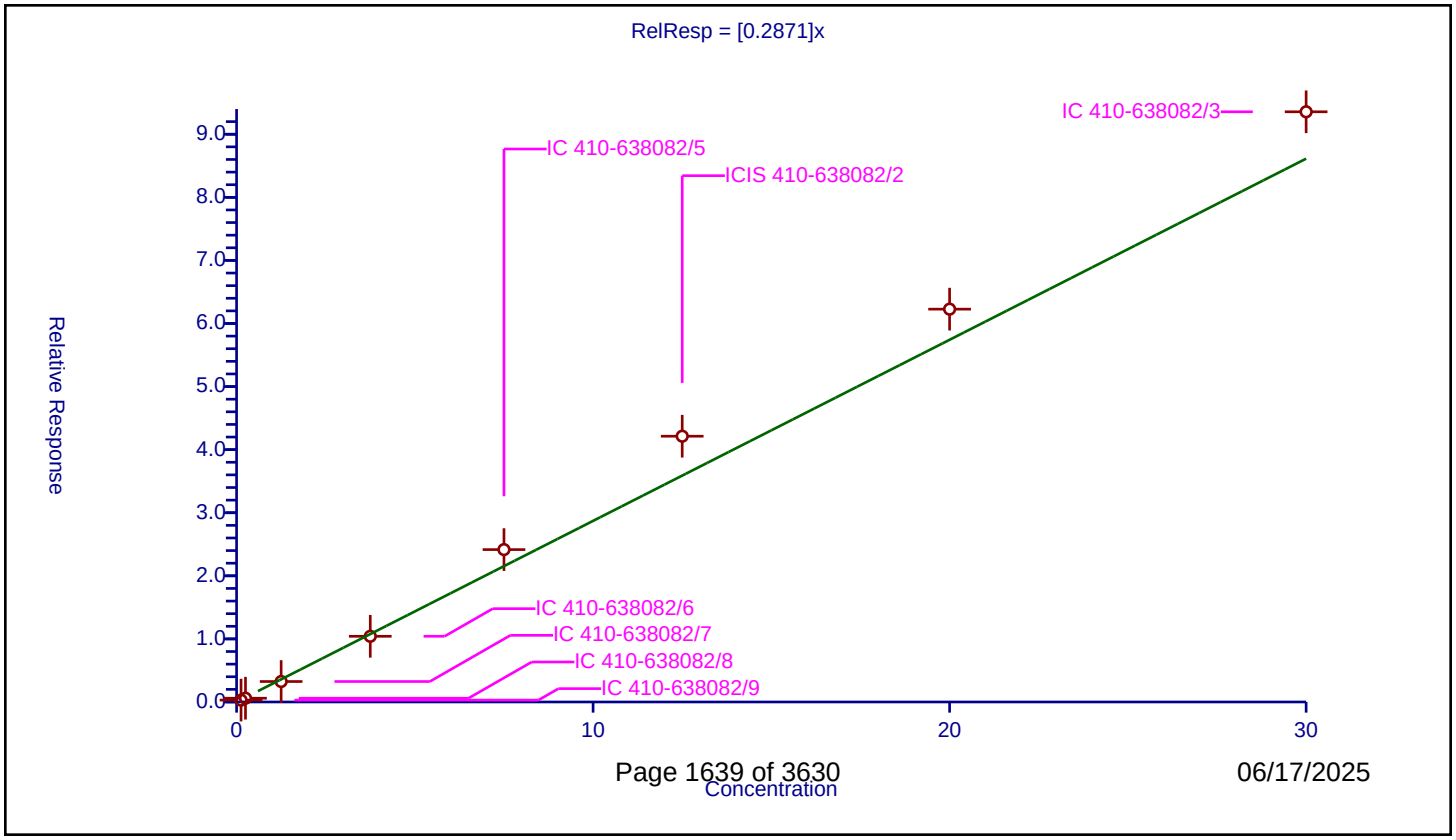
Curve Coefficients

Intercept:	0
Slope:	0.2871

Error Coefficients

Relative Standard Deviation:	13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.029749	5.0	505563.0	0.237992	Y
2	IC 410-638082/8	0.25	0.059786	5.0	573291.0	0.239146	Y
3	IC 410-638082/7	1.25	0.324389	5.0	736523.0	0.259511	Y
4	IC 410-638082/6	3.75	1.041239	5.0	614134.0	0.277664	Y
5	IC 410-638082/5	7.5	2.415799	5.0	708871.0	0.322107	Y
6	ICIS 410-638082/2	12.5	4.213307	5.0	800941.0	0.337065	Y
7	IC 410-638082/4	20.0	6.2275	5.0	672941.0	0.311375	Y
8	IC 410-638082/3	30.0	9.356125	5.0	953532.0	0.311871	Y



Calibration / Phorate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

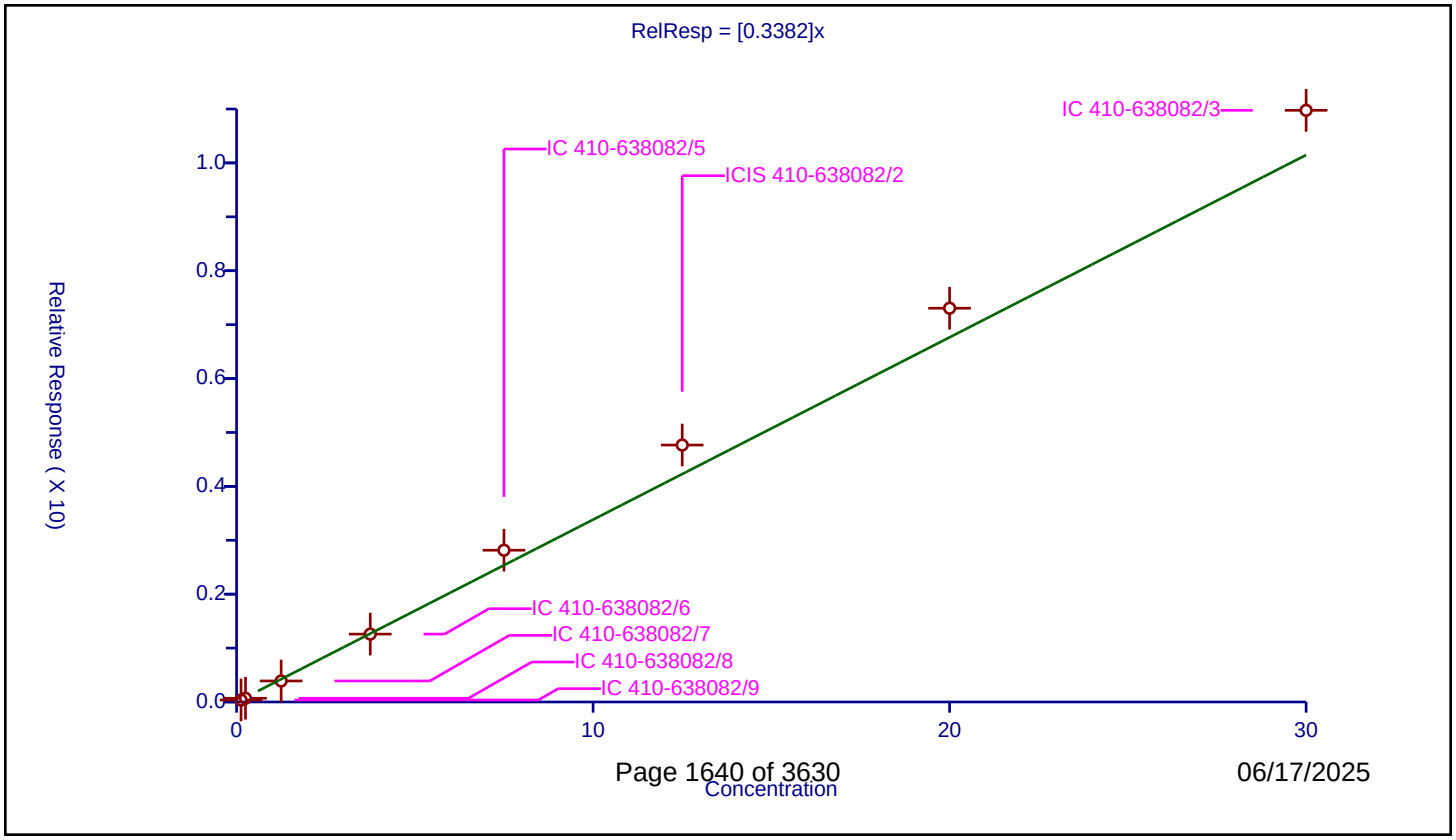
Curve Coefficients

Intercept:	0
Slope:	0.3382

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.03687	5.0	505563.0	0.294958	Y
2	IC 410-638082/8	0.25	0.068831	5.0	573291.0	0.275323	Y
3	IC 410-638082/7	1.25	0.389995	5.0	736523.0	0.311996	Y
4	IC 410-638082/6	3.75	1.25931	5.0	614134.0	0.335816	Y
5	IC 410-638082/5	7.5	2.815703	5.0	708871.0	0.375427	Y
6	ICIS 410-638082/2	12.5	4.766412	5.0	800941.0	0.381313	Y
7	IC 410-638082/4	20.0	7.30486	5.0	672941.0	0.365243	Y
8	IC 410-638082/3	30.0	10.975804	5.0	953532.0	0.36586	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

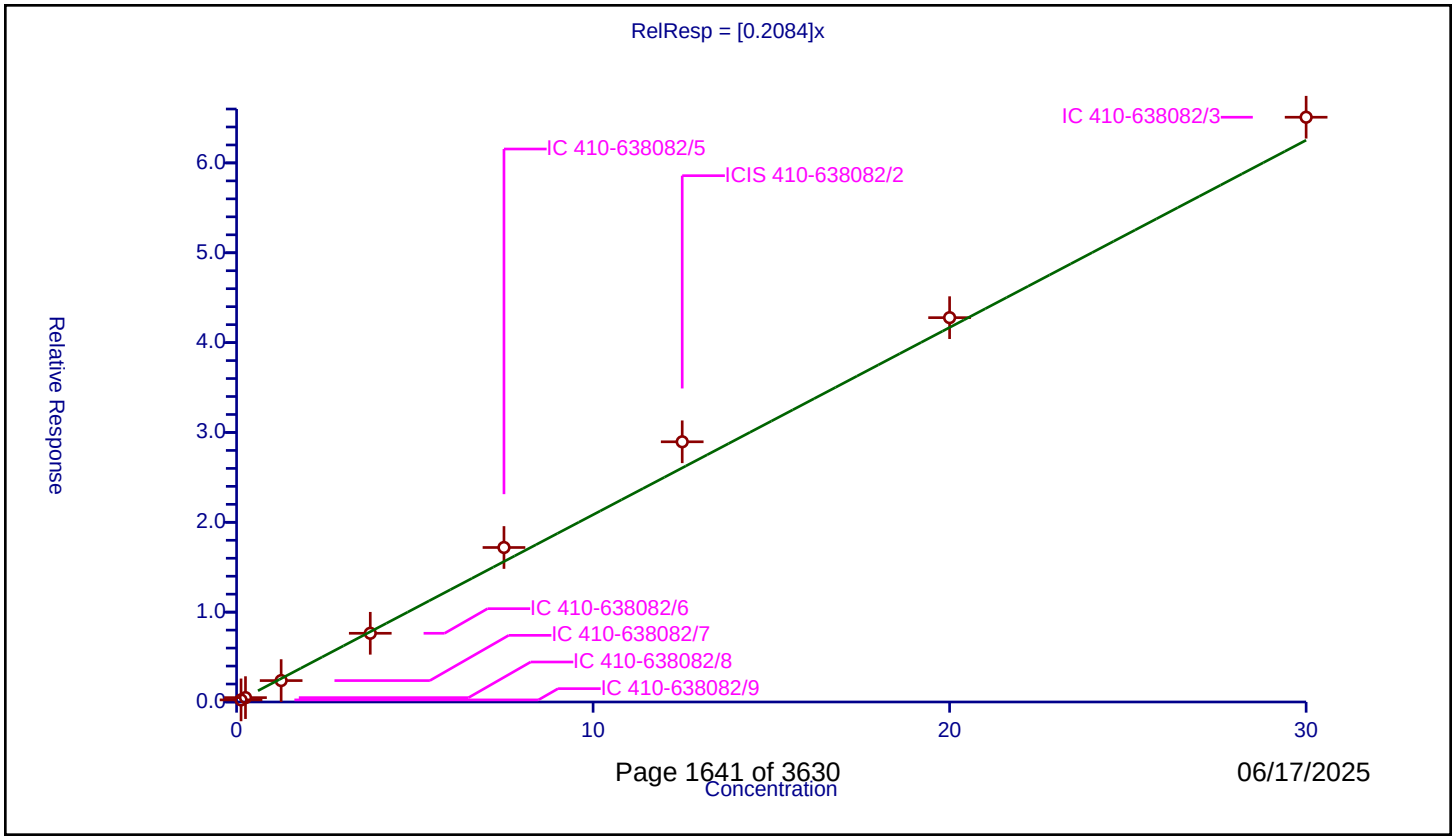
Curve Coefficients

Intercept:	0
Slope:	0.2084

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.023301	5.0	505563.0	0.186406	Y
2	IC 410-638082/8	0.25	0.048658	5.0	573291.0	0.194631	Y
3	IC 410-638082/7	1.25	0.238329	5.0	736523.0	0.190663	Y
4	IC 410-638082/6	3.75	0.764858	5.0	614134.0	0.203962	Y
5	IC 410-638082/5	7.5	1.719474	5.0	708871.0	0.229263	Y
6	ICIS 410-638082/2	12.5	2.896068	5.0	800941.0	0.231685	Y
7	IC 410-638082/4	20.0	4.277745	5.0	672941.0	0.213887	Y
8	IC 410-638082/3	30.0	6.508696	5.0	953532.0	0.216957	Y



Calibration / trans-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

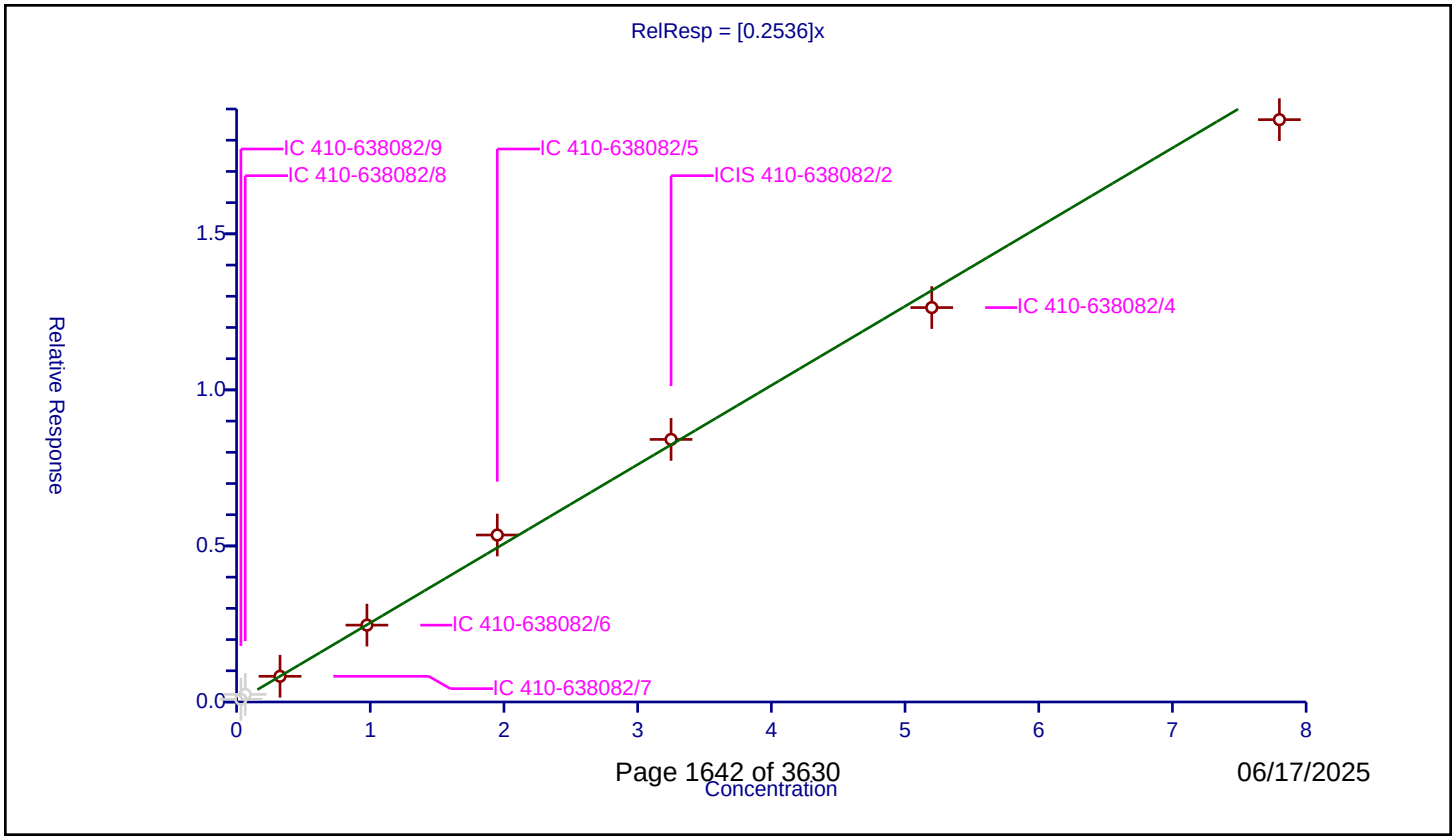
Curve Coefficients

Intercept:	0
Slope:	0.2536

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.0325	0.008654	5.0	505563.0	0.266268	N
2	IC 410-638082/8	0.065	0.024412	5.0	573291.0	0.375564	N
3	IC 410-638082/7	0.325	0.082367	5.0	736523.0	0.253436	Y
4	IC 410-638082/6	0.975	0.246322	5.0	614134.0	0.252638	Y
5	IC 410-638082/5	1.95	0.535034	5.0	708871.0	0.274376	Y
6	ICIS 410-638082/2	3.25	0.841342	5.0	800941.0	0.258874	Y
7	IC 410-638082/4	5.2	1.263744	5.0	672941.0	0.243028	Y
8	IC 410-638082/3	7.8	1.865889	5.0	953532.0	0.239217	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

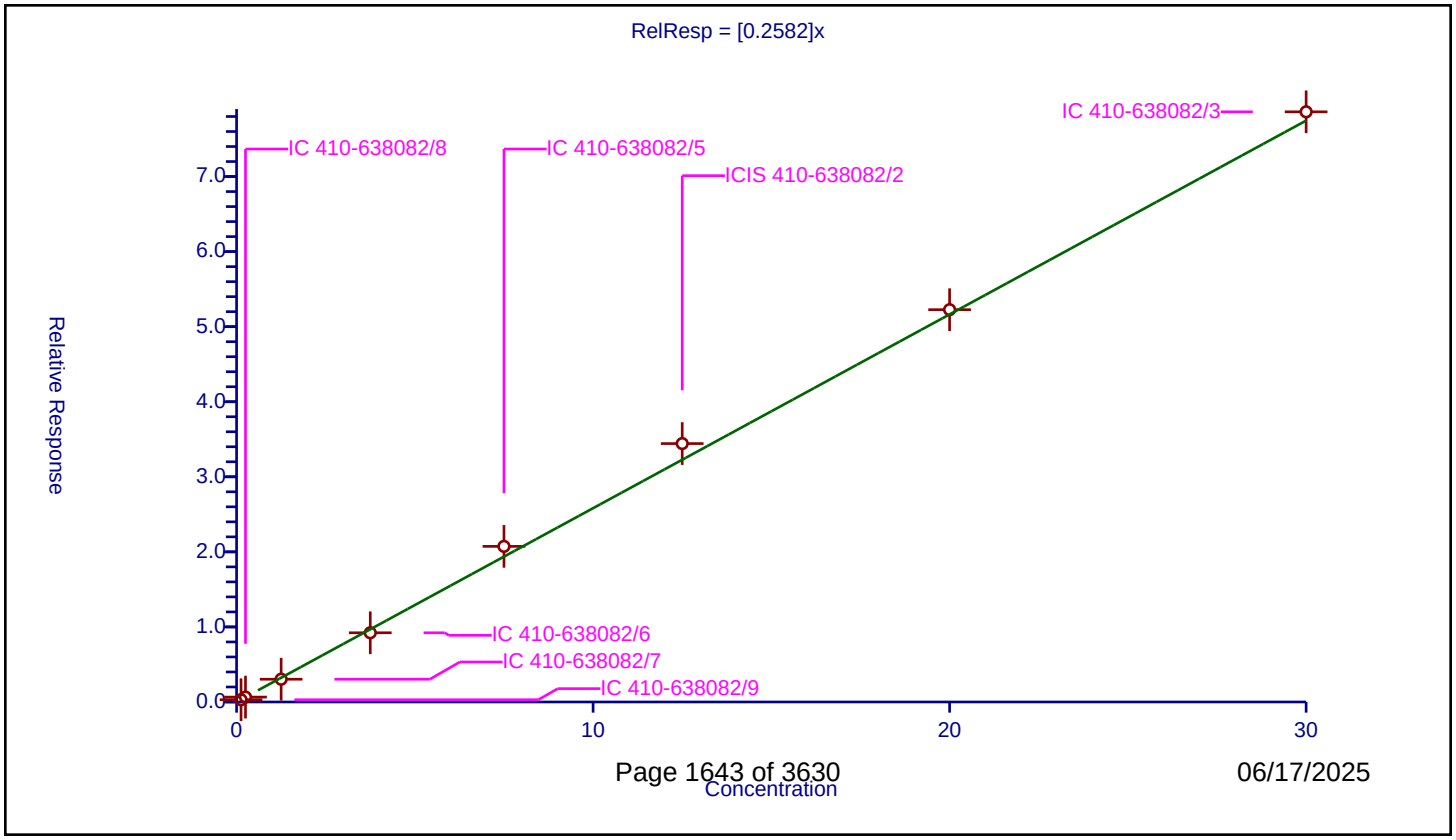
Curve Coefficients

Intercept:	0
Slope:	0.2582

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.030105	5.0	505563.0	0.24084	Y
2	IC 410-638082/8	0.25	0.065237	5.0	573291.0	0.26095	Y
3	IC 410-638082/7	1.25	0.303195	5.0	736523.0	0.242556	Y
4	IC 410-638082/6	3.75	0.921965	5.0	614134.0	0.245857	Y
5	IC 410-638082/5	7.5	2.073318	5.0	708871.0	0.276442	Y
6	ICIS 410-638082/2	12.5	3.442832	5.0	800941.0	0.275427	Y
7	IC 410-638082/4	20.0	5.226461	5.0	672941.0	0.261323	Y
8	IC 410-638082/3	30.0	7.862641	5.0	953532.0	0.262088	Y



Calibration / Dimethoate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

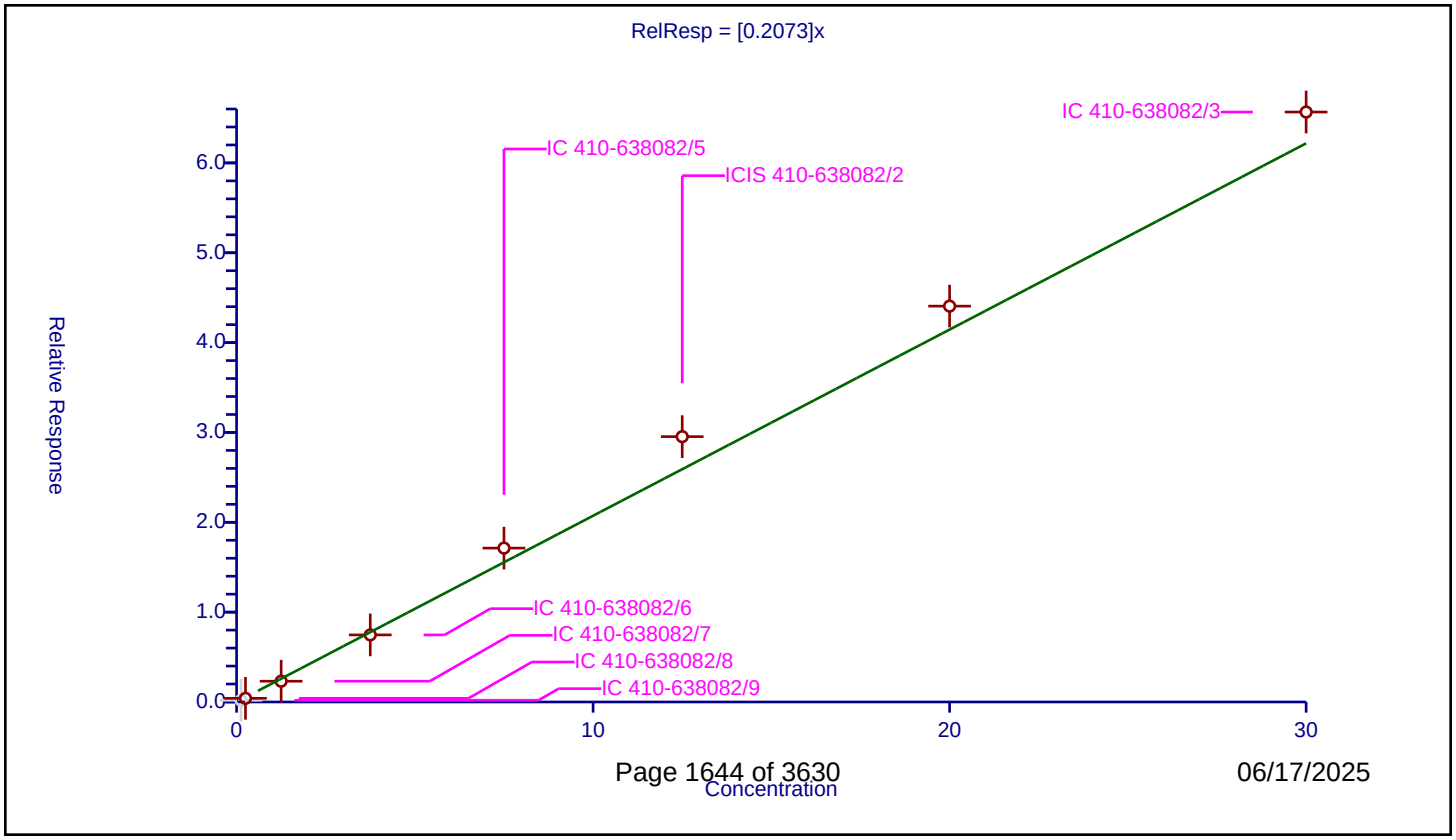
Curve Coefficients

Intercept:	0
Slope:	0.2073

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.019216	5.0	505563.0	0.15373	N
2	IC 410-638082/8	0.25	0.040712	5.0	573291.0	0.162849	Y
3	IC 410-638082/7	1.25	0.231269	5.0	736523.0	0.185015	Y
4	IC 410-638082/6	3.75	0.746694	5.0	614134.0	0.199118	Y
5	IC 410-638082/5	7.5	1.712808	5.0	708871.0	0.228374	Y
6	ICIS 410-638082/2	12.5	2.953251	5.0	800941.0	0.23626	Y
7	IC 410-638082/4	20.0	4.405884	5.0	672941.0	0.220294	Y
8	IC 410-638082/3	30.0	6.56645	5.0	953532.0	0.218882	Y



Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

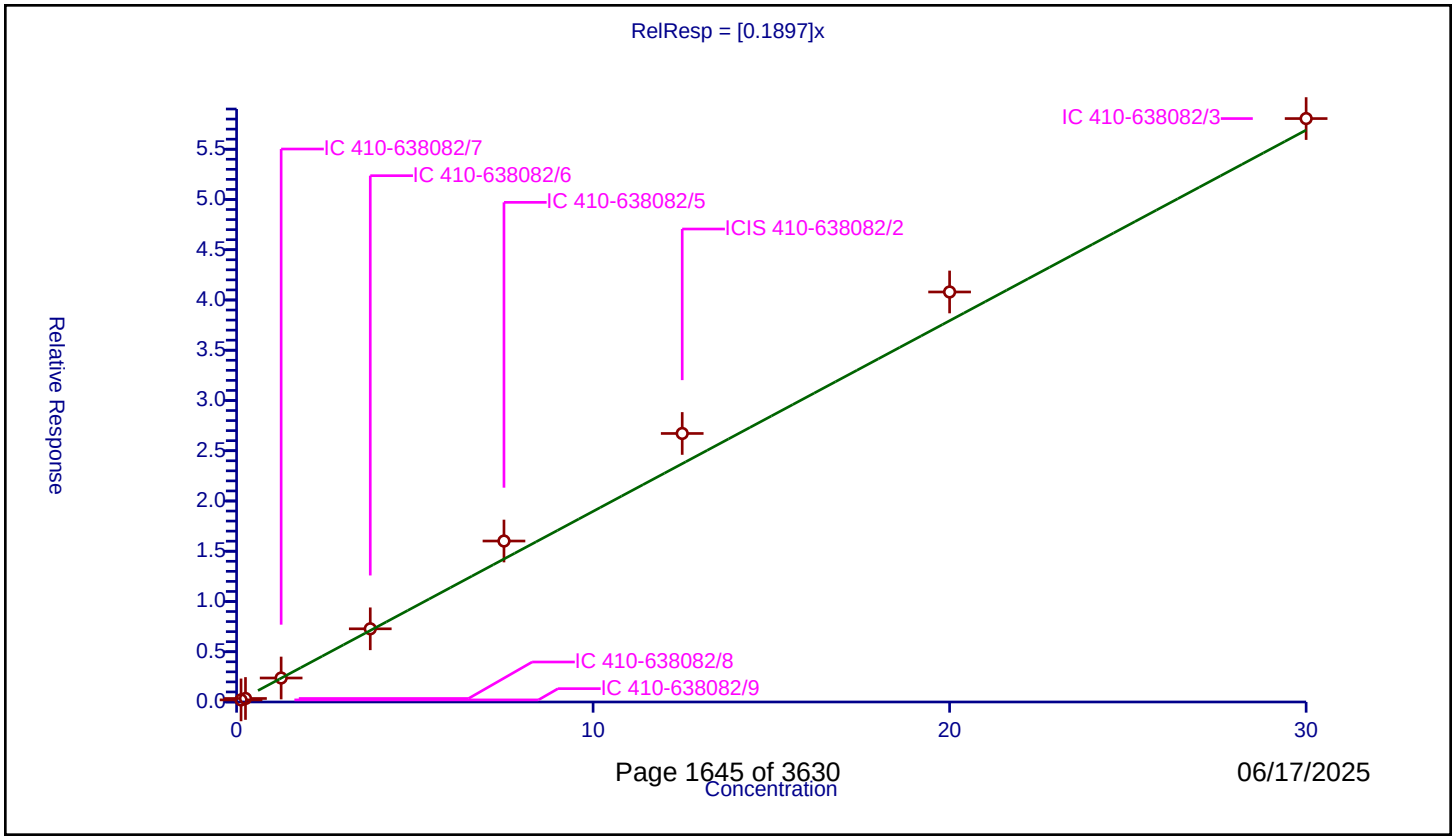
Curve Coefficients

Intercept:	0
Slope:	0.1897

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.020947	5.0	505563.0	0.167576	Y
2	IC 410-638082/8	0.25	0.034974	5.0	573291.0	0.139894	Y
3	IC 410-638082/7	1.25	0.238784	5.0	736523.0	0.191027	Y
4	IC 410-638082/6	3.75	0.728066	5.0	614134.0	0.194151	Y
5	IC 410-638082/5	7.5	1.601751	5.0	708871.0	0.213567	Y
6	ICIS 410-638082/2	12.5	2.671801	5.0	800941.0	0.213744	Y
7	IC 410-638082/4	20.0	4.079652	5.0	672941.0	0.203983	Y
8	IC 410-638082/3	30.0	5.804955	5.0	953532.0	0.193498	Y



Calibration / 4-Aminobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

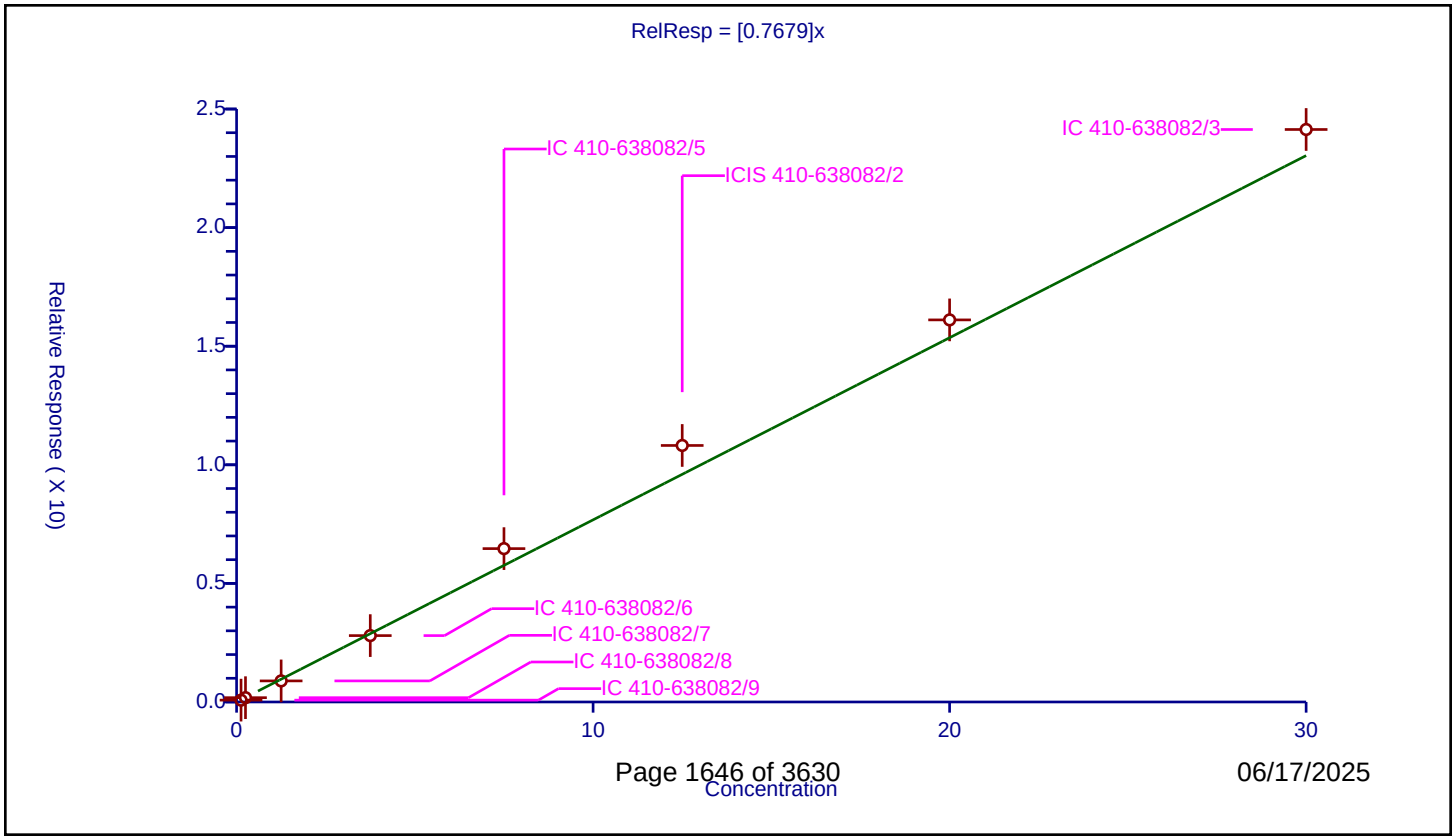
Curve Coefficients

Intercept:	0
Slope:	0.7679

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.077992	5.0	505563.0	0.623938	Y
2	IC 410-638082/8	0.25	0.18113	5.0	573291.0	0.724519	Y
3	IC 410-638082/7	1.25	0.888424	5.0	736523.0	0.71074	Y
4	IC 410-638082/6	3.75	2.799226	5.0	614134.0	0.74646	Y
5	IC 410-638082/5	7.5	6.465972	5.0	708871.0	0.86213	Y
6	ICIS 410-638082/2	12.5	10.815048	5.0	800941.0	0.865204	Y
7	IC 410-638082/4	20.0	16.108886	5.0	672941.0	0.805444	Y
8	IC 410-638082/3	30.0	24.137066	5.0	953532.0	0.804569	Y



Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

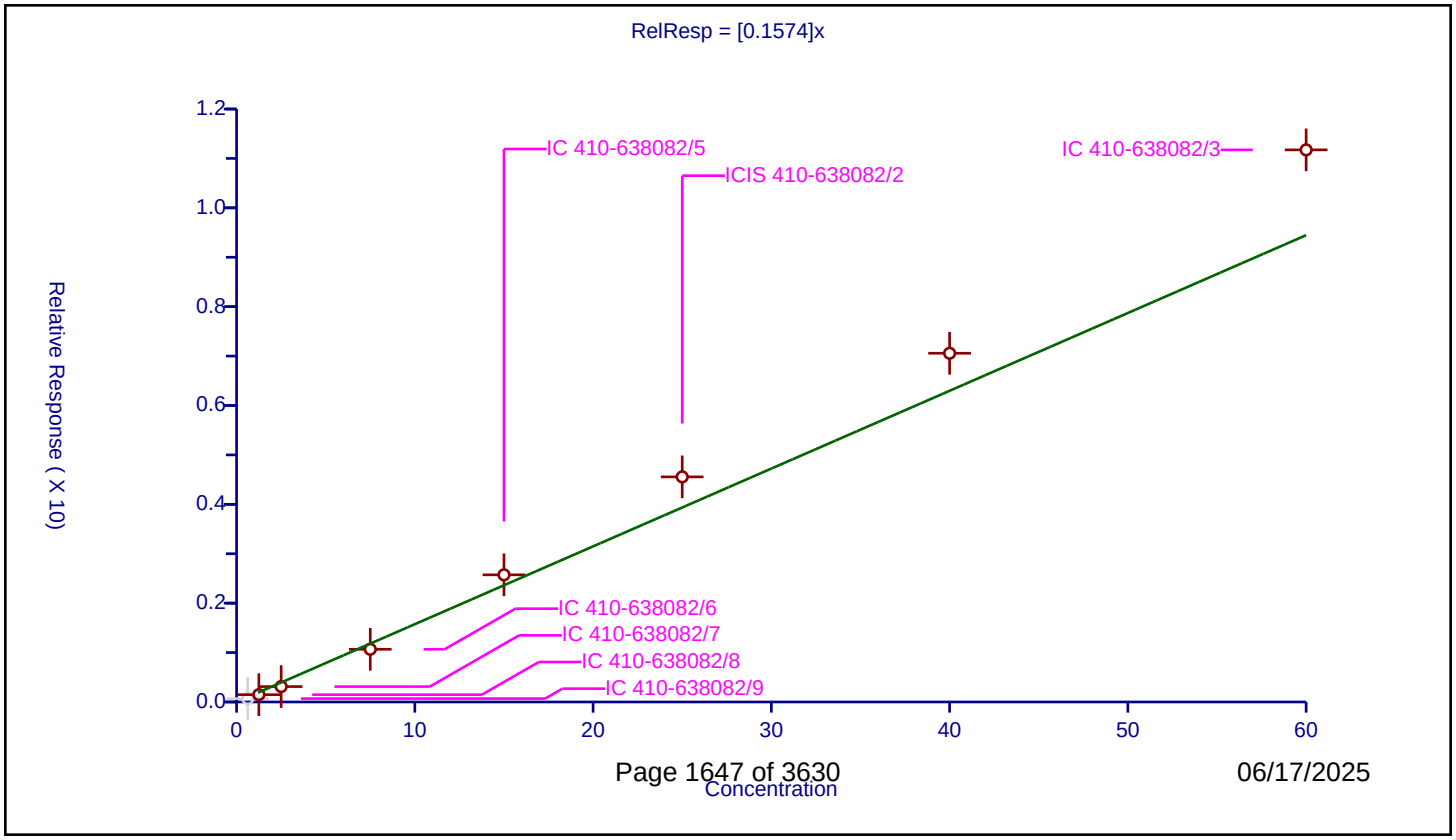
Curve Coefficients

Intercept:	0
Slope:	0.1574

Error Coefficients

Relative Standard Deviation:	18.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.625	0.068983	5.0	505563.0	0.110372	N
2	IC 410-638082/8	1.25	0.148398	5.0	573291.0	0.118718	Y
3	IC 410-638082/7	2.5	0.311823	5.0	736523.0	0.124729	Y
4	IC 410-638082/6	7.5	1.066437	5.0	614134.0	0.142192	Y
5	IC 410-638082/5	15.0	2.573423	5.0	708871.0	0.171562	Y
6	ICIS 410-638082/2	25.0	4.555261	5.0	800941.0	0.18221	Y
7	IC 410-638082/4	40.0	7.057431	5.0	672941.0	0.176436	Y
8	IC 410-638082/3	60.0	11.17349	5.0	953532.0	0.186225	Y



Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

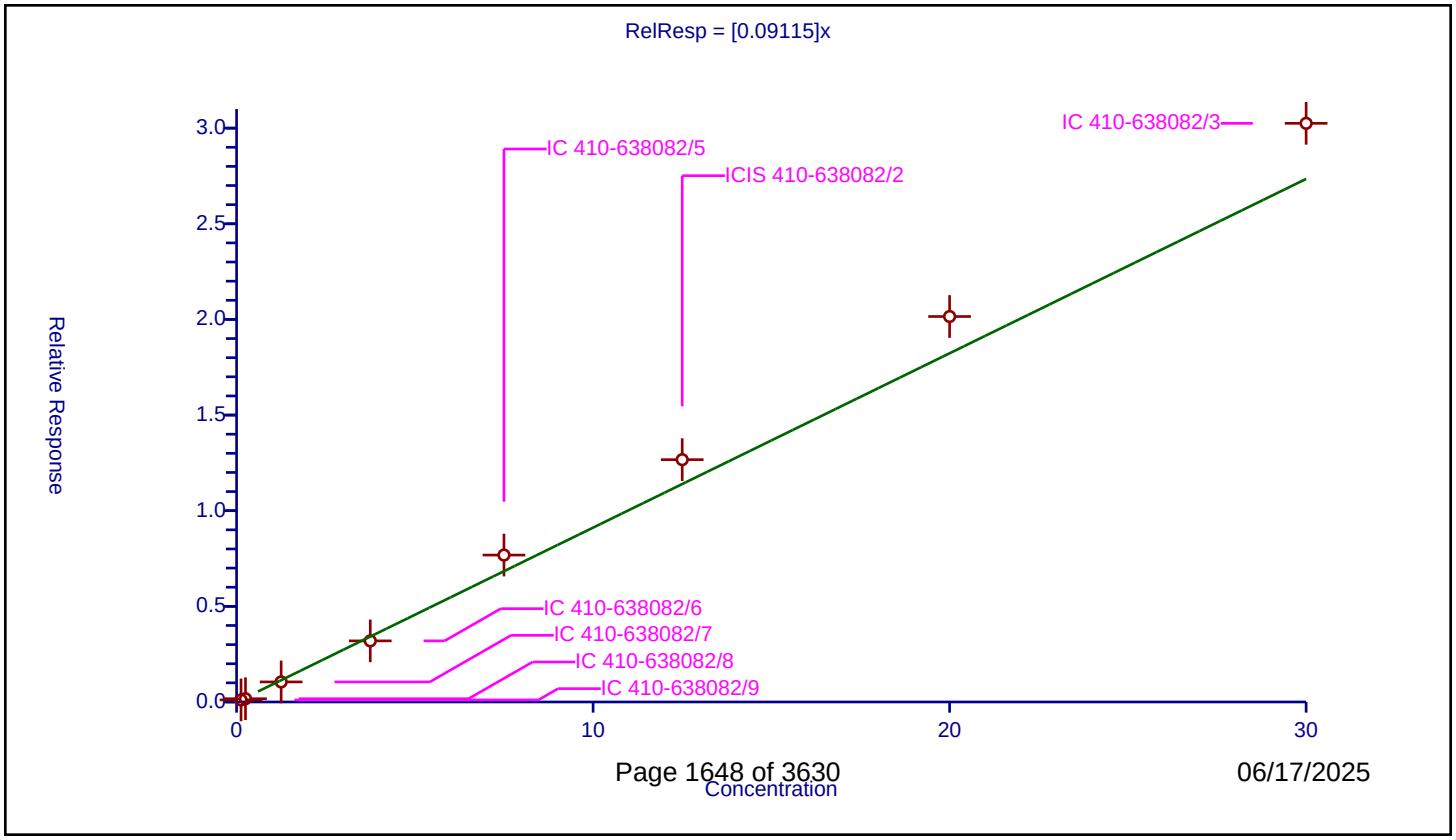
Curve Coefficients

Intercept:	0
Slope:	0.09115

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.01076	5.0	505563.0	0.086082	Y
2	IC 410-638082/8	0.25	0.017147	5.0	573291.0	0.068586	Y
3	IC 410-638082/7	1.25	0.104953	5.0	736523.0	0.083962	Y
4	IC 410-638082/6	3.75	0.31945	5.0	614134.0	0.085187	Y
5	IC 410-638082/5	7.5	0.768066	5.0	708871.0	0.102409	Y
6	ICIS 410-638082/2	12.5	1.26696	5.0	800941.0	0.101357	Y
7	IC 410-638082/4	20.0	2.015258	5.0	672941.0	0.100763	Y
8	IC 410-638082/3	30.0	3.025169	5.0	953532.0	0.100839	Y



Calibration / Pronamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

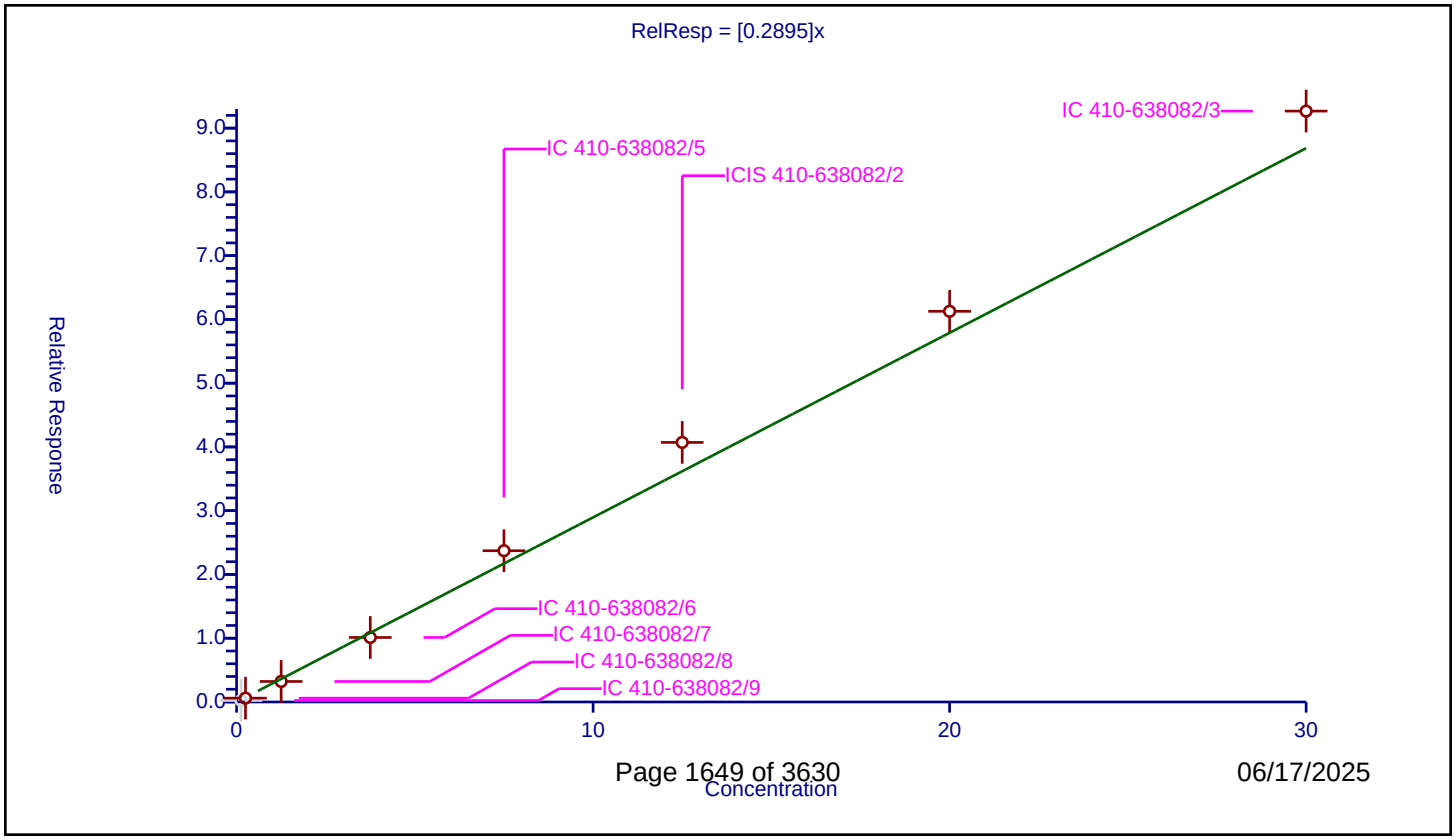
Curve Coefficients

Intercept:	0
Slope:	0.2895

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.023706	5.0	505563.0	0.18965	N
2	IC 410-638082/8	0.25	0.060493	5.0	573291.0	0.241971	Y
3	IC 410-638082/7	1.25	0.32185	5.0	736523.0	0.25748	Y
4	IC 410-638082/6	3.75	1.011766	5.0	614134.0	0.269804	Y
5	IC 410-638082/5	7.5	2.372442	5.0	708871.0	0.316326	Y
6	ICIS 410-638082/2	12.5	4.071011	5.0	800941.0	0.325681	Y
7	IC 410-638082/4	20.0	6.127484	5.0	672941.0	0.306374	Y
8	IC 410-638082/3	30.0	9.267439	5.0	953532.0	0.308915	Y



Calibration / Dinoseb

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

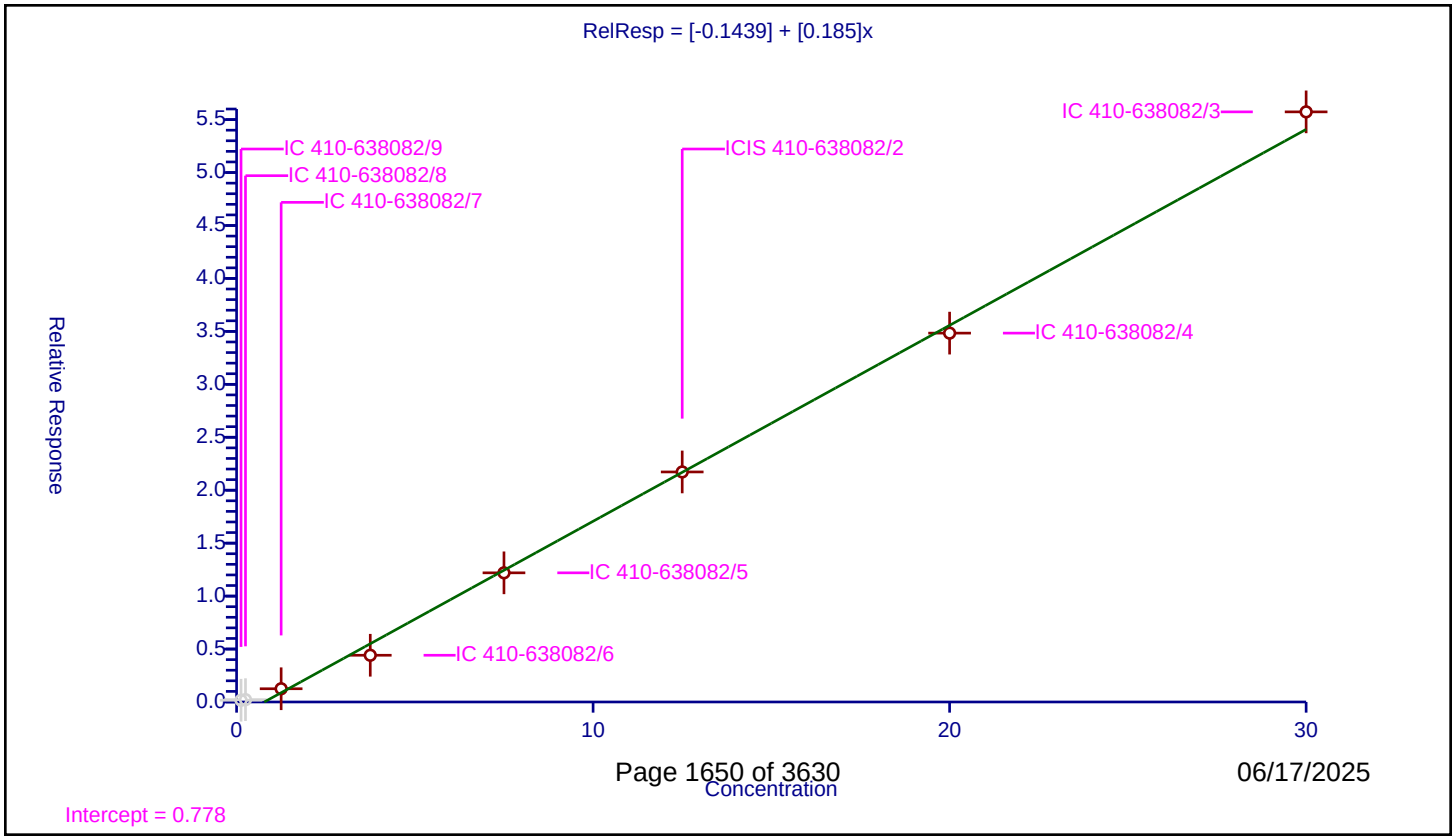
Curve Coefficients

Intercept:	-0.1439
Slope:	0.185

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.016526	5.0	505563.0	0.132209	N
2	IC 410-638082/8	0.25	0.022013	5.0	573291.0	0.088053	N
3	IC 410-638082/7	1.25	0.125095	5.0	736523.0	0.100076	Y
4	IC 410-638082/6	3.75	0.441239	5.0	614134.0	0.117664	Y
5	IC 410-638082/5	7.5	1.219672	5.0	708871.0	0.162623	Y
6	ICIS 410-638082/2	12.5	2.172457	5.0	800941.0	0.173797	Y
7	IC 410-638082/4	20.0	3.483671	5.0	672941.0	0.174184	Y
8	IC 410-638082/3	30.0	5.573085	5.0	953532.0	0.18577	Y



Calibration / Disulfoton

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

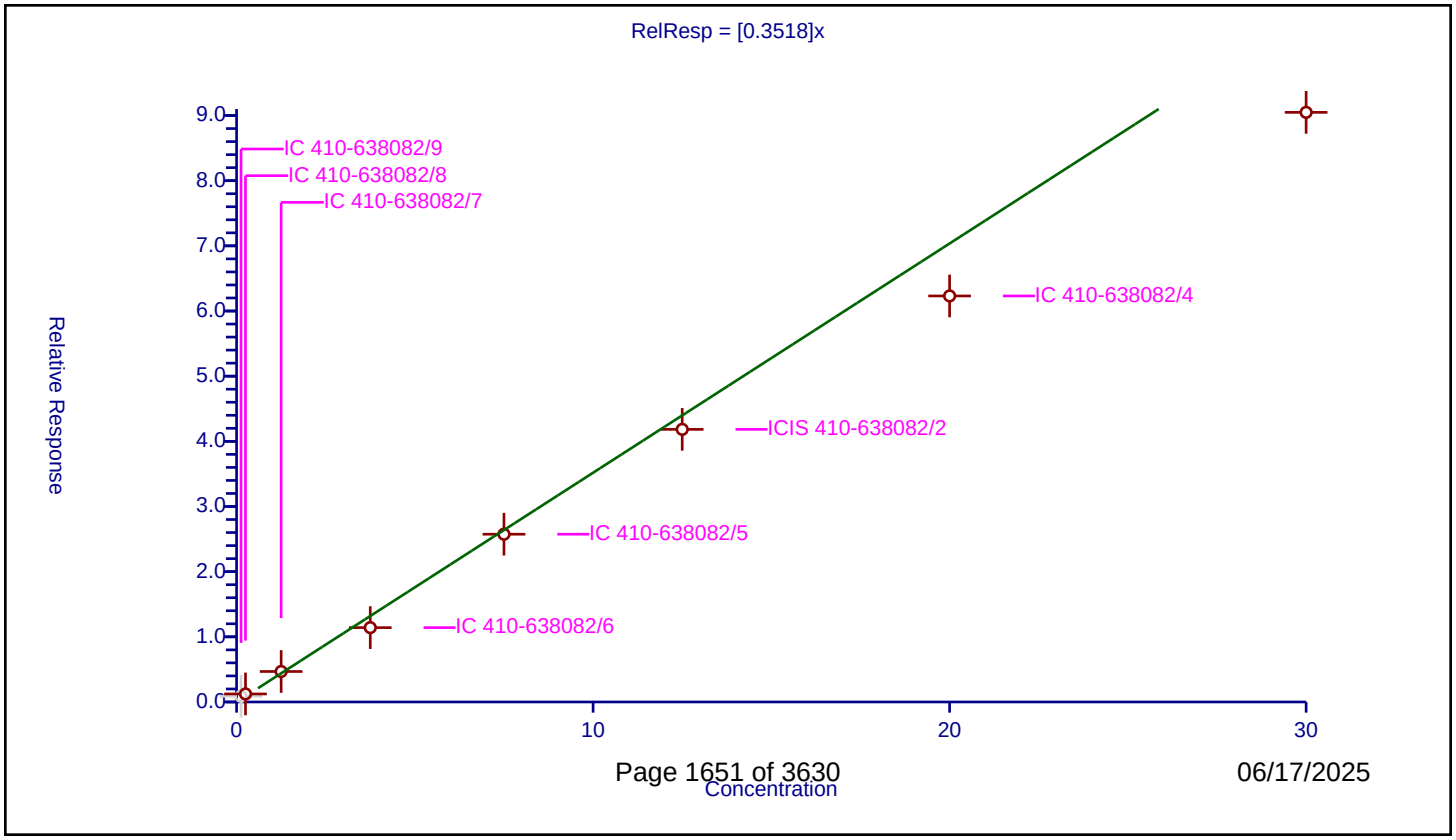
Curve Coefficients

Intercept:	0
Slope:	0.3518

Error Coefficients

Relative Standard Deviation:	19.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.087922	5.0	505563.0	0.703374	N
2	IC 410-638082/8	0.25	0.123201	5.0	573291.0	0.492804	Y
3	IC 410-638082/7	1.25	0.468064	5.0	736523.0	0.374451	Y
4	IC 410-638082/6	3.75	1.14107	5.0	614134.0	0.304285	Y
5	IC 410-638082/5	7.5	2.574686	5.0	708871.0	0.343291	Y
6	ICIS 410-638082/2	12.5	4.183654	5.0	800941.0	0.334692	Y
7	IC 410-638082/4	20.0	6.231155	5.0	672941.0	0.311558	Y
8	IC 410-638082/3	30.0	9.048669	5.0	953532.0	0.301622	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

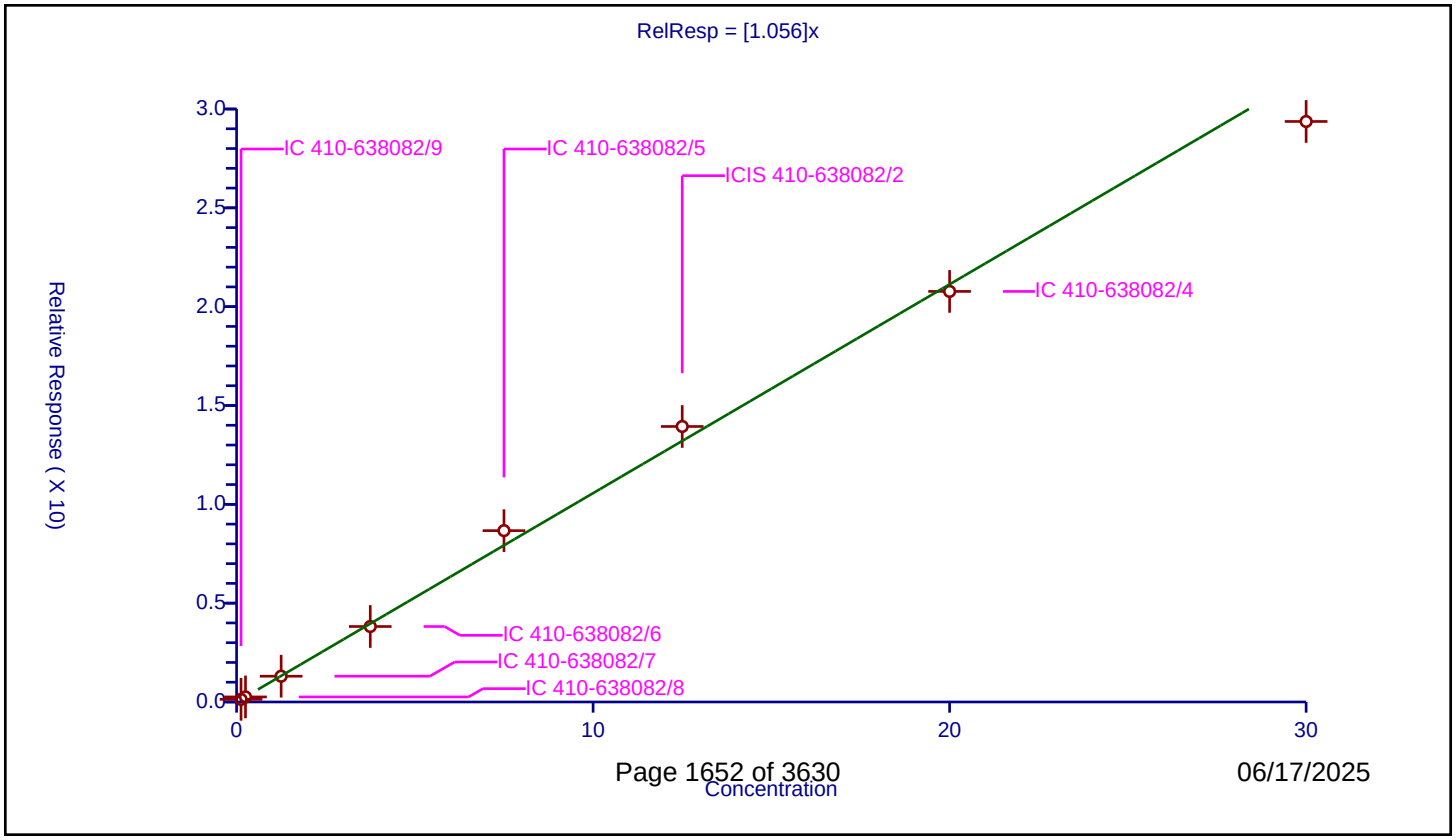
Curve Coefficients

Intercept:	0
Slope:	1.056

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.13479	5.0	505563.0	1.078323	Y
2	IC 410-638082/8	0.25	0.255769	5.0	573291.0	1.023076	Y
3	IC 410-638082/7	1.25	1.304528	5.0	736523.0	1.043623	Y
4	IC 410-638082/6	3.75	3.819142	5.0	614134.0	1.018438	Y
5	IC 410-638082/5	7.5	8.668418	5.0	708871.0	1.155789	Y
6	ICIS 410-638082/2	12.5	13.939117	5.0	800941.0	1.115129	Y
7	IC 410-638082/4	20.0	20.771524	5.0	672941.0	1.038576	Y
8	IC 410-638082/3	30.0	29.369727	5.0	953532.0	0.978991	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

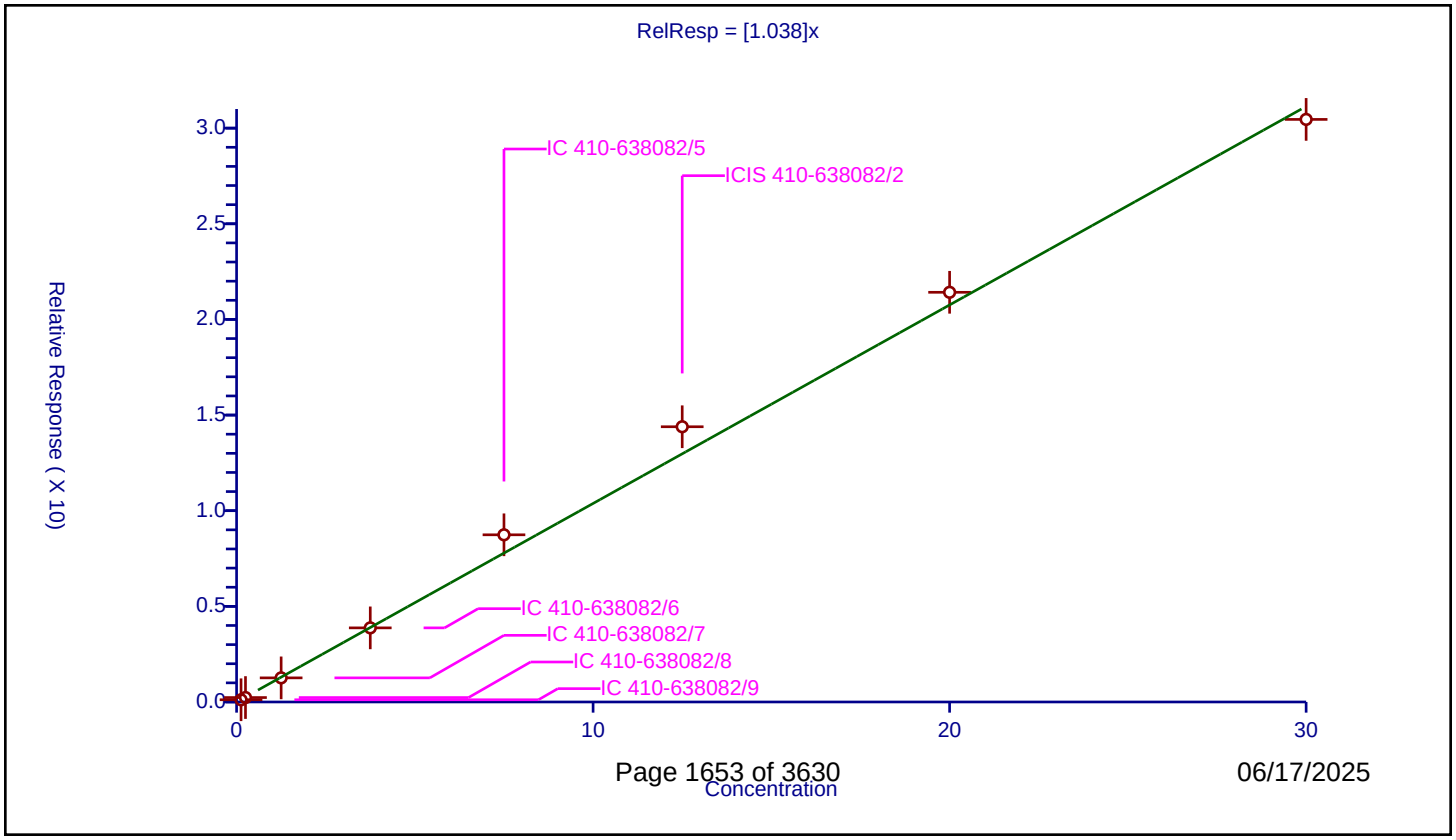
Curve Coefficients

Intercept:	0
Slope:	1.038

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.116395	5.0	505563.0	0.93116	Y
2	IC 410-638082/8	0.25	0.231628	5.0	573291.0	0.92651	Y
3	IC 410-638082/7	1.25	1.261624	5.0	736523.0	1.009299	Y
4	IC 410-638082/6	3.75	3.874684	5.0	614134.0	1.033249	Y
5	IC 410-638082/5	7.5	8.740025	5.0	708871.0	1.165337	Y
6	ICIS 410-638082/2	12.5	14.388688	5.0	800941.0	1.151095	Y
7	IC 410-638082/4	20.0	21.417732	5.0	672941.0	1.070887	Y
8	IC 410-638082/3	30.0	30.456655	5.0	953532.0	1.015222	Y



Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

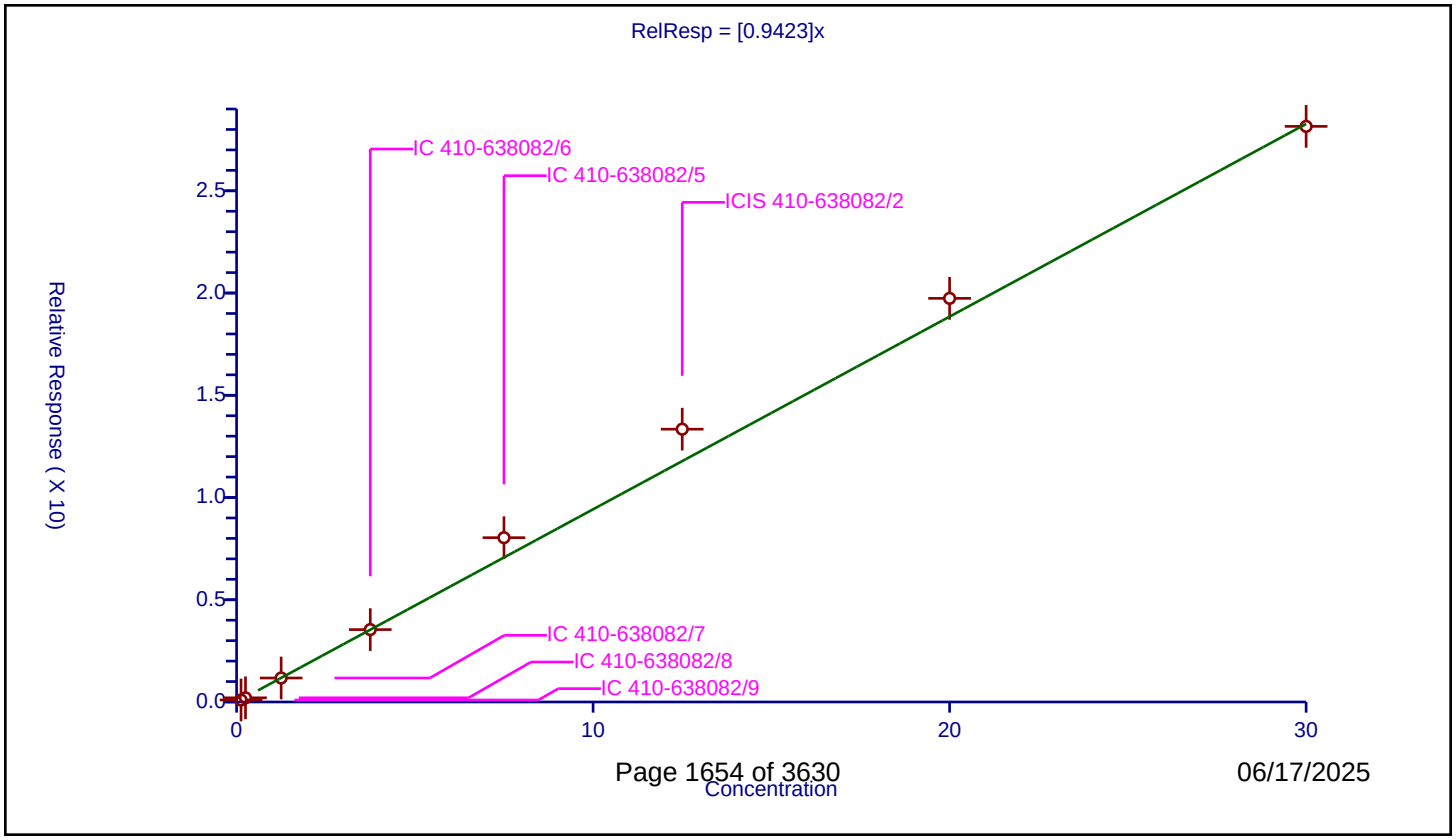
Curve Coefficients

Intercept:	0
Slope:	0.9423

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.097021	5.0	505563.0	0.776164	Y
2	IC 410-638082/8	0.25	0.203867	5.0	573291.0	0.815467	Y
3	IC 410-638082/7	1.25	1.173378	5.0	736523.0	0.938703	Y
4	IC 410-638082/6	3.75	3.540473	5.0	614134.0	0.944126	Y
5	IC 410-638082/5	7.5	8.035447	5.0	708871.0	1.071393	Y
6	ICIS 410-638082/2	12.5	13.342125	5.0	800941.0	1.06737	Y
7	IC 410-638082/4	20.0	19.740356	5.0	672941.0	0.987018	Y
8	IC 410-638082/3	30.0	28.151326	5.0	953532.0	0.938378	Y



Calibration / Methyl parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

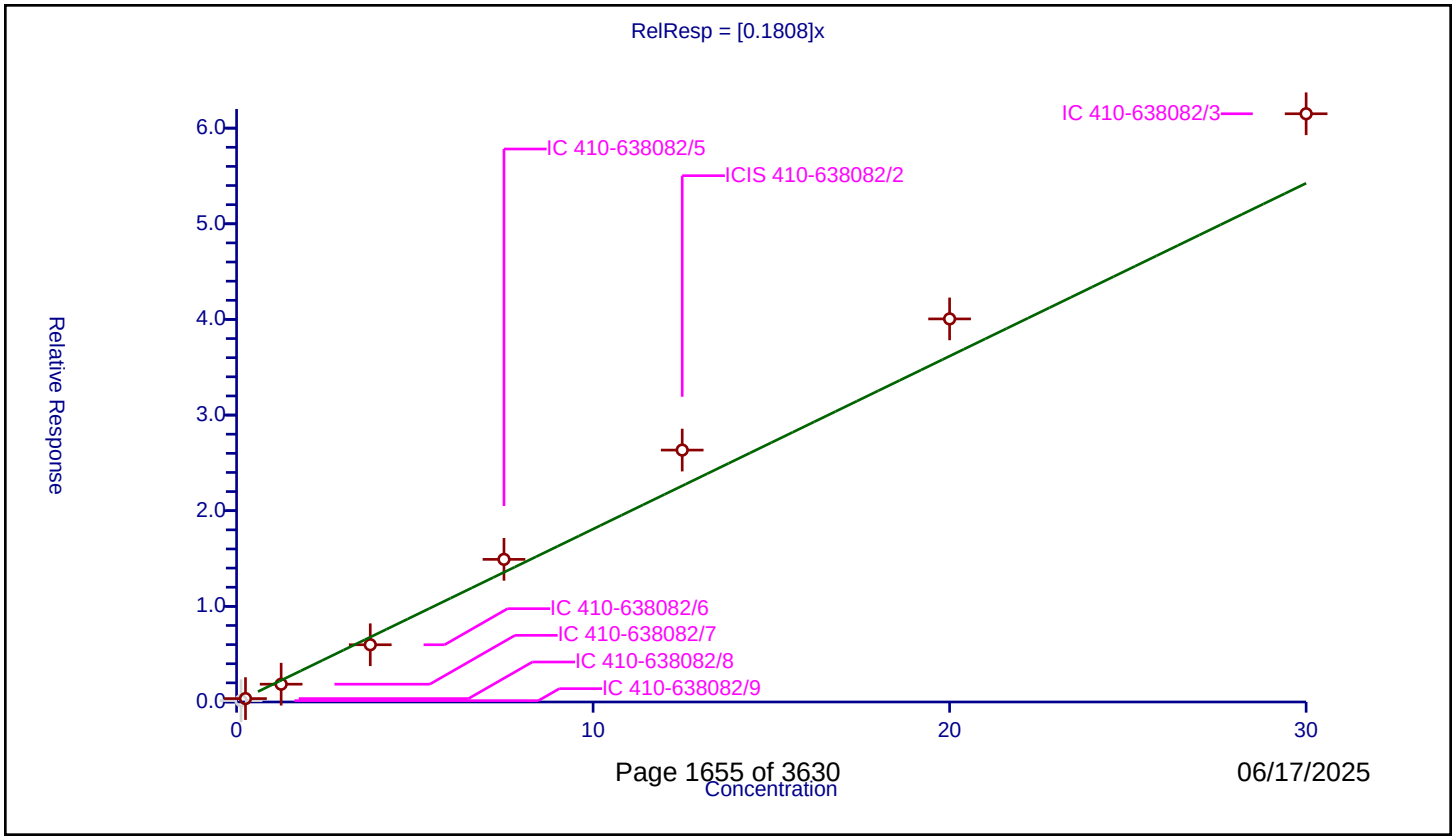
Curve Coefficients

Intercept:	0
Slope:	0.1808

Error Coefficients

Relative Standard Deviation:	16.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.014093	5.0	505563.0	0.112746	N
2	IC 410-638082/8	0.25	0.035575	5.0	573291.0	0.142301	Y
3	IC 410-638082/7	1.25	0.186084	5.0	736523.0	0.148867	Y
4	IC 410-638082/6	3.75	0.598444	5.0	614134.0	0.159585	Y
5	IC 410-638082/5	7.5	1.491266	5.0	708871.0	0.198835	Y
6	ICIS 410-638082/2	12.5	2.633971	5.0	800941.0	0.210718	Y
7	IC 410-638082/4	20.0	4.005269	5.0	672941.0	0.200263	Y
8	IC 410-638082/3	30.0	6.15026	5.0	953532.0	0.205009	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

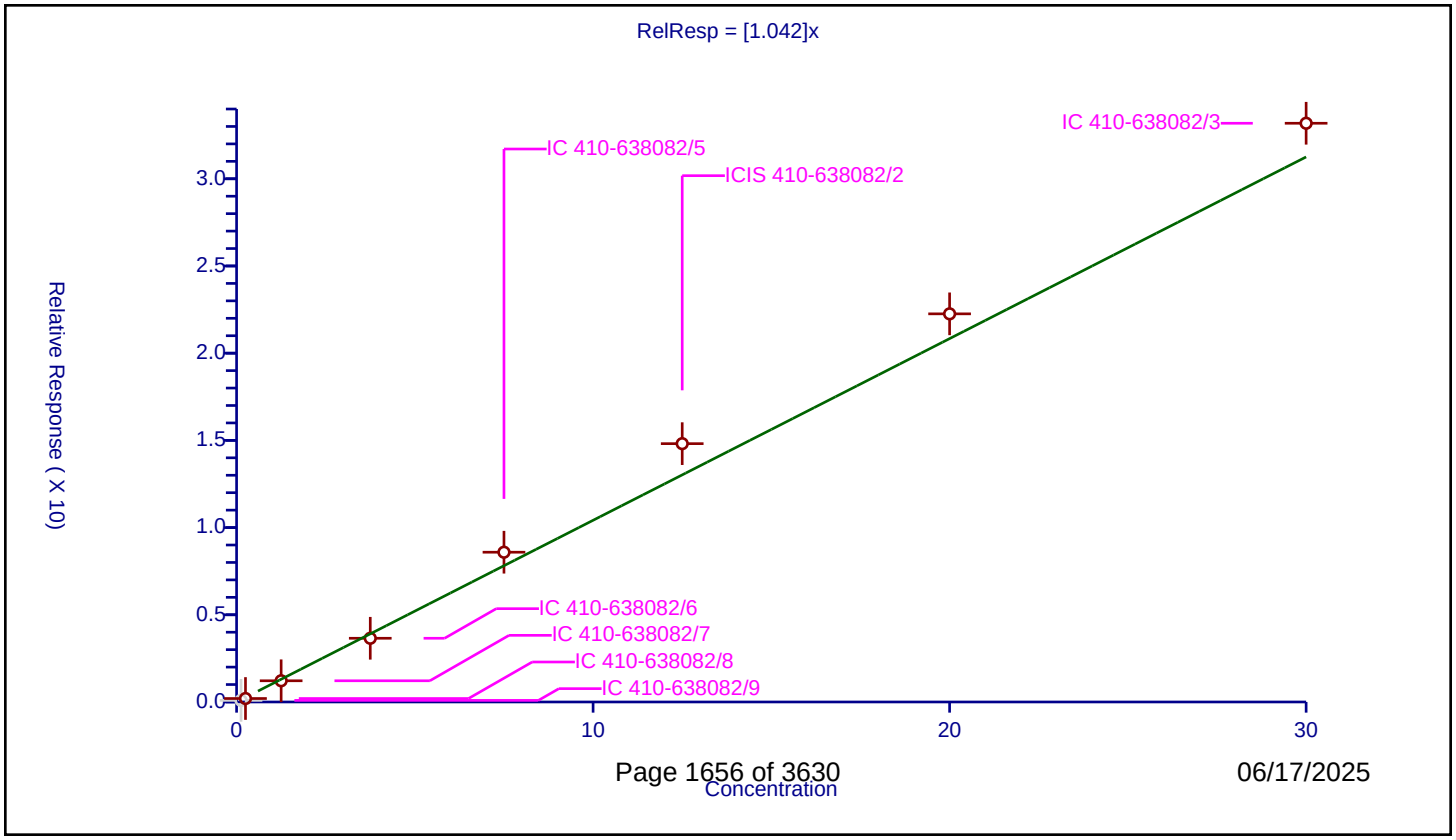
Curve Coefficients

Intercept:	0
Slope:	1.042

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.092155	5.0	505563.0	0.737237	N
2	IC 410-638082/8	0.25	0.198957	5.0	573291.0	0.795826	Y
3	IC 410-638082/7	1.25	1.216948	5.0	736523.0	0.973558	Y
4	IC 410-638082/6	3.75	3.652932	5.0	614134.0	0.974115	Y
5	IC 410-638082/5	7.5	8.587127	5.0	708871.0	1.14495	Y
6	ICIS 410-638082/2	12.5	14.811921	5.0	800941.0	1.184954	Y
7	IC 410-638082/4	20.0	22.254997	5.0	672941.0	1.11275	Y
8	IC 410-638082/3	30.0	33.183296	5.0	953532.0	1.10611	Y



Calibration / Ethyl Parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

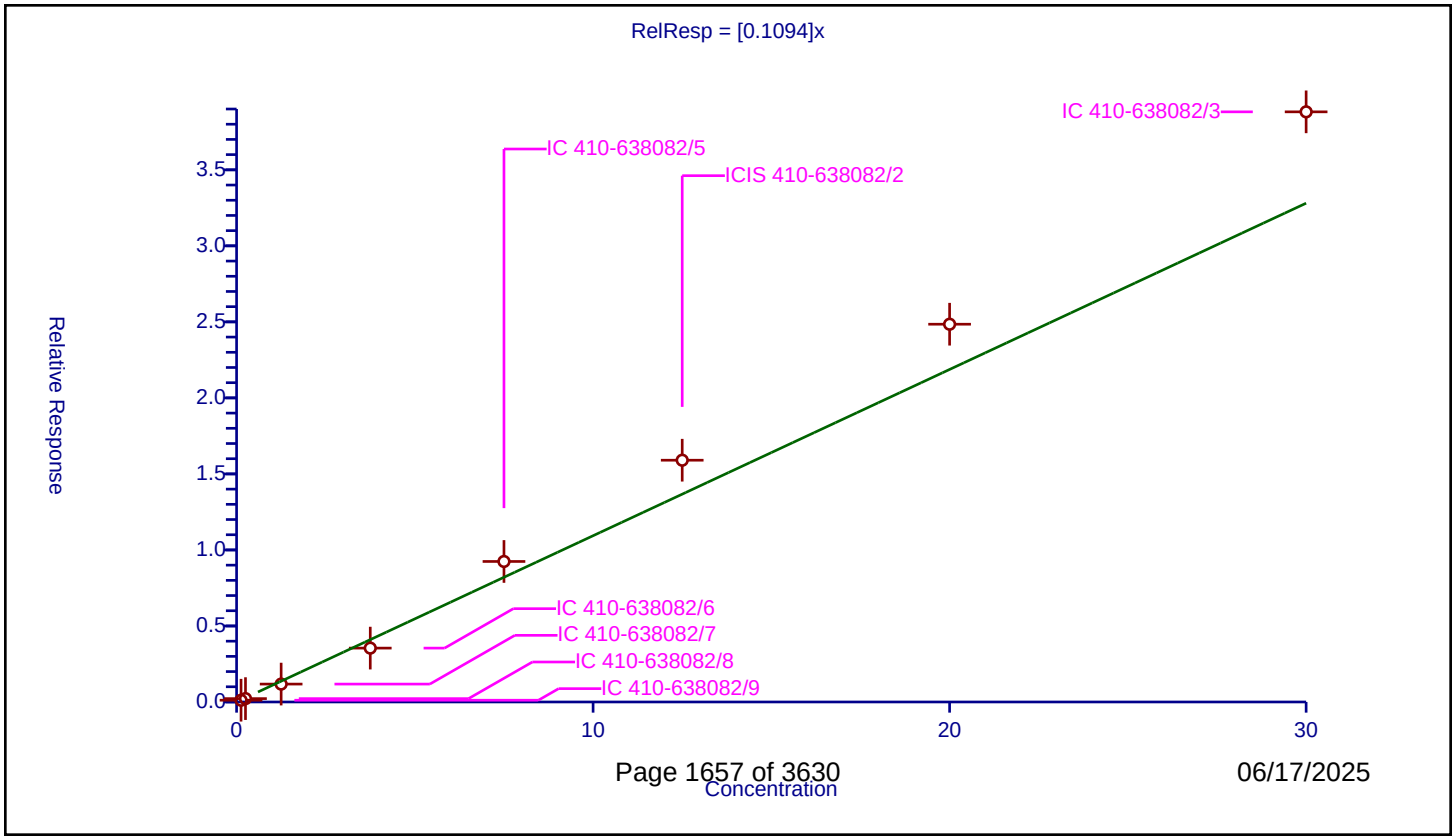
Curve Coefficients

Intercept:	0
Slope:	0.1094

Error Coefficients

Relative Standard Deviation:	16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.01164	5.0	505563.0	0.093124	Y
2	IC 410-638082/8	0.25	0.02224	5.0	573291.0	0.08896	Y
3	IC 410-638082/7	1.25	0.117715	5.0	736523.0	0.094172	Y
4	IC 410-638082/6	3.75	0.354442	5.0	614134.0	0.094518	Y
5	IC 410-638082/5	7.5	0.924131	5.0	708871.0	0.123218	Y
6	ICIS 410-638082/2	12.5	1.590161	5.0	800941.0	0.127213	Y
7	IC 410-638082/4	20.0	2.484616	5.0	672941.0	0.124231	Y
8	IC 410-638082/3	30.0	3.881338	5.0	953532.0	0.129378	Y



Calibration / 4-Nitroquinoline-1-oxide

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

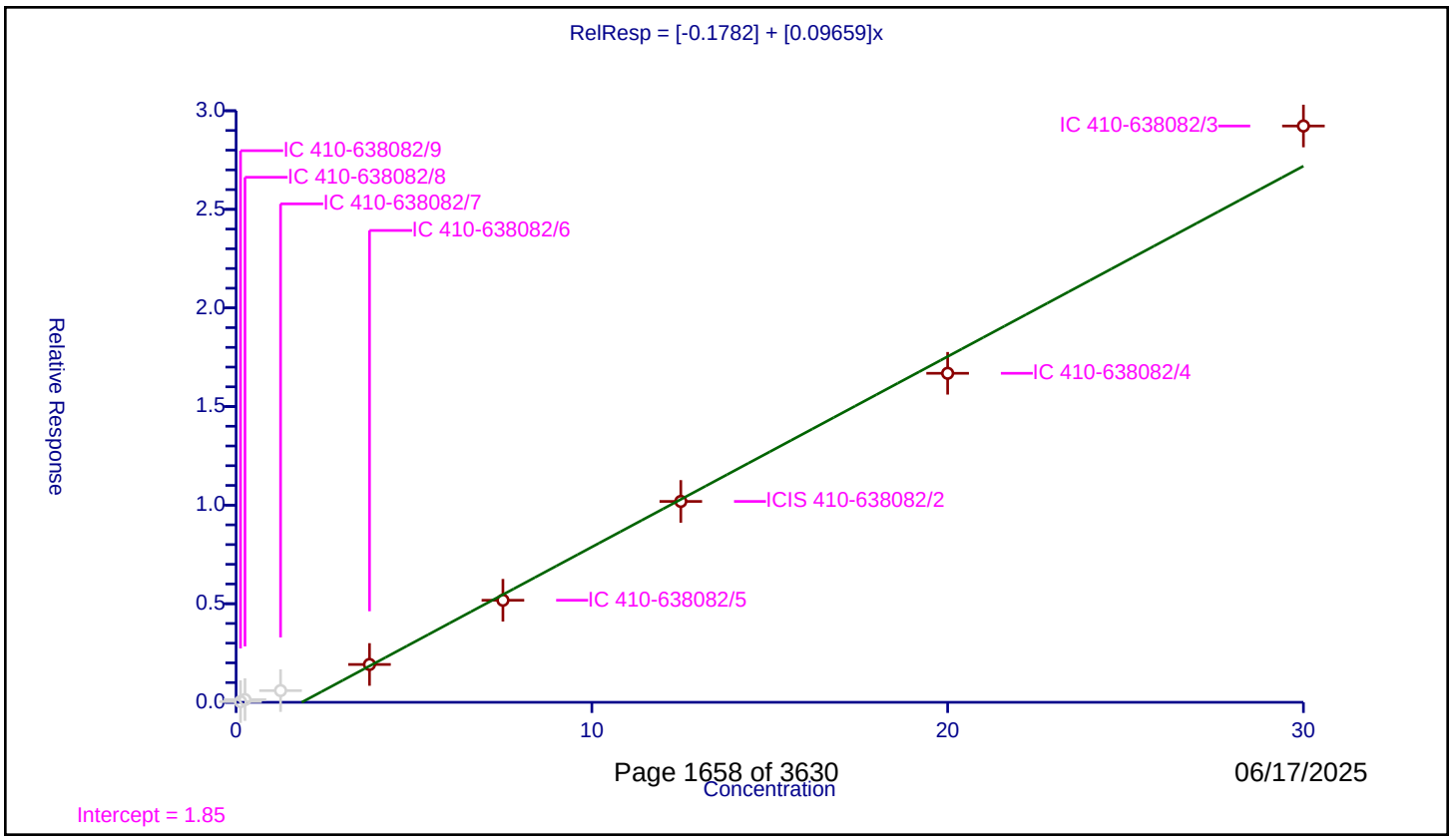
Curve Coefficients

Intercept:	-0.1782
Slope:	0.09659

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.00358	5.0	505563.0	0.028641	N
2	IC 410-638082/8	0.25	0.013771	5.0	573291.0	0.055085	N
3	IC 410-638082/7	1.25	0.059367	5.0	736523.0	0.047493	N
4	IC 410-638082/6	3.75	0.191856	5.0	614134.0	0.051161	Y
5	IC 410-638082/5	7.5	0.517605	5.0	708871.0	0.069014	Y
6	ICIS 410-638082/2	12.5	1.01882	5.0	800941.0	0.081506	Y
7	IC 410-638082/4	20.0	1.668594	5.0	672941.0	0.08343	Y
8	IC 410-638082/3	30.0	2.922728	5.0	953532.0	0.097424	Y



Calibration / Octachlorostyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

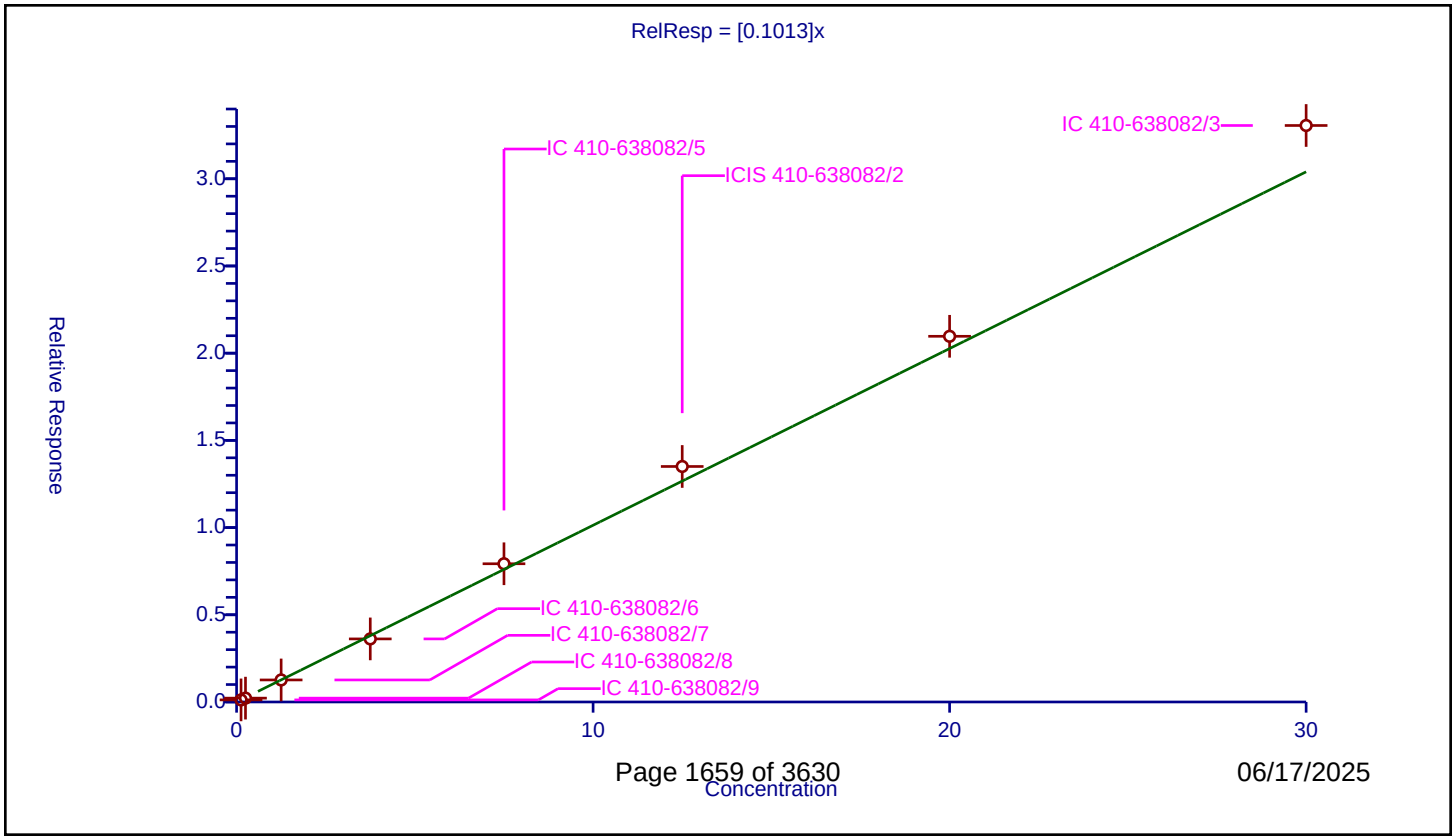
Curve Coefficients

Intercept:	0
Slope:	0.1013

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.011987	5.0	505563.0	0.095893	Y
2	IC 410-638082/8	0.25	0.022118	5.0	573291.0	0.088472	Y
3	IC 410-638082/7	1.25	0.12635	5.0	736523.0	0.10108	Y
4	IC 410-638082/6	3.75	0.361721	5.0	614134.0	0.096459	Y
5	IC 410-638082/5	7.5	0.792563	5.0	708871.0	0.105675	Y
6	ICIS 410-638082/2	12.5	1.350312	5.0	800941.0	0.108025	Y
7	IC 410-638082/4	20.0	2.096885	5.0	672941.0	0.104844	Y
8	IC 410-638082/3	30.0	3.305547	5.0	953532.0	0.110185	Y



Calibration / Isodrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

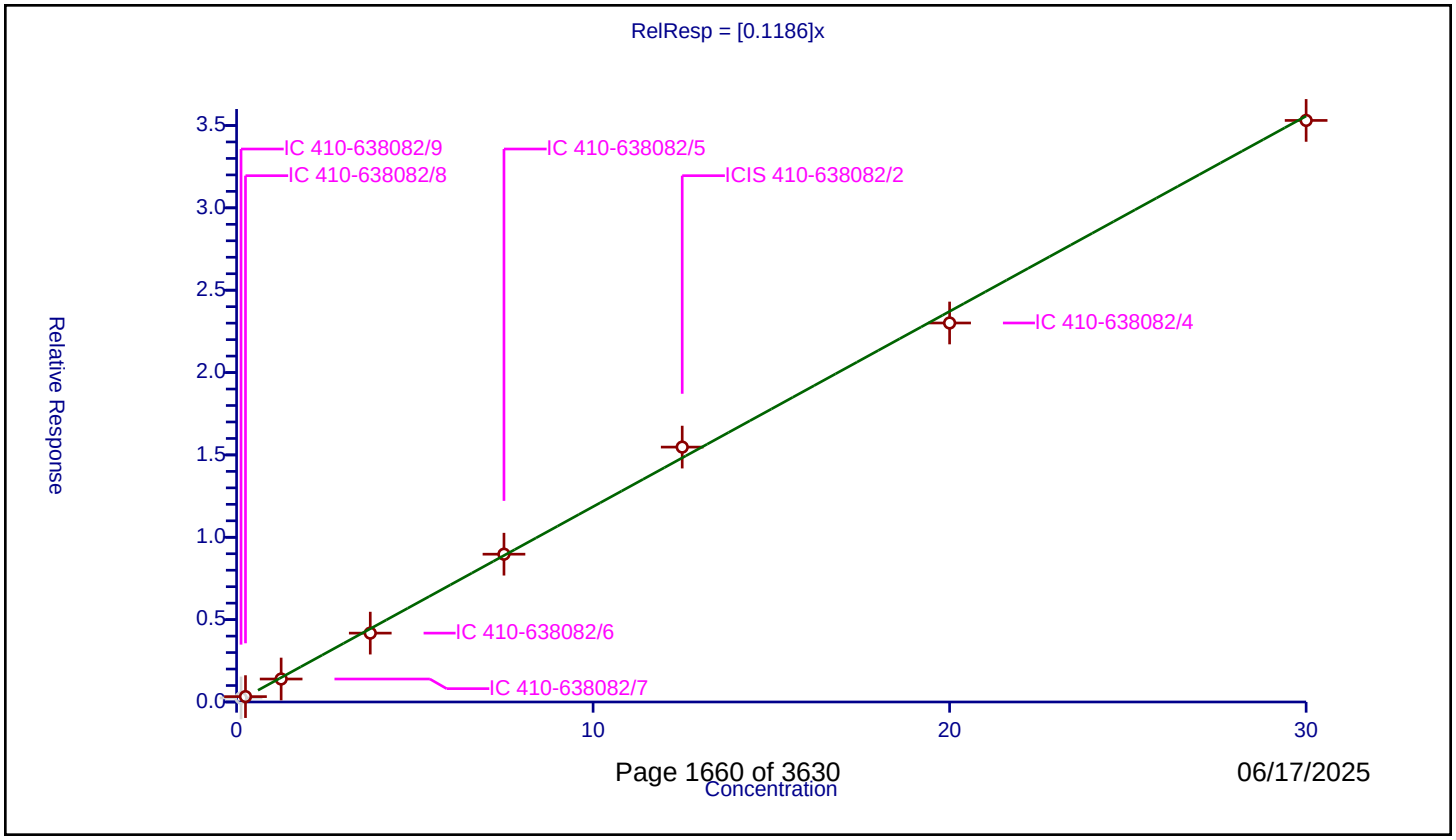
Curve Coefficients

Intercept:	0
Slope:	0.1186

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.024497	5.0	505563.0	0.19598	N
2	IC 410-638082/8	0.25	0.032688	5.0	573291.0	0.130754	Y
3	IC 410-638082/7	1.25	0.139459	5.0	736523.0	0.111567	Y
4	IC 410-638082/6	3.75	0.418109	5.0	614134.0	0.111496	Y
5	IC 410-638082/5	7.5	0.897364	5.0	708871.0	0.119648	Y
6	ICIS 410-638082/2	12.5	1.547436	5.0	800941.0	0.123795	Y
7	IC 410-638082/4	20.0	2.301004	5.0	672941.0	0.11505	Y
8	IC 410-638082/3	30.0	3.530768	5.0	953532.0	0.117692	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

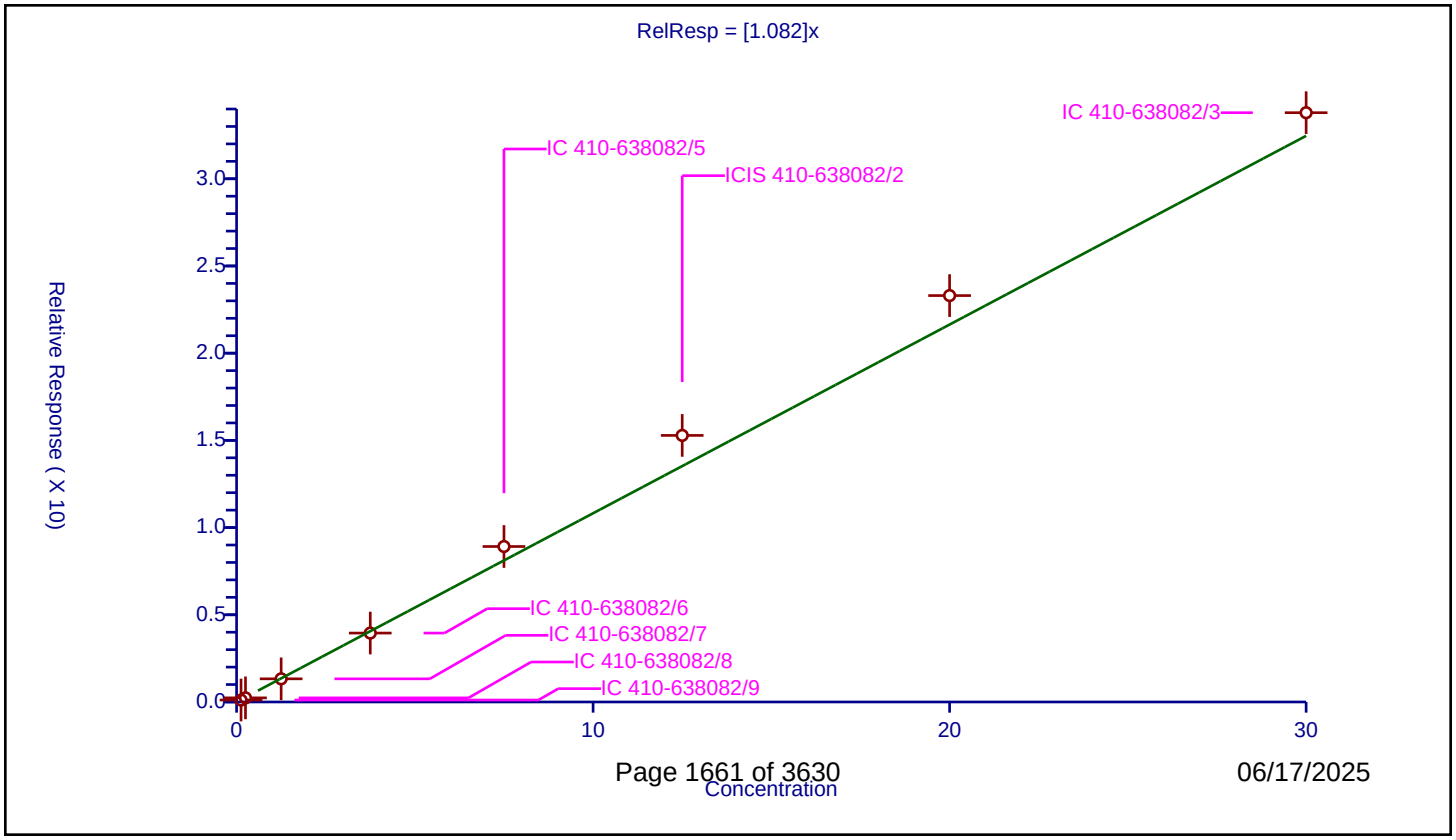
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.111677	5.0	505563.0	0.89342	Y
2	IC 410-638082/8	0.25	0.236032	5.0	573291.0	0.944128	Y
3	IC 410-638082/7	1.25	1.327874	5.0	736523.0	1.062299	Y
4	IC 410-638082/6	3.75	3.951605	5.0	614134.0	1.053761	Y
5	IC 410-638082/5	7.5	8.915459	5.0	708871.0	1.188728	Y
6	ICIS 410-638082/2	12.5	15.285233	5.0	800941.0	1.222819	Y
7	IC 410-638082/4	20.0	23.302503	5.0	672941.0	1.165125	Y
8	IC 410-638082/3	30.0	33.78895	5.0	953532.0	1.126298	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

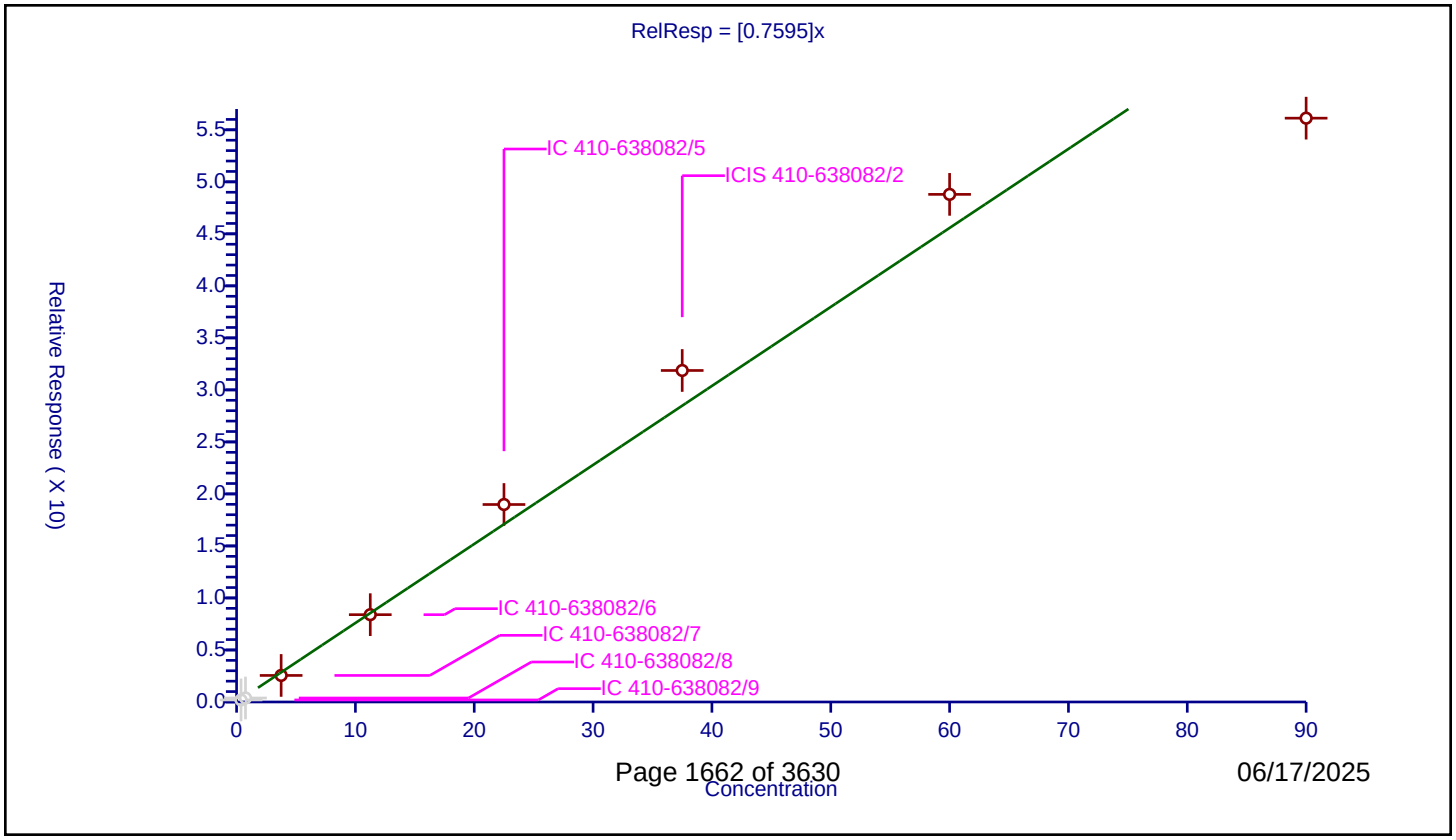
Curve Coefficients

Intercept:	0
Slope:	0.7595

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.375	0.196714	5.0	468117.0	0.52457	N
2	IC 410-638082/8	0.75	0.383541	5.0	530230.0	0.511388	N
3	IC 410-638082/7	3.75	2.552298	5.0	740615.0	0.680613	Y
4	IC 410-638082/6	11.25	8.394291	5.0	590876.0	0.746159	Y
5	IC 410-638082/5	22.5	18.983296	5.0	697981.0	0.843702	Y
6	ICIS 410-638082/2	37.5	31.866384	5.0	820477.0	0.84977	Y
7	IC 410-638082/4	60.0	48.793685	5.0	660988.0	0.813228	Y
8	IC 410-638082/3	90.0	56.121987	5.0	950176.0	0.623578	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

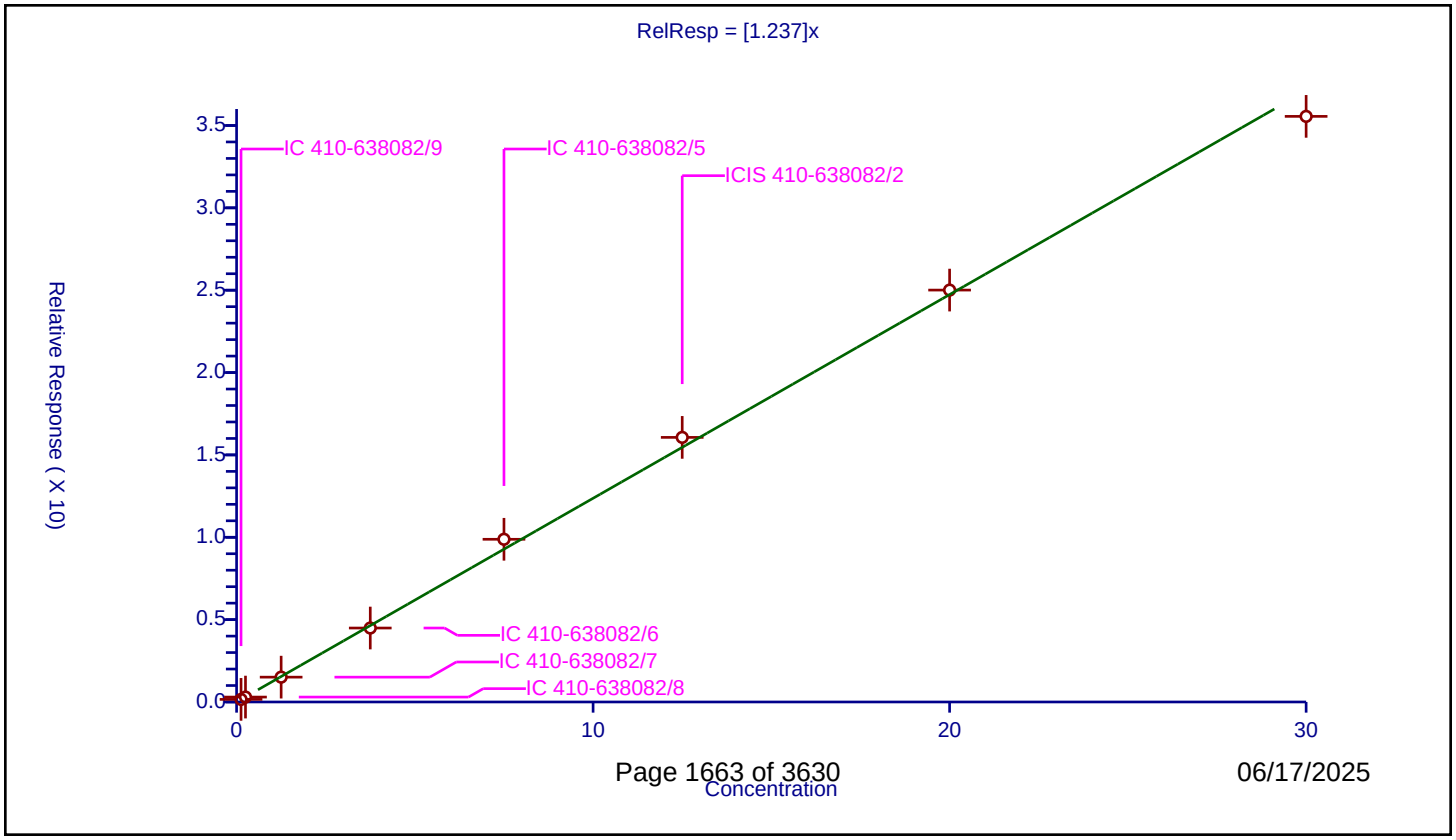
Curve Coefficients

Intercept:	0
Slope:	1.237

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.157407	5.0	468117.0	1.259258	Y
2	IC 410-638082/8	0.25	0.298239	5.0	530230.0	1.192954	Y
3	IC 410-638082/7	1.25	1.508409	5.0	740615.0	1.206727	Y
4	IC 410-638082/6	3.75	4.490206	5.0	590876.0	1.197388	Y
5	IC 410-638082/5	7.5	9.878564	5.0	697981.0	1.317142	Y
6	ICIS 410-638082/2	12.5	16.063637	5.0	820477.0	1.285091	Y
7	IC 410-638082/4	20.0	25.007315	5.0	660988.0	1.250366	Y
8	IC 410-638082/3	30.0	35.553134	5.0	950176.0	1.185104	Y



Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

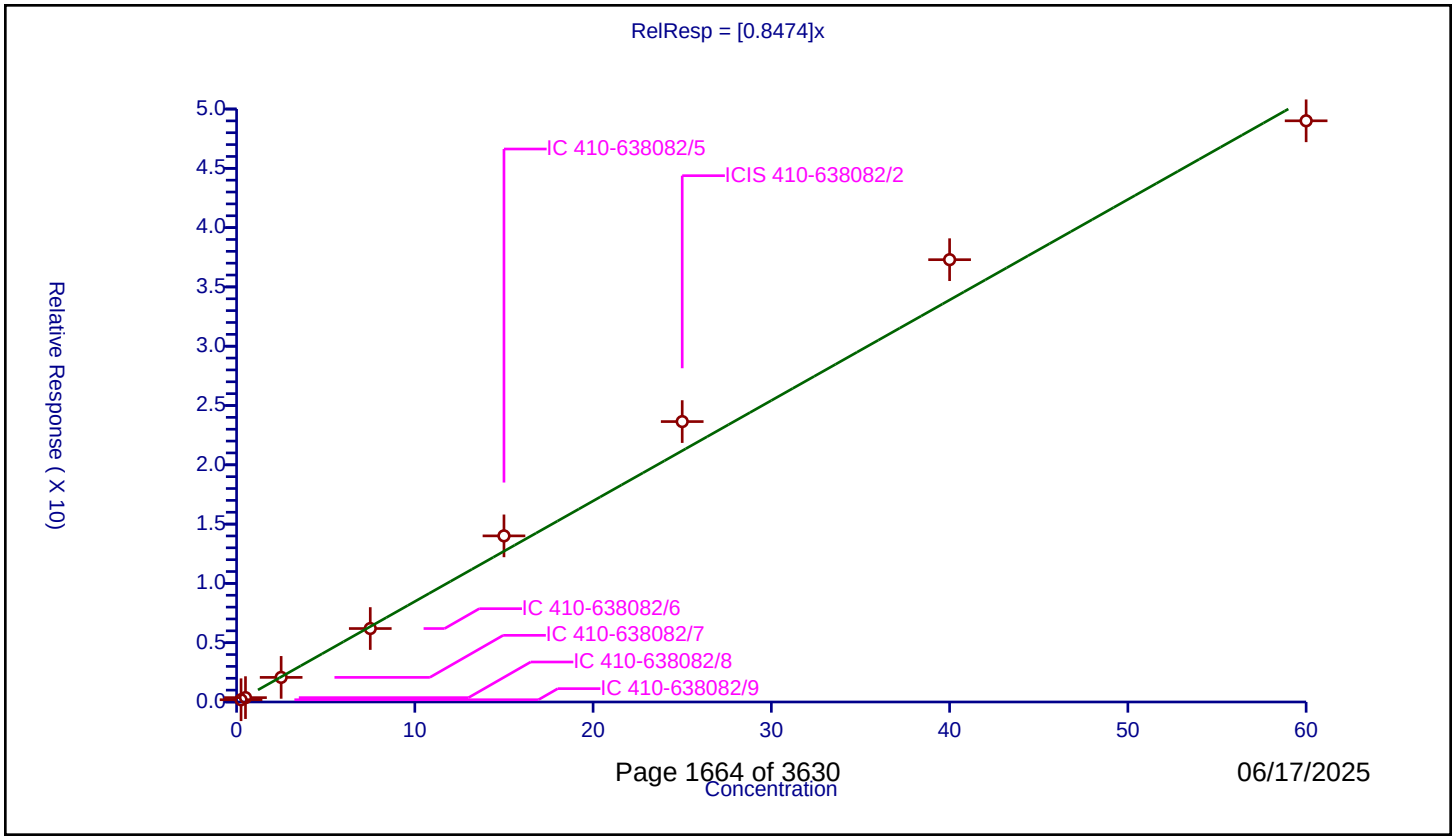
Curve Coefficients

Intercept:	0
Slope:	0.8474

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.25	0.189963	5.0	468117.0	0.759853	Y
2	IC 410-638082/8	0.5	0.367661	5.0	530230.0	0.735322	Y
3	IC 410-638082/7	2.5	2.074114	5.0	740615.0	0.829646	Y
4	IC 410-638082/6	7.5	6.192932	5.0	590876.0	0.825724	Y
5	IC 410-638082/5	15.0	14.006871	5.0	697981.0	0.933791	Y
6	ICIS 410-638082/2	25.0	23.645434	5.0	820477.0	0.945817	Y
7	IC 410-638082/4	40.0	37.29663	5.0	660988.0	0.932416	Y
8	IC 410-638082/3	60.0	49.005579	5.0	950176.0	0.81676	Y



Calibration / p-Dimethylamino azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

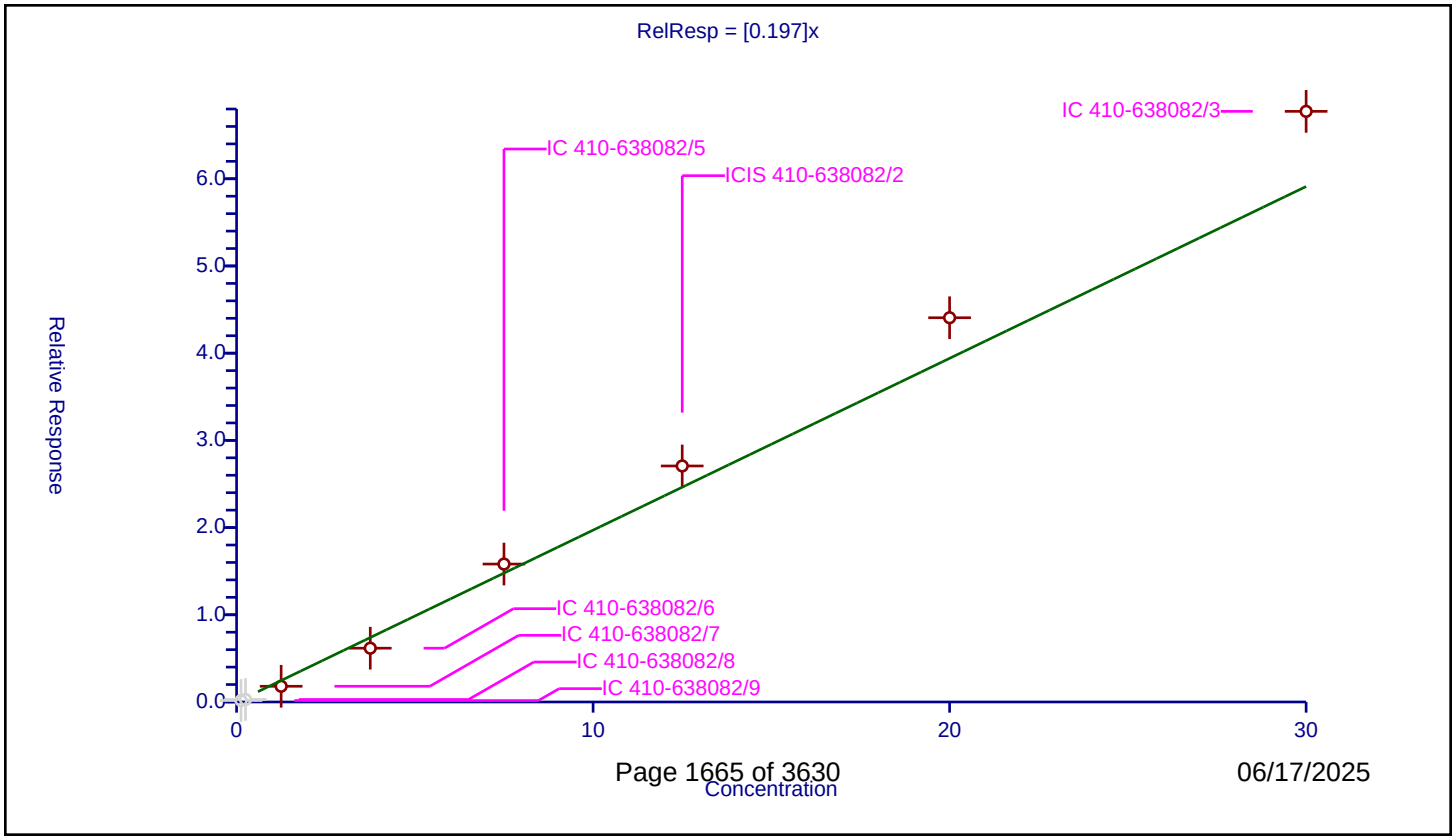
Curve Coefficients

Intercept:	0
Slope:	0.197

Error Coefficients

Relative Standard Deviation:	17.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.016759	5.0	468117.0	0.134069	N
2	IC 410-638082/8	0.25	0.028676	5.0	530230.0	0.114705	N
3	IC 410-638082/7	1.25	0.180283	5.0	740615.0	0.144226	Y
4	IC 410-638082/6	3.75	0.617058	5.0	590876.0	0.164549	Y
5	IC 410-638082/5	7.5	1.581705	5.0	697981.0	0.210894	Y
6	ICIS 410-638082/2	12.5	2.706523	5.0	820477.0	0.216522	Y
7	IC 410-638082/4	20.0	4.406328	5.0	660988.0	0.220316	Y
8	IC 410-638082/3	30.0	6.773219	5.0	950176.0	0.225774	Y



Calibration / Chlorobenzilate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

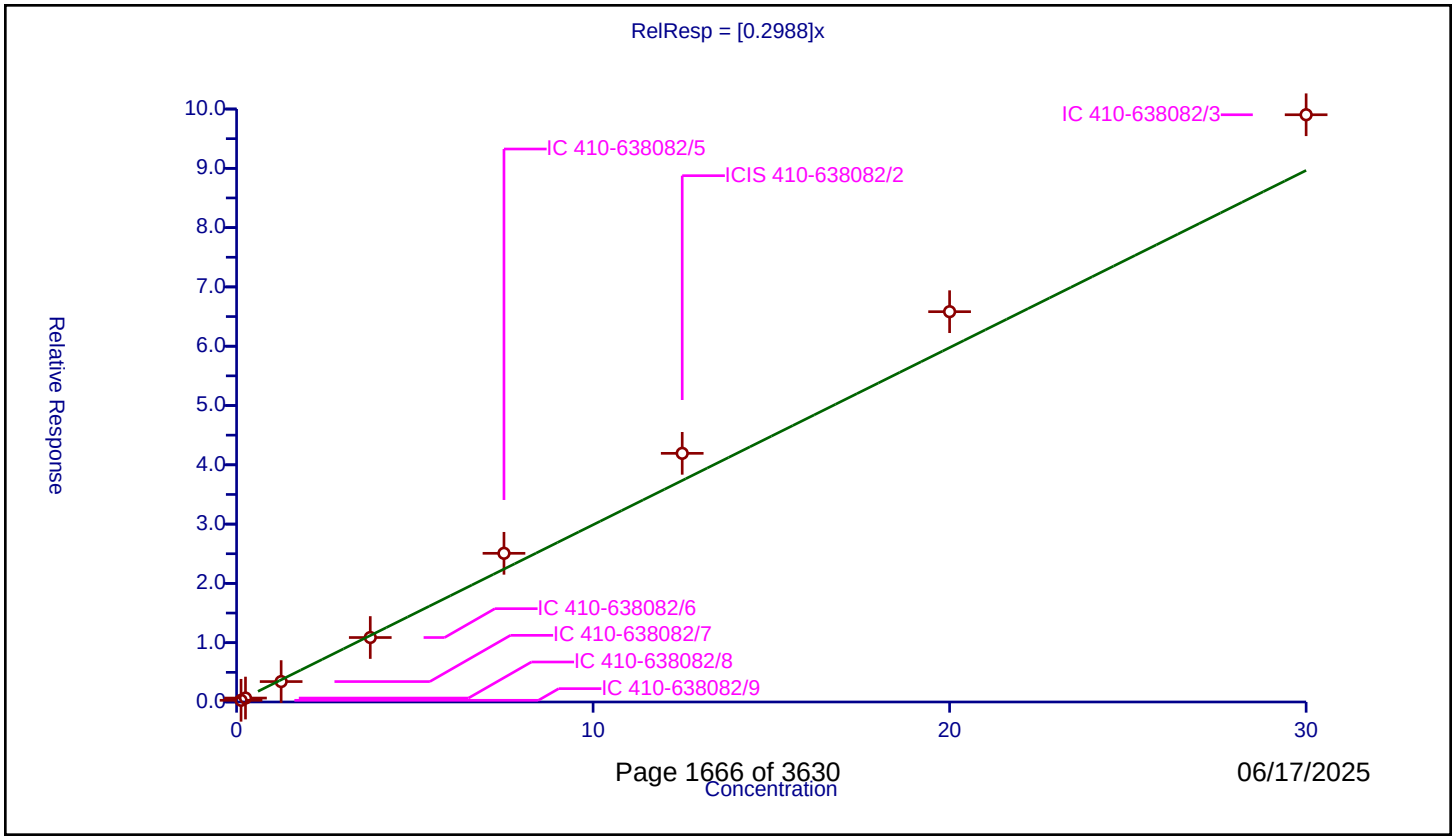
Curve Coefficients

Intercept:	0
Slope:	0.2988

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.028764	5.0	468117.0	0.230113	Y
2	IC 410-638082/8	0.25	0.066499	5.0	530230.0	0.265998	Y
3	IC 410-638082/7	1.25	0.344423	5.0	740615.0	0.275539	Y
4	IC 410-638082/6	3.75	1.087335	5.0	590876.0	0.289956	Y
5	IC 410-638082/5	7.5	2.50731	5.0	697981.0	0.334308	Y
6	ICIS 410-638082/2	12.5	4.193463	5.0	820477.0	0.335477	Y
7	IC 410-638082/4	20.0	6.582139	5.0	660988.0	0.329107	Y
8	IC 410-638082/3	30.0	9.903476	5.0	950176.0	0.330116	Y



Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

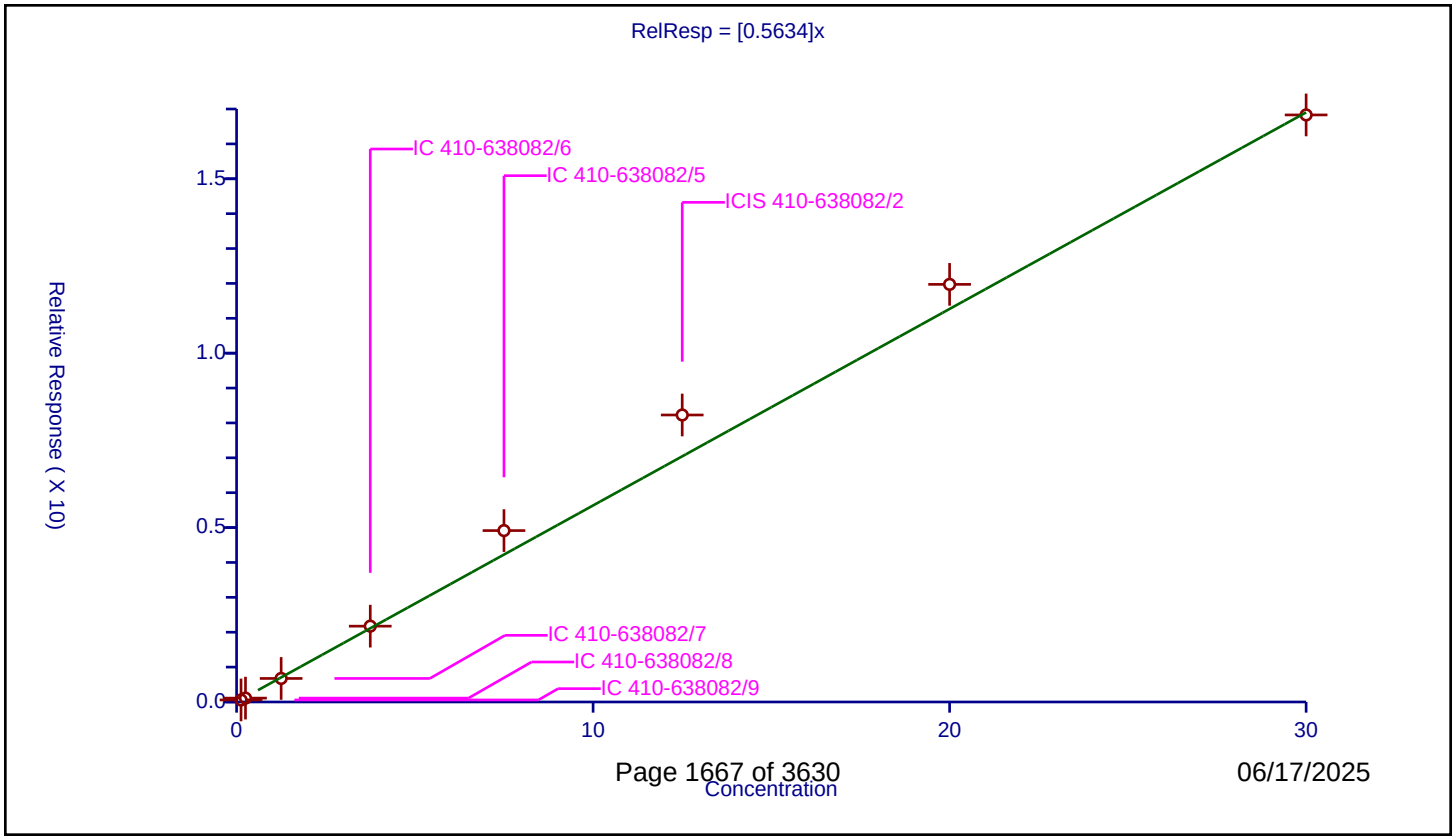
Curve Coefficients

Intercept:	0
Slope:	0.5634

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.058821	5.0	468117.0	0.470566	Y
2	IC 410-638082/8	0.25	0.111027	5.0	530230.0	0.444109	Y
3	IC 410-638082/7	1.25	0.674946	5.0	740615.0	0.539957	Y
4	IC 410-638082/6	3.75	2.173984	5.0	590876.0	0.579729	Y
5	IC 410-638082/5	7.5	4.913501	5.0	697981.0	0.655133	Y
6	ICIS 410-638082/2	12.5	8.227897	5.0	820477.0	0.658232	Y
7	IC 410-638082/4	20.0	11.972623	5.0	660988.0	0.598631	Y
8	IC 410-638082/3	30.0	16.830545	5.0	950176.0	0.561018	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

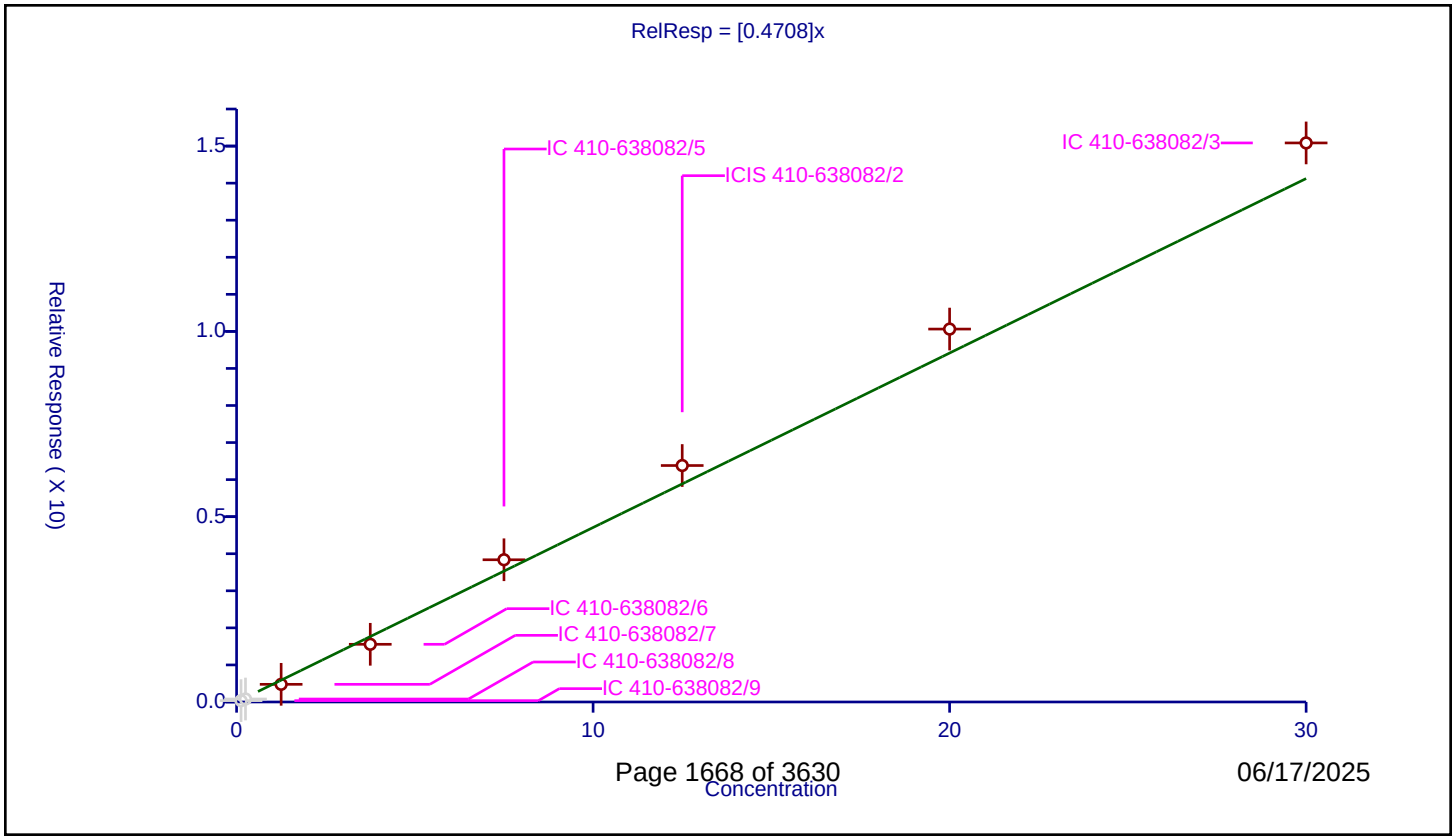
Curve Coefficients

Intercept:	0
Slope:	0.4708

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.036604	5.0	468117.0	0.292833	N
2	IC 410-638082/8	0.25	0.080333	5.0	530230.0	0.321332	N
3	IC 410-638082/7	1.25	0.476752	5.0	740615.0	0.381402	Y
4	IC 410-638082/6	3.75	1.557053	5.0	590876.0	0.415214	Y
5	IC 410-638082/5	7.5	3.837719	5.0	697981.0	0.511696	Y
6	ICIS 410-638082/2	12.5	6.380343	5.0	820477.0	0.510427	Y
7	IC 410-638082/4	20.0	10.062165	5.0	660988.0	0.503108	Y
8	IC 410-638082/3	30.0	15.084605	5.0	950176.0	0.50282	Y



Calibration / 2-Acetylaminofluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

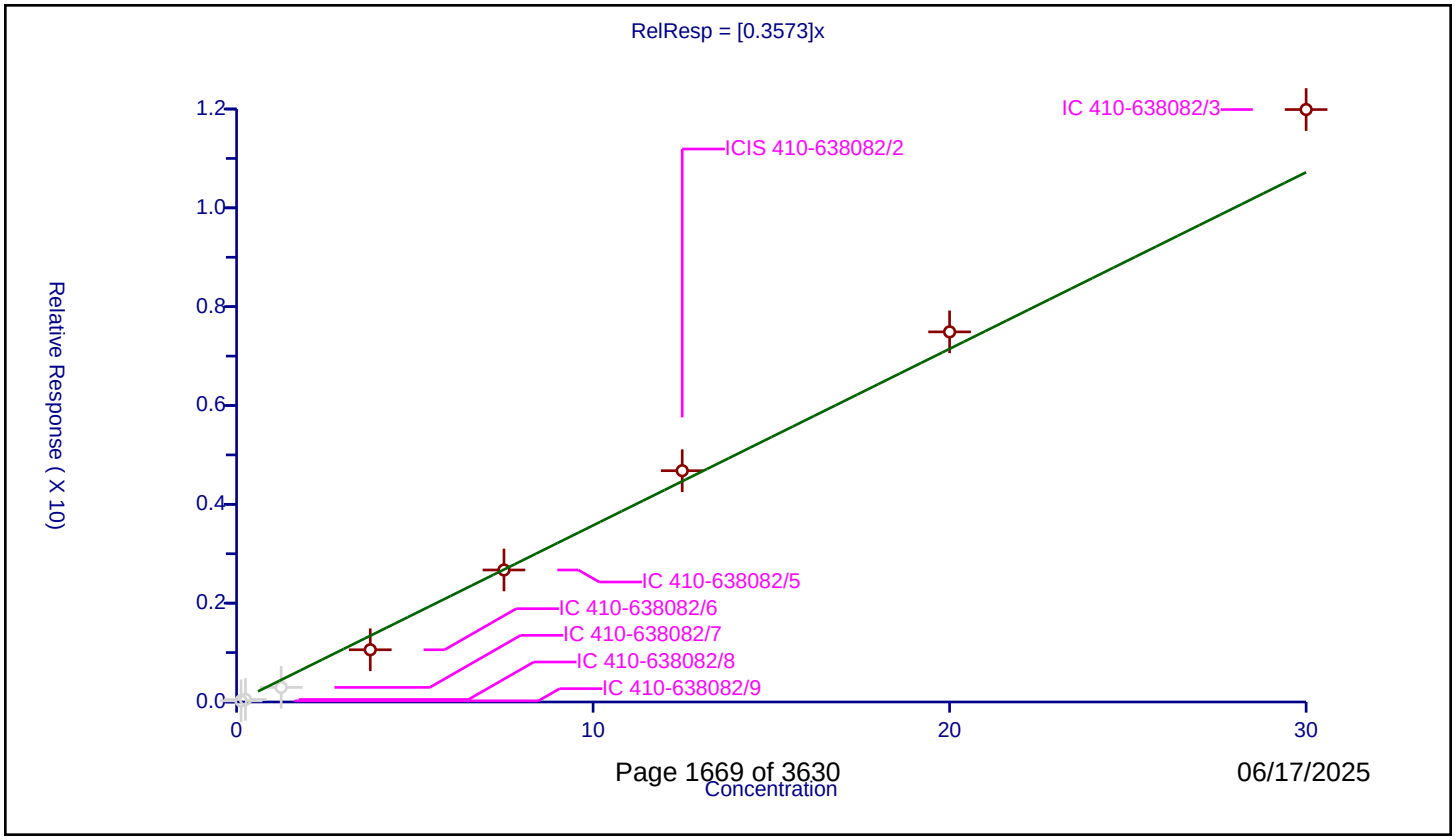
Curve Coefficients

Intercept:	0
Slope:	0.3573

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.023616	5.0	468117.0	0.188927	N
2	IC 410-638082/8	0.25	0.05144	5.0	530230.0	0.20576	N
3	IC 410-638082/7	1.25	0.295369	5.0	740615.0	0.236296	N
4	IC 410-638082/6	3.75	1.056888	5.0	590876.0	0.281837	Y
5	IC 410-638082/5	7.5	2.671641	5.0	697981.0	0.356219	Y
6	ICIS 410-638082/2	12.5	4.680869	5.0	820477.0	0.374469	Y
7	IC 410-638082/4	20.0	7.49028	5.0	660988.0	0.374514	Y
8	IC 410-638082/3	30.0	11.989358	5.0	950176.0	0.399645	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

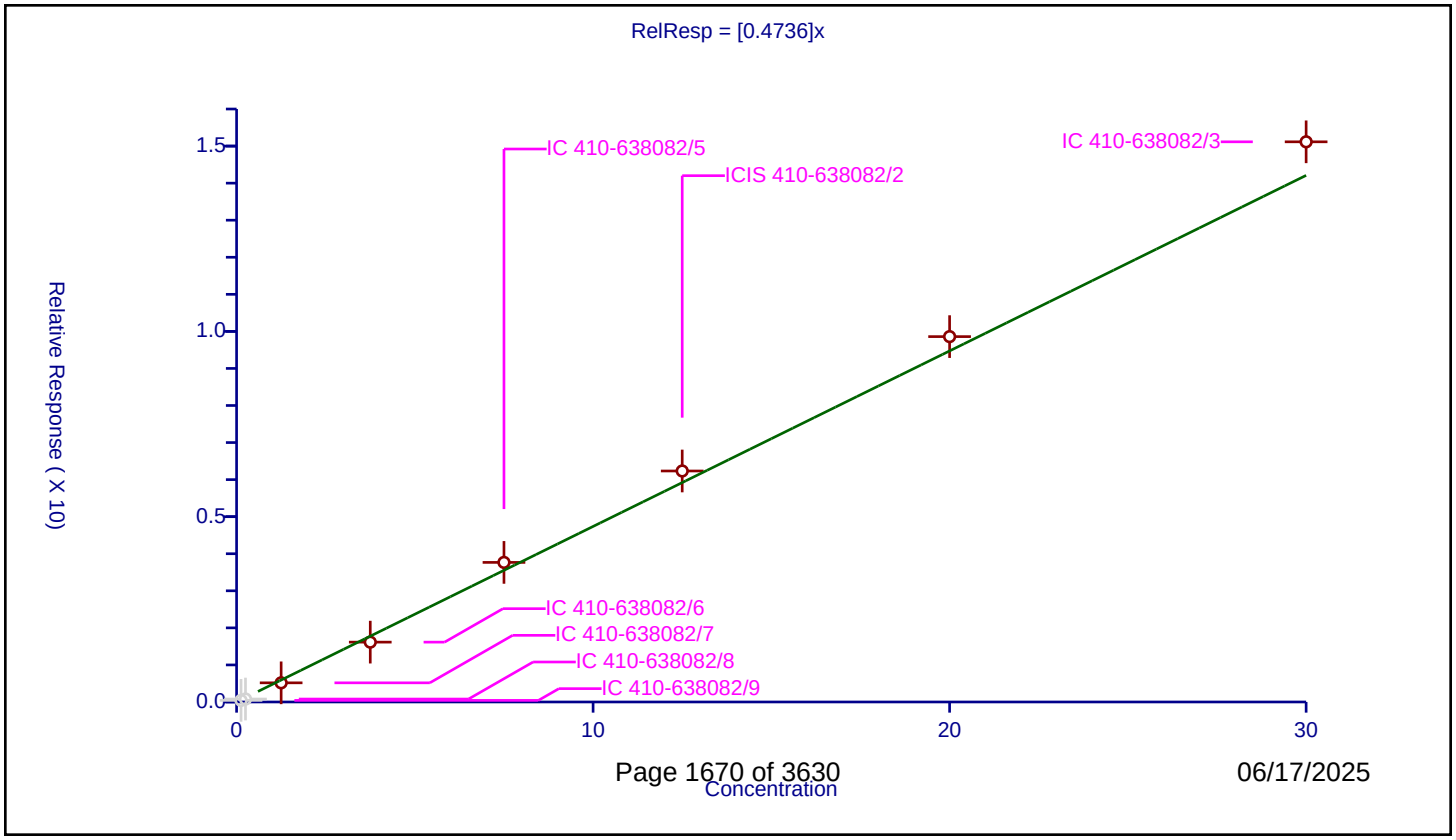
Curve Coefficients

Intercept:	0
Slope:	0.4736

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.043237	5.0	468117.0	0.345896	N
2	IC 410-638082/8	0.25	0.079598	5.0	530230.0	0.31839	N
3	IC 410-638082/7	1.25	0.516908	5.0	740615.0	0.413527	Y
4	IC 410-638082/6	3.75	1.61495	5.0	590876.0	0.430653	Y
5	IC 410-638082/5	7.5	3.766471	5.0	697981.0	0.502196	Y
6	ICIS 410-638082/2	12.5	6.23327	5.0	820477.0	0.498662	Y
7	IC 410-638082/4	20.0	9.85856	5.0	660988.0	0.492928	Y
8	IC 410-638082/3	30.0	15.115047	5.0	950176.0	0.503835	Y



Calibration / 4,4'-Methylene bis(2-chloroaniline)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

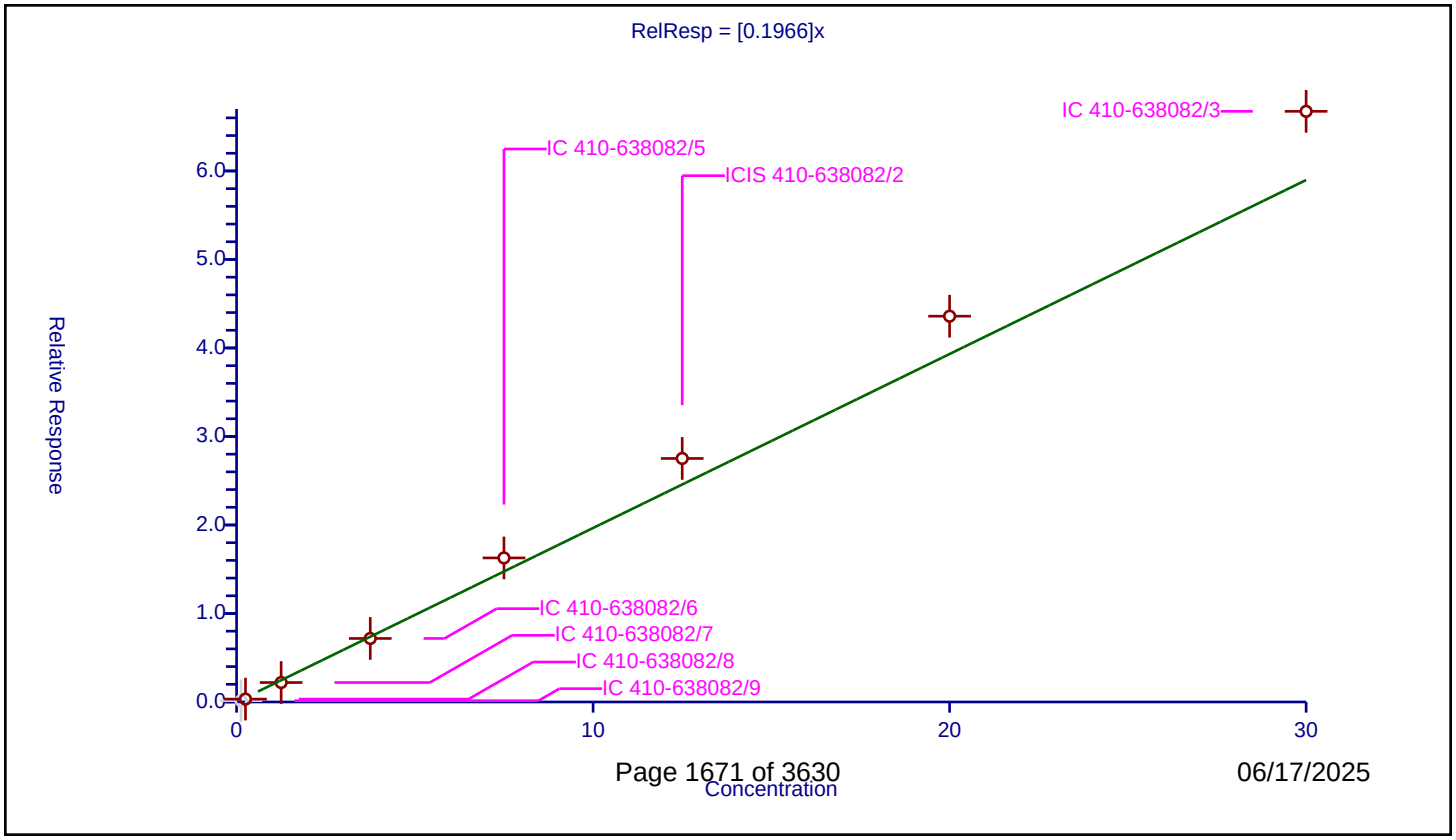
Curve Coefficients

Intercept:	0
Slope:	0.1966

Error Coefficients

Relative Standard Deviation:	17.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.014729	5.0	468117.0	0.117834	N
2	IC 410-638082/8	0.25	0.032835	5.0	530230.0	0.131339	Y
3	IC 410-638082/7	1.25	0.219736	5.0	740615.0	0.175789	Y
4	IC 410-638082/6	3.75	0.717748	5.0	590876.0	0.191399	Y
5	IC 410-638082/5	7.5	1.627695	5.0	697981.0	0.217026	Y
6	ICIS 410-638082/2	12.5	2.751765	5.0	820477.0	0.220141	Y
7	IC 410-638082/4	20.0	4.359217	5.0	660988.0	0.217961	Y
8	IC 410-638082/3	30.0	6.673827	5.0	950176.0	0.222461	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

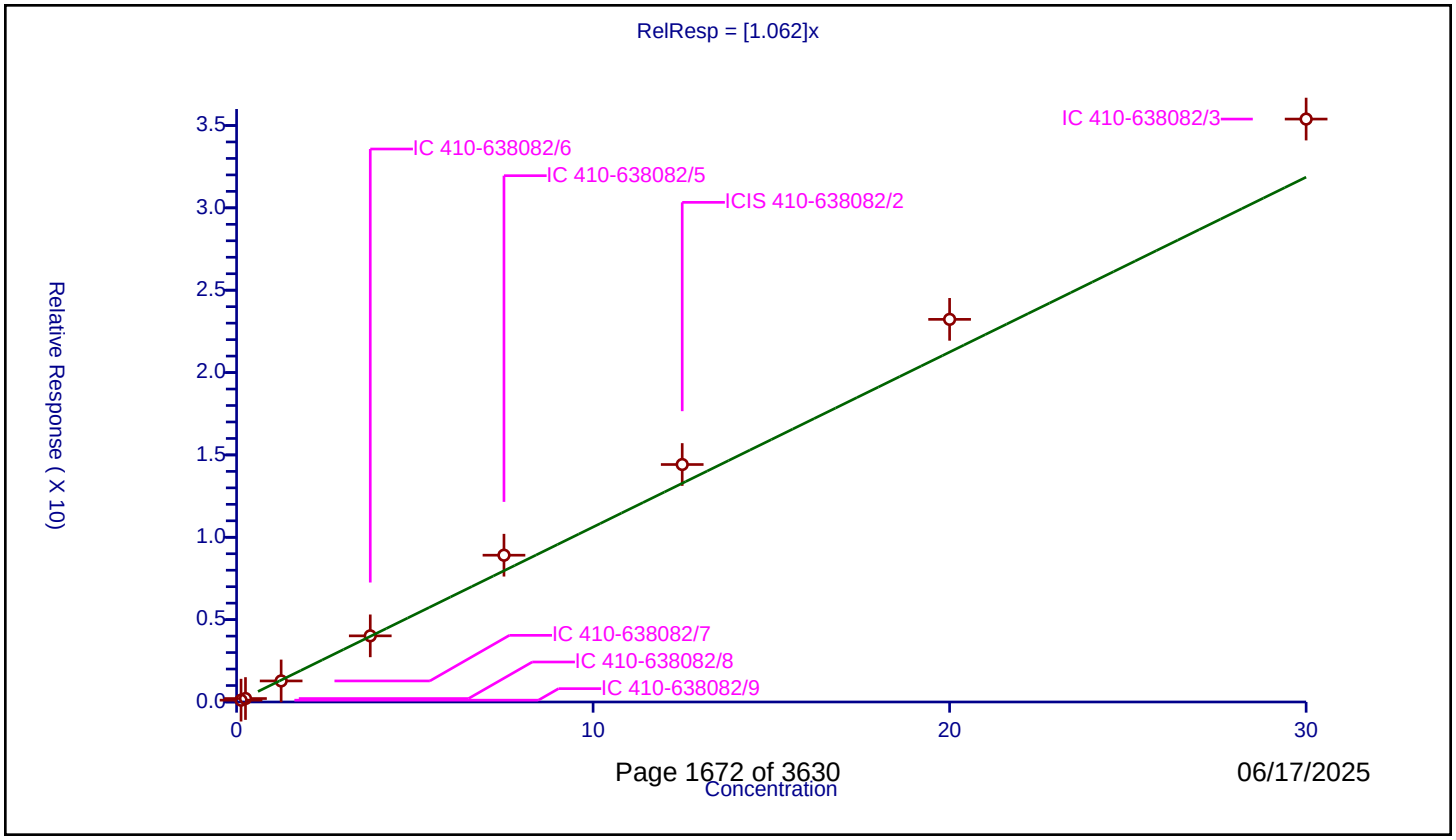
Curve Coefficients

Intercept:	0
Slope:	1.062

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.110197	5.0	468117.0	0.881574	Y
2	IC 410-638082/8	0.25	0.209824	5.0	530230.0	0.839296	Y
3	IC 410-638082/7	1.25	1.277742	5.0	740615.0	1.022194	Y
4	IC 410-638082/6	3.75	4.016418	5.0	590876.0	1.071045	Y
5	IC 410-638082/5	7.5	8.912334	5.0	697981.0	1.188311	Y
6	ICIS 410-638082/2	12.5	14.417424	5.0	820477.0	1.153394	Y
7	IC 410-638082/4	20.0	23.230081	5.0	660988.0	1.161504	Y
8	IC 410-638082/3	30.0	35.388896	5.0	950176.0	1.17963	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

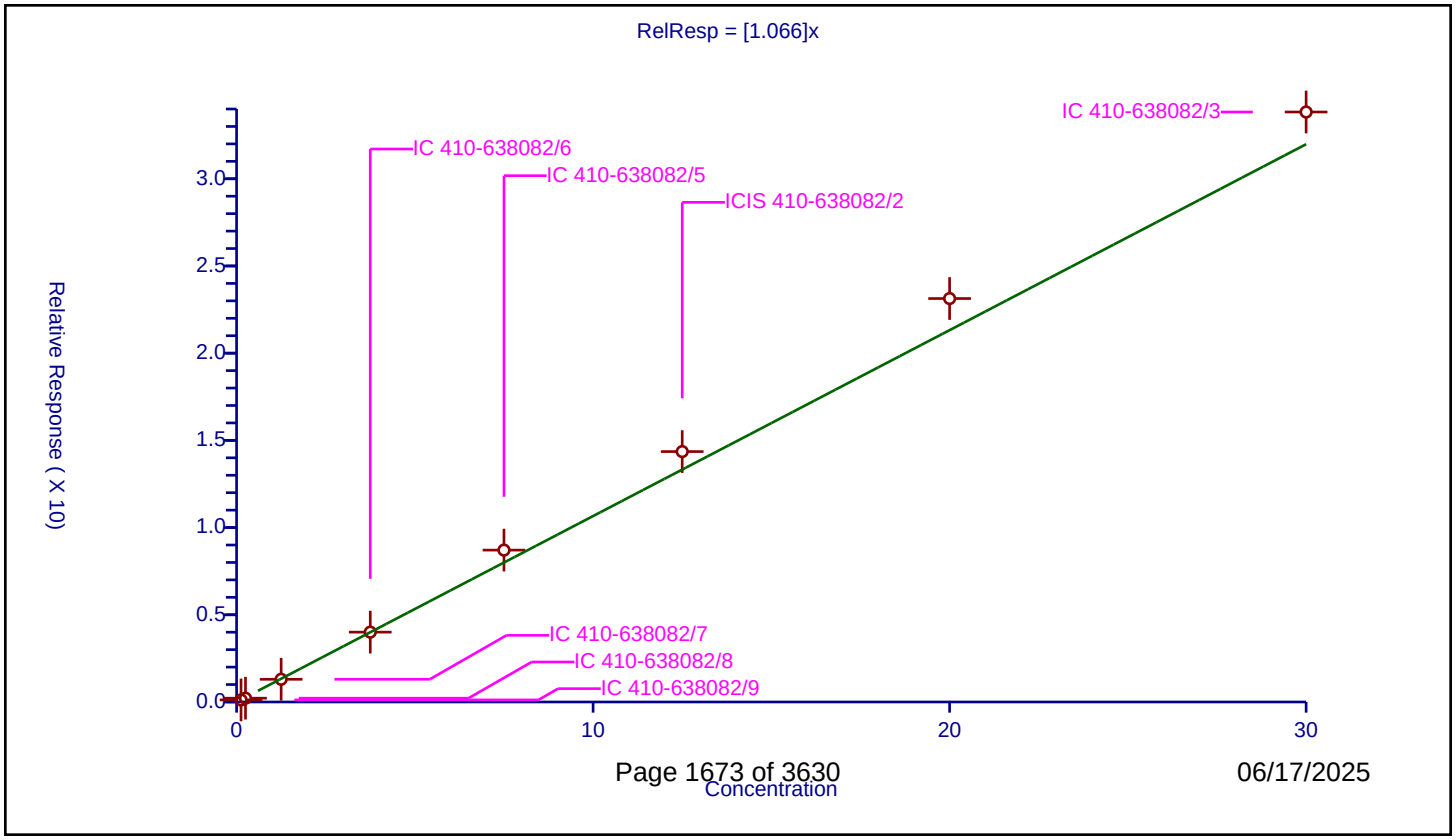
Curve Coefficients

Intercept:	0
Slope:	1.066

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.119244	5.0	468117.0	0.95395	Y
2	IC 410-638082/8	0.25	0.217623	5.0	530230.0	0.87049	Y
3	IC 410-638082/7	1.25	1.302276	5.0	740615.0	1.041821	Y
4	IC 410-638082/6	3.75	4.005037	5.0	590876.0	1.06801	Y
5	IC 410-638082/5	7.5	8.708525	5.0	697981.0	1.161137	Y
6	ICIS 410-638082/2	12.5	14.357971	5.0	820477.0	1.148638	Y
7	IC 410-638082/4	20.0	23.132659	5.0	660988.0	1.156633	Y
8	IC 410-638082/3	30.0	33.828454	5.0	950176.0	1.127615	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

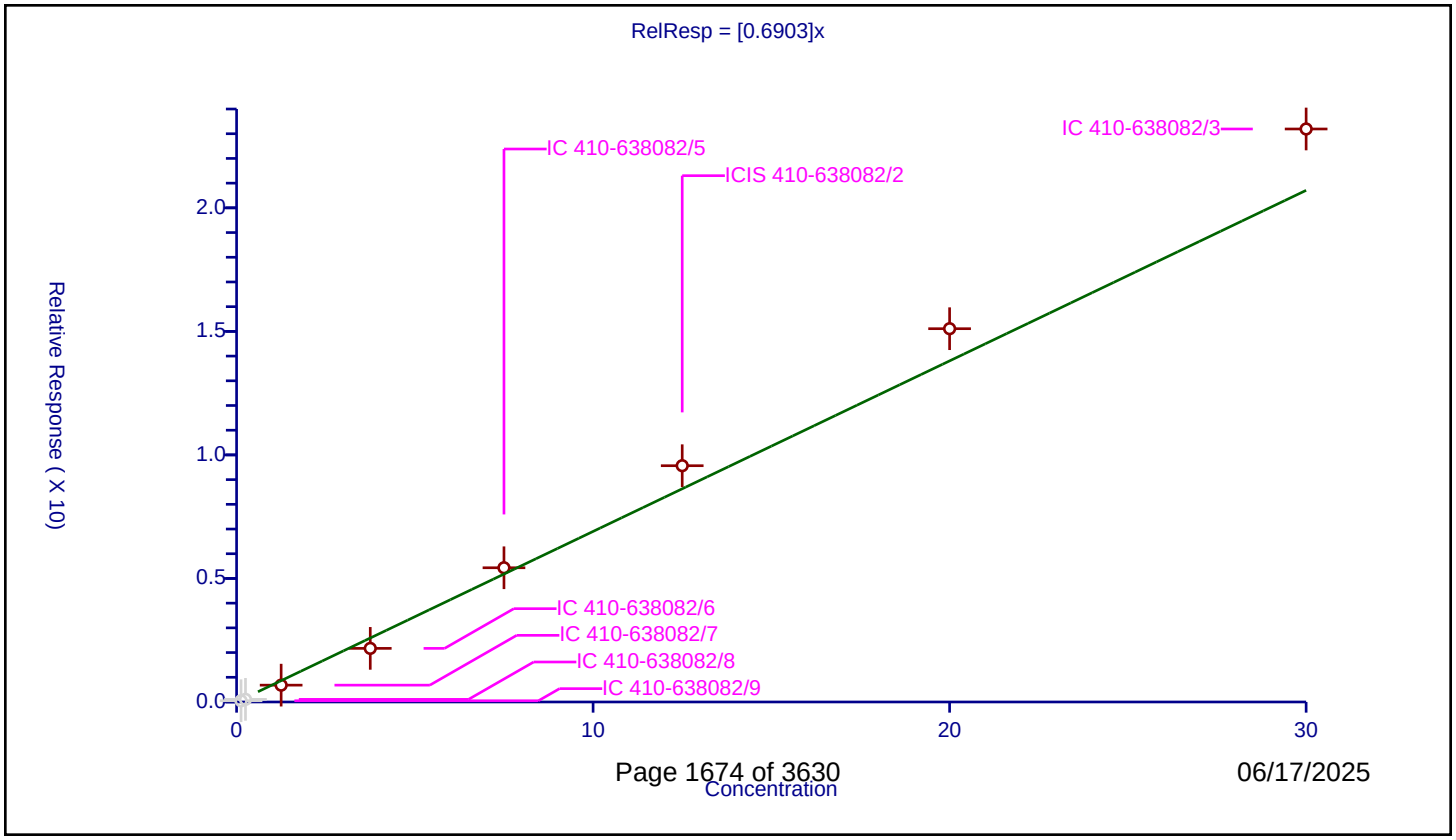
Curve Coefficients

Intercept:	0
Slope:	0.6903

Error Coefficients

Relative Standard Deviation:	14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.049913	5.0	468117.0	0.399302	N
2	IC 410-638082/8	0.25	0.106407	5.0	530230.0	0.425627	N
3	IC 410-638082/7	1.25	0.681332	5.0	740615.0	0.545066	Y
4	IC 410-638082/6	3.75	2.169694	5.0	590876.0	0.578585	Y
5	IC 410-638082/5	7.5	5.432505	5.0	697981.0	0.724334	Y
6	ICIS 410-638082/2	12.5	9.563693	5.0	820477.0	0.765095	Y
7	IC 410-638082/4	20.0	15.109019	5.0	660988.0	0.755451	Y
8	IC 410-638082/3	30.0	23.191861	5.0	950176.0	0.773062	Y



Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

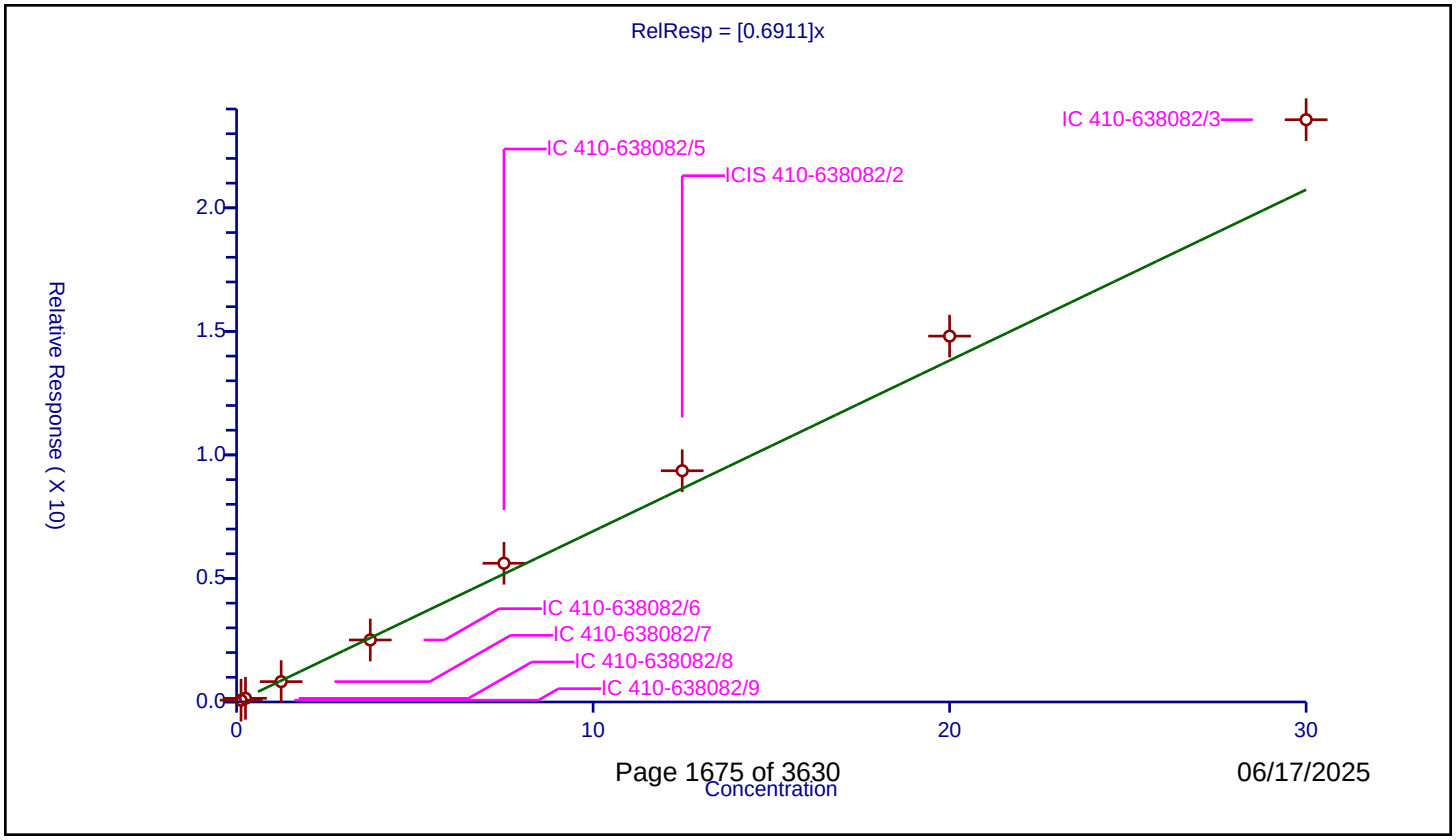
Curve Coefficients

Intercept:	0
Slope:	0.6911

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.072696	5.0	468117.0	0.581564	Y
2	IC 410-638082/8	0.25	0.148917	5.0	530230.0	0.595666	Y
3	IC 410-638082/7	1.25	0.82393	5.0	740615.0	0.659144	Y
4	IC 410-638082/6	3.75	2.509892	5.0	590876.0	0.669305	Y
5	IC 410-638082/5	7.5	5.614694	5.0	697981.0	0.748626	Y
6	ICIS 410-638082/2	12.5	9.359726	5.0	820477.0	0.748778	Y
7	IC 410-638082/4	20.0	14.809013	5.0	660988.0	0.740451	Y
8	IC 410-638082/3	30.0	23.56676	5.0	950176.0	0.785559	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

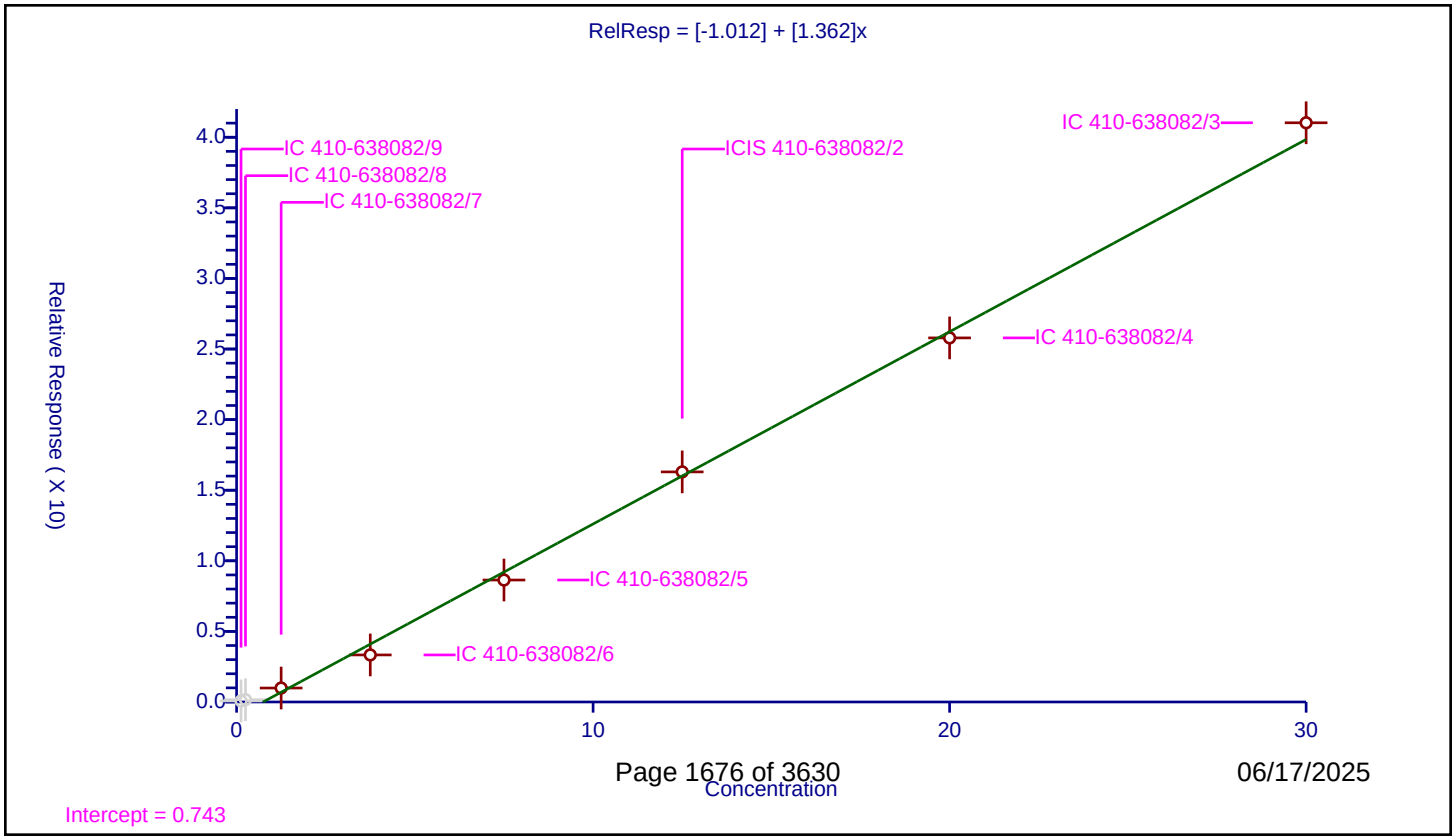
Curve Coefficients

Intercept:	-1.012
Slope:	1.362

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.077411	5.0	405110.0	0.619289	N
2	IC 410-638082/8	0.25	0.161793	5.0	419362.0	0.647174	N
3	IC 410-638082/7	1.25	0.988183	5.0	662706.0	0.790547	Y
4	IC 410-638082/6	3.75	3.333001	5.0	521386.0	0.8888	Y
5	IC 410-638082/5	7.5	8.639254	5.0	627711.0	1.151901	Y
6	ICIS 410-638082/2	12.5	16.296676	5.0	693639.0	1.303734	Y
7	IC 410-638082/4	20.0	25.78793	5.0	547923.0	1.289397	Y
8	IC 410-638082/3	30.0	41.024757	5.0	810251.0	1.367492	Y



Calibration / 7,12-Dimethylbenz(a)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

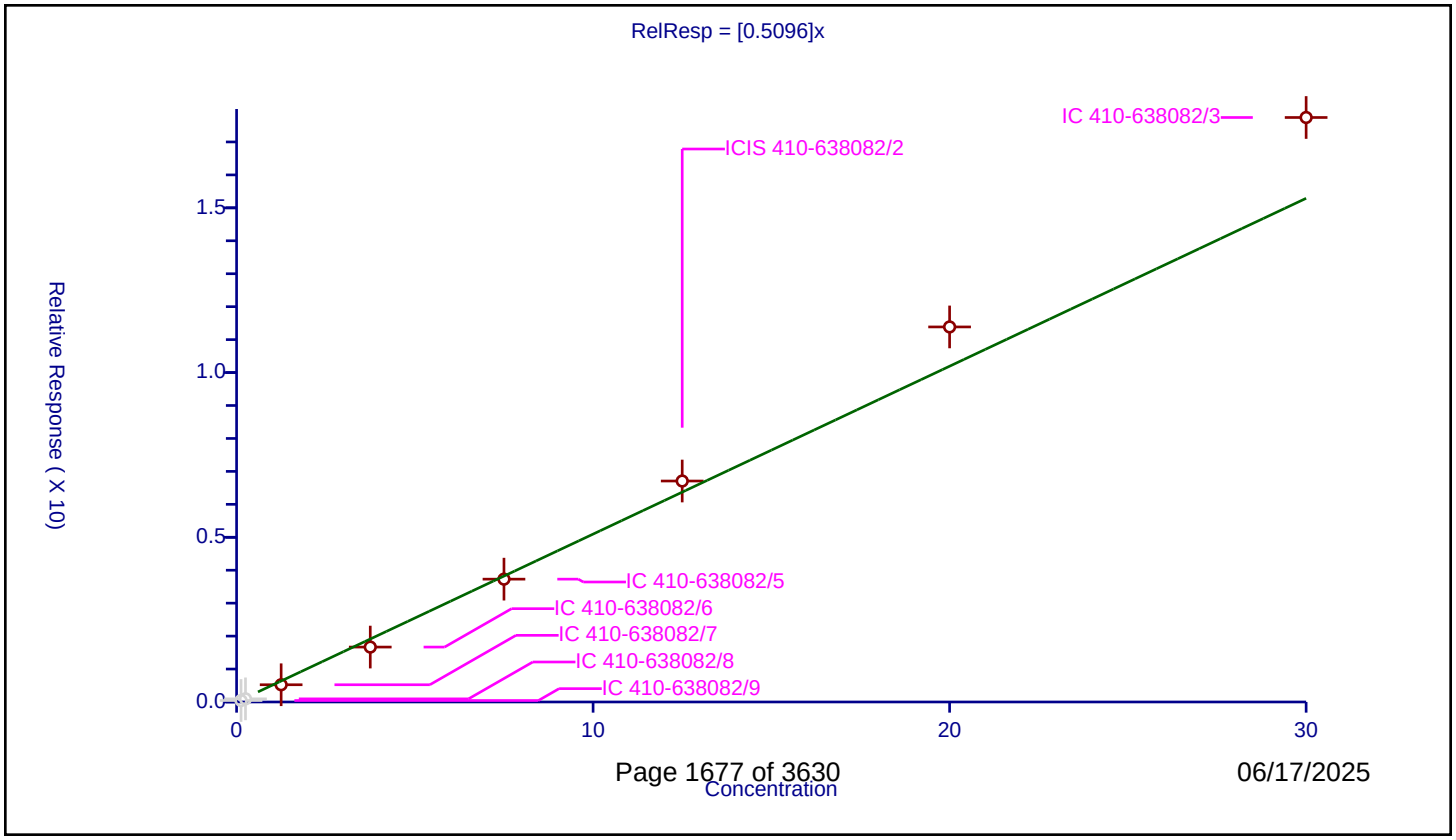
Curve Coefficients

Intercept:	0
Slope:	0.5096

Error Coefficients

Relative Standard Deviation:	13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.045222	5.0	405110.0	0.361778	N
2	IC 410-638082/8	0.25	0.09518	5.0	419362.0	0.380721	N
3	IC 410-638082/7	1.25	0.523528	5.0	662706.0	0.418822	Y
4	IC 410-638082/6	3.75	1.666788	5.0	521386.0	0.444477	Y
5	IC 410-638082/5	7.5	3.728993	5.0	627711.0	0.497199	Y
6	ICIS 410-638082/2	12.5	6.707603	5.0	693639.0	0.536608	Y
7	IC 410-638082/4	20.0	11.384912	5.0	547923.0	0.569246	Y
8	IC 410-638082/3	30.0	17.74273	5.0	810251.0	0.591424	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

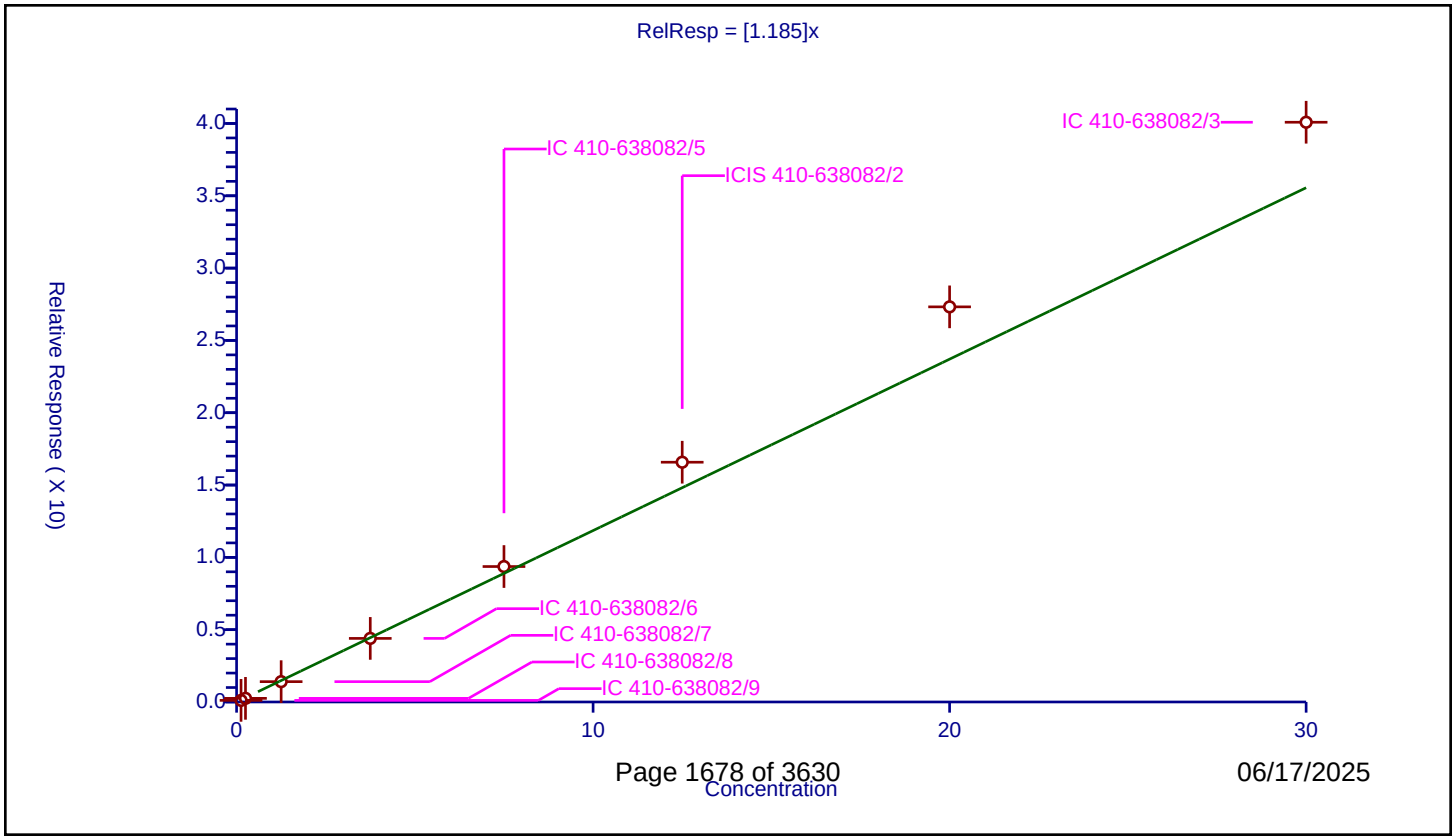
Curve Coefficients

Intercept:	0
Slope:	1.185

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.112155	5.0	405110.0	0.897238	Y
2	IC 410-638082/8	0.25	0.252467	5.0	419362.0	1.009867	Y
3	IC 410-638082/7	1.25	1.406159	5.0	662706.0	1.124927	Y
4	IC 410-638082/6	3.75	4.397078	5.0	521386.0	1.172554	Y
5	IC 410-638082/5	7.5	9.365472	5.0	627711.0	1.24873	Y
6	ICIS 410-638082/2	12.5	16.578588	5.0	693639.0	1.326287	Y
7	IC 410-638082/4	20.0	27.319824	5.0	547923.0	1.365991	Y
8	IC 410-638082/3	30.0	40.085541	5.0	810251.0	1.336185	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

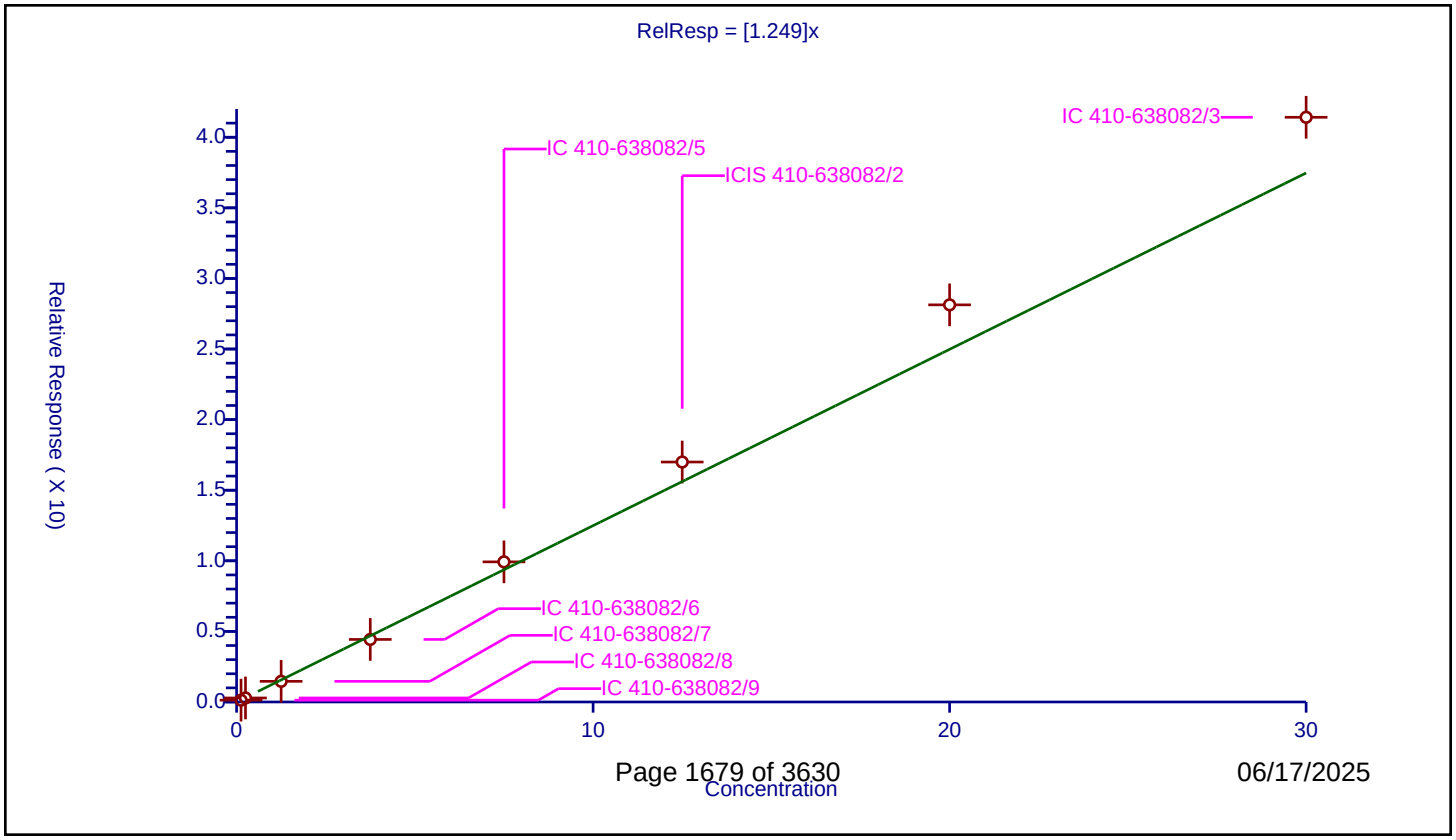
Curve Coefficients

Intercept:	0
Slope:	1.249

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.129582	5.0	405110.0	1.036657	Y
2	IC 410-638082/8	0.25	0.283442	5.0	419362.0	1.13377	Y
3	IC 410-638082/7	1.25	1.462904	5.0	662706.0	1.170323	Y
4	IC 410-638082/6	3.75	4.429252	5.0	521386.0	1.181134	Y
5	IC 410-638082/5	7.5	9.92483	5.0	627711.0	1.323311	Y
6	ICIS 410-638082/2	12.5	16.996312	5.0	693639.0	1.359705	Y
7	IC 410-638082/4	20.0	28.129573	5.0	547923.0	1.406479	Y
8	IC 410-638082/3	30.0	41.413605	5.0	810251.0	1.380454	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

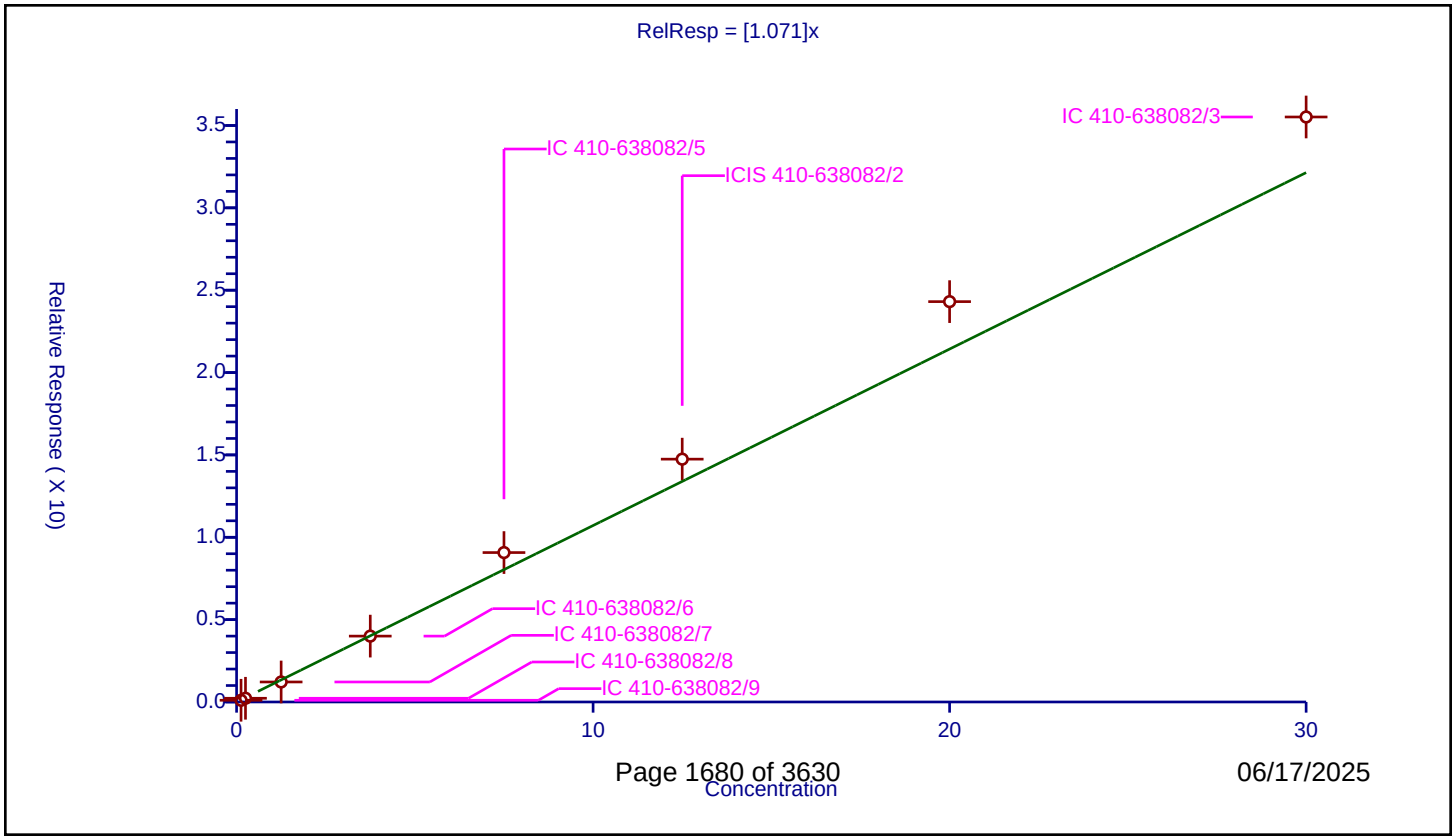
Curve Coefficients

Intercept:	0
Slope:	1.071

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.104786	5.0	405110.0	0.838291	Y
2	IC 410-638082/8	0.25	0.226547	5.0	419362.0	0.906186	Y
3	IC 410-638082/7	1.25	1.214437	5.0	662706.0	0.97155	Y
4	IC 410-638082/6	3.75	3.998966	5.0	521386.0	1.066391	Y
5	IC 410-638082/5	7.5	9.071866	5.0	627711.0	1.209582	Y
6	ICIS 410-638082/2	12.5	14.742431	5.0	693639.0	1.179394	Y
7	IC 410-638082/4	20.0	24.30587	5.0	547923.0	1.215293	Y
8	IC 410-638082/3	30.0	35.515458	5.0	810251.0	1.183849	Y



Calibration / 3-Methylcholanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

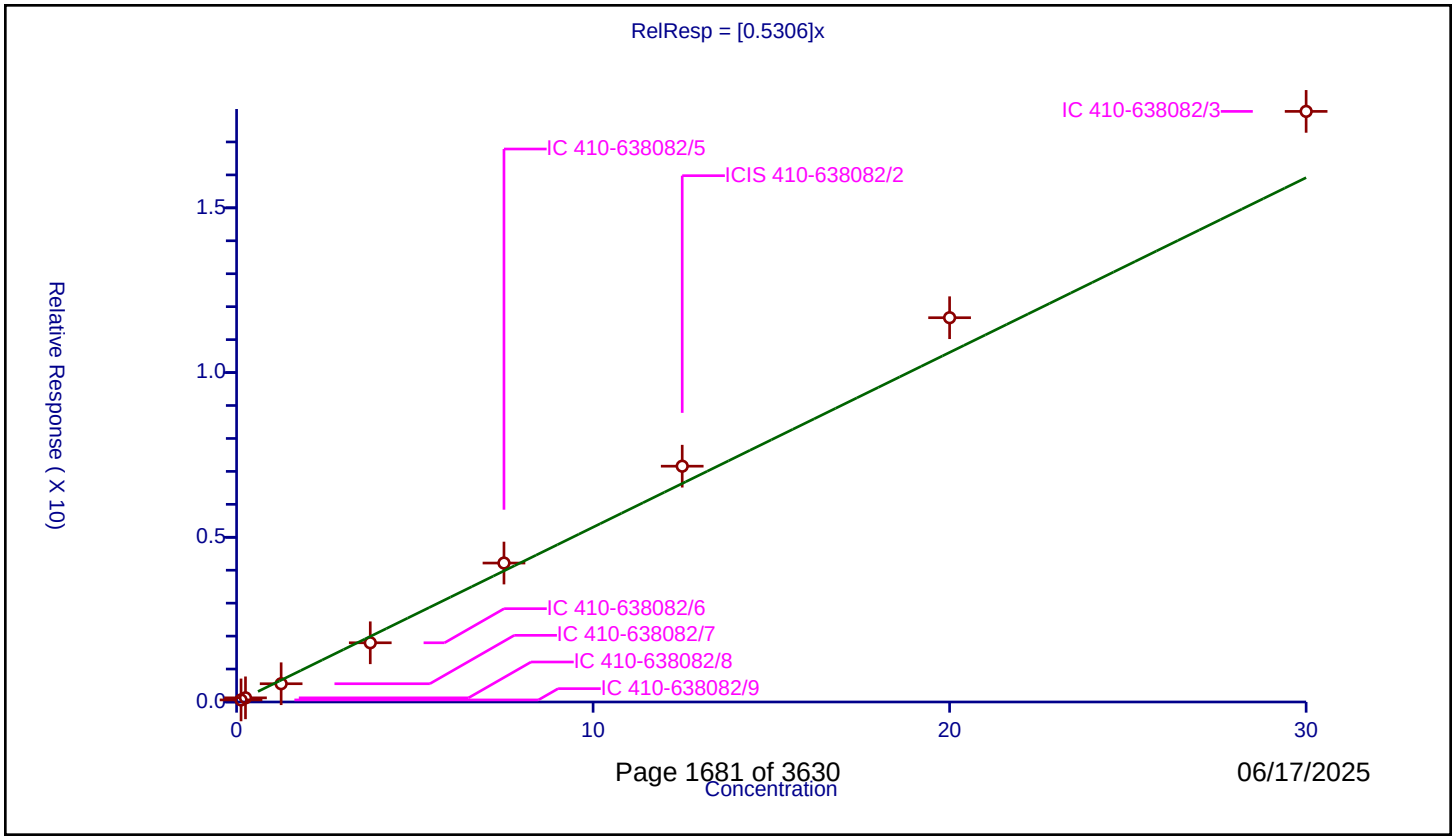
Curve Coefficients

Intercept:	0
Slope:	0.5306

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.062785	5.0	405110.0	0.502283	Y
2	IC 410-638082/8	0.25	0.125989	5.0	419362.0	0.503956	Y
3	IC 410-638082/7	1.25	0.553949	5.0	662706.0	0.443159	Y
4	IC 410-638082/6	3.75	1.797047	5.0	521386.0	0.479212	Y
5	IC 410-638082/5	7.5	4.217833	5.0	627711.0	0.562378	Y
6	ICIS 410-638082/2	12.5	7.157866	5.0	693639.0	0.572629	Y
7	IC 410-638082/4	20.0	11.664632	5.0	547923.0	0.583232	Y
8	IC 410-638082/3	30.0	17.92779	5.0	810251.0	0.597593	Y



Calibration / Dibenz[a,h]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

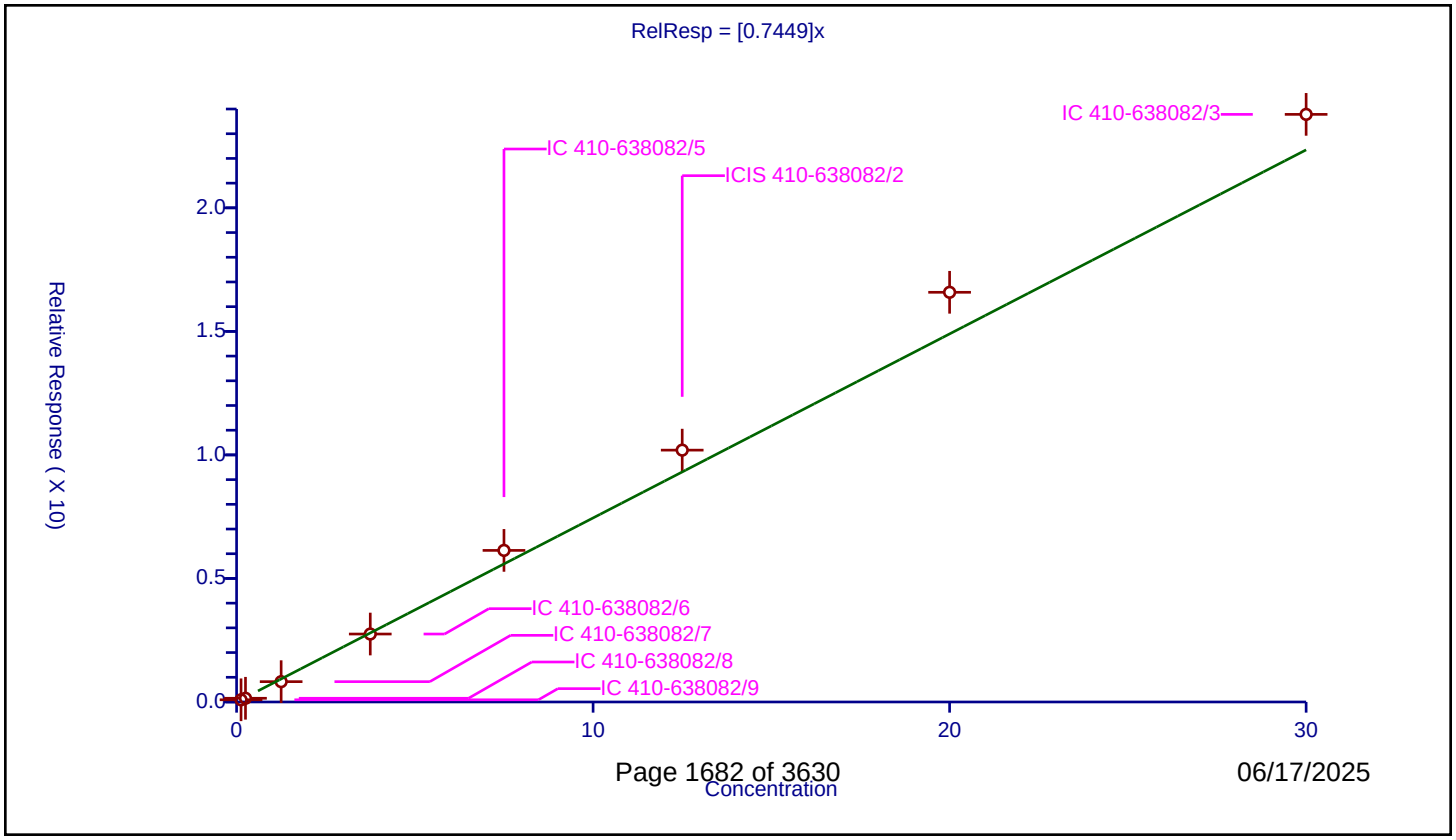
Curve Coefficients

Intercept:	0
Slope:	0.7449

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.088766	5.0	405110.0	0.710128	Y
2	IC 410-638082/8	0.25	0.150562	5.0	419362.0	0.602248	Y
3	IC 410-638082/7	1.25	0.822424	5.0	662706.0	0.657939	Y
4	IC 410-638082/6	3.75	2.750381	5.0	521386.0	0.733435	Y
5	IC 410-638082/5	7.5	6.135379	5.0	627711.0	0.818051	Y
6	ICIS 410-638082/2	12.5	10.193242	5.0	693639.0	0.815459	Y
7	IC 410-638082/4	20.0	16.581445	5.0	547923.0	0.829072	Y
8	IC 410-638082/3	30.0	23.783192	5.0	810251.0	0.792773	Y



Calibration / Dibenz[a,j]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

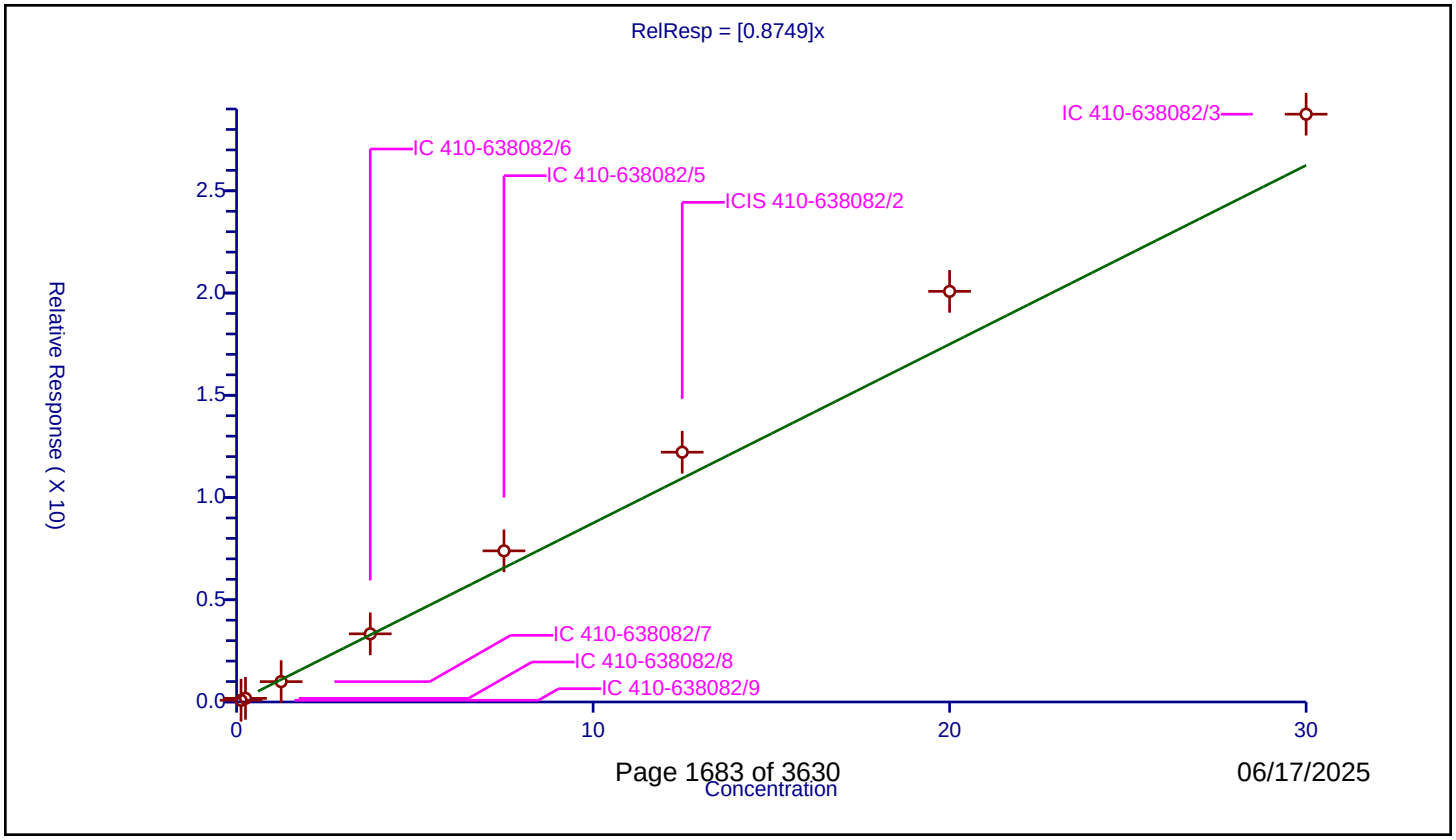
Curve Coefficients

Intercept:	0
Slope:	0.8749

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.084705	5.0	405110.0	0.677643	Y
2	IC 410-638082/8	0.25	0.17777	5.0	419362.0	0.71108	Y
3	IC 410-638082/7	1.25	0.995117	5.0	662706.0	0.796094	Y
4	IC 410-638082/6	3.75	3.333979	5.0	521386.0	0.889061	Y
5	IC 410-638082/5	7.5	7.391538	5.0	627711.0	0.985538	Y
6	ICIS 410-638082/2	12.5	12.216319	5.0	693639.0	0.977305	Y
7	IC 410-638082/4	20.0	20.082329	5.0	547923.0	1.004116	Y
8	IC 410-638082/3	30.0	28.747252	5.0	810251.0	0.958242	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

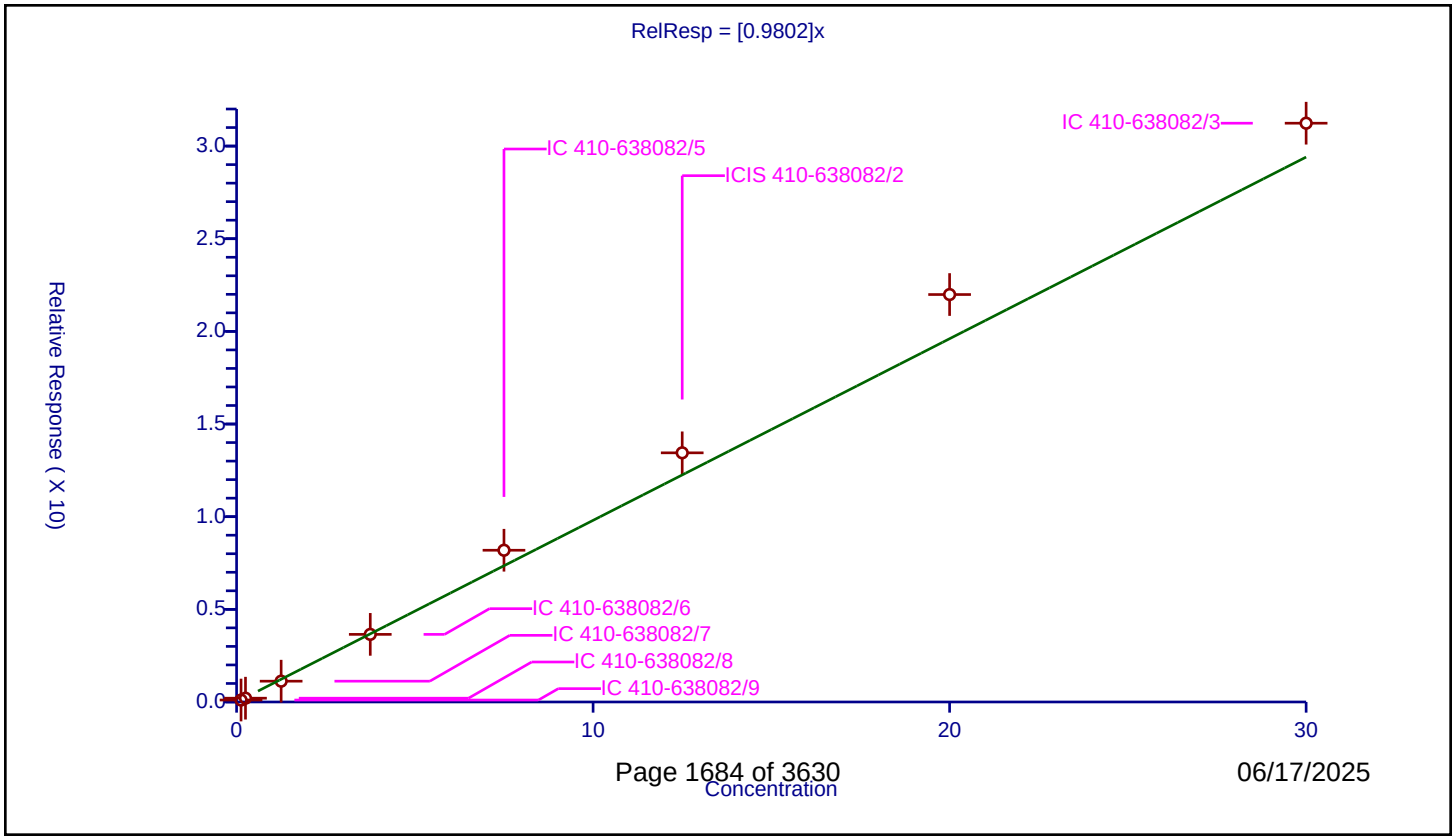
Curve Coefficients

Intercept:	0
Slope:	0.9802

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.105502	5.0	405110.0	0.844018	Y
2	IC 410-638082/8	0.25	0.204525	5.0	419362.0	0.8181	Y
3	IC 410-638082/7	1.25	1.123055	5.0	662706.0	0.898444	Y
4	IC 410-638082/6	3.75	3.648602	5.0	521386.0	0.972961	Y
5	IC 410-638082/5	7.5	8.188537	5.0	627711.0	1.091805	Y
6	ICIS 410-638082/2	12.5	13.44662	5.0	693639.0	1.07573	Y
7	IC 410-638082/4	20.0	21.987898	5.0	547923.0	1.099395	Y
8	IC 410-638082/3	30.0	31.235019	5.0	810251.0	1.041167	Y



06/17/2025

Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

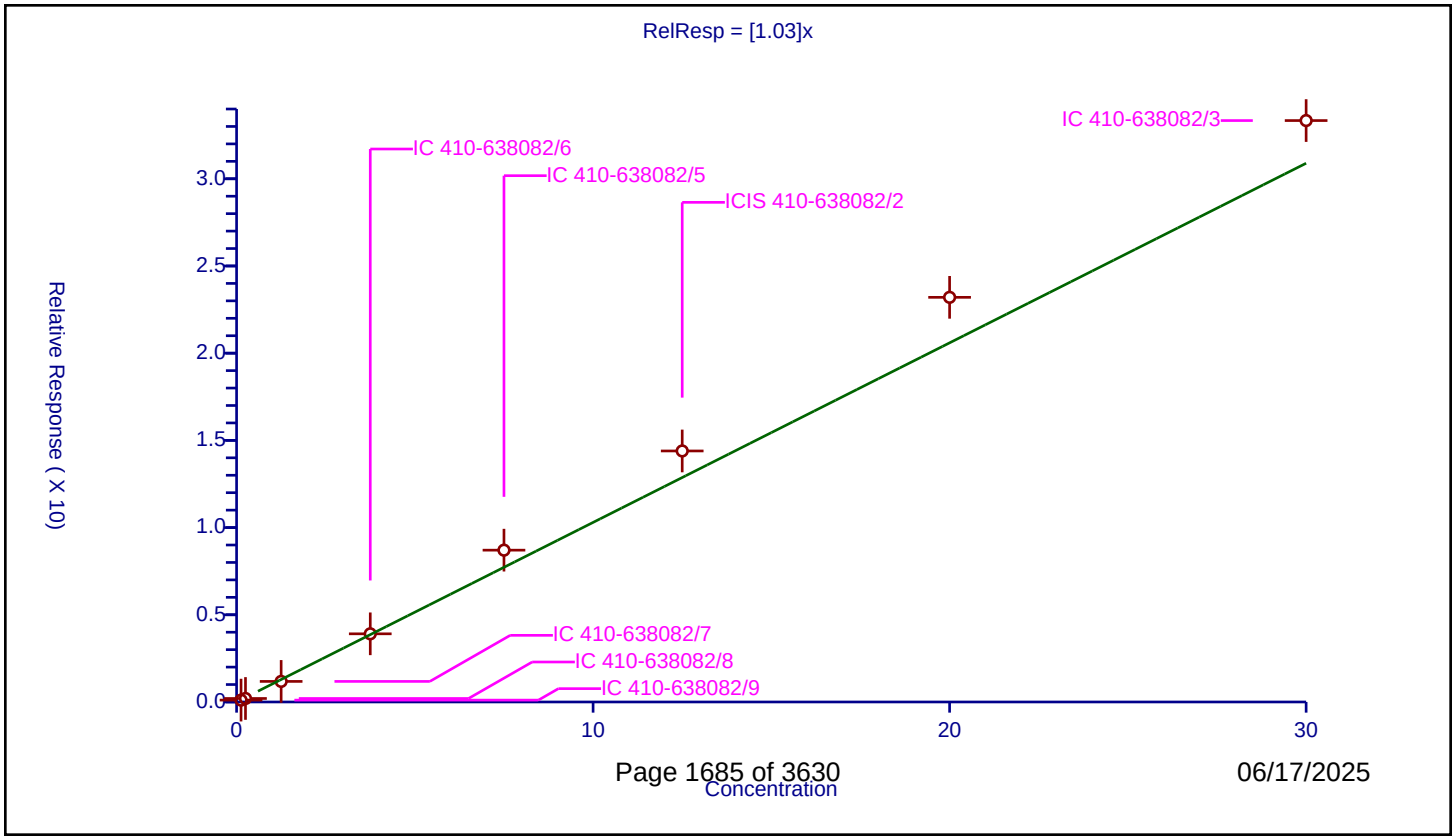
Curve Coefficients

Intercept:	0
Slope:	1.03

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.108316	5.0	405110.0	0.86653	Y
2	IC 410-638082/8	0.25	0.2004	5.0	419362.0	0.801599	Y
3	IC 410-638082/7	1.25	1.178916	5.0	662706.0	0.943133	Y
4	IC 410-638082/6	3.75	3.90886	5.0	521386.0	1.042363	Y
5	IC 410-638082/5	7.5	8.704786	5.0	627711.0	1.160638	Y
6	ICIS 410-638082/2	12.5	14.393979	5.0	693639.0	1.151518	Y
7	IC 410-638082/4	20.0	23.202366	5.0	547923.0	1.160118	Y
8	IC 410-638082/3	30.0	33.337731	5.0	810251.0	1.111258	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

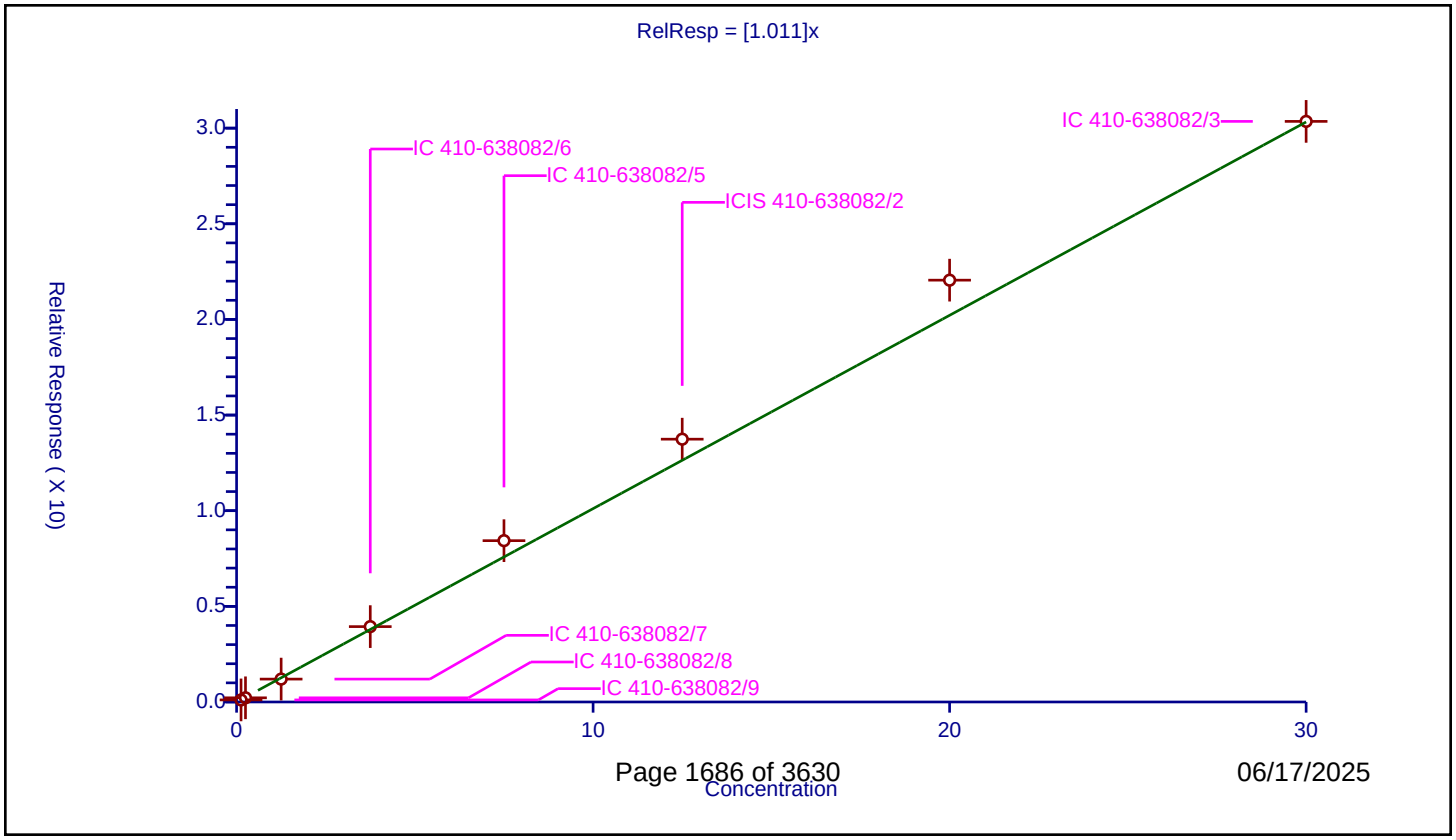
Curve Coefficients

Intercept:	0
Slope:	1.011

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-638082/9	0.125	0.108193	5.0	405110.0	0.865543	Y
2	IC 410-638082/8	0.25	0.218701	5.0	419362.0	0.874805	Y
3	IC 410-638082/7	1.25	1.196217	5.0	662706.0	0.956973	Y
4	IC 410-638082/6	3.75	3.940094	5.0	521386.0	1.050692	Y
5	IC 410-638082/5	7.5	8.434287	5.0	627711.0	1.124572	Y
6	ICIS 410-638082/2	12.5	13.739676	5.0	693639.0	1.099174	Y
7	IC 410-638082/4	20.0	22.052323	5.0	547923.0	1.102616	Y
8	IC 410-638082/3	30.0	30.353656	5.0	810251.0	1.011789	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 628574

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2025 22:19 Calibration End Date: 04/10/2025 00:10 Calibration ID: 71621

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-628574/10	DD0959.D
Level 2	IC 410-628574/9	DD0958.D
Level 3	IC 410-628574/8	DD0957.D
Level 4	IC 410-628574/7	DD0956.D
Level 5	IC 410-628574/6	DD0955.D
Level 6	IC 410-628574/5	DD0954.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzenethiol	0.2950 1.7329	0.9615	1.1278	1.2037	1.4320	Qua2	-1.00 1	1.085 6	0.0213959						0.9980		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-225004-1 | Analy Batch No.: 628574

SDG No.:

Instrument ID: HP19760 | GC Column: DB-5MS 30m | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2025 22:19 | Calibration End Date: 04/10/2025 00:10 | Calibration ID: 71621

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-628574/10	DD0959.D
Level 2	IC 410-628574/9	DD0958.D
Level 3	IC 410-628574/8	DD0957.D
Level 4	IC 410-628574/7	DD0956.D
Level 5	IC 410-628574/6	DD0955.D
Level 6	IC 410-628574/5	DD0954.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzenethiol	DCBd4	Qua2	10006 1387378	97649	221369	461068	817163	1.25 30.0	3.75	7.50	12.5	20.0

Curve Type Legend:
Qua2 = Quadratic 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 628574

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2025 22:19 Calibration End Date: 04/10/2025 00:10 Calibration ID: 71621

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-628574/10	DD0959.D
Level 2	IC 410-628574/9	DD0958.D
Level 3	IC 410-628574/8	DD0957.D
Level 4	IC 410-628574/7	DD0956.D
Level 5	IC 410-628574/6	DD0955.D
Level 6	IC 410-628574/5	DD0954.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Benzenethiol	-1.4	5.0	1.1	-4.3	-1.6	1.6	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0954.D
Lims ID: IC L8 BENZ
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 09-Apr-2025 22:19:50 ALS Bottle#: 4 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8 BENZ
Misc. Info.: 410-0143567-005
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub7

Method: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 10-Apr-2025 10:51:34 Calib Date: 10-Apr-2025 00:10:42
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0959.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: N5QU Date: 09-Apr-2025 22:46:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
13 Phenylmercaptan	110	4.040	4.040	0.000	98	1387378	30.0	30.5	a
* 22 1,4-Dichlorobenzene-d4	152	4.413	4.413	0.000	96	133437	5.00	5.00	
* 50 Naphthalene-d8	136	5.625	5.625	0.000	99	515157	5.00	5.00	
* 90 Acenaphthene-d10	164	7.292	7.292	0.000	95	295308	5.00	5.00	
* 126 Phenanthrene-d10	188	8.697	8.697	0.000	97	598350	5.00	5.00	
* 149 Pyrene-d10 (IS)	212	10.049	10.049	0.000	98	604817	5.00	5.00	
* 170 Perylene-d12	264	13.261	13.261	0.000	98	483021	5.00	5.00	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MSS_RVBENZ_8_00017 Amount Added: 1.00 Units: mL

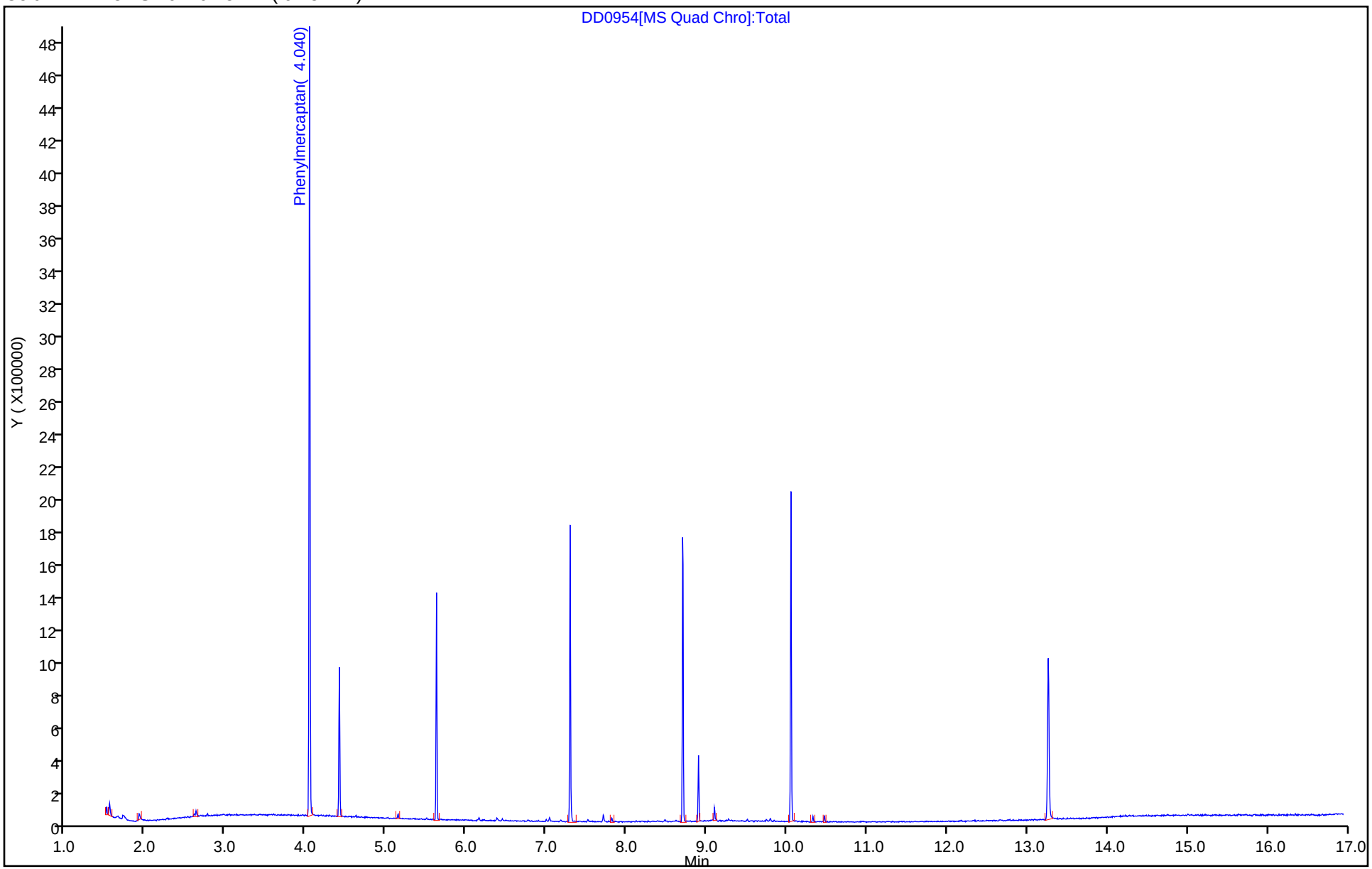
Report Date: 10-Apr-2025 10:51:34 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0954.D

Injection Date:	09-Apr-2025 22:19:50	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L8 BENZ			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

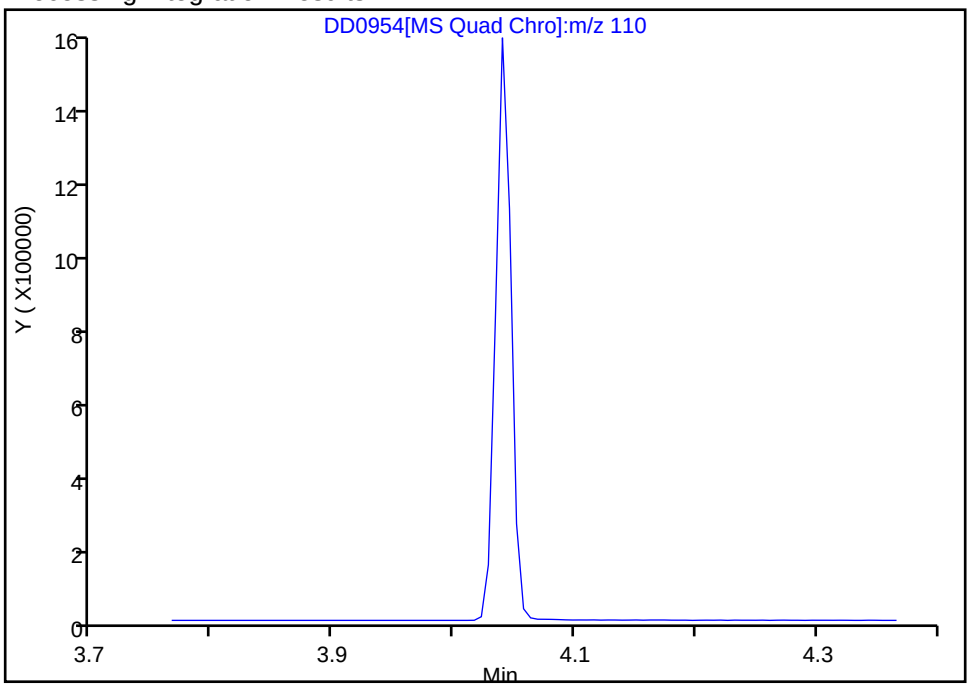
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0954.D				
Injection Date:	09-Apr-2025 22:19:50	Instrument ID:	HP19760		
Lims ID:	IC L8 BENZ				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	4	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

13 Phenylmercaptan, CAS: 108-98-5

Signal: 1

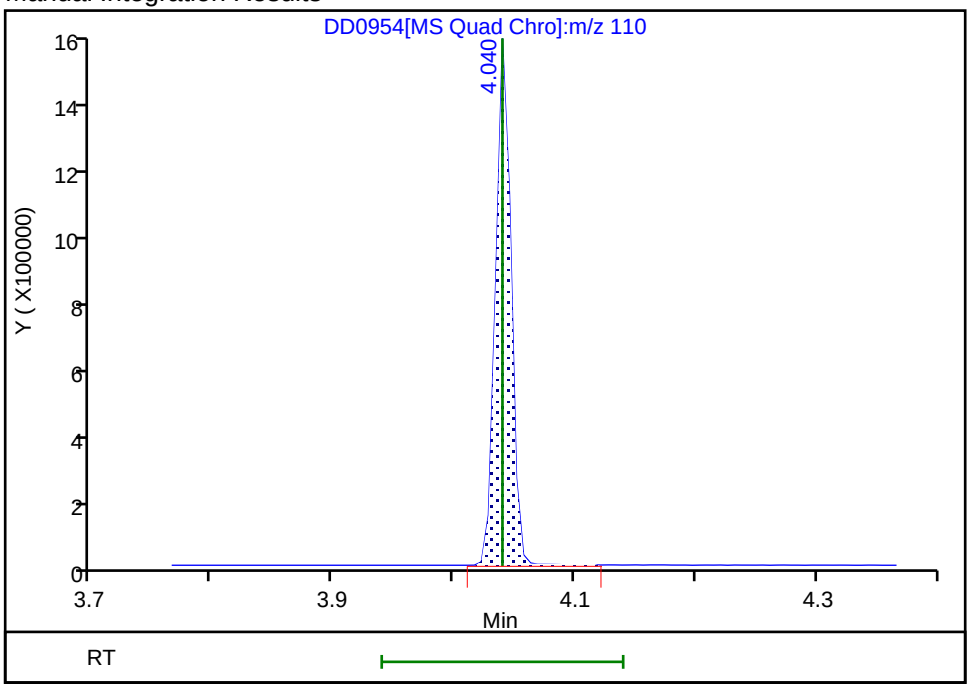
Processing Integration Results

Not Detected
Expected RT: 4.04



Manual Integration Results

RT: 4.04
Area: 1387378
Amount: 30.489164
Amount Units: ug/ml



Reviewer: N5QU, 09-Apr-2025 22:46:03 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0955.D
Lims ID: IC L7 BENZ
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 09-Apr-2025 22:41:59 ALS Bottle#: 5 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7 BENZ
Misc. Info.: 410-0143567-006
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub7

Method: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 10-Apr-2025 10:51:37 Calib Date: 10-Apr-2025 00:10:42
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0959.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: N5QU Date: 09-Apr-2025 23:36:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
13 Phenylmercaptan	110	4.040	4.040	0.000	98	817163	20.0	19.7	
* 22 1,4-Dichlorobenzene-d4	152	4.413	4.413	0.000	95	142663	5.00	5.00	
* 50 Naphthalene-d8	136	5.625	5.625	0.000	99	507968	5.00	5.00	
* 90 Acenaphthene-d10	164	7.292	7.292	0.000	95	286732	5.00	5.00	
* 126 Phenanthrene-d10	188	8.697	8.697	0.000	97	561826	5.00	5.00	
* 149 Pyrene-d10 (IS)	212	10.049	10.049	0.000	98	577355	5.00	5.00	
* 170 Perylene-d12	264	13.261	13.261	0.000	99	444912	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVBENZ_7_00015 Amount Added: 1.00 Units: mL

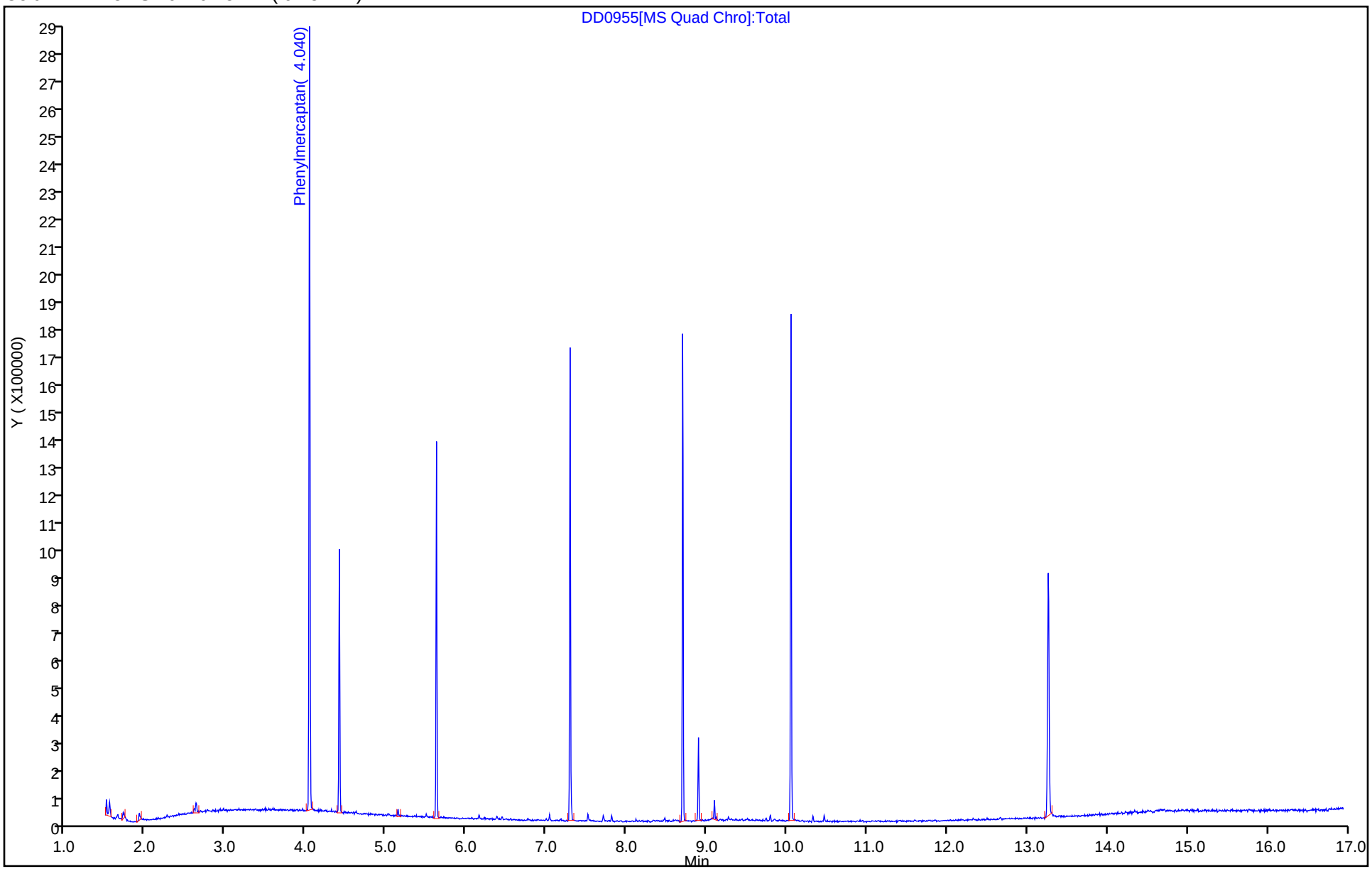
Report Date: 10-Apr-2025 10:51:37 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0955.D

Injection Date:	09-Apr-2025 22:41:59	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L7 BENZ			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0956.D
Lims ID: IC L6 BENZ
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 09-Apr-2025 23:04:11 ALS Bottle#: 6 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6 BENZ
Misc. Info.: 410-0143567-007
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub7

Method: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 10-Apr-2025 10:51:39 Calib Date: 10-Apr-2025 00:10:42
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0959.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: N5QU Date: 09-Apr-2025 23:36:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
13 Phenylmercaptan	110	4.040	4.040	0.000	98	461068	12.5	12.0	
* 22 1,4-Dichlorobenzene-d4	152	4.413	4.413	0.000	95	153213	5.00	5.00	
* 50 Naphthalene-d8	136	5.625	5.625	0.000	99	550052	5.00	5.00	
* 90 Acenaphthene-d10	164	7.292	7.292	0.000	95	297701	5.00	5.00	
* 126 Phenanthrene-d10	188	8.697	8.697	0.000	97	611113	5.00	5.00	
* 149 Pyrene-d10 (IS)	212	10.049	10.049	0.000	98	621217	5.00	5.00	
* 170 Perylene-d12	264	13.261	13.261	0.000	99	478878	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVBENZ_6_00018 Amount Added: 1.00 Units: mL

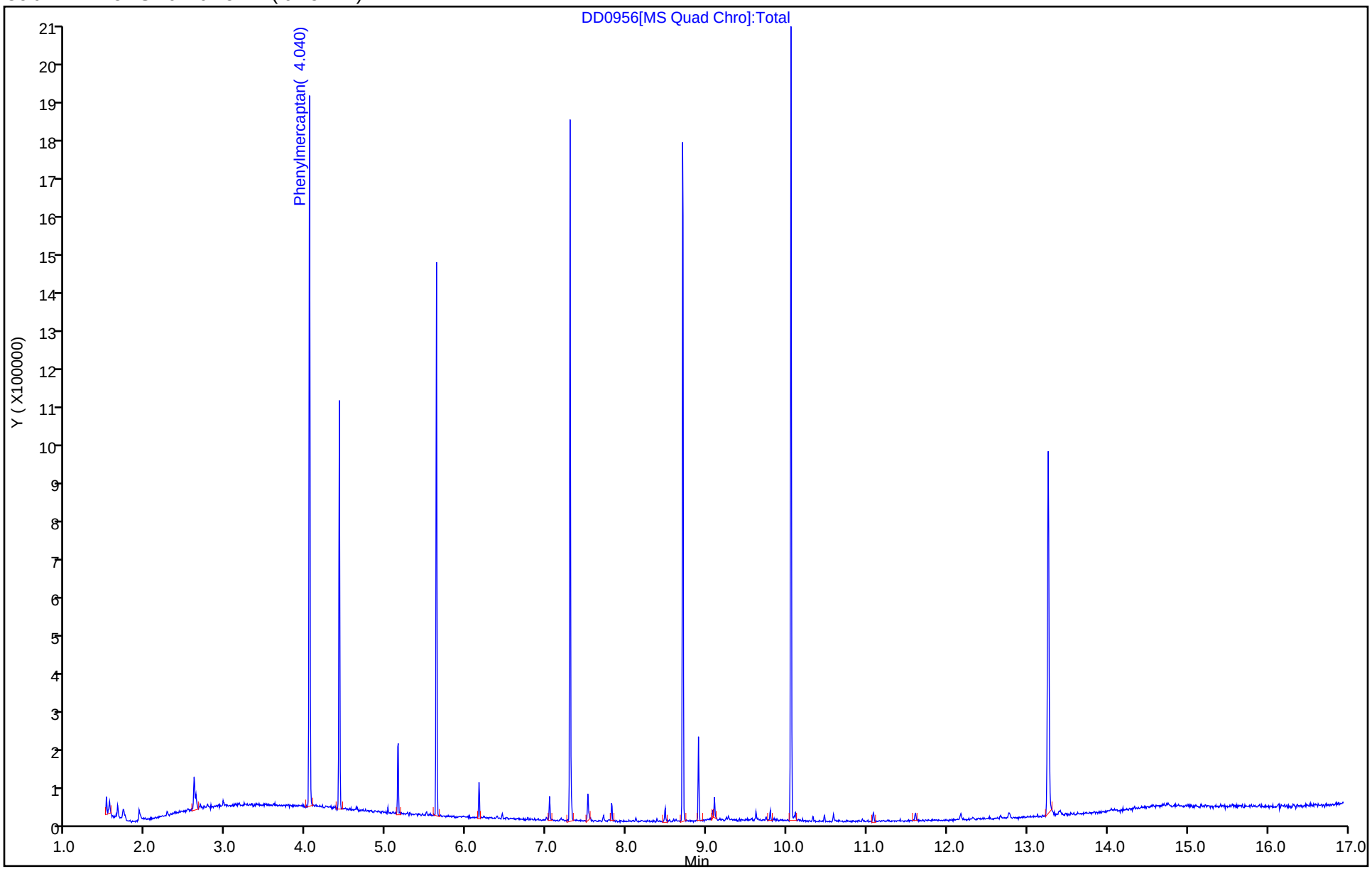
Report Date: 10-Apr-2025 10:51:39 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0956.D

Injection Date:	09-Apr-2025 23:04:11	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L6 BENZ			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0957.D
Lims ID: IC L5 BENZ
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 09-Apr-2025 23:26:18 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5 BENZ
Misc. Info.: 410-0143567-008
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub7

Method: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 10-Apr-2025 10:51:42 Calib Date: 10-Apr-2025 00:10:42
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0959.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: N5QU Date: 10-Apr-2025 00:08:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
13 Phenylmercaptan	110	4.040	4.040	0.000	97	221369	7.50	7.58	
* 22 1,4-Dichlorobenzene-d4	152	4.413	4.413	0.000	96	130859	5.00	5.00	
* 50 Naphthalene-d8	136	5.625	5.625	0.000	99	479433	5.00	5.00	
* 90 Acenaphthene-d10	164	7.292	7.292	0.000	95	272511	5.00	5.00	
* 126 Phenanthrene-d10	188	8.697	8.697	0.000	97	540840	5.00	5.00	
* 149 Pyrene-d10 (IS)	212	10.049	10.049	0.000	98	551675	5.00	5.00	
* 170 Perylene-d12	264	13.261	13.261	0.000	99	434770	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVBENZ_5_00016 Amount Added: 1.00 Units: mL

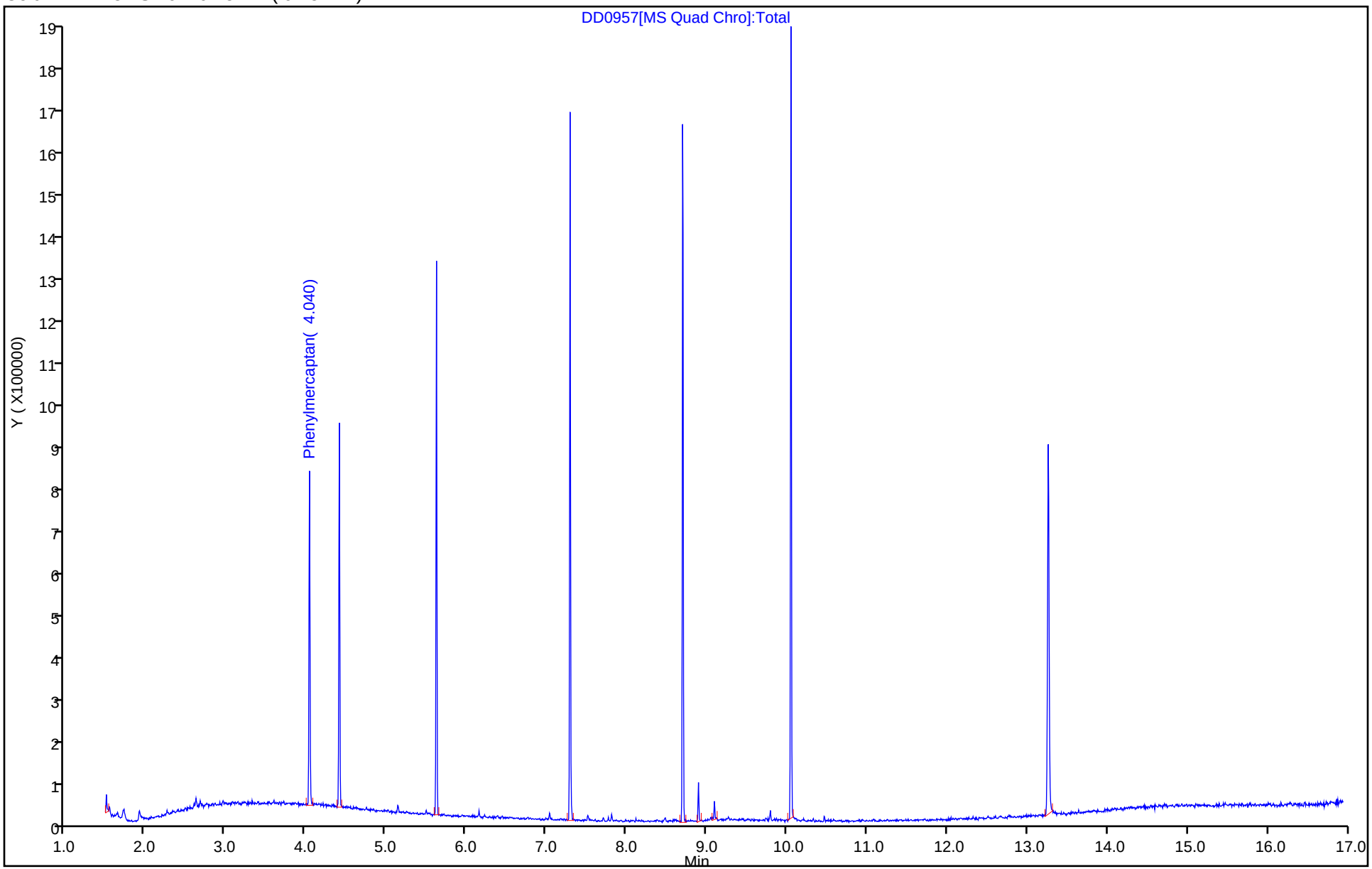
Report Date: 10-Apr-2025 10:51:42 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0957.D

Injection Date:	09-Apr-2025 23:26:18	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L5 BENZ			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0958.D
Lims ID: IC L4 BENZ
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 09-Apr-2025 23:48:27 ALS Bottle#: 8 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4 BENZ
Misc. Info.: 410-0143567-009
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub7

Method: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 10-Apr-2025 10:51:44 Calib Date: 10-Apr-2025 00:10:42
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0959.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: N5QU Date: 10-Apr-2025 00:09:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
13 Phenylmercaptan	110	4.040	4.040	0.000	98	97649	3.75	3.94	
* 22 1,4-Dichlorobenzene-d4	152	4.413	4.413	0.000	96	135405	5.00	5.00	
* 50 Naphthalene-d8	136	5.625	5.625	0.000	99	493003	5.00	5.00	
* 90 Acenaphthene-d10	164	7.292	7.292	0.000	95	274265	5.00	5.00	
* 126 Phenanthrene-d10	188	8.697	8.697	0.000	97	560155	5.00	5.00	
* 149 Pyrene-d10 (IS)	212	10.049	10.049	0.000	98	565126	5.00	5.00	
* 170 Perylene-d12	264	13.261	13.261	0.000	99	457539	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVBENZ_4_00015 Amount Added: 1.00 Units: mL

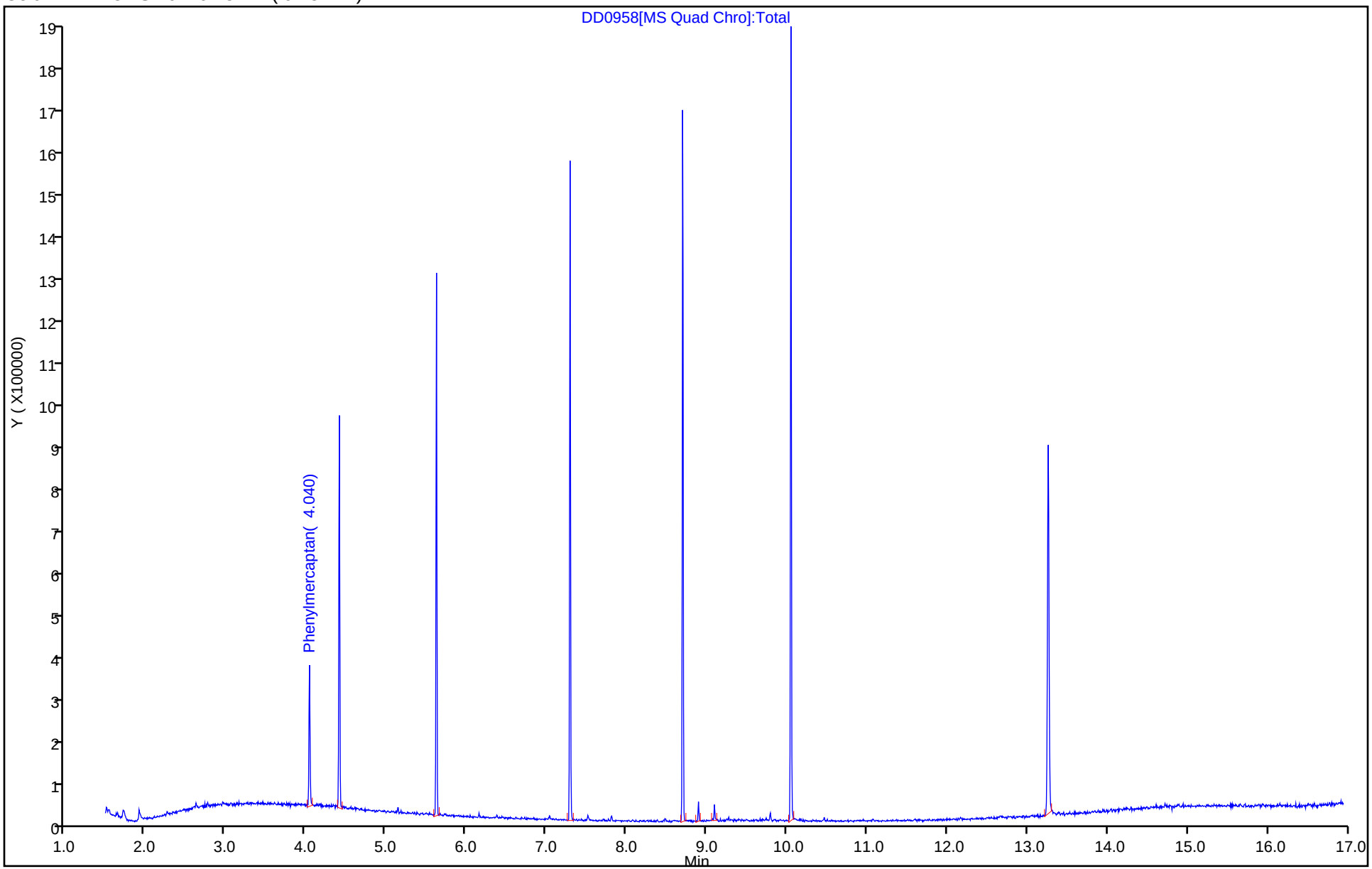
Report Date: 10-Apr-2025 10:51:45 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0958.D

Injection Date:	09-Apr-2025 23:48:27	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L4 BENZ			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0959.D
Lims ID: IC L3 BENZ
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 10-Apr-2025 00:10:42 ALS Bottle#: 9 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3 BENZ
Misc. Info.: 410-0143567-010
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub7

Method: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 10-Apr-2025 10:51:47 Calib Date: 10-Apr-2025 00:10:42
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0959.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: W6ZA Date: 10-Apr-2025 10:28:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
13 Phenylmercaptan	110	4.040	4.040	0.000	96	10006	1.25	1.23	
* 22 1,4-Dichlorobenzene-d4	152	4.413	4.413	0.000	96	135660	5.00	5.00	
* 50 Naphthalene-d8	136	5.625	5.625	0.000	100	494343	5.00	5.00	
* 90 Acenaphthene-d10	164	7.292	7.292	0.000	94	275927	5.00	5.00	
* 126 Phenanthrene-d10	188	8.697	8.697	0.000	97	542394	5.00	5.00	
* 149 Pyrene-d10 (IS)	212	10.049	10.049	0.000	98	556885	5.00	5.00	
* 170 Perylene-d12	264	13.261	13.261	0.000	99	468085	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVBENZ_3_00015 Amount Added: 1.00 Units: mL

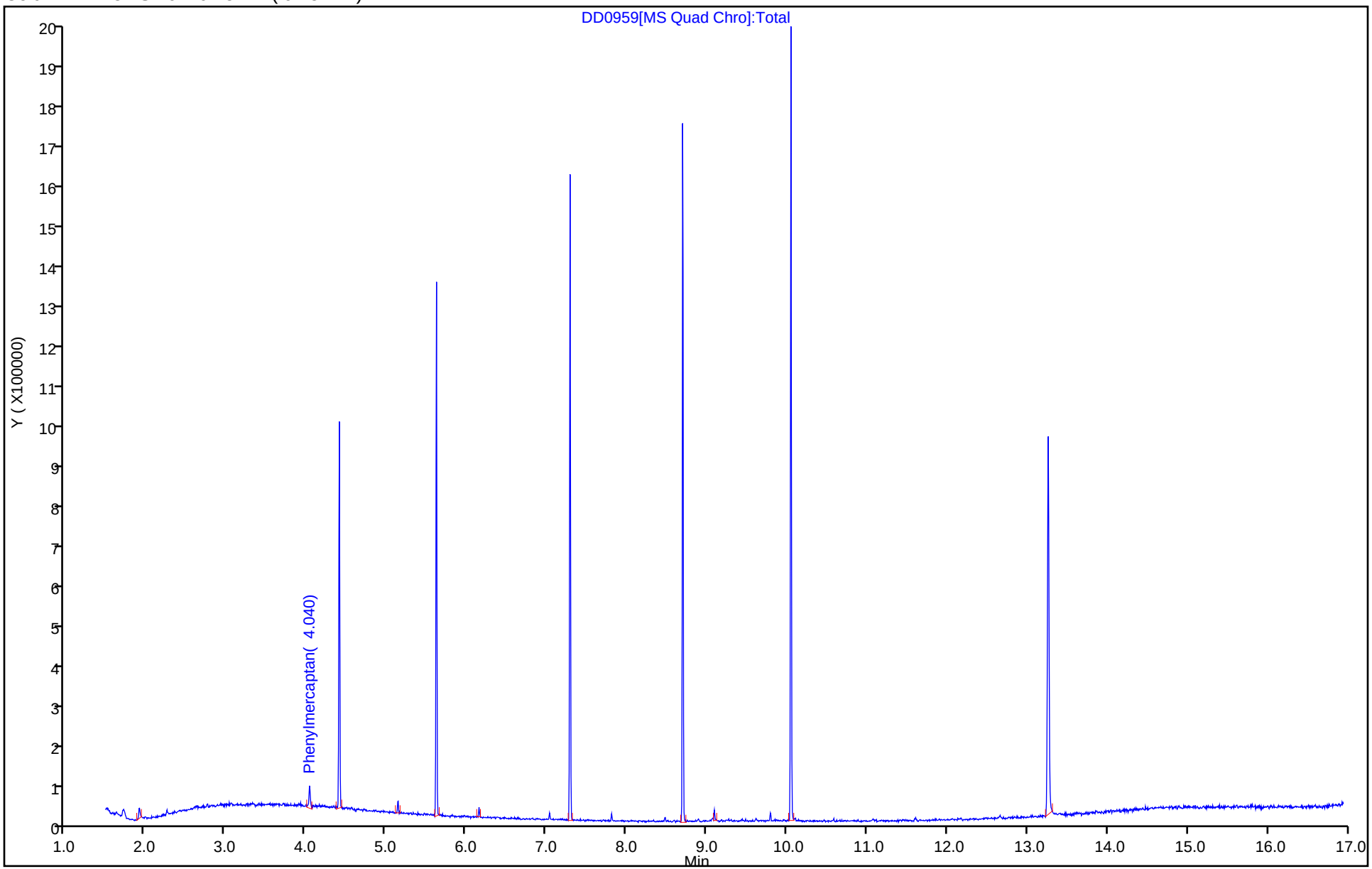
Report Date: 10-Apr-2025 10:51:47 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0959.D

Injection Date:	10-Apr-2025 00:10:42	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L3 BENZ			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Calibration / Phenylmercaptan

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

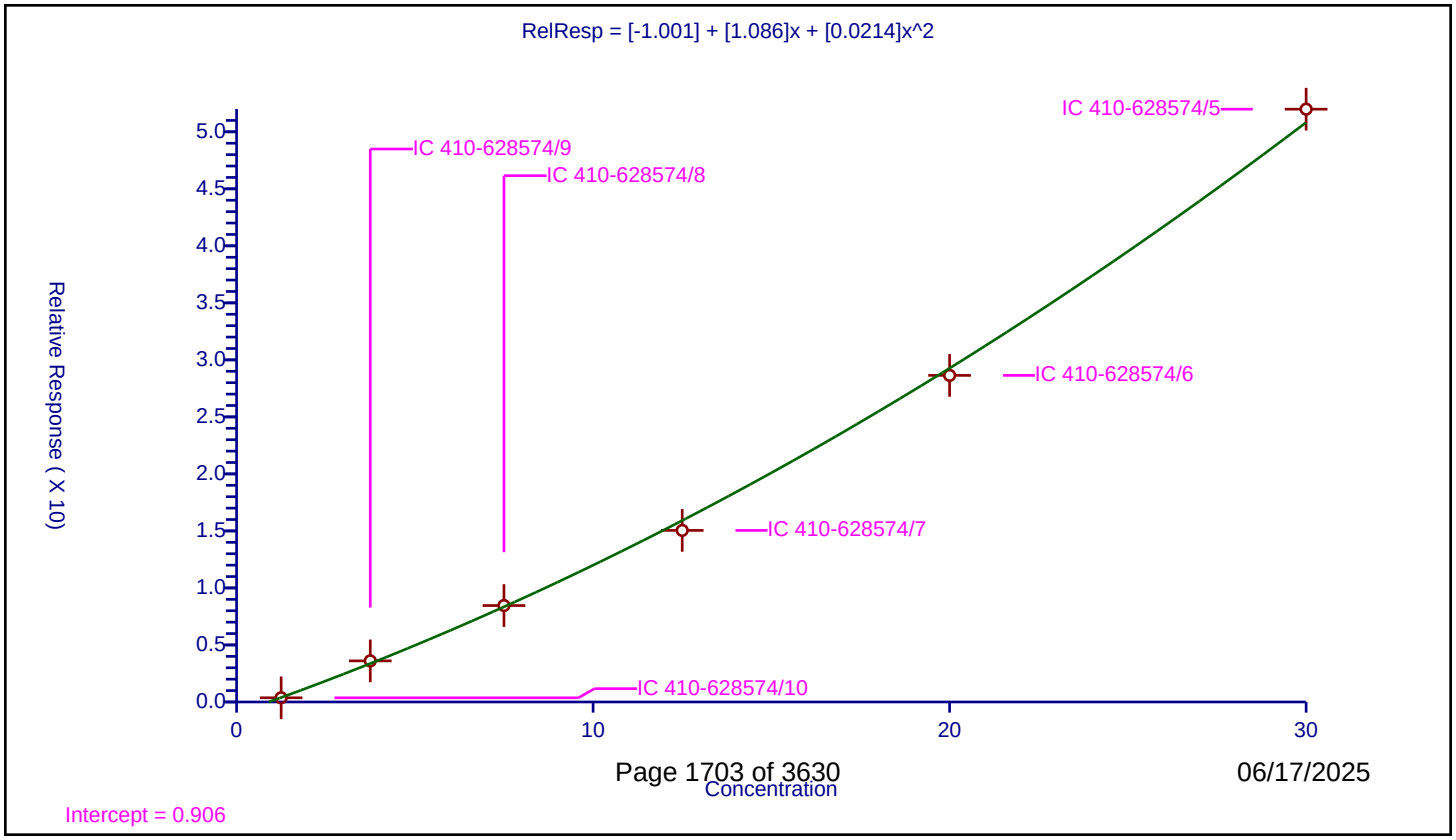
Curve Coefficients

Intercept:	-1.001
Slope:	1.086
Second Order:	0.0214

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-628574/10	1.25	0.36879	5.0	135660.0	0.295032	Y
2	IC 410-628574/9	3.75	3.605812	5.0	135405.0	0.96155	Y
3	IC 410-628574/8	7.5	8.458302	5.0	130859.0	1.127774	Y
4	IC 410-628574/7	12.5	15.046634	5.0	153213.0	1.203731	Y
5	IC 410-628574/6	20.0	28.639626	5.0	142663.0	1.431981	Y
6	IC 410-628574/5	30.0	51.986256	5.0	133437.0	1.732875	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 647492

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2025 13:48 Calibration End Date: 05/22/2025 15:39 Calibration ID: 72994

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-647492/46	DE2216.D
Level 2	IC 410-647492/45	DE2215.D
Level 3	IC 410-647492/44	DE2214.D
Level 4	IC 410-647492/43	DE2213.D
Level 5	IC 410-647492/42	DE2212.D
Level 6	IC 410-647492/41	DE2211.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methapyrilene	0.3096 0.2421	0.3087	0.3498	0.3072	0.2996	Ave		0.3028				11.5		20.0			
Famphur	0.4263 0.3505	0.4492	0.4871	0.4978	0.4288	Ave		0.4400				12.0		20.0			
Kepone	0.1046 0.0932	0.1080	0.1132	0.1094	0.1049	Ave		0.1055				6.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 647492

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2025 13:48 Calibration End Date: 05/22/2025 15:39 Calibration ID: 72994

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-647492/46	DE2216.D
Level 2	IC 410-647492/45	DE2215.D
Level 3	IC 410-647492/44	DE2214.D
Level 4	IC 410-647492/43	DE2213.D
Level 5	IC 410-647492/42	DE2212.D
Level 6	IC 410-647492/41	DE2211.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methapyrilene	PHN	Ave	91549 871662	137076	310790	455915	690776	1.25 30.0	3.75	7.50	12.5	20.0
Famphur	PYR10	Ave	127850 1304868	199225	433284	752711	1006342	1.25 30.0	3.75	7.50	12.5	20.0
Kepone	PYR10	Ave	311369 1148805	317077	533272	788220	978136	12.4 99.3	24.8	39.7	59.6	79.4

Curve Type Legend:
Ave = Average ISTD

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2211.D
Lims ID: IC L8 ABC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 22-May-2025 13:48:34 ALS Bottle#: 11 Worklist Smp#: 41
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8 ABC
Misc. Info.: 410-0148000-041
Operator ID: CJS101602 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 27-May-2025 10:11:39 Calib Date: 22-May-2025 15:39:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2216.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: SJ89 Date: 27-May-2025 10:11:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	4.260	4.260	0.000	96	166021	5.00	5.00	
* 50 Naphthalene-d8	136	5.478	5.478	0.000	99	594120	5.00	5.00	
* 90 Acenaphthene-d10	164	7.145	7.145	0.000	94	338282	5.00	5.00	
* 126 Phenanthrene-d10	188	8.549	8.549	0.000	97	600187	5.00	5.00	
132 Methapyrilene	97	9.395	9.395	0.000	86	871662	30.0	24.0	
* 149 Pyrene-d10 (IS)	212	9.896	9.896	0.000	99	620409	5.00	5.00	
151 Famphur	218	10.514	10.514	0.000	84	1304868	30.0	23.9	
153 Kepone	272	10.584	10.584	0.000	96	1148805	99.3	87.7	
* 170 Perylene-d12	264	13.014	13.014	0.000	97	468629	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_8_00016 Amount Added: 1.00 Units: mL

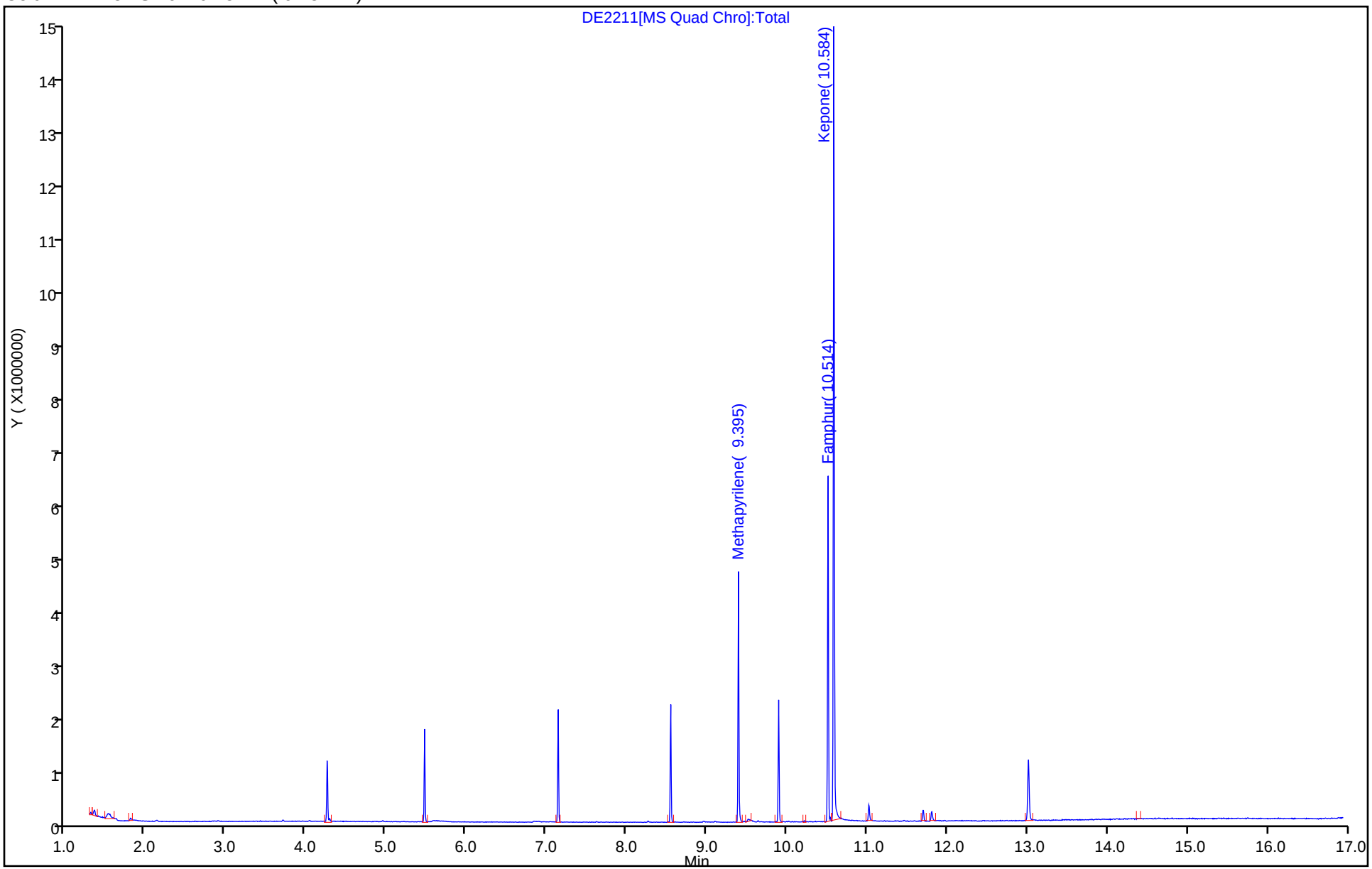
Report Date: 27-May-2025 10:11:39 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2211.D

Injection Date:	22-May-2025 13:48:34	Instrument ID:	HP19760	Operator ID:	CJS101602
Lims ID:	IC L8 ABC			Worklist Smp#:	41
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2212.D
Lims ID: IC L7 ABC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 22-May-2025 14:10:37 ALS Bottle#: 12 Worklist Smp#: 42
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7 ABC
Misc. Info.: 410-0148000-042
Operator ID: CJS101602 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 27-May-2025 10:12:06 Calib Date: 22-May-2025 15:39:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2216.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: N5QU Date: 22-May-2025 17:25:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	4.260	4.259	0.001	97	155727	5.00	5.00	
* 50 Naphthalene-d8	136	5.478	5.478	0.000	99	581898	5.00	5.00	
* 90 Acenaphthene-d10	164	7.139	7.145	-0.006	94	333129	5.00	5.00	
* 126 Phenanthrene-d10	188	8.544	8.544	0.000	98	576424	5.00	5.00	
132 Methapyrilene	97	9.389	9.395	-0.006	86	690776	20.0	19.8	
* 149 Pyrene-d10 (IS)	212	9.890	9.890	0.000	99	586700	5.00	5.00	
151 Famphur	218	10.508	10.514	-0.006	84	1006342	20.0	19.5	
153 Kepone	272	10.578	10.584	-0.006	95	978136	79.4	79.0	
* 170 Perylene-d12	264	13.008	13.008	0.000	98	453758	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVABC_7_00015 Amount Added: 1.00 Units: mL

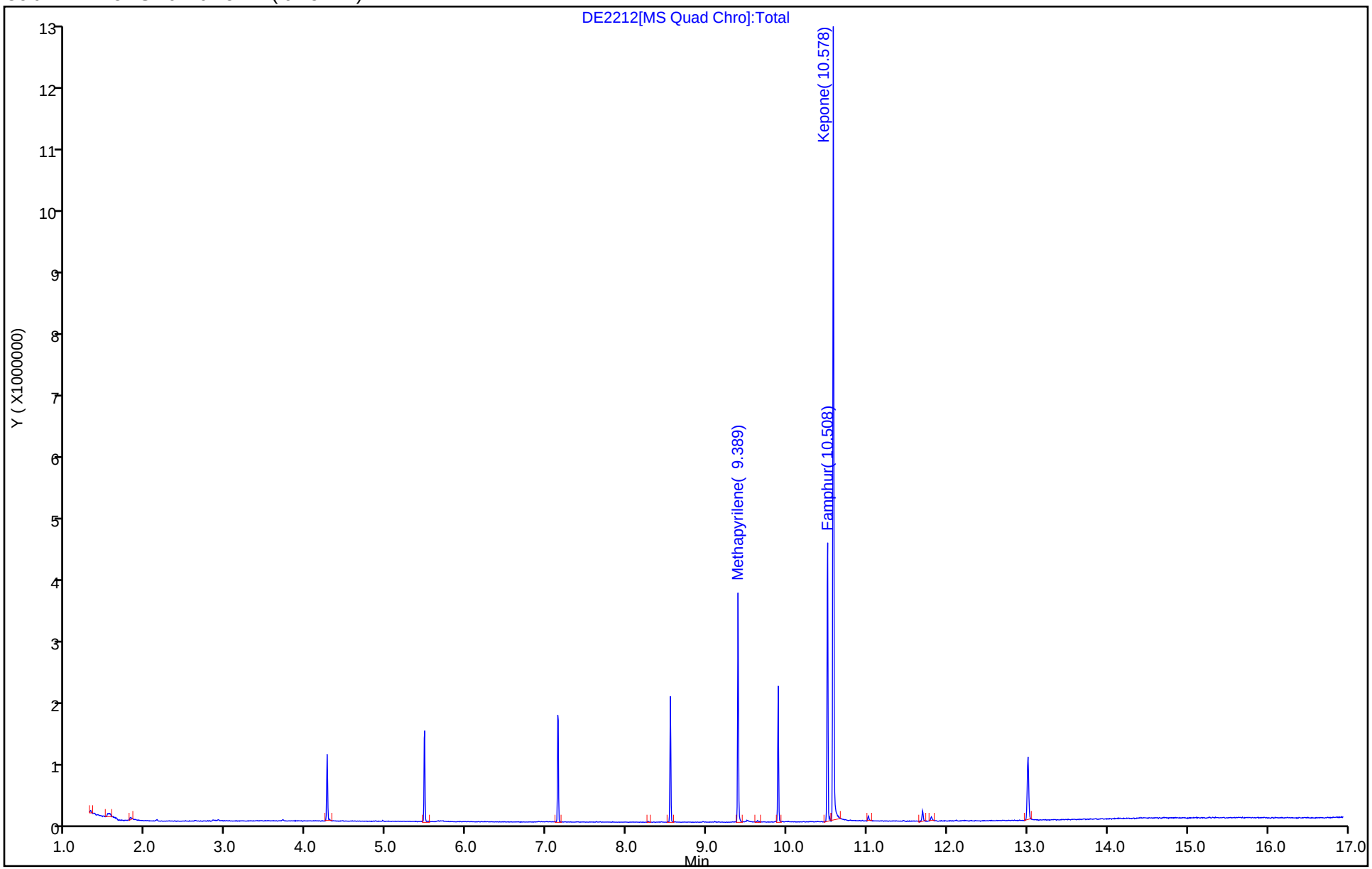
Report Date: 27-May-2025 10:12:07 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2212.D

Injection Date:	22-May-2025 14:10:37	Instrument ID:	HP19760	Operator ID:	CJS101602
Lims ID:	IC L7 ABC			Worklist Smp#:	42
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2213.D
Lims ID: IC L6 ABC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-May-2025 14:32:47 ALS Bottle#: 13 Worklist Smp#: 43
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6 ABC
Misc. Info.: 410-0148000-043
Operator ID: CJS101602 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 27-May-2025 10:12:10 Calib Date: 22-May-2025 15:39:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2216.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: N5QU Date: 22-May-2025 17:26:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	4.260	4.259	0.001	96	160166	5.00	5.00	
* 50 Naphthalene-d8	136	5.478	5.478	0.000	99	581393	5.00	5.00	
* 90 Acenaphthene-d10	164	7.139	7.145	-0.006	95	340645	5.00	5.00	
* 126 Phenanthrene-d10	188	8.544	8.544	0.000	98	593609	5.00	5.00	
132 Methapyrilene	97	9.389	9.395	-0.006	87	455915	12.5	12.7	
* 149 Pyrene-d10 (IS)	212	9.890	9.890	0.000	99	604795	5.00	5.00	
151 Famphur	218	10.508	10.514	-0.006	85	752711	12.5	14.1	
153 Kepone	272	10.578	10.584	-0.006	95	788220	59.6	61.7	
* 170 Perylene-d12	264	13.008	13.008	0.000	98	451475	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVABC_6_00023 Amount Added: 1.00 Units: mL

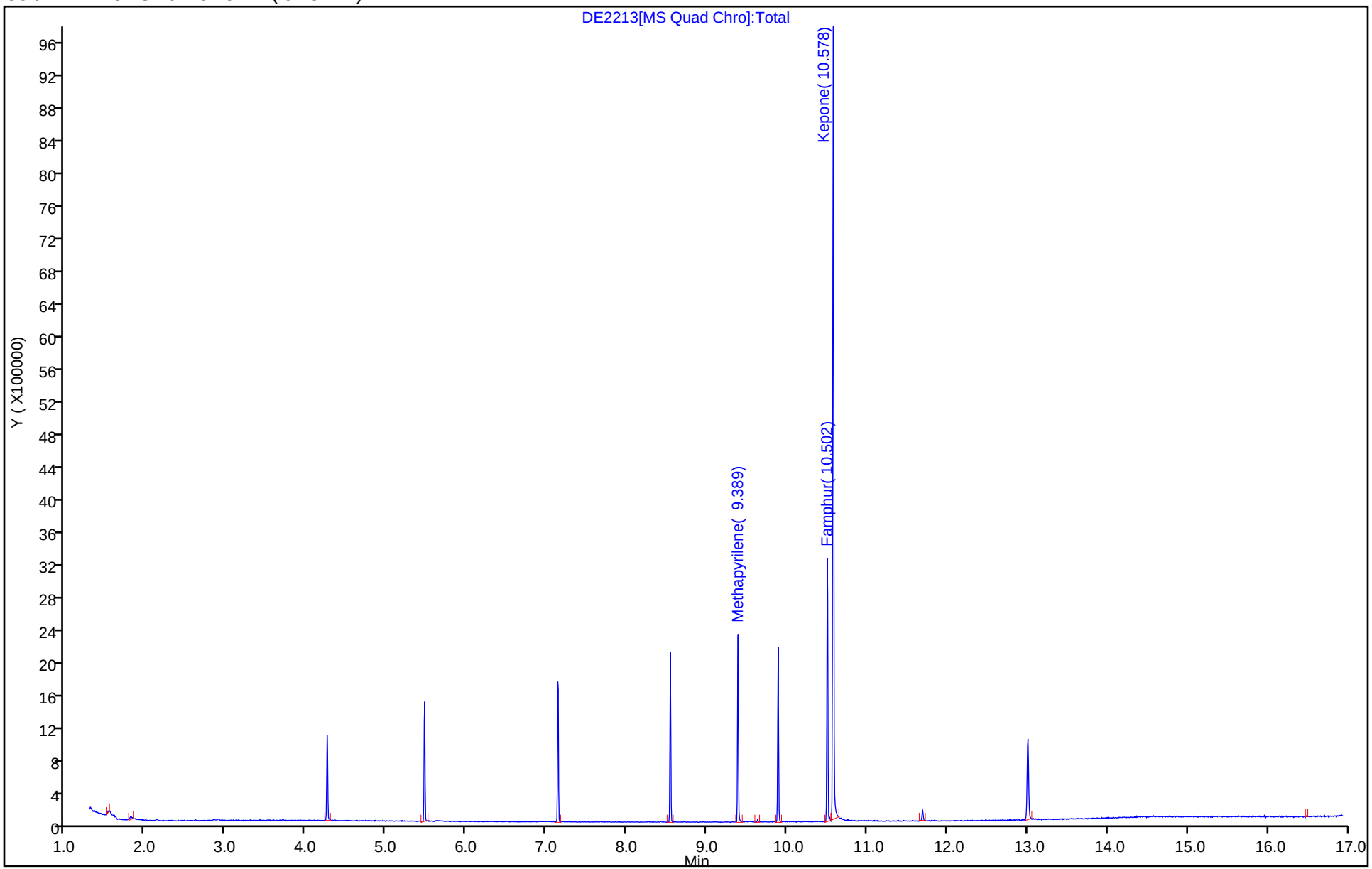
Report Date: 27-May-2025 10:12:10 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2213.D

Injection Date:	22-May-2025 14:32:47	Instrument ID:	HP19760	Operator ID:	CJS101602
Lims ID:	IC L6 ABC			Worklist Smp#:	43
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2214.D
Lims ID: IC L5 ABC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-May-2025 14:55:14 ALS Bottle#: 14 Worklist Smp#: 44
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6 ABC
Misc. Info.: 410-0148000-044
Operator ID: CJS101602 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 27-May-2025 10:12:14 Calib Date: 22-May-2025 15:39:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2216.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: N5QU Date: 22-May-2025 17:26:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	4.259	4.259	0.000	96	159285	5.00	5.00	
* 50 Naphthalene-d8	136	5.478	5.478	0.000	99	586427	5.00	5.00	
* 90 Acenaphthene-d10	164	7.145	7.145	0.000	95	327203	5.00	5.00	
* 126 Phenanthrene-d10	188	8.543	8.543	0.000	97	592274	5.00	5.00	
132 Methapyrilene	97	9.389	9.389	0.000	87	310790	7.50	8.66	
* 149 Pyrene-d10 (IS)	212	9.890	9.890	0.000	98	593039	5.00	5.00	
151 Famphur	218	10.502	10.502	0.000	85	433284	7.50	8.30	
153 Kepone	272	10.578	10.578	0.000	95	533272	39.7	42.6	
* 170 Perylene-d12	264	13.008	13.008	0.000	98	453623	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVABC_5_00014 Amount Added: 1.00 Units: mL

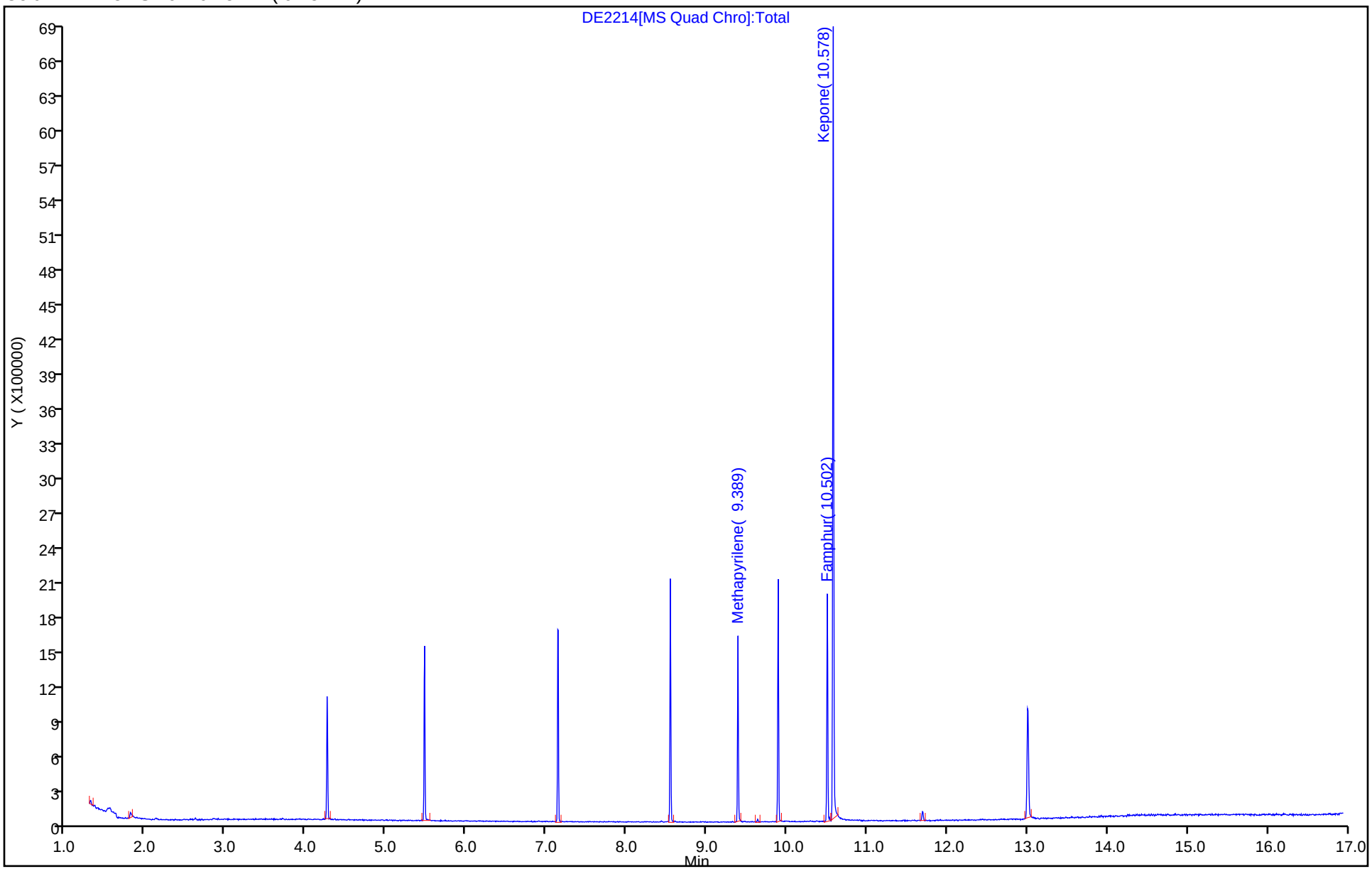
Report Date: 27-May-2025 10:12:14 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2214.D

Injection Date:	22-May-2025 14:55:14	Instrument ID:	HP19760	Operator ID:	CJS101602
Lims ID:	IC L5 ABC			Worklist Smp#:	44
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2215.D
Lims ID: IC L4 ABC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-May-2025 15:17:26 ALS Bottle#: 15 Worklist Smp#: 45
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4 ABC
Misc. Info.: 410-0148000-045
Operator ID: CJS101602 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 27-May-2025 10:12:18 Calib Date: 22-May-2025 15:39:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2216.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: N5QU Date: 22-May-2025 17:26:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	4.259	4.259	0.000	96	156124	5.00	5.00	
* 50 Naphthalene-d8	136	5.478	5.478	0.000	99	593286	5.00	5.00	
* 90 Acenaphthene-d10	164	7.145	7.145	0.000	95	332441	5.00	5.00	
* 126 Phenanthrene-d10	188	8.544	8.543	0.001	97	592054	5.00	5.00	
132 Methapyrilene	97	9.389	9.389	0.000	86	137076	3.75	3.82	
* 149 Pyrene-d10 (IS)	212	9.890	9.890	0.000	98	591335	5.00	5.00	
151 Famphur	218	10.502	10.502	0.000	85	199225	3.75	3.83	
153 Kepone	272	10.578	10.578	0.000	95	317077	24.8	25.4	
* 170 Perylene-d12	264	13.008	13.008	0.000	97	455959	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVABC_4_00014 Amount Added: 1.00 Units: mL

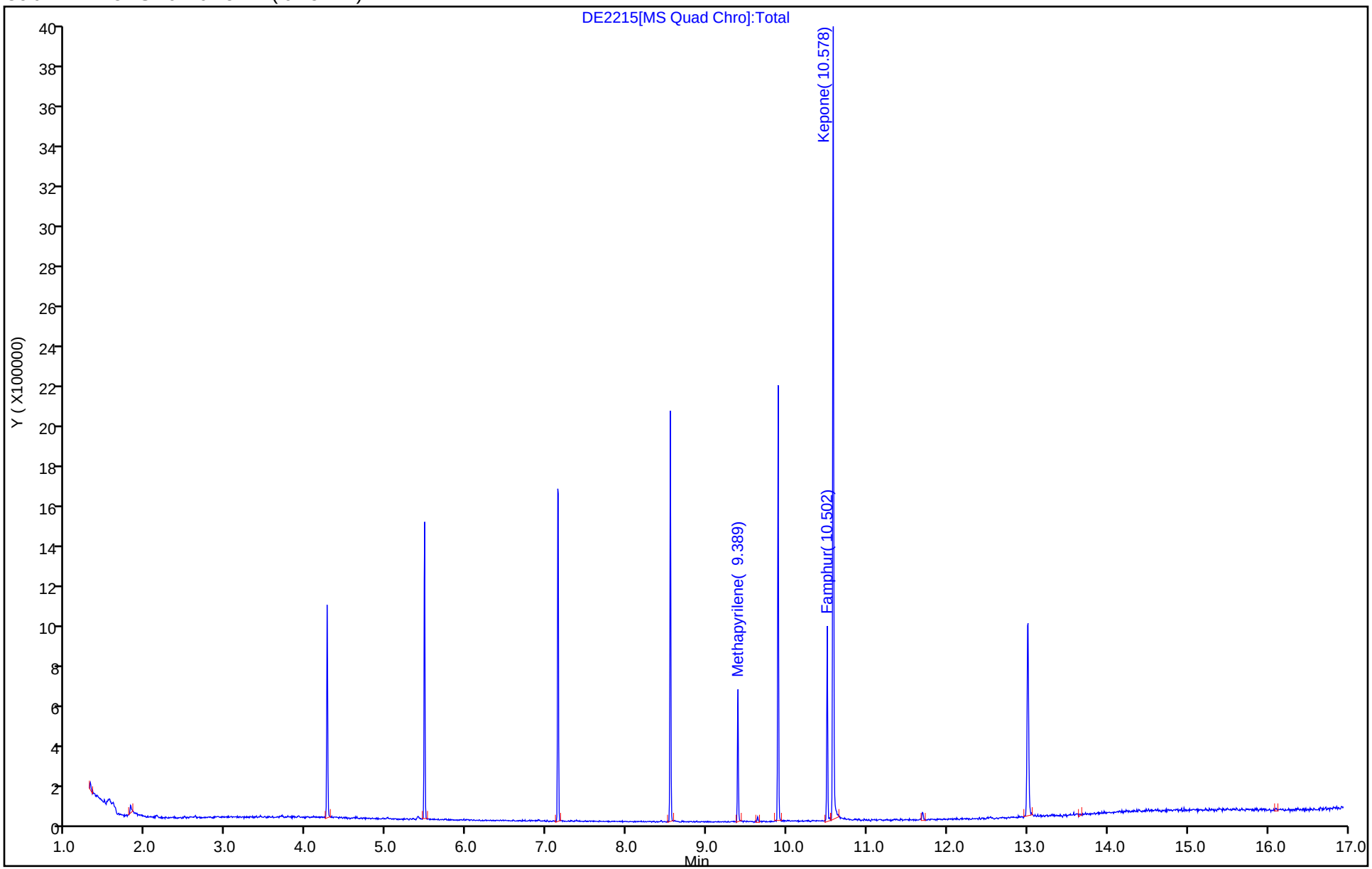
Report Date: 27-May-2025 10:12:18 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2215.D

Injection Date:	22-May-2025 15:17:26	Instrument ID:	HP19760	Operator ID:	CJS101602
Lims ID:	IC L4 ABC			Worklist Smp#:	45
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2216.D
Lims ID: IC L3 ABC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-May-2025 15:39:38 ALS Bottle#: 16 Worklist Smp#: 46
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3 ABC
Misc. Info.: 410-0148000-046
Operator ID: CJS101602 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 27-May-2025 10:12:22 Calib Date: 22-May-2025 15:39:38
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2216.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: N5QU Date: 22-May-2025 17:27:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	4.259	4.259	0.000	97	306726	5.00	5.00	
* 50 Naphthalene-d8	136	5.478	5.478	0.000	99	1190421	5.00	5.00	
* 90 Acenaphthene-d10	164	7.145	7.145	0.000	94	674215	5.00	5.00	
* 126 Phenanthrene-d10	188	8.543	8.543	0.000	98	1182800	5.00	5.00	
132 Methapyrilene	97	9.389	9.389	0.000	86	91549	1.25	1.28	
* 149 Pyrene-d10 (IS)	212	9.890	9.890	0.000	98	1199550	5.00	5.00	
151 Famphur	218	10.502	10.502	0.000	85	127850	1.25	1.21	
153 Kepone	272	10.578	10.578	0.000	95	311369	12.4	12.3	a
* 170 Perylene-d12	264	13.008	13.008	0.000	98	975445	5.00	5.00	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MSS_RVABC_3_00017 Amount Added: 1.00 Units: mL

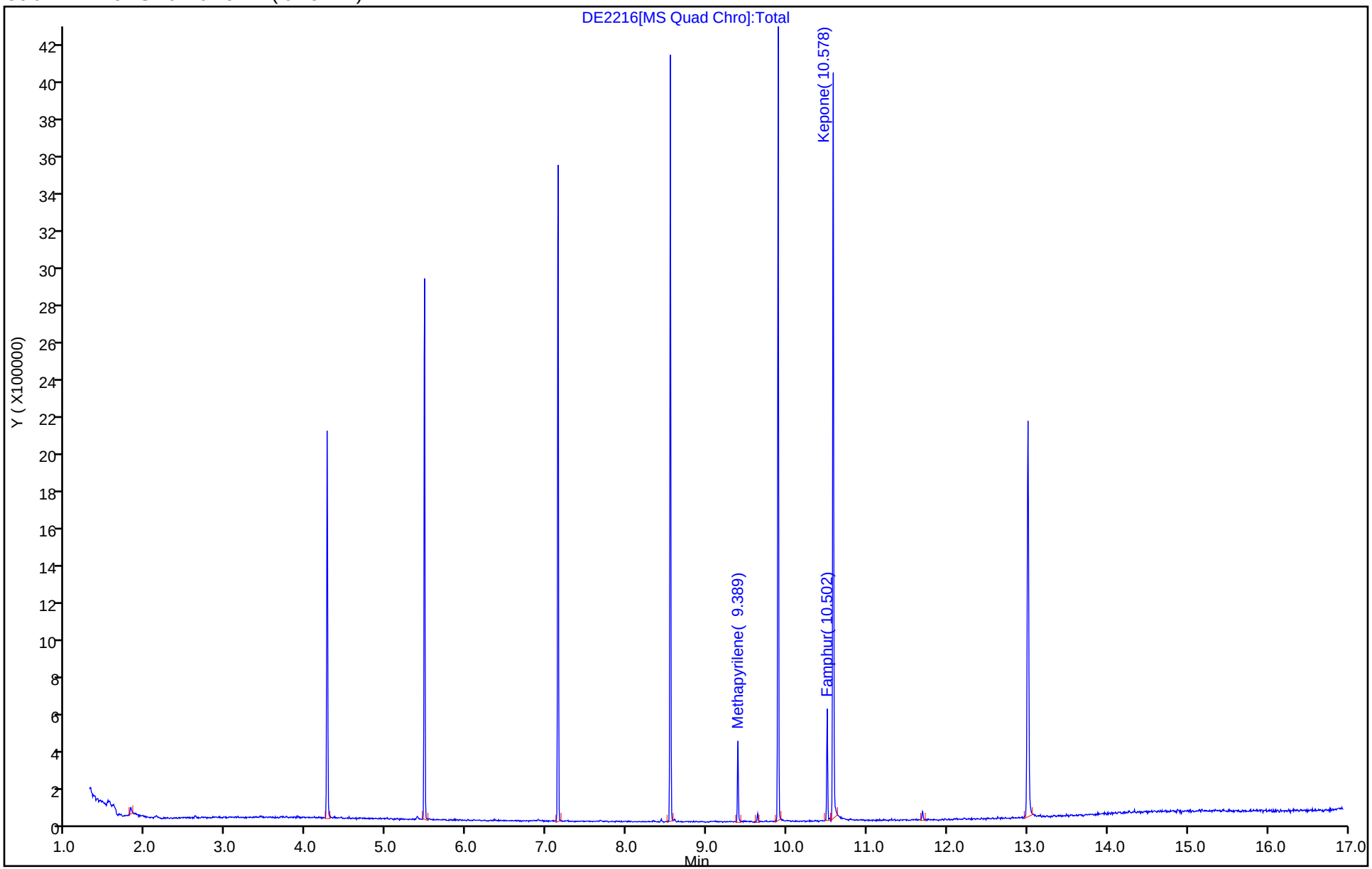
Report Date: 27-May-2025 10:12:22 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2216.D

Injection Date:	22-May-2025 15:39:38	Instrument ID:	HP19760	Operator ID:	CJS101602
Lims ID:	IC L3 ABC			Worklist Smp#:	46
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

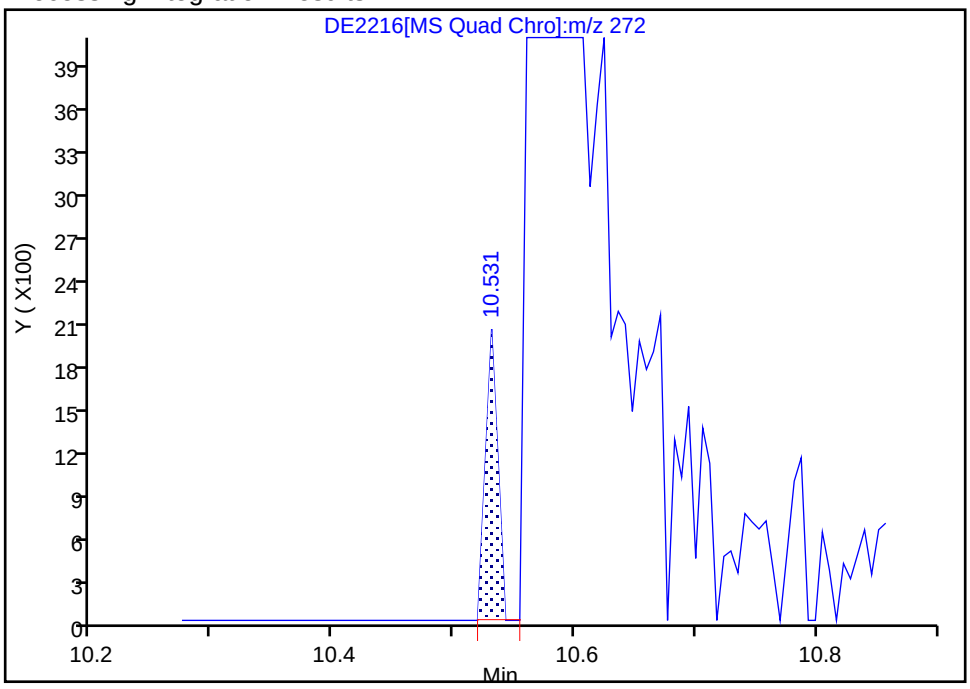
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250522-148000.b\DE2216.D				
Injection Date:	22-May-2025 15:39:38	Instrument ID:	HP19760		
Lims ID:	IC L3 ABC				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	16	Worklist Smp#:	46
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

153 Kepone, CAS: 143-50-0

Signal: 1

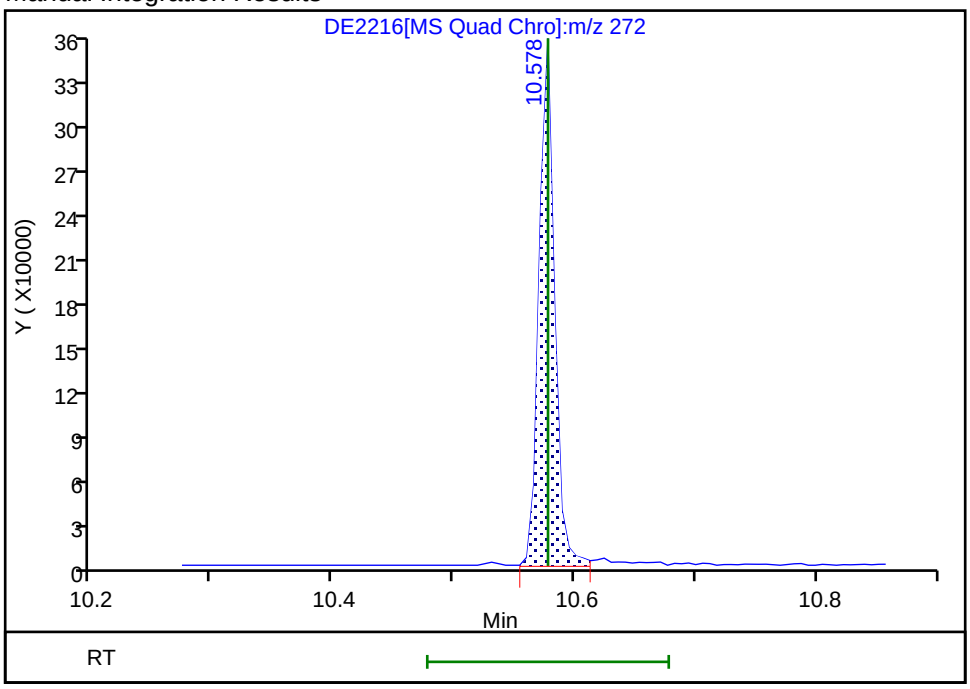
Processing Integration Results

RT: 10.53
Area: 1434
Amount: 12.200831
Amount Units: ug/ml



Manual Integration Results

RT: 10.58
Area: 311369
Amount: 12.296225
Amount Units: ug/ml



Reviewer: N5QU, 22-May-2025 17:27:01 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / Methapyrilene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

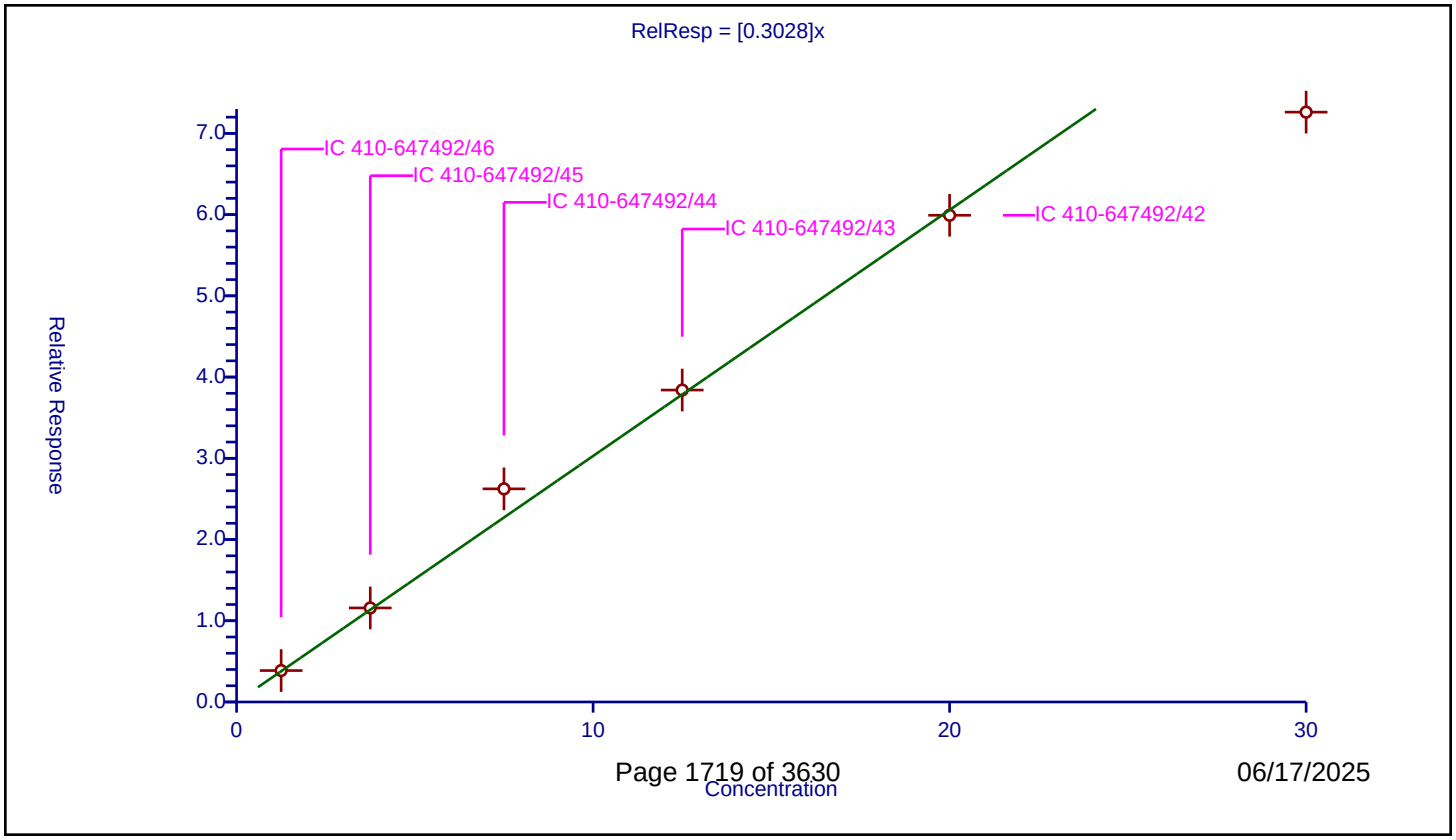
Curve Coefficients

Intercept:	0
Slope:	0.3028

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647492/46	1.25	0.387001	5.0	1182800.0	0.309601	Y
2	IC 410-647492/45	3.75	1.157631	5.0	592054.0	0.308702	Y
3	IC 410-647492/44	7.5	2.623701	5.0	592274.0	0.349827	Y
4	IC 410-647492/43	12.5	3.840196	5.0	593609.0	0.307216	Y
5	IC 410-647492/42	20.0	5.991909	5.0	576424.0	0.299595	Y
6	IC 410-647492/41	30.0	7.261587	5.0	600187.0	0.242053	Y



Calibration / Famphur

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

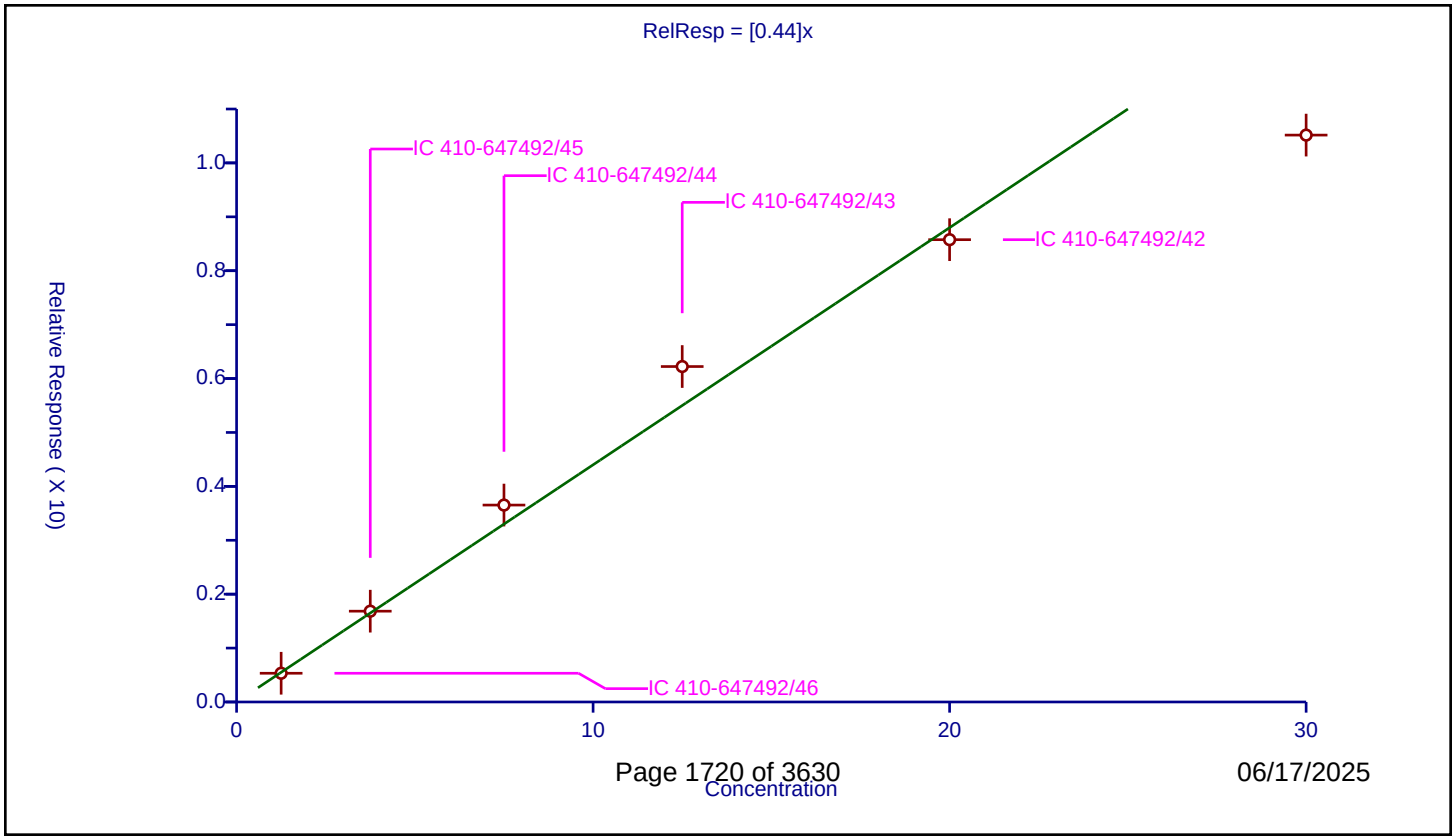
Curve Coefficients

Intercept:	0
Slope:	0.44

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647492/46	1.25	0.532908	5.0	1199550.0	0.426327	Y
2	IC 410-647492/45	3.75	1.684536	5.0	591335.0	0.44921	Y
3	IC 410-647492/44	7.5	3.653082	5.0	593039.0	0.487078	Y
4	IC 410-647492/43	12.5	6.222861	5.0	604795.0	0.497829	Y
5	IC 410-647492/42	20.0	8.576291	5.0	586700.0	0.428815	Y
6	IC 410-647492/41	30.0	10.516192	5.0	620409.0	0.35054	Y



Calibration / Kepone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

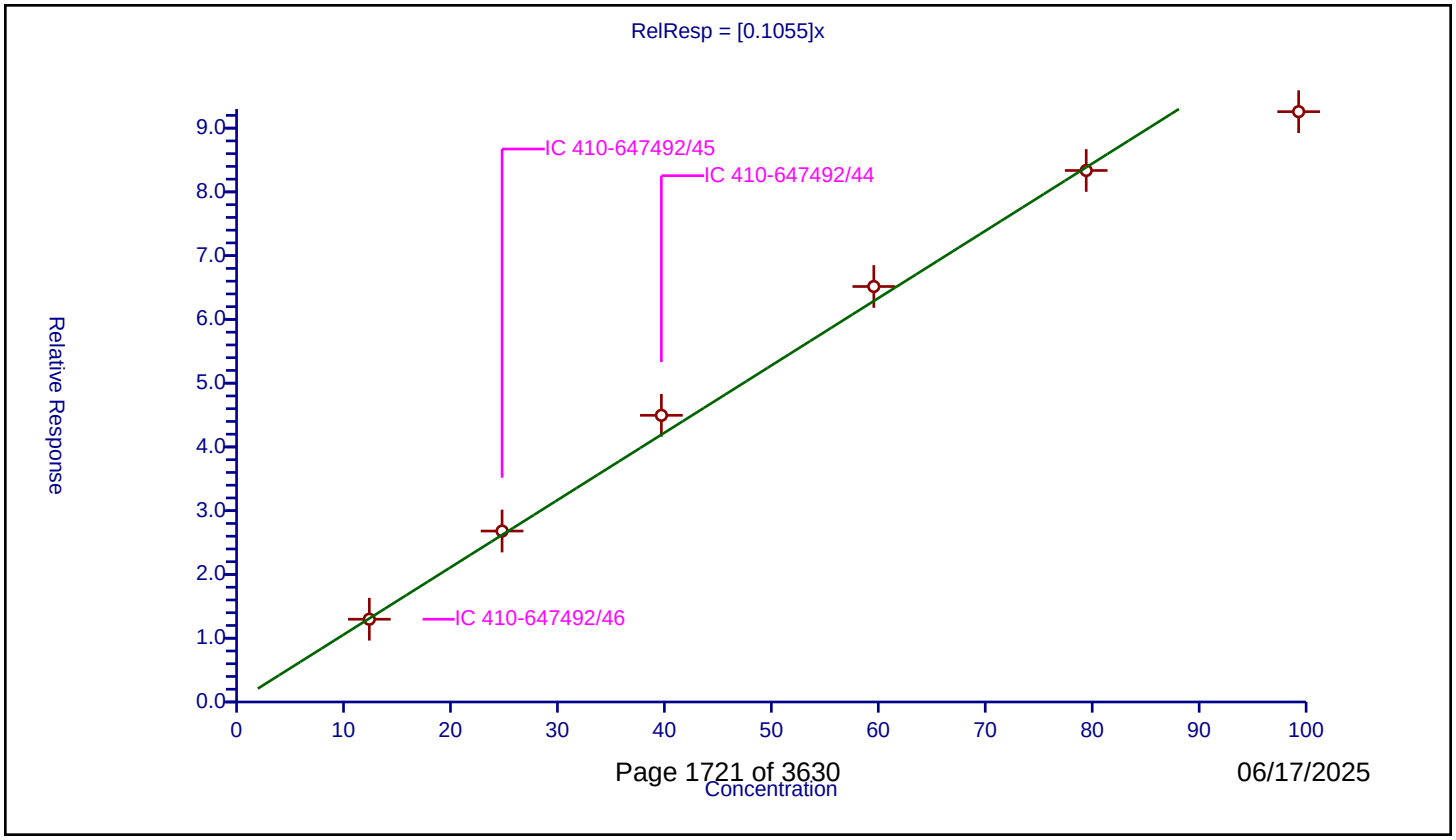
Curve Coefficients

Intercept:	0
Slope:	0.1055

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647492/46	12.4125	1.297858	5.0	1199550.0	0.104561	Y
2	IC 410-647492/45	24.825	2.681027	5.0	591335.0	0.107997	Y
3	IC 410-647492/44	39.72	4.496096	5.0	593039.0	0.113195	Y
4	IC 410-647492/43	59.58	6.516423	5.0	604795.0	0.109373	Y
5	IC 410-647492/42	79.44	8.335913	5.0	586700.0	0.104933	Y
6	IC 410-647492/41	99.3	9.258449	5.0	620409.0	0.093237	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-651088/9	DE3058.D
Level 2	IC 410-651088/8	DE3057.D
Level 3	IC 410-651088/7	DE3056.D
Level 4	IC 410-651088/6	DE3055.D
Level 5	IC 410-651088/5	DE3054.D
Level 6	ICIS 410-651088/2	DE3051.D
Level 7	IC 410-651088/4	DE3053.D
Level 8	IC 410-651088/3	DE3052.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.6221	+++++ 0.5979	0.6232 0.6020	0.5925	0.6075	Ave		0.6075				2.1		20.0			
N-Nitrosodimethylamine	0.8435 1.1236	0.9600 1.0359	0.9632 1.0536	0.9653	1.0499	Ave		0.9994				8.5		20.0			
Pyridine	1.3139 1.6927	1.7452 1.5876	1.5964 1.6134	1.5682	1.6638	Ave		1.5976				8.1		20.0			
N,N-dimethylformamide	+++++ 1.2530	+++++ 1.1520	1.1130 1.2553	1.0067	1.2296	Ave		1.1683				8.4		20.0			
2-Picoline	1.5454 1.7753	1.5916 1.6008	1.4587 1.6471	1.5817	1.7215	Ave		1.6153				6.2		20.0			
N-Nitrosomethylethylamine	+++++ 0.7832	+++++ 0.7164	0.9467 0.7301	0.7885	0.7708	Ave		0.7893				10.4		20.0			
Methyl methanesulfonate	0.8751 0.9700	0.9126 0.8695	0.8666 0.8641	0.8791	0.9657	Ave		0.9003				4.9		20.0			
N-Nitrosodiethylamine	0.7258 0.7732	0.6172 0.7027	0.6536 0.7212	0.6981	0.7621	Ave		0.7067				7.4		20.0			
Ethyl methanesulfonate	0.7271 0.8487	0.7084 0.7875	0.7543 0.7835	0.7744	0.8513	Ave		0.7794				6.6		20.0			
Benzaldehyde	1.5499 1.2178	1.5540 +++++	1.4242 +++++	1.3750	1.3734	Ave		1.4157			0.0100	8.9		20.0			
Phenol	1.7376 2.3796	1.7860 2.2349	2.0671 2.1910	2.1613	2.0720	Ave		2.0787			0.8000	10.5		20.0			
Aniline	2.2038 2.8461	2.3507 2.6470	2.4955 2.6276	2.5675	2.7438	Ave		2.5603				8.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bis(2-chloroethyl)ether	1.5270 1.7793	1.6489 1.6484	1.6072 1.6295	1.6395	1.7300	Ave		1.6512			0.7000	4.6		20.0			
2-Chlorophenol	1.0621 1.4889	1.2471 1.4002	1.2818 1.3838	1.3397	1.4363	Ave		1.3300			0.8000	10.1		20.0			
1,3-Dichlorobenzene	1.3765 1.5400	1.4381 1.4724	1.4496 1.4581	1.4373	1.5053	Ave		1.4597				3.3		20.0			
1,4-Dichlorobenzene	1.2984 1.5740	1.4688 1.4890	1.5041 1.4779	1.4735	1.5370	Ave		1.4778				5.5		20.0			
Benzyl alcohol	+++++ 1.1114	0.8136 1.0570	0.9125 1.0369	0.9698	1.0804	Ave		0.9974				10.6		20.0			
1,2-Dichlorobenzene	1.2762 1.5205	1.3020 1.4403	1.4043 1.4272	1.4569	1.4840	Ave		1.4139				6.0		20.0			
2-Methylphenol	1.1459 1.5452	1.1429 1.4614	1.3710 1.4424	1.3965	1.4969	Ave		1.3753			0.7000	11.1		20.0			
bis(1-chloroispropyl)ether	1.9130 2.2759	2.1477 2.1146	2.0062 2.0636	2.0716	2.1857	Ave		2.0973			0.0100	5.3		20.0			
N-Nitrosopyrrolidine	0.6171 0.8733	0.6989 0.8219	0.7248 0.8013	0.7934	0.8778	Ave		0.7761				11.6		20.0			
Acetophenone	2.0529 2.5226	2.1157 2.3305	2.3037 2.2639	2.3586	2.4744	Ave		2.3028			0.0100	7.0		20.0			
N-Nitrosodi-n-propylamine	1.1169 1.4685	1.1453 1.3700	1.2767 1.3423	1.3753	1.4401	Ave		1.3169			0.5000	9.8		20.0			
4-Methylphenol (and/or 3-Methylphenol)	1.2401 1.6190	1.3850 1.5318	1.5005 1.5086	1.6312	1.5943	Ave		1.5013			0.6000	8.8		20.0			
N-Nitrosomorpholine	0.7845 1.0888	0.9762 0.9967	0.9818 0.9771	1.0057	1.1055	Ave		0.9895				9.8		20.0			
2-Toluidine	2.0358 2.5699	2.1641 2.3760	2.3141 2.3332	2.3988	2.5860	Ave		2.3472				7.9		20.0			
Hexachloroethane	0.6229 0.6786	0.5948 0.6427	0.6328 0.6384	0.6334	0.6523	Ave		0.6370			0.3000	3.8		20.0			
Nitrobenzene	0.3933 0.4915	0.4114 0.4719	0.4258 0.4633	0.4392	0.4669	Ave		0.4454			0.2000	7.5		20.0			
N-Nitrosopiperidine	0.1649 0.2005	0.1519 0.1905	0.1796 0.1863	0.1760	0.1962	Ave		0.1807				9.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isophorone	0.7677 0.9409	0.7567 0.8987	0.8283 0.8715	0.8558	0.9029	Ave		0.8528			0.4000	7.7		20.0			
2-Nitrophenol	+++++ 0.1817	0.1313 0.1799	0.1370 0.1778	0.1489	0.1705	Ave		0.1610			0.1000	13.3		20.0			
2,4-Dimethylphenol	0.3053 0.4372	0.3286 0.4242	0.3797 0.4100	0.3820	0.4146	Ave		0.3852			0.2000	12.2		20.0			
o,o',o''-Triethylphosphorothioate	0.1789 0.1969	0.1938 0.1899	0.1831 0.1858	0.1834	0.1916	Ave		0.1879				3.3		20.0			
Bis(2-chloroethoxy)methane	0.4677 0.5888	0.4998 0.5665	0.5482 0.5346	0.5392	0.5572	Ave		0.5377			0.3000	7.1		20.0			
2,4-Dichlorophenol	0.2253 0.3201	0.2532 0.3144	0.2702 0.3046	0.2878	0.3064	Ave		0.2852			0.2000	11.7		20.0			
1,2,4-Trichlorobenzene	0.2884 0.3394	0.3326 0.3290	0.3148 0.3218	0.3157	0.3254	Ave		0.3209				4.8		20.0			
Naphthalene	1.0606 1.1127	1.0394 1.0816	1.0740 1.0400	1.0528	1.0784	Ave		1.0674			0.7000	2.3		20.0			
a-Terpineol	0.3183 0.3995	0.3268 0.3829	0.3398 0.3687	0.3472	0.3730	Ave		0.3570				8.0		20.0			
4-Chloroaniline	0.3402 0.4921	0.3792 0.4772	0.4445 0.4570	0.4627	0.4774	Ave		0.4413			0.0100	12.1		20.0			
2,6-Dichlorophenol	0.2587 0.3208	0.2491 0.3080	0.2962 0.2994	0.2887	0.3070	Ave		0.2910				8.6		20.0			
Hexachloropropene	0.1642 0.2019	0.1771 0.2079	0.1695 0.2104	0.1835	0.1979	Ave		0.1890				9.4		20.0			
Hexachlorobutadiene	0.1678 0.2025	0.1977 0.1990	0.1900 0.1937	0.1882	0.1955	Ave		0.1918			0.0100	5.6		20.0			
Quinoline	0.6668 0.7173	0.7202 0.6948	0.6781 0.6621	0.6782	0.7238	Ave		0.6927				3.6		20.0			
Caprolactam	0.0723 0.1207	0.1117 0.1234	0.1043 0.1153	0.1133	0.1201	Ave		0.1101			0.0100	14.9		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.4241	+++++ 0.4131	0.3358 0.3919	0.3303	0.4278	Ave		0.3871				11.3		20.0			
1,4-phenylenediamine	+++++ 0.3967	+++++ 0.4293	0.2739 0.3948	0.3519	0.4237	Ave		0.3784				15.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.2864 0.3879	0.3235 0.3751	0.3425 0.3586	0.3488	0.3781	Ave		0.3501			0.2000	9.5		20.0			
Safrole, Total	0.2541 0.2854	0.2609 0.2835	0.2554 0.2735	0.2639	0.2876	Ave		0.2705				5.1		20.0			
2-Methylnaphthalene	0.5355 0.6801	0.5762 0.6713	0.6574 0.6281	0.6293	0.6704	Ave		0.6310			0.4000	8.1		20.0			
1-Methylnaphthalene	0.6719 0.7110	0.6125 0.6947	0.6709 0.6583	0.6732	0.7027	Ave		0.6744				4.6		20.0			
Hexachlorocyclopentadiene	+++++ 0.4174	+++++ 0.4046	0.2908 0.4265	0.3253	0.3800	Ave		0.3741			0.0500	14.6		20.0			
1,2,4,5-Tetrachlorobenzene	0.6076 0.6522	0.5839 0.6220	0.5902 0.6267	0.5979	0.6265	Ave		0.6134			0.0100	3.7		20.0			
Isosafrole Peak 1	0.4608 0.5619	0.4466 0.5292	0.4669 0.5480	0.4774	0.5124	Ave		0.5004				8.7		20.0			
2,4,6-Trichlorophenol	0.2864 0.4265	0.3111 0.4054	0.3401 0.4014	0.3716	0.3927	Ave		0.3669			0.2000	13.5		20.0			
2,4,5-Trichlorophenol	0.3724 0.4707	0.3385 0.4475	0.3776 0.4372	0.4209	0.4335	Ave		0.4123			0.2000	10.9		20.0			
Isosafrole Peak 2	0.5165 0.5963	0.5202 0.5721	0.4892 0.5754	0.5357	0.5783	Ave		0.5480				6.9		20.0			
1,1'-Biphenyl	1.4841 1.6008	1.3856 1.5069	1.5284 1.4904	1.5143	1.5425	Ave		1.5066			0.0100	4.1		20.0			
2-Chloronaphthalene	1.2132 1.2538	0.9808 1.1890	1.2007 1.0802	1.0779	1.2437	Ave		1.1549			0.8000	8.4		20.0			
1-Chloronaphthalene	0.8910 1.0701	1.1384 1.0193	1.0092 1.1053	1.1458	1.0174	Ave		1.0495				8.0		20.0			
Diphenyl ether	0.9000 0.9244	0.8252 0.8864	0.8597 0.8736	0.8787	0.8914	Ave		0.8799				3.3		20.0			
2-Nitroaniline	+++++ 0.3850	+++++ 0.3835	0.2904 0.3761	0.3171	0.3620	Ave		0.3523			0.0100	11.2		20.0			
1,4-Naphthoquinone	+++++ 0.4736	+++++ 0.4520	0.3615 0.4470	0.4115	0.4649	Ave		0.4351				9.6		20.0			
1,4-Dinitrobenzene	+++++ 0.1859	+++++ 0.1823	0.1194 0.1832	0.1462	0.1770	Ave		0.1657				16.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dimethyl phthalate	1.1982 1.4267	1.2925 1.3503	1.3848 1.3197	1.3715	1.3743	Ave		1.3398			0.0100	5.2		20.0			
1,3-Dinitrobenzene	+++++ 0.2286	+++++ 0.2225	0.1520 0.2197	0.1820	0.2191	Ave		0.2040				14.9		20.0			
2,6-Dinitrotoluene	0.2370 0.3104	0.2098 0.3037	0.2220 0.2911	0.2749	0.2974	Ave		0.2683			0.2000	14.8		20.0			
Acenaphthylene	1.5900 1.9938	1.6824 1.9052	1.7791 1.8491	1.8663	1.9054	Ave		1.8214			0.9000	7.2		20.0			
3-Nitroaniline	+++++ 0.3472	+++++ 0.3461	0.2642 0.3356	0.3145	0.3298	Ave		0.3229			0.0100	9.7		20.0			
Acenaphthene	1.1321 1.2727	1.1782 1.2401	1.2134 1.2030	1.2271	1.2468	Ave		1.2142			0.9000	3.6		20.0			
2,4-Dinitrophenol	+++++ 0.1814	+++++ 0.1870	0.1069 0.1864	0.1410	0.1662	Ave		0.1615			0.0100	19.7		20.0			
4-Nitrophenol	+++++ 0.2254	0.1430 0.2252	0.1783 0.2152	0.2040	0.2125	Ave		0.2005			0.0100	15.0		20.0			
Pentachlorobenzene	0.5473 0.5317	0.5689 0.5130	0.5368 0.5052	0.5196	0.5304	Ave		0.5316				3.8		20.0			
2,4-Dinitrotoluene	+++++ 0.4256	0.2639 0.4154	0.3455 0.4027	0.3895	0.4070	Ave		0.3785			0.2000	15.0		20.0			
Dibenzofuran	1.6964 1.7883	1.7344 1.7116	1.7763 1.6629	1.7802	1.7596	Ave		1.7387			0.8000	2.6		20.0			
1-Naphthylamine	1.0042 1.2442	0.9263 1.2099	1.0620 1.1675	1.1620	1.2144	Ave		1.1238				10.1		20.0			
2,3,4,6-Tetrachlorophenol	+++++ 0.3834	0.2899 0.3750	0.3196 0.3607	0.3545	0.3675	Ave		0.3501			0.0100	9.6		20.0			
2-Naphthylamine	1.0576 1.2912	1.1276 1.2385	1.1519 1.1928	1.2574	1.2892	Ave		1.2008				7.0		20.0			
Diethyl phthalate	1.1938 1.4545	1.3484 1.3989	1.3790 1.3420	1.4321	1.4131	Ave		1.3702			0.0100	5.9		20.0			
Thionazin	0.2298 0.2550	0.2632 0.2509	0.2136 0.2406	0.2434	0.2475	Ave		0.2430				6.4		20.0			
Fluorene	1.3937 1.4730	1.2786 1.4123	1.3951 1.3630	1.4745	1.4279	Ave		1.4022			0.9000	4.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chlorophenyl-phenyl ether	0.6195 0.7197	0.6602 0.6944	0.7159 0.6677	0.7091	0.7007	Ave		0.6859			0.4000	5.0		20.0			
5-Nitro-o-toluidine	+++++ 0.3835	0.2502 0.3695	0.3166 0.3573	0.3453	0.3770	Ave		0.3428				13.6		20.0			
4-Nitroaniline	+++++ 0.3508	0.2152 0.3382	0.3079 0.3266	0.3524	0.3340	Ave		0.3179			0.0100	15.0		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1409	+++++ 0.1351	0.0842 0.1347	0.1010	0.1315	Ave		0.1212			0.0100	19.0		20.0			
N-Nitrosodiphenylamine	0.4936 0.6867	0.5359 0.6210	0.5673 0.6115	0.5927	0.6666	Ave		0.5969			0.0100	10.8		20.0			
1,2-Diphenylhydrazine	0.7903 1.0070	0.8059 0.9256	0.8440 0.8990	0.8498	0.9692	Ave		0.8863				8.7		20.0			
Sulfotepp	0.1640 0.1566	0.1318 0.1450	0.1277 0.1434	0.1348	0.1538	Ave		0.1446				8.9		20.0			
1,3,5-Trinitrobenzene	+++++ 0.0753	+++++ 0.0715	+++++ 0.0717	0.0551	0.0700	Ave		0.0687				11.4		20.0			
cis-Diallate	+++++ 0.3979	0.4609 0.3728	0.3496 0.3671	0.3481	0.3930	Ave		0.3842				10.1		20.0			
Phorate	0.4057 0.6394	0.4417 0.5802	0.4603 0.5789	0.5039	0.6111	Ave		0.5276				16.4		20.0			
Phenacetin	+++++ 0.4052	0.2867 0.3734	0.2991 0.3641	0.3413	0.3928	Ave		0.3518				12.9		20.0			
4-Bromophenyl-phenylether	0.1947 0.2341	0.1968 0.2124	0.2054 0.2115	0.1971	0.2263	Ave		0.2098			0.1000	6.9		20.0			
trans-Diallate	+++++ 0.3927	+++++ 0.3680	0.3335 0.3642	0.3640	0.3937	Ave		0.3694				6.0		20.0			
Hexachlorobenzene	0.2173 0.2450	0.2169 0.2272	0.2236 0.2209	0.2213	0.2418	Ave		0.2268			0.1000	4.8		20.0			
Dimethoate	+++++ 0.3653	0.2649 0.3414	0.2853 0.3266	0.3157	0.3606	Ave		0.3228				11.6		20.0			
Atrazine	0.1508 0.2171	0.1549 0.2055	0.1940 0.1915	0.2010	0.2201	Ave		0.1919			0.0100	13.6		20.0			
Pentachlorophenol	+++++ 0.1571	0.0865 0.1498	0.1018 0.1460	0.1249	0.1521	Lin2	-0.0888	0.1499			0.0500				0.9940		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Aminobiphenyl	0.7111 0.8556	0.7378 0.7901	0.7201 0.7580	0.7537	0.8646	Ave		0.7739				7.6		20.0			
Pentachloronitrobenzene	0.0818 0.1029	0.0858 0.0956	0.0761 0.0959	0.0855	0.1045	Ave		0.0910				11.2		20.0			
Pronamide	+++++ 0.3365	0.2372 0.3097	0.2591 0.3026	0.2848	0.3285	Ave		0.2941				12.3		20.0			
Dinoseb	+++++ 0.1782	+++++ 0.1756	0.0996 0.1775	0.1250	0.1620	Lin2	-0.1055	0.1768							0.9930		0.9900
Disulfoton	0.3756 0.5807	0.4181 0.5381	0.4697 0.5249	0.4960	0.5691	Ave		0.4965				14.5		20.0			
Phenanthrene	1.1265 1.1424	1.0423 1.0597	1.0697 1.0081	1.0470	1.1453	Ave		1.0801			0.7000	4.8		20.0			
Anthracene	0.9645 1.1777	0.9354 1.0877	1.0320 1.0301	1.0579	1.1704	Ave		1.0570			0.7000	8.2		20.0			
Carbazole	0.8333 1.0741	0.8752 0.9923	0.9407 0.9454	0.9707	1.0494	Ave		0.9601			0.0100	8.4		20.0			
Methyl parathion	+++++ 0.2716	+++++ 0.2573	0.1642 0.2476	0.2071	0.2584	Ave		0.2344				17.4		20.0			
Di-n-butyl phthalate	0.7941 1.1959	0.8750 1.1126	0.9336 1.0731	1.0380	1.1485	Ave		1.0213			0.0100	13.8		20.0			
Parathion	+++++ 0.1594	+++++ 0.1566	0.0983 0.1550	0.1226	0.1534	Ave		0.1409				17.7		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.0789	+++++ 0.0769	0.0327 0.0803	0.0457	0.0639	Lin1	-0.0811	0.0815							0.9950		0.9900
Octachlorostyrene	0.0755 0.0930	0.0806 0.0875	0.0895 0.0844	0.0790	0.0906	Ave		0.0850				7.3		20.0			
Isodrin	+++++ 0.1266	0.1366 0.1199	0.1183 0.1172	0.1220	0.1262	Ave		0.1238				5.4		20.0			
Fluoranthene	1.0411 1.2223	1.0757 1.1477	1.1014 1.0813	1.1538	1.2232	Ave		1.1308			0.6000	6.0		20.0			
Benzidine	+++++ 0.7900	+++++ 0.7123	+++++ 0.6576	0.7098	0.7872	Ave		0.7314				7.7		20.0			
Pyrene	1.3839 1.2531	1.2220 1.2201	1.2428 1.1808	1.2137	1.2401	Ave		1.2446			0.6000	4.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
p-Dimethylamino azobenzene	+++++ 0.2047	+++++ 0.1998	0.1442 0.1982	0.1740	0.2017	Ave		0.1871				12.7		20.0			
Chlorobenzilate	0.2242 0.3366	0.2655 0.3284	0.2698 0.3230	0.2989	0.3219	Ave		0.2960				13.3		20.0			
3,3'-Dimethylbenzidine	+++++ 0.6191	0.4234 0.5470	0.4833 0.5263	0.5576	0.6012	Ave		0.5368				12.6		20.0			
Butylbenzylphthalate	+++++ 0.4949	0.3431 0.4855	0.3776 0.4751	0.4344	0.4728	Ave		0.4405			0.0100	13.3		20.0			
2-Acetylaminofluorene	+++++ 0.3820	+++++ 0.3831	+++++ 0.3874	0.2872	0.3538	Ave		0.3587				11.7		20.0			
3,3'-Dichlorobenzidine	+++++ 0.4376	+++++ 0.4338	0.3424 0.4192	0.3999	0.4156	Ave		0.4081			0.0100	8.6		20.0			
4,4'-Methylene bis(2-chloroaniline)	+++++ 0.2088	0.1252 0.2048	0.1763 0.1953	0.1907	0.2097	Ave		0.1873				15.9		20.0			
Benzo[a]anthracene	0.8415 1.0918	0.8475 1.0536	0.9758 1.0168	1.0332	1.0593	Ave		0.9899			0.8000	9.7		20.0			
Chrysene	0.8350 1.0298	0.8953 1.0069	0.9932 0.9612	1.0158	1.0103	Ave		0.9684			0.7000	7.1		20.0			
Bis(2-ethylhexyl) phthalate	+++++ 0.6914	+++++ 0.6801	0.4757 0.6765	0.5907	0.6338	Ave		0.6247			0.0100	13.1		20.0			
6-Methylchrysene	0.5673 0.6794	0.5886 0.6738	0.6099 0.6630	0.6411	0.6565	Ave		0.6349				6.6		20.0			
Di-n-octyl phthalate	+++++ 1.3715	+++++ 1.3216	0.7906 1.3345	0.9702	1.1873	Lin2	-0.735	1.3296			0.0100				0.9930		0.9900
Benzo[b]fluoranthene	1.0771 1.3221	1.0844 1.2845	1.1541 1.2538	1.1953	1.2376	Ave		1.2011			0.7000	7.5		20.0			
7,12-Dimethylbenz(a)anthracene	+++++ 0.5401	+++++ 0.5400	0.3864 0.5405	0.4534	0.4994	Ave		0.4933				12.7		20.0			
Benzo[k]fluoranthene	1.0410 1.4012	1.1809 1.3632	1.2181 1.3254	1.2723	1.3672	Ave		1.2712			0.7000	9.5		20.0			
Benzo[a]pyrene	0.9545 1.2589	0.9642 1.2443	1.0063 1.2246	1.1169	1.1766	Ave		1.1183			0.7000	11.4		20.0			
3-Methylcholanthrene	0.4931 0.5840	0.4730 0.5708	0.4273 0.5963	0.4796	0.5397	Ave		0.5205				11.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dibenz[a,h]acridine	+++++ 0.8901	0.6025 0.8545	0.6638 0.8825	0.7304	0.8229	Ave		0.7781				14.6		20.0			
Dibenz[a,j]acridine	+++++ 1.0496	0.7078 1.0223	0.8122 1.0324	0.8739	0.9597	Ave		0.9226				14.0		20.0			
Indeno[1,2,3-cd]pyrene	0.8382 1.1950	0.8607 1.1607	0.9751 1.1536	0.9762	1.0490	Ave		1.0261			0.5000	13.3		20.0			
Dibenz(a,h)anthracene	0.8088 1.1725	0.8935 1.1454	0.9936 1.1712	1.0098	1.0766	Ave		1.0339			0.4000	12.9		20.0			
Benzo[g,h,i]perylene	0.8718 1.1858	0.9120 1.1464	1.0307 1.1584	1.0385	1.0788	Ave		1.0528			0.5000	10.9		20.0			
2-Fluorophenol (Surr)	1.0498 1.4968	1.2541 1.4236	1.3142 1.4207	1.3724	1.4569	Ave		1.3486				10.7		20.0			
Phenol-d5 (Surr)	1.5996 2.2603	1.7307 2.1071	1.8527 2.0530	1.9935	2.1717	Ave		1.9711				11.5		20.0			
Nitrobenzene-d5 (Surr)	0.4086 0.5125	0.3945 0.4984	0.4556 0.4804	0.4650	0.4876	Ave		0.4628				9.1		20.0			
2-Fluorobiphenyl (Surr)	1.3230 1.4860	1.3046 1.4008	1.4016 1.3440	1.4146	1.4556	Ave		1.3913				4.6		20.0			
2,4,6-Tribromophenol (Surr)	0.1321 0.2217	0.1816 0.2153	0.2008 0.2082	0.2091	0.2127	Ave		0.1977				14.7		20.0			
p-Terphenyl-d14 (Surr)	0.7283 0.8173	0.7449 0.7866	0.8121 0.7480	0.7993	0.8113	Ave		0.7810				4.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-225004-1 | Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 | GC Column: DB-5MS 30m ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 | Calibration End Date: 05/31/2025 00:59 | Calibration ID: 73193

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-651088/9	DE3058.D
Level 2	IC 410-651088/8	DE3057.D
Level 3	IC 410-651088/7	DE3056.D
Level 4	IC 410-651088/6	DE3055.D
Level 5	IC 410-651088/5	DE3054.D
Level 6	ICIS 410-651088/2	DE3051.D
Level 7	IC 410-651088/4	DE3053.D
Level 8	IC 410-651088/3	DE3052.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Ave	+++++ 316938	+++++ 354175	19412 583200	52854	151376	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd4	Ave	2616 572440	6380 613628	30003 1020730	86109	261614	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd4	Ave	8150 1724684	23197 1880849	99451 3126105	279792	829153	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd4	Ave	+++++ 638337	+++++ 682387	34670 1216086	89809	306391	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd4	Ave	4793 904405	10578 948263	45438 1595724	141103	428959	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd4	Ave	+++++ 398981	+++++ 424354	29489 707277	70342	192070	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd4	Ave	2714 494143	6065 515084	26995 837157	78421	240631	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd4	Ave	2251 393906	4102 416275	20360 698724	62273	189895	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd4	Ave	2255 432380	4708 466489	23495 759087	69085	212116	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd4	Ave	4807 620397	10328 +++++	44362 +++++	122662	342214	0.125 12.5	0.250 +++++	1.25 +++++	3.75	7.50
Phenol	DCBd4	Ave	5389 1212294	11870 1323917	64388 2122636	192810	516294	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd4	Ave	6835 1449943	15623 1568036	77733 2545616	229043	683679	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd4	Ave	4736 906450	10959 976457	50063 1578679	146257	431059	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd4	Ave	3294 758529	8288 829424	39928 1340588	119510	357888	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd4	Ave	4269	9558	45152	128223	375089	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			784558	872179	1412556			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd4	Ave	4027 801897	9762 882050	46850 1431779	131445	382987	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzyl alcohol	DCBd4	Ave	+++++ 566220	5407 626137	28422 1004505	86515	269213	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd4	Ave	3958 774616	8653 853211	43742 1382648	129967	369772	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd4	Ave	3554 787208	7596 865671	42706 1397387	124580	372999	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
bis(1-chloroispropyl)ether	DCBd4	Ave	5933 1159476	14274 1252607	62491 1999197	184805	544621	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd4	Ave	1914 444895	4645 486886	22577 776266	70782	218716	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd4	Ave	6367 1285146	14061 1380503	71756 2193247	210405	616568	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd4	Ave	3464 748138	7612 811566	39769 1300410	122685	358842	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Methylphenol (and/or 3-Methylphenol)	DCBd4	Ave	3846 824795	9205 907398	46738 1461533	145516	397269	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd4	Ave	2433 554672	6488 590423	30581 946595	89716	275458	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Toluidine	DCBd4	Ave	6314 1309233	14383 1407492	72082 2260365	213990	644369	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd4	Ave	1932 345722	3953 380733	19712 618448	56501	162524	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	4764 1001995	10579 1086170	53005 1745856	158885	479238	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	1997 408824	3907 438559	22359 702010	63672	201363	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	9300 1918311	19457 2068659	103110 3284428	309599	926789	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	+++++ 370485	3375 414012	17054 670005	53875	175048	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	3698 891430	8449 976457	47266 1545065	138192	425540	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	2167 401336	4984 437141	22794 700241	66336	196700	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	5666 1200498	12851 1303990	68239 2014512	195054	571978	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-225004-1 | Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 | GC Column: DB-5MS 30m ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 | Calibration End Date: 05/31/2025 00:59 | Calibration ID: 73193

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4-Dichlorophenol	NPT	Ave	2729 652537	6510 723594	33640 1147984	104110	314561	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4-Trichlorobenzene	NPT	Ave	3494 691982	8551 757362	39193 1212872	114222	334036	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	12848 2268480	26727 2489507	133701 3919204	380871	1106969	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	3856 814408	8404 881351	42305 1389302	125613	382913	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	4121 1003365	9750 1098432	55336 1722096	167377	490061	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	3134 654090	6404 708836	36872 1128211	104452	315178	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	1989 411641	4553 478587	21102 792852	66372	203176	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	2033 412861	5083 457995	23651 729949	68083	200706	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	8078 1462510	18519 1599187	84416 2495208	245346	742931	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	876 245990	2873 284050	12979 434649	40991	123246	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 864560	+++++ 950752	41797 1477058	119493	439109	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Ave	+++++ 808781	+++++ 988196	34102 1487880	127297	434886	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	3469 790897	8319 863451	42640 1351284	126192	388120	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	3078 581819	6708 652536	31799 1030670	95481	295236	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	6487 1386597	14816 1545116	81830 2366846	227666	688115	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	8139 1449490	15749 1599067	83517 2480901	243541	721362	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	+++++ 495260	+++++ 555837	22450 910503	71444	235763	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	4376 773846	9291 854467	45566 1337684	131336	388719	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	531 106676	1137 116323	5768 187163	16776	50864	0.0200 2.00	0.0400 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	2063 506098	4950 556901	26255 856775	81613	243640	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	2682 558565	5386 614784	29151 933264	92440	268990	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	3125 594288	6954 660167	31725 1031701	98831	301403	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	10689 1899472	22049 2070269	118000 3181441	332614	957058	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	8738 1487653	15607 1633542	92703 2305697	236754	771663	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	6417 1269694	18116 1400314	77912 2359312	251671	631219	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	6482 1096797	13132 1217712	66370 1864836	193016	553073	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	+++++ 456774	+++++ 526887	22417 802770	69647	224611	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	+++++ 561971	+++++ 620921	27908 954053	90381	288438	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 220606	+++++ 250448	9215 390964	32121	109843	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	8630 1692878	20568 1855130	106912 2816903	301252	852661	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	+++++ 271287	+++++ 305705	11736 469015	39970	135951	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	1707 368255	3338 417171	17138 621291	60384	184534	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	11452 2365697	26773 2617383	137352 3947074	409928	1182184	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 411989	+++++ 475450	20397 716389	69080	204649	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	8154 1510105	18749 1703708	93681 2567892	269535	773557	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	+++++ 430555	+++++ 513878	33028 795967	92944	240662	+++++ 25.0	+++++ 40.0	5.00 60.0	11.3	17.5
4-Nitrophenol	ANT	Ave	+++++ 534801	13651 618805	41299 918636	89613	263665	+++++ 25.0	1.50 40.0	3.75 60.0	7.50	15.0
Pentachlorobenzene	ANT	Ave	3942 630855	9053 704831	41442 1078358	114129	329087	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	+++++ 505030	4199 570626	26677 859539	85551	252504	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	12218 2121898	27599 2351377	137142 3549678	391025	1091728	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1-Naphthylamine	ANT	Ave	7233 1476333	14740 1662141	81995 2492225	255236	753485	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	+++++ 454980	4613 515239	24673 769920	77871	228022	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	7617 1532033	17943 1701477	88930 2546190	276192	799849	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	8598 1725890	21458 1921805	106462 2864631	314567	876766	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	1655 302601	4188 344663	16492 513510	53472	153554	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	10038 1747773	20346 1940300	107709 2909324	323870	885916	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	4462 853952	10506 953987	55270 1425157	155762	434753	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	+++++ 455095	3982 507580	24445 762632	75852	233888	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 416205	3424 464646	23774 697230	77400	207222	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 605055	+++++ 709145	39532 1077202	91285	295735	+++++ 25.0	+++++ 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	6188 1253246	14635 1384950	75465 2077995	227650	637339	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	11656 2161986	25890 2428584	132080 3594128	383979	1090229	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	2419 336152	4235 380567	19983 573166	60908	173017	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	+++++ 161750	+++++ 187657	+++++ 286736	24907	78704	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
cis-Diallate	PHN	Ave	+++++ 632202	10957 723861	40490 1086139	116384	327171	+++++ 9.25	0.185 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Ave	5983 1372732	14189 1522371	72031 2314298	227689	687368	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	+++++ 869901	9210 979660	46809 1455642	154227	441854	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	2872 502715	6322 557222	32147 845409	89071	254520	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 219211	+++++ 251070	13570 378620	42761	115134	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	3205 525941	6970 596231	34988 883027	99986	272037	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dimethoate	PHN	Ave	+++++ 784225	8511 895860	44656 1305829	142631	405636	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	2224 466149	4977 539143	30356 765706	90845	247573	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Lin2	+++++ 674717	13899 786258	31868 1167644	112841	342103	+++++ 25.0	1.25 40.0	2.50 60.0	7.50	15.0
4-Aminobiphenyl	PHN	Ave	10488 1837061	23705 2073199	112688 3030401	340546	972582	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	1206 220972	2758 250805	11917 383313	38644	117533	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	+++++ 722525	7620 812631	40551 1209995	128668	369513	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Lin2	+++++ 382611	+++++ 460713	15580 709675	56488	182209	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	5540 1246781	13433 1411958	73512 2098732	224121	640144	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	16614 2452670	33485 2780600	167410 4030245	473092	1288335	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	14225 2528531	30052 2853994	161500 4118314	478026	1316580	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	12289 2306053	28119 2603635	147224 3779573	438612	1180382	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	+++++ 583171	+++++ 675208	25695 990063	93579	290708	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	11711 2567643	28110 2919241	146108 4290072	469054	1291918	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	+++++ 342194	+++++ 410982	15381 619574	55415	172560	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Lin1	+++++ 169347	+++++ 201670	5121 321110	20662	71834	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	1114 199703	2591 229594	14007 337426	35692	101910	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	+++++ 271768	4387 314511	18517 468387	55133	141932	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	15355 2624346	34560 3011358	172370 4322968	521341	1375935	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 5219420	+++++ 5494246	+++++ 7529929	990847	2735073	+++++ 37.5	+++++ 60.0	+++++ 90.0	11.3	22.5
Pyrene	PYR10	Ave	19710 2759784	39730 3137109	198070 4507166	564730	1436206	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
p-Dimethylamino azobenzene	PYR10	Ave	+++++ 450806	+++++ 513833	22988 756335	80941	233572	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	3193 741344	8633 844284	42994 1232785	139099	372856	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	+++++ 1363518	13764 1406549	77027 2008994	259438	696225	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Butylbenzylphthalate	PYR10	Ave	+++++ 1090066	11156 1248217	60177 1813295	202140	547588	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 841229	+++++ 984921	+++++ 1478708	133654	409790	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	+++++ 963740	+++++ 1115524	54577 1599985	186054	481267	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	+++++ 459956	4071 526663	28090 745452	88725	242855	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	11985 2404527	27555 2709114	155517 3880993	480740	1226850	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	11892 2267982	29109 2588938	158298 3668739	472650	1170003	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	+++++ 1522637	+++++ 1748620	75818 2581982	274837	734035	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	8079 1496286	19136 1732398	97207 2530800	298314	760271	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Lin2	+++++ 2310875	+++++ 2624940	99310 3958616	364323	1069162	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	11274 2227526	26580 2551133	144981 3719368	448857	1114456	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	+++++ 910047	+++++ 1072478	48533 1603386	170239	449709	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	10896 2360813	28947 2707608	153019 3931812	477765	1231170	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	9991 2121112	23635 2471469	126415 3632834	419415	1059549	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	5161 983887	11593 1133752	53681 1768900	180093	485988	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	+++++ 1499629	14769 1697215	83381 2617931	274271	741011	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	+++++ 1768469	17349 2030408	102021 3062713	328161	864242	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	8774 2013419	21097 2305243	122495 3422000	366553	944593	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-225004-1 | Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 | GC Column: DB-5MS 30m | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 | Calibration End Date: 05/31/2025 00:59 | Calibration ID: 73193

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dibenz(a,h)anthracene	PRY	Ave	8466 1975504	21901 2274993	124808 3474442	379171	969492	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	9125 1997925	22354 2276984	129479 3436281	389960	971465	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd4	Ave	6512 1525138	16670 1686643	81872 2752782	244855	726031	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd4	Ave	9922 2303009	23005 2496318	115416 3977835	355670	1082240	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	9900 2089835	20287 2294461	113436 3620897	336488	1001053	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	19057 3526544	41519 3848907	216422 5737842	621422	1806226	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	1903 526016	5781 591493	31005 888669	91851	263877	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	20746 3599826	48433 4044959	258860 5709964	743785	1879182	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 651088

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/30/2025 22:18 Calibration End Date: 05/31/2025 00:59 Calibration ID: 73193

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-651088/9	DE3058.D
Level 2	IC 410-651088/8	DE3057.D
Level 3	IC 410-651088/7	DE3056.D
Level 4	IC 410-651088/6	DE3055.D
Level 5	IC 410-651088/5	DE3054.D
Level 6	ICIS 410-651088/2	DE3051.D
Level 7	IC 410-651088/4	DE3053.D
Level 8	IC 410-651088/3	DE3052.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Pentachlorophenol	+++++ 1.4	4.9 -1.6	-8.5	-8.8	5.4	7.2	30	50 30	30	30	30	30
Dinoseb	+++++ 2.3	+++++ 2.4	3.8	-13.5	-0.5	5.5	30	30	50	30	30	30
4-Nitroquinoline-1-oxide	+++++ -0.7	+++++ 1.9	19.7	-17.4	-8.4	4.8	30	30	50	30	30	30
Di-n-octyl phthalate	+++++ 2.2	+++++ 2.2	3.7	-12.3	-3.3	7.6	30	30	50	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3051.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 30-May-2025 22:18:56 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub59

Method: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-Jun-2025 12:44:55 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: N5QU Date: 31-May-2025 01:35:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.603	1.603	0.000	97	316938	12.5	12.8	
3 N-Nitrosodimethylamine	74	1.818	1.818	0.000	95	572440	12.5	14.1	
4 Pyridine	79	1.853	1.853	0.000	98	1724684	25.0	26.5	
6 Dimethylformamide	73	2.127	2.127	0.000	94	638337	12.5	13.4	
7 2-Picoline	93	2.424	2.424	0.000	91	904405	12.5	13.7	
8 N-Nitrosomethylethylamine	88	2.512	2.512	0.000	94	398981	12.5	12.4	
9 Methyl methanesulfonate	80	2.774	2.774	0.000	85	494143	12.5	13.5	
$ 10 2-Fluorophenol	112	2.932	2.932	0.000	93	1525138	25.0	27.7	
11 N-Nitrosodiethylamine	102	3.141	3.141	0.000	97	393906	12.5	13.7	
12 Ethyl methanesulfonate	109	3.439	3.439	0.000	98	432380	12.5	13.6	
15 Benzaldehyde	77	3.765	3.765	0.000	95	620397	12.5	10.8	
$ 16 Phenol-d5	99	3.829	3.829	0.000	96	2303009	25.0	28.7	
17 Phenol	94	3.847	3.847	0.000	92	1212294	12.5	14.3	
18 Aniline	93	3.870	3.870	0.000	96	1449943	12.5	13.9	
19 Bis(2-chloroethyl)ether	93	3.934	3.934	0.000	96	906450	12.5	13.5	
20 2-Chlorophenol	128	3.987	3.987	0.000	94	758529	12.5	14.0	
21 1,3-Dichlorobenzene	146	4.132	4.132	0.000	95	784558	12.5	13.2	
* 22 1,4-Dichlorobenzene-d4	152	4.191	4.191	0.000	96	203780	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.202	4.202	0.000	91	801897	12.5	13.3	
25 Benzyl alcohol	108	4.319	4.319	0.000	90	566220	12.5	13.9	
26 1,2-Dichlorobenzene	146	4.348	4.348	0.000	94	774616	12.5	13.4	
28 2-Methylphenol	108	4.435	4.435	0.000	94	787208	12.5	14.0	
29 2,2'-oxybis[1-chloropropane]	45	4.453	4.453	0.000	92	1159476	12.5	13.6	
31 N-Nitrosopyrrolidine	100	4.558	4.558	0.000	92	444895	12.5	14.1	
33 N-Nitrosodi-n-propylamine	70	4.581	4.581	0.000	85	748138	12.5	13.9	
34 Acetophenone	105	4.575	4.575	0.000	97	1285146	12.5	13.7	
32 4-Methylphenol	108	4.581	4.581	0.000	95	824795	12.5	13.5	
35 N-Nitrosomorpholine	56	4.599	4.599	0.000	91	554672	12.5	13.8	
36 2-Toluidine	106	4.610	4.610	0.000	94	1309233	12.5	13.7	
38 Hexachloroethane	117	4.674	4.674	0.000	96	345722	12.5	13.3	
$ 39 Nitrobenzene-d5	82	4.721	4.721	0.000	89	2089835	25.0	27.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.738	4.738	0.000	87	1001995	12.5	13.8	
42 N-Nitrosopiperidine	114	4.884	4.884	0.000	83	408824	12.5	13.9	
43 Isophorone	82	4.972	4.972	0.000	96	1918311	12.5	13.8	
44 2-Nitrophenol	139	5.042	5.042	0.000	91	370485	12.5	14.1	
45 2,4-Dimethylphenol	107	5.094	5.094	0.000	97	891430	12.5	14.2	
46 o,o',o''-Triethylphosphorothioat	198	5.158	5.158	0.000	93	401336	12.5	13.1	
47 Bis(2-chloroethoxy)methane	93	5.187	5.187	0.000	98	1200498	12.5	13.7	
48 2,4-Dichlorophenol	162	5.280	5.280	0.000	97	652537	12.5	14.0	
49 1,2,4-Trichlorobenzene	180	5.356	5.356	0.000	93	691982	12.5	13.2	
* 50 Naphthalene-d8	136	5.409	5.409	0.000	100	815515	5.00	5.00	
51 Naphthalene	128	5.426	5.426	0.000	98	2268480	12.5	13.0	
52 Alpha-Terpineol	59	5.444	5.444	0.000	94	814408	12.5	14.0	
53 4-Chloroaniline	127	5.484	5.484	0.000	93	1003365	12.5	13.9	
54 2,6-Dichlorophenol	162	5.490	5.490	0.000	94	654090	12.5	13.8	
55 Hexachloropropene	213	5.514	5.514	0.000	89	411641	12.5	13.4	
56 Hexachlorobutadiene	225	5.549	5.549	0.000	96	412861	12.5	13.2	
60 Quinoline	129	5.747	5.747	0.000	95	1462510	12.5	12.9	
61 Caprolactam	113	5.805	5.805	0.000	75	245990	12.5	13.7	
62 N-Nitrosodi-n-butylamine	84	5.811	5.811	0.000	90	864560	12.5	13.7	
63 p-Phenylene diamine	108	5.823	5.823	0.000	95	808781	12.5	13.1	
64 4-Chloro-3-methylphenol	107	5.962	5.962	0.000	93	790897	12.5	13.8	
65 Safrole, Total	162	6.015	6.015	0.000	86	581819	12.5	13.2	
66 2-Methylnaphthalene	142	6.091	6.091	0.000	91	1386597	12.5	13.5	
67 1-Methylnaphthalene	142	6.184	6.184	0.000	92	1449490	12.5	13.2	
68 Hexachlorocyclopentadiene	237	6.242	6.242	0.000	94	495260	12.5	13.9	
69 1,2,4,5-Tetrachlorobenzene	216	6.248	6.248	0.000	98	773846	12.5	13.3	
70 Isosafrole Peak 1	162	6.289	6.289	0.000	87	106676	2.00	2.25	
71 2,4,6-Trichlorophenol	196	6.365	6.365	0.000	94	506098	12.5	14.5	
72 2,4,5-Trichlorophenol	196	6.400	6.400	0.000	93	558565	12.5	14.3	
$ 73 2-Fluorobiphenyl (Surr)	172	6.446	6.446	0.000	99	3526544	25.0	26.7	
74 Isosafrole Peak 2	162	6.504	6.504	0.000	89	594288	10.5	11.4	
75 1,1'-Biphenyl	154	6.539	6.539	0.000	96	1899472	12.5	13.3	
76 2-Chloronaphthalene	162	6.551	6.551	0.000	95	1487653	12.5	13.6	
77 1-Chloronaphthalene	162	6.574	6.574	0.000	98	1269694	12.5	12.7	
78 Phenyl ether	170	6.639	6.639	0.000	87	1096797	12.5	13.1	
79 2-Nitroaniline	138	6.650	6.650	0.000	77	456774	12.5	13.7	
81 1,4-Naphthoquinone	158	6.720	6.720	0.000	84	561971	12.5	13.6	
84 1,4-Dinitrobenzene	168	6.790	6.790	0.000	87	220606	12.5	14.0	
85 Dimethyl phthalate	163	6.837	6.837	0.000	98	1692878	12.5	13.3	
86 1,3-Dinitrobenzene	168	6.854	6.854	0.000	83	271287	12.5	14.0	
87 2,6-Dinitrotoluene	165	6.889	6.889	0.000	91	368255	12.5	14.5	
88 Acenaphthylene	152	6.942	6.942	0.000	99	2365697	12.5	13.7	
89 3-Nitroaniline	138	7.041	7.041	0.000	88	411989	12.5	13.4	
* 90 Acenaphthene-d10	164	7.076	7.076	0.000	96	474622	5.00	5.00	
91 Acenaphthene	153	7.105	7.105	0.000	97	1510105	12.5	13.1	
92 2,4-Dinitrophenol	184	7.146	7.146	0.000	84	430555	25.0	28.1	
93 4-Nitrophenol	109	7.221	7.221	0.000	84	534801	25.0	28.1	
94 Pentachlorobenzene	250	7.233	7.233	0.000	98	630855	12.5	12.5	
95 2,4-Dinitrotoluene	165	7.268	7.268	0.000	84	505030	12.5	14.1	
96 Dibenzofuran	168	7.274	7.274	0.000	97	2121898	12.5	12.9	
97 1-Naphthylamine	143	7.350	7.350	0.000	99	1476333	12.5	13.8	
98 2,3,4,6-Tetrachlorophenol	232	7.390	7.390	0.000	74	454980	12.5	13.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 2-Naphthylamine	143	7.425	7.425	0.000	95	1532033	12.5	13.4	
100 Diethyl phthalate	149	7.507	7.507	0.000	97	1725890	12.5	13.3	
101 Thionazin	107	7.583	7.583	0.000	78	302601	12.5	13.1	
102 Fluorene	166	7.594	7.594	0.000	94	1747773	12.5	13.1	
103 4-Chlorophenyl phenyl ether	204	7.606	7.606	0.000	92	853952	12.5	13.1	
104 N-Nitro-o-toluidine	152	7.612	7.612	0.000	90	455095	12.5	14.0	
105 4-Nitroaniline	138	7.618	7.618	0.000	79	416205	12.5	13.8	
106 4,6-Dinitro-2-methylphenol	198	7.653	7.653	0.000	80	605055	25.0	29.1	
107 N-Nitrosodiphenylamine	169	7.717	7.717	0.000	63	1253246	10.6	12.2	
108 1,2-Diphenylhydrazine	77	7.752	7.752	0.000	41	2161986	12.5	14.2	
$ 109 2,4,6-Tribromophenol	330	7.822	7.822	0.000	91	526016	25.0	28.0	
110 Sulfotepp	97	7.880	7.880	0.000	77	336152	12.5	13.5	
112 1,3,5-Trinitrobenzene	213	7.979	7.979	0.000	84	161750	12.5	13.7	
113 cis-Diallate	86	7.991	7.991	0.000	0	632202	9.25	9.58	
114 Phorate	75	8.002	8.002	0.000	95	1372732	12.5	15.1	
115 Phenacetin	108	8.020	8.020	0.000	91	869901	12.5	14.4	
116 4-Bromophenyl phenyl ether	248	8.067	8.067	0.000	67	502715	12.5	14.0	
117 trans-Diallate	86	8.078	8.078	0.000	0	219211	3.25	3.46	
118 Hexachlorobenzene	284	8.113	8.113	0.000	94	525941	12.5	13.5	
119 Dimethoate	87	8.160	8.160	0.000	97	784225	12.5	14.1	
120 Atrazine	200	8.230	8.230	0.000	91	466149	12.5	14.1	
121 Pentachlorophenol	266	8.306	8.306	0.000	92	674717	25.0	26.8	
122 4-Aminobiphenyl	169	8.311	8.311	0.000	91	1837061	12.5	13.8	
123 Pentachloronitrobenzene	237	8.311	8.311	0.000	77	220972	12.5	14.1	
124 Pronamide	173	8.375	8.375	0.000	91	722525	12.5	14.3	
* 126 Phenanthrene-d10	188	8.480	8.480	0.000	98	858801	5.00	5.00	
125 Dinoseb	211	8.486	8.486	0.000	95	382611	12.5	13.2	
127 Disulfoton	88	8.498	8.498	0.000	95	1246781	12.5	14.6	
128 Phenanthrene	178	8.504	8.504	0.000	97	2452670	12.5	13.2	
129 Anthracene	178	8.550	8.550	0.000	98	2528531	12.5	13.9	
130 Carbazole	167	8.708	8.708	0.000	96	2306053	12.5	14.0	
131 Methyl parathion	109	8.848	8.848	0.000	91	583171	12.5	14.5	
133 Di-n-butyl phthalate	149	9.063	9.063	0.000	100	2567643	12.5	14.6	
134 Ethyl Parathion	109	9.226	9.226	0.000	85	342194	12.5	14.1	
135 4-Nitroquinoline-1-oxide	190	9.238	9.238	0.000	82	169347	12.5	13.1	
140 Octachlorostyrene	308	9.454	9.454	0.000	92	199703	12.5	13.7	
141 Isodrin	193	9.483	9.483	0.000	93	271768	12.5	12.8	
143 Fluoranthene	202	9.629	9.629	0.000	98	2624346	12.5	13.5	
S 136 Diallate	86				0		12.5	13.0	
147 Benzidine	184	9.774	9.774	0.000	99	5219420	37.5	40.5	
* 149 Pyrene-d10 (IS)	212	9.827	9.827	0.000	99	880956	5.00	5.00	
150 Pyrene	202	9.844	9.844	0.000	97	2759784	12.5	12.6	
$ 152 p-Terphenyl-d14	244	10.007	10.007	0.000	99	3599826	25.0	26.2	
154 p-Dimethylamino azobenzene	225	10.142	10.142	0.000	94	450806	12.5	13.7	
155 Chlorobenzilate	139	10.194	10.194	0.000	88	741344	12.5	14.2	
156 3,3'-Dimethylbenzidine	212	10.480	10.480	0.000	99	1363518	12.5	14.4	
157 Butyl benzyl phthalate	149	10.509	10.509	0.000	96	1090066	12.5	14.0	
158 2-Acetylaminofluorene	181	10.742	10.742	0.000	94	841229	12.5	13.3	
159 3,3'-Dichlorobenzidine	252	11.057	11.057	0.000	76	963740	12.5	13.4	
160 4,4'-Methylene bis(2-chloroani	231	11.068	11.068	0.000	94	459956	12.5	13.9	
161 Benzo[a]anthracene	228	11.068	11.068	0.000	99	2404527	12.5	13.8	
162 Chrysene	228	11.109	11.109	0.000	97	2267982	12.5	13.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
163 Bis(2-ethylhexyl) phthalate	149	11.156	11.156	0.000	98	1522637	12.5	13.8	
164 6-Methylchrysene	242	11.645	11.645	0.000	99	1496286	12.5	13.4	
165 Di-n-octyl phthalate	149	11.972	11.972	0.000	99	2310875	12.5	13.4	
167 Benzo[b]fluoranthene	252	12.391	12.391	0.000	98	2227526	12.5	13.8	
166 7,12-Dimethylbenz(a)anthracene	256	12.391	12.391	0.000	89	910047	12.5	13.7	
168 Benzo[k]fluoranthene	252	12.432	12.432	0.000	99	2360813	12.5	13.8	
169 Benzo[a]pyrene	252	12.823	12.823	0.000	78	2121112	12.5	14.1	
* 170 Perylene-d12	264	12.904	12.904	0.000	98	673950	5.00	5.00	
171 3-Methylcholanthrene	268	13.324	13.324	0.000	91	983887	12.5	14.0	
172 Dibenz[a,h]acridine	279	14.088	14.088	0.000	91	1499629	12.5	14.3	
173 Dibenz[a,j]acridine	279	14.157	14.157	0.000	96	1768469	12.5	14.2	
174 Indeno[1,2,3-cd]pyrene	276	14.402	14.402	0.000	99	2013419	12.5	14.6	
175 Dibenz(a,h)anthracene	278	14.449	14.449	0.000	93	1975504	12.5	14.2	
176 Benzo[g,h,i]perylene	276	14.799	14.799	0.000	98	1997925	12.5	14.1	
S 178 Dinitrotoluene	165				0		25.0	28.5	
S 182 Isosafrole	162				0		12.5	13.7	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_6_00065 Amount Added: 1.00 Units: mL

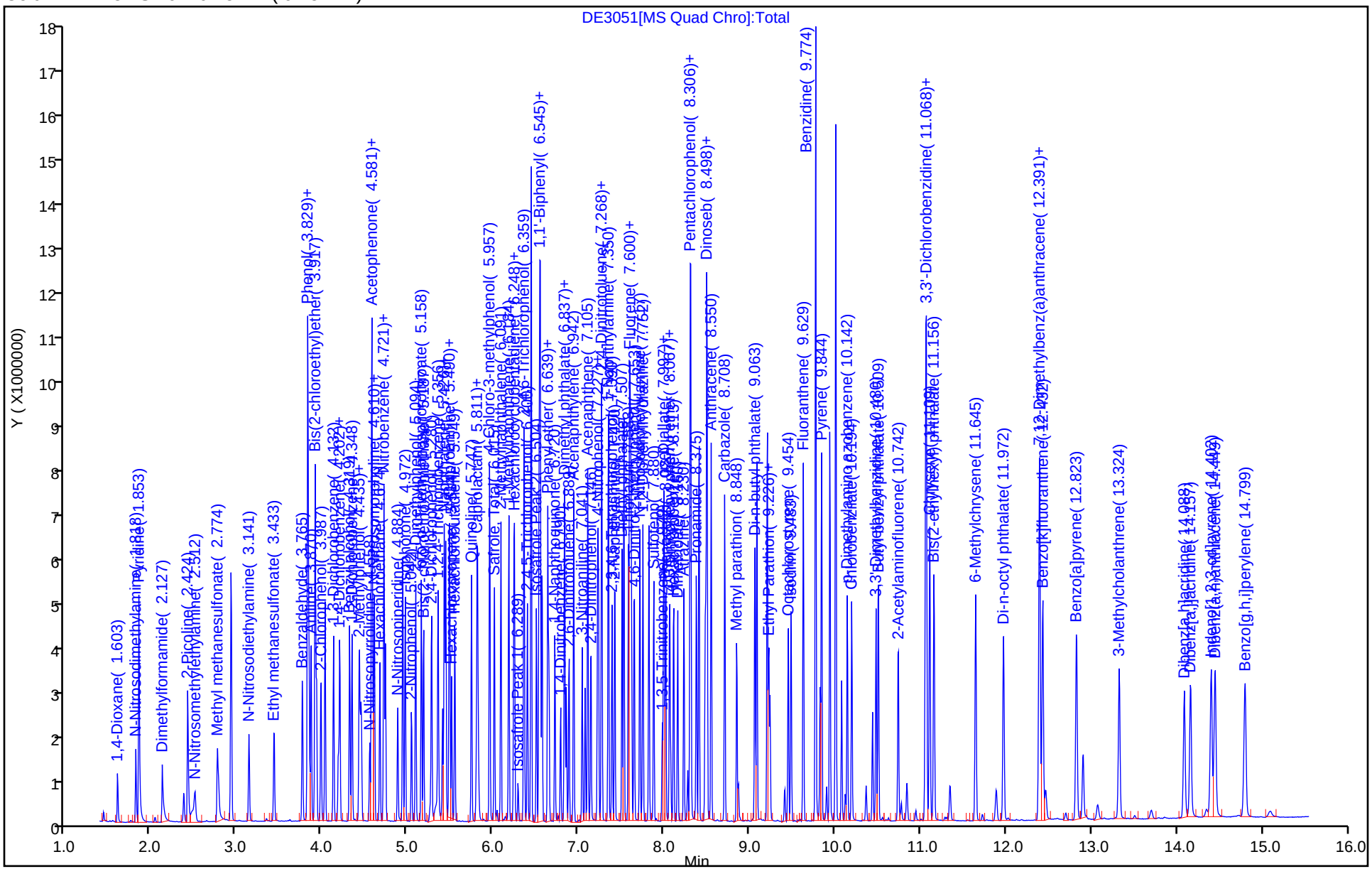
Report Date: 01-Jun-2025 12:44:56 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3051.D

Injection Date:	30-May-2025 22:18:56	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	ICIS L6			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3051.D				
Injection Date:	30-May-2025 22:18:56	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

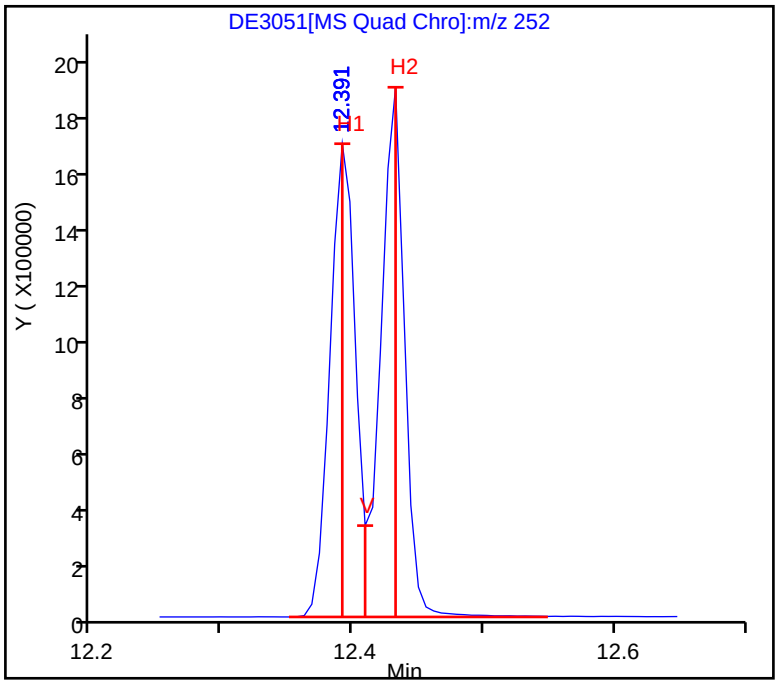
167 Benzo[b]fluoranthene - 168 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 323840
H1(167 Benzo[b]fluoranthen) = 1677824
H2(168 Benzo[k]fluoranthen) = 1878016

Version D: %R = 18.2 <= 50.0
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3052.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 30-May-2025 22:50:19 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0148877-003
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub59

Method: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-Jun-2025 12:45:17 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SJ89 Date: 01-Jun-2025 11:15:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.603	1.603	0.000	96	583200	30.0	29.7	
3 N-Nitrosodimethylamine	74	1.818	1.818	0.000	94	1020730	30.0	31.6	
4 Pyridine	79	1.853	1.853	0.000	97	3126105	60.0	60.6	
6 Dimethylformamide	73	2.121	2.127	-0.006	94	1216086	30.0	32.2	Ma
7 2-Picoline	93	2.424	2.424	0.000	91	1595724	30.0	30.6	
8 N-Nitrosomethylethylamine	88	2.512	2.512	0.000	93	707277	30.0	27.7	
9 Methyl methanesulfonate	80	2.774	2.774	0.000	85	837157	30.0	28.8	
$ 10 2-Fluorophenol	112	2.937	2.932	0.005	93	2752782	60.0	63.2	
11 N-Nitrosodiethylamine	102	3.147	3.141	0.006	97	698724	30.0	30.6	
12 Ethyl methanesulfonate	109	3.439	3.439	0.000	98	759087	30.0	30.2	
15 Benzaldehyde	77	3.771	3.765	0.006	96	493802	30.0	10.8	
$ 16 Phenol-d5	99	3.835	3.829	0.006	96	3977835	60.0	62.5	
17 Phenol	94	3.847	3.847	0.000	94	2122636	30.0	31.6	
18 Aniline	93	3.870	3.870	0.000	96	2545616	30.0	30.8	
19 Bis(2-chloroethyl)ether	93	3.934	3.934	0.000	97	1578679	30.0	29.6	
20 2-Chlorophenol	128	3.986	3.987	-0.001	94	1340588	30.0	31.2	
21 1,3-Dichlorobenzene	146	4.132	4.132	0.000	95	1412556	30.0	30.0	
* 22 1,4-Dichlorobenzene-d4	152	4.190	4.191	-0.001	97	161465	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.208	4.202	0.006	90	1431779	30.0	30.0	
25 Benzyl alcohol	108	4.324	4.319	0.005	91	1004505	30.0	31.2	
26 1,2-Dichlorobenzene	146	4.348	4.348	0.000	94	1382648	30.0	30.3	
28 2-Methylphenol	108	4.441	4.435	0.006	96	1397387	30.0	31.5	
29 2,2'-oxybis[1-chloropropane]	45	4.453	4.453	0.000	93	1999197	30.0	29.5	
31 N-Nitrosopyrrolidine	100	4.563	4.558	0.005	92	776266	30.0	31.0	
34 Acetophenone	105	4.581	4.575	0.006	96	2193247	30.0	29.5	
33 N-Nitrosodi-n-propylamine	70	4.587	4.581	0.006	76	1300410	30.0	30.6	
32 4-Methylphenol	108	4.587	4.581	0.006	93	1461533	30.0	30.1	
35 N-Nitrosomorpholine	56	4.604	4.599	0.005	91	946595	30.0	29.6	
36 2-Toluidine	106	4.616	4.610	0.006	94	2260365	30.0	29.8	
38 Hexachloroethane	117	4.674	4.674	0.000	97	618448	30.0	30.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.727	4.721	0.006	88	3620897	60.0	62.3	
40 Nitrobenzene	77	4.744	4.738	0.006	86	1745856	30.0	31.2	
42 N-Nitrosopiperidine	114	4.890	4.884	0.006	84	702010	30.0	30.9	
43 Isophorone	82	4.971	4.972	-0.001	97	3284428	30.0	30.7	
44 2-Nitrophenol	139	5.047	5.042	0.005	91	670005	30.0	33.1	
45 2,4-Dimethylphenol	107	5.094	5.094	0.000	97	1545065	30.0	31.9	
46 o,o',o''-Triethylphosphorothioat	198	5.164	5.158	0.006	89	700241	30.0	29.7	
47 Bis(2-chloroethoxy)methane	93	5.187	5.187	0.000	99	2014512	30.0	29.8	
37 alpha,alpha-Dimethyl phenethylam	58		5.274				ND	ND	U
48 2,4-Dichlorophenol	162	5.280	5.280	0.000	97	1147984	30.0	32.0	
49 1,2,4-Trichlorobenzene	180	5.356	5.356	0.000	93	1212872	30.0	30.1	
* 50 Naphthalene-d8	136	5.409	5.409	0.000	99	628082	5.00	5.00	
51 Naphthalene	128	5.432	5.426	0.006	98	3919204	30.0	29.2	
52 Alpha-Terpineol	59	5.449	5.444	0.005	94	1389302	30.0	31.0	
53 4-Chloroaniline	127	5.490	5.484	0.006	93	1722096	30.0	31.1	
54 2,6-Dichlorophenol	162	5.496	5.490	0.006	95	1128211	30.0	30.9	
55 Hexachloropropene	213	5.514	5.514	0.000	89	792852	30.0	33.4	
56 Hexachlorobutadiene	225	5.554	5.549	0.005	96	729949	30.0	30.3	
60 Quinoline	129	5.747	5.747	0.000	95	2495208	30.0	28.7	
61 Caprolactam	113	5.822	5.805	0.017	74	434649	30.0	31.4	
62 N-Nitrosodi-n-butylamine	84	5.817	5.811	0.006	91	1477058	30.0	30.4	
63 p-Phenylene diamine	108	5.828	5.823	0.005	95	1487880	30.0	31.3	
64 4-Chloro-3-methylphenol	107	5.962	5.962	0.000	93	1351284	30.0	30.7	
65 Safrole, Total	162	6.015	6.015	0.000	86	1030670	30.0	30.3	
66 2-Methylnaphthalene	142	6.091	6.091	0.000	91	2366846	30.0	29.9	
67 1-Methylnaphthalene	142	6.184	6.184	0.000	92	2480901	30.0	29.3	
68 Hexachlorocyclopentadiene	237	6.242	6.242	0.000	96	910503	30.0	34.2	
69 1,2,4,5-Tetrachlorobenzene	216	6.254	6.248	0.006	98	1337684	30.0	30.7	
70 Isosafrole Peak 1	162	6.295	6.289	0.006	88	187163	4.80	5.26	
71 2,4,6-Trichlorophenol	196	6.365	6.365	0.000	91	856775	30.0	32.8	
72 2,4,5-Trichlorophenol	196	6.405	6.400	0.005	93	933264	30.0	31.8	
$ 73 2-Fluorobiphenyl (Surr)	172	6.446	6.446	0.000	98	5737842	60.0	58.0	
74 Isosafrole Peak 2	162	6.510	6.504	0.006	89	1031701	25.2	26.5	
75 1,1'-Biphenyl	154	6.539	6.539	0.000	95	3181441	30.0	29.7	
76 2-Chloronaphthalene	162	6.557	6.551	0.006	93	2305697	30.0	28.1	
77 1-Chloronaphthalene	162	6.574	6.574	0.000	97	2359312	30.0	31.6	
78 Phenyl ether	170	6.644	6.639	0.005	85	1864836	30.0	29.8	
79 2-Nitroaniline	138	6.656	6.650	0.006	78	802770	30.0	32.0	
81 1,4-Naphthoquinone	158	6.726	6.720	0.006	84	954053	30.0	30.8	
84 1,4-Dinitrobenzene	168	6.790	6.790	0.000	87	390964	30.0	33.2	
85 Dimethyl phthalate	163	6.837	6.837	0.000	98	2816903	30.0	29.5	
86 1,3-Dinitrobenzene	168	6.860	6.854	0.006	83	469015	30.0	32.3	
87 2,6-Dinitrotoluene	165	6.889	6.889	0.000	89	621291	30.0	32.5	
88 Acenaphthylene	152	6.947	6.942	0.005	99	3947074	30.0	30.5	
89 3-Nitroaniline	138	7.046	7.041	0.005	88	716389	30.0	31.2	
* 90 Acenaphthene-d10	164	7.076	7.076	0.000	95	355763	5.00	5.00	
91 Acenaphthene	153	7.111	7.105	0.006	97	2567892	30.0	29.7	
92 2,4-Dinitrophenol	184	7.151	7.146	0.005	85	795967	60.0	69.3	
93 4-Nitrophenol	109	7.227	7.221	0.006	84	918636	60.0	64.4	
94 Pentachlorobenzene	250	7.233	7.233	0.000	98	1078358	30.0	28.5	
95 2,4-Dinitrotoluene	165	7.274	7.268	0.006	64	859539	30.0	31.9	
96 Dibenzofuran	168	7.274	7.274	0.000	95	3549678	30.0	28.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
97 1-Naphthylamine	143	7.350	7.350	0.000	98	2492225	30.0	31.2	
98 2,3,4,6-Tetrachlorophenol	232	7.396	7.390	0.006	74	769920	30.0	30.9	
99 2-Naphthylamine	143	7.425	7.425	0.000	95	2546190	30.0	29.8	
100 Diethyl phthalate	149	7.513	7.507	0.006	97	2864631	30.0	29.4	
101 Thionazin	107	7.589	7.583	0.006	78	513510	30.0	29.7	
102 Fluorene	166	7.600	7.594	0.006	93	2909324	30.0	29.2	
103 4-Chlorophenyl phenyl ether	204	7.606	7.606	0.000	93	1425157	30.0	29.2	
104 N-Nitro-o-toluidine	152	7.618	7.612	0.006	90	762632	30.0	31.3	
105 4-Nitroaniline	138	7.629	7.618	0.011	80	697230	30.0	30.8	
106 4,6-Dinitro-2-methylphenol	198	7.658	7.653	0.005	81	1077202	60.0	66.7	
107 N-Nitrosodiphenylamine	169	7.723	7.717	0.006	74	2077995	25.5	26.1	
108 1,2-Diphenylhydrazine	77	7.758	7.752	0.006	41	3594128	30.0	30.4	a
$ 109 2,4,6-Tribromophenol	330	7.828	7.822	0.006	92	888669	60.0	63.2	
110 Sulfotepp	97	7.880	7.880	0.000	78	573166	30.0	29.7	
112 1,3,5-Trinitrobenzene	213	7.985	7.979	0.006	84	286736	30.0	31.3	
113 cis-Diallate	86	7.997	7.991	0.006	0	1086139	22.2	21.2	
114 Phorate	75	8.002	8.002	0.000	95	2314298	30.0	32.9	
115 Phenacetin	108	8.026	8.020	0.006	92	1455642	30.0	31.0	
116 4-Bromophenyl phenyl ether	248	8.066	8.067	-0.001	67	845409	30.0	30.2	
117 trans-Diallate	86	8.078	8.078	0.000	0	378620	7.80	7.69	
118 Hexachlorobenzene	284	8.113	8.113	0.000	94	883027	30.0	29.2	
119 Dimethoate	87	8.166	8.160	0.006	97	1305829	30.0	30.4	
120 Atrazine	200	8.236	8.230	0.006	91	765706	30.0	29.9	
121 Pentachlorophenol	266	8.311	8.306	0.005	92	1167644	60.0	59.0	
122 4-Aminobiphenyl	169	8.317	8.311	0.006	91	3030401	30.0	29.4	
123 Pentachloronitrobenzene	237	8.317	8.311	0.006	76	383313	30.0	31.6	
124 Pronamide	173	8.381	8.375	0.006	91	1209995	30.0	30.9	
* 126 Phenanthrene-d10	188	8.480	8.480	0.000	96	666335	5.00	5.00	
125 Dinoseb	211	8.492	8.486	0.006	95	709675	30.0	30.7	
127 Disulfoton	88	8.504	8.498	0.006	95	2098732	30.0	31.7	
128 Phenanthrene	178	8.504	8.504	0.000	96	4030245	30.0	28.0	
129 Anthracene	178	8.556	8.550	0.006	99	4118314	30.0	29.2	
130 Carbazole	167	8.713	8.708	0.005	96	3779573	30.0	29.5	
131 Methyl parathion	109	8.853	8.848	0.005	91	990063	30.0	31.7	
133 Di-n-butyl phthalate	149	9.063	9.063	0.000	100	4290072	30.0	31.5	
134 Ethyl Parathion	109	9.226	9.226	0.000	83	619574	30.0	33.0	
135 4-Nitroquinoline-1-oxide	190	9.244	9.238	0.006	94	321110	30.0	30.6	
140 Octachlorostyrene	308	9.454	9.454	0.000	93	337426	30.0	29.8	
141 Isodrin	193	9.489	9.483	0.006	93	468387	30.0	28.4	
143 Fluoranthene	202	9.634	9.629	0.005	99	4322968	30.0	28.7	
S 136 Diallate	86				0		30.0	28.9	
147 Benzidine	184	9.780	9.774	0.006	99	7529929	90.0	80.9	e
* 149 Pyrene-d10 (IS)	212	9.827	9.827	0.000	99	636156	5.00	5.00	
150 Pyrene	202	9.844	9.844	0.000	96	4507166	30.0	28.5	
$ 152 p-Terphenyl-d14	244	10.013	10.007	0.006	99	5709964	60.0	57.5	
154 p-Dimethylamino azobenzene	225	10.147	10.142	0.005	94	756335	30.0	31.8	
155 Chlorobenzilate	139	10.200	10.194	0.006	90	1232785	30.0	32.7	
151 Famphur	218		10.467				ND	ND	U
156 3,3'-Dimethylbenzidine	212	10.480	10.480	0.000	99	2008994	30.0	29.4	
157 Butyl benzyl phthalate	149	10.509	10.509	0.000	96	1813295	30.0	32.4	
158 2-Acetylaminofluorene	181	10.742	10.742	0.000	95	1478708	30.0	32.4	
159 3,3'-Dichlorobenzidine	252	11.062	11.057	0.005	74	1599985	30.0	30.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
160 4,4'-Methylene bis(2-chloroanil	231	11.068	11.068	0.000	94	745452	30.0	31.3	
161 Benzo[a]anthracene	228	11.074	11.068	0.006	99	3880993	30.0	30.8	
162 Chrysene	228	11.115	11.109	0.006	97	3668739	30.0	29.8	
163 Bis(2-ethylhexyl) phthalate	149	11.161	11.156	0.005	98	2581982	30.0	32.5	
164 6-Methylchrysene	242	11.651	11.645	0.006	99	2530800	30.0	31.3	
165 Di-n-octyl phthalate	149	11.972	11.972	0.000	99	3958616	30.0	30.7	
167 Benzo[b]fluoranthene	252	12.397	12.391	0.006	97	3719368	30.0	31.3	
166 7,12-Dimethylbenz(a)anthracene	256	12.397	12.391	0.006	89	1603386	30.0	32.9	
168 Benzo[k]fluoranthene	252	12.438	12.432	0.006	99	3931812	30.0	31.3	
169 Benzo[a]pyrene	252	12.828	12.823	0.005	78	3632834	30.0	32.9	
* 170 Perylene-d12	264	12.904	12.904	0.000	98	494409	5.00	5.00	
171 3-Methylcholanthrene	268	13.330	13.324	0.006	91	1768900	30.0	34.4	
172 Dibenz[a,h]acridine	279	14.093	14.088	0.005	91	2617931	30.0	34.0	
173 Dibenz[a,j]acridine	279	14.169	14.157	0.012	96	3062713	30.0	33.6	
174 Indeno[1,2,3-cd]pyrene	276	14.408	14.402	0.006	99	3422000	30.0	33.7	
175 Dibenz(a,h)anthracene	278	14.455	14.449	0.006	93	3474442	30.0	34.0	
176 Benzo[g,h,i]perylene	276	14.810	14.799	0.011	98	3436281	30.0	33.0	
S 177 Aramite, Total	185		44.000				30.0	ND	
S 178 Dinitrotoluene	165				0		60.0	64.5	
S 182 Isosafrole	162				0		30.0	31.7	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_8_00042 Amount Added: 1.00 Units: mL

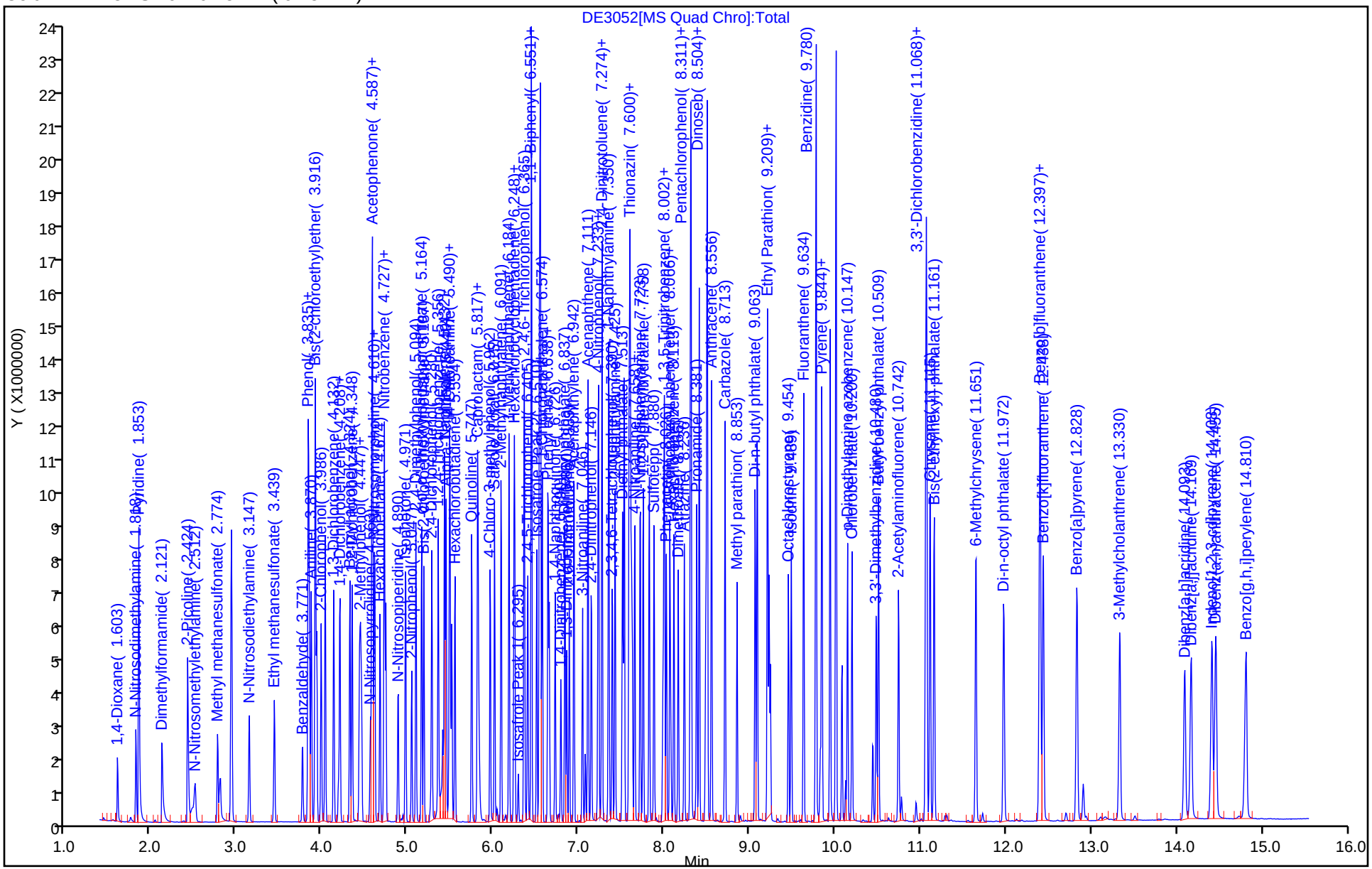
Report Date: 01-Jun-2025 12:45:18 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3052.D

Injection Date:	30-May-2025 22:50:19	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L8			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

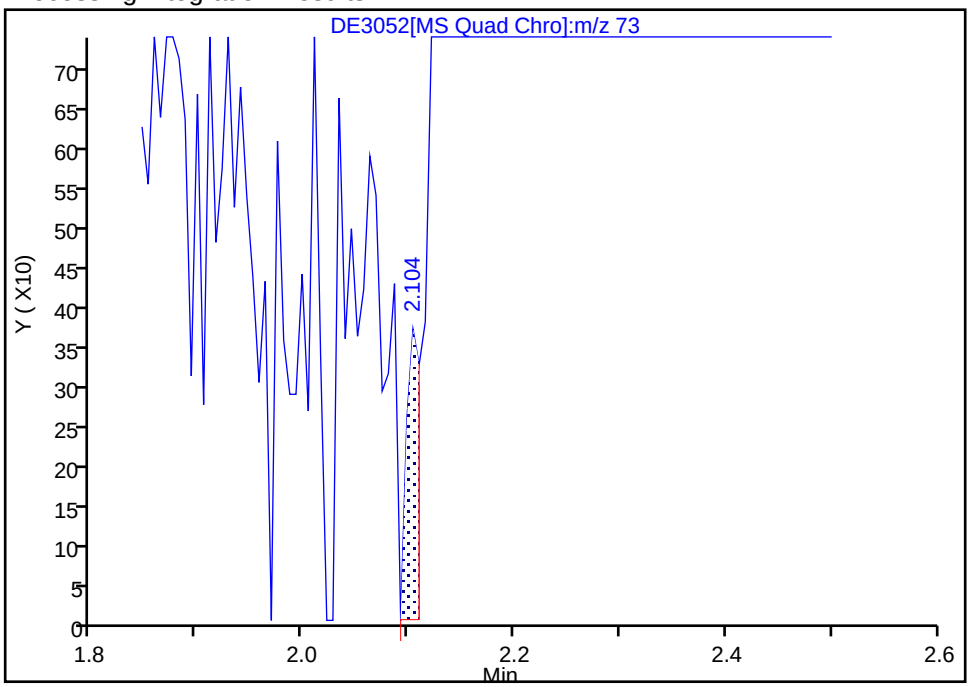
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3052.D
Injection Date: 30-May-2025 22:50:19 Instrument ID: HP19760
Lims ID: IC L8
Client ID:
Operator ID: IR93211 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

6 Dimethylformamide, CAS: 68-12-2

Signal: 1

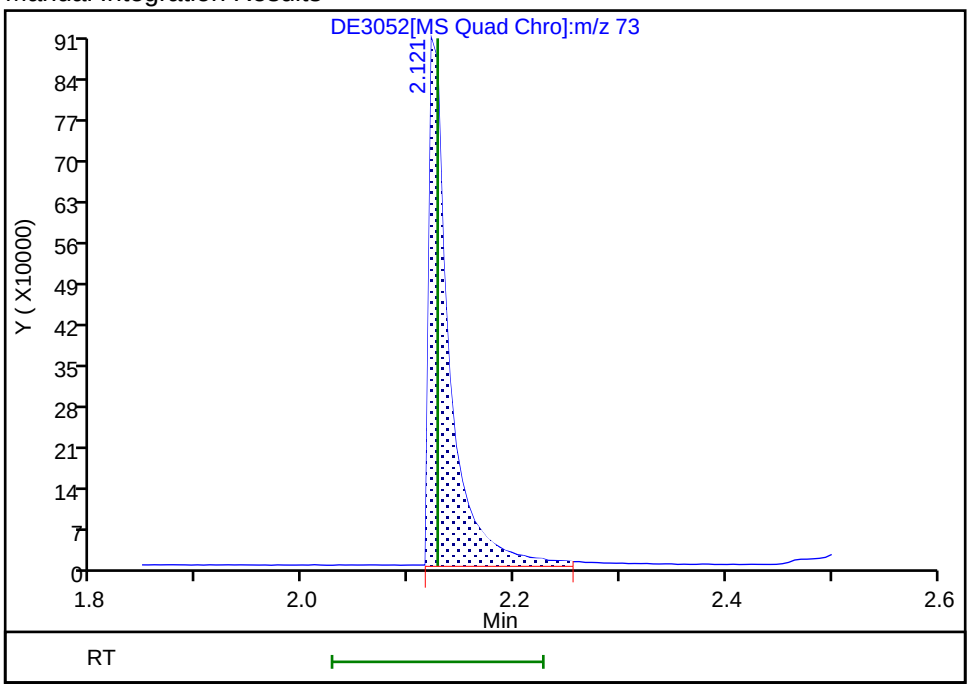
Processing Integration Results

RT: 2.10
Area: 272
Amount: 0.011578
Amount Units: ug/ml



Manual Integration Results

RT: 2.12
Area: 1216086
Amount: 32.233916
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:14:13 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

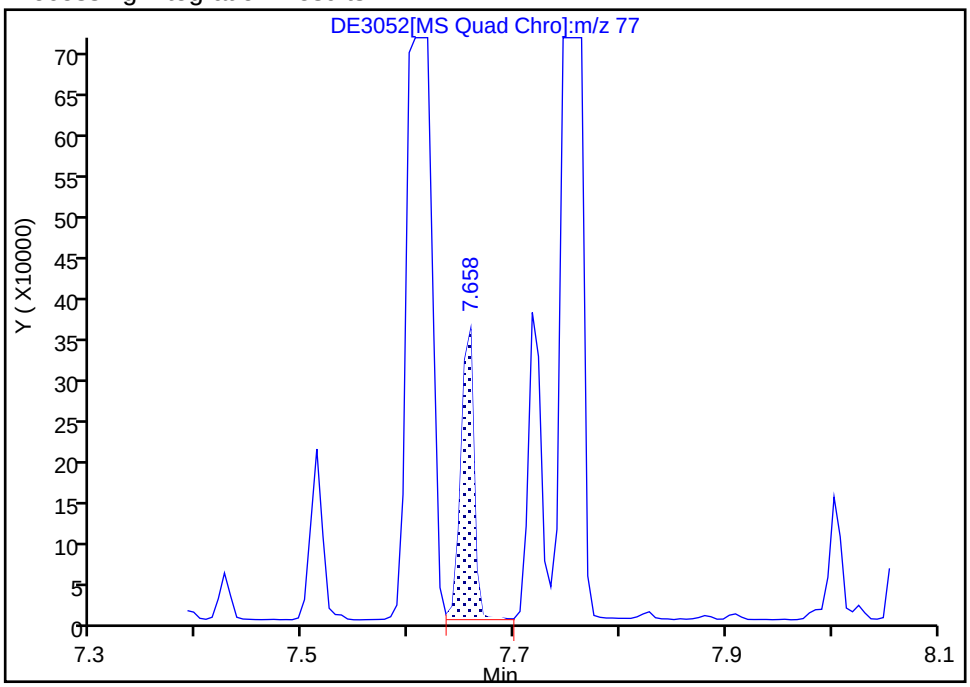
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3052.D				
Injection Date:	30-May-2025 22:50:19	Instrument ID:	HP19760		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

108 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

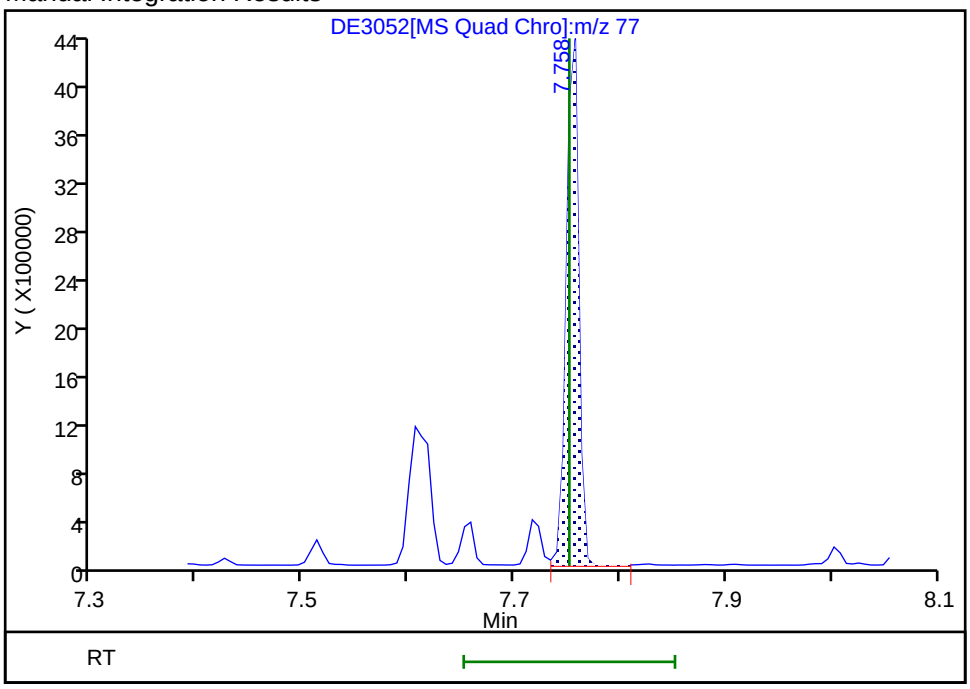
Processing Integration Results

RT: 7.66
Area: 312094
Amount: 3.455460
Amount Units: ug/ml



Manual Integration Results

RT: 7.76
Area: 3594128
Amount: 30.427924
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:15:01 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3053.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 30-May-2025 23:12:40 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0148877-004
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub59

Method: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-Jun-2025 12:45:38 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SJ89 Date: 01-Jun-2025 11:18:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.608	1.603	0.005	94	354175	20.0	19.7	
3 N-Nitrosodimethylamine	74	1.818	1.818	0.000	94	613628	20.0	20.7	
4 Pyridine	79	1.853	1.853	0.000	98	1880849	40.0	39.7	
6 Dimethylformamide	73	2.127	2.127	0.000	94	682387	20.0	19.7	
7 2-Picoline	93	2.424	2.424	0.000	90	948263	20.0	19.8	
8 N-Nitrosomethylethylamine	88	2.512	2.512	0.000	92	424354	20.0	18.2	
9 Methyl methanesulfonate	80	2.774	2.774	0.000	85	515084	20.0	19.3	
$ 10 2-Fluorophenol	112	2.937	2.932	0.005	93	1686643	40.0	42.2	
11 N-Nitrosodiethylamine	102	3.141	3.141	0.000	96	416275	20.0	19.9	
12 Ethyl methanesulfonate	109	3.438	3.439	-0.001	98	466489	20.0	20.2	
15 Benzaldehyde	77	3.765	3.765	0.000	96	466870	20.0	11.1	
$ 16 Phenol-d5	99	3.835	3.829	0.006	97	2496318	40.0	42.8	
17 Phenol	94	3.847	3.847	-0.001	93	1323917	20.0	21.5	
18 Aniline	93	3.870	3.870	0.000	96	1568036	20.0	20.7	
19 Bis(2-chloroethyl)ether	93	3.934	3.934	0.000	97	976457	20.0	20.0	
20 2-Chlorophenol	128	3.986	3.987	-0.001	94	829424	20.0	21.1	
21 1,3-Dichlorobenzene	146	4.132	4.132	0.000	94	872179	20.0	20.2	
* 22 1,4-Dichlorobenzene-d4	152	4.190	4.191	-0.001	95	148093	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.208	4.202	0.006	91	882050	20.0	20.2	
25 Benzyl alcohol	108	4.319	4.319	0.000	91	626137	20.0	21.2	
26 1,2-Dichlorobenzene	146	4.348	4.348	0.000	94	853211	20.0	20.4	
28 2-Methylphenol	108	4.435	4.435	0.000	93	865671	20.0	21.3	
29 2,2'-oxybis[1-chloropropane]	45	4.453	4.453	0.000	93	1252607	20.0	20.2	
31 N-Nitrosopyrrolidine	100	4.558	4.558	0.000	91	486886	20.0	21.2	
34 Acetophenone	105	4.575	4.575	0.000	98	1380503	20.0	20.2	
33 N-Nitrosodi-n-propylamine	70	4.581	4.581	0.000	85	811566	20.0	20.8	
32 4-Methylphenol	108	4.587	4.581	0.006	91	907398	20.0	20.4	
35 N-Nitrosomorpholine	56	4.598	4.599	-0.001	93	590423	20.0	20.1	
36 2-Toluidine	106	4.610	4.610	0.000	94	1407492	20.0	20.2	
38 Hexachloroethane	117	4.674	4.674	0.000	96	380733	20.0	20.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.721	4.721	0.000	90	2294461	40.0	43.1	
40 Nitrobenzene	77	4.738	4.738	0.000	89	1086170	20.0	21.2	
42 N-Nitrosopiperidine	114	4.884	4.884	0.000	83	438559	20.0	21.1	
43 Isophorone	82	4.971	4.972	-0.001	97	2068659	20.0	21.1	
44 2-Nitrophenol	139	5.047	5.042	0.005	91	414012	20.0	22.3	
45 2,4-Dimethylphenol	107	5.094	5.094	0.000	97	976457	20.0	22.0	
46 o,o',o''-Triethylphosphorothioat	198	5.158	5.158	0.000	94	437141	20.0	20.2	
47 Bis(2-chloroethoxy)methane	93	5.187	5.187	0.000	99	1303990	20.0	21.1	
37 alpha,alpha-Dimethyl phenethylam	58		5.274				ND	ND	U
48 2,4-Dichlorophenol	162	5.280	5.280	0.000	96	723594	20.0	22.0	
49 1,2,4-Trichlorobenzene	180	5.356	5.356	0.000	94	757362	20.0	20.5	
* 50 Naphthalene-d8	136	5.409	5.409	0.000	99	575437	5.00	5.00	
51 Naphthalene	128	5.426	5.426	0.000	98	2489507	20.0	20.3	
52 Alpha-Terpineol	59	5.444	5.444	0.000	94	881351	20.0	21.4	
53 4-Chloroaniline	127	5.484	5.484	0.000	94	1098432	20.0	21.6	
54 2,6-Dichlorophenol	162	5.490	5.490	0.000	94	708836	20.0	21.2	
55 Hexachloropropene	213	5.513	5.514	-0.001	89	478587	20.0	22.0	
56 Hexachlorobutadiene	225	5.548	5.549	-0.001	96	457995	20.0	20.7	
60 Quinoline	129	5.747	5.747	0.000	95	1599187	20.0	20.1	
61 Caprolactam	113	5.811	5.805	0.006	74	284050	20.0	22.4	
62 N-Nitrosodi-n-butylamine	84	5.817	5.811	0.006	89	950752	20.0	21.3	
63 p-Phenylene diamine	108	5.822	5.823	-0.001	95	988196	20.0	22.7	
64 4-Chloro-3-methylphenol	107	5.962	5.962	0.000	93	863451	20.0	21.4	
65 Safrole, Total	162	6.015	6.015	0.000	87	652536	20.0	21.0	
66 2-Methylnaphthalene	142	6.091	6.091	0.000	91	1545116	20.0	21.3	
67 1-Methylnaphthalene	142	6.184	6.184	0.000	92	1599067	20.0	20.6	
68 Hexachlorocyclopentadiene	237	6.242	6.242	0.000	95	555837	20.0	21.6	
69 1,2,4,5-Tetrachlorobenzene	216	6.248	6.248	0.000	98	854467	20.0	20.3	
70 Isosafrole Peak 1	162	6.295	6.289	0.006	88	116323	3.20	3.38	
71 2,4,6-Trichlorophenol	196	6.364	6.365	-0.001	93	556901	20.0	22.1	
72 2,4,5-Trichlorophenol	196	6.399	6.400	-0.001	93	614784	20.0	21.7	
$ 73 2-Fluorobiphenyl (Surr)	172	6.446	6.446	0.000	99	3848907	40.0	40.3	
74 Isosafrole Peak 2	162	6.504	6.504	0.000	90	660167	16.8	17.5	
75 1,1'-Biphenyl	154	6.539	6.539	0.000	94	2070269	20.0	20.0	
76 2-Chloronaphthalene	162	6.551	6.551	0.000	97	1633542	20.0	20.6	
77 1-Chloronaphthalene	162	6.574	6.574	0.000	97	1400314	20.0	19.4	
78 Phenyl ether	170	6.638	6.639	-0.001	87	1217712	20.0	20.1	
79 2-Nitroaniline	138	6.650	6.650	0.000	78	526887	20.0	21.8	
81 1,4-Naphthoquinone	158	6.720	6.720	0.000	84	620921	20.0	20.8	
84 1,4-Dinitrobenzene	168	6.790	6.790	0.000	87	250448	20.0	22.0	
85 Dimethyl phthalate	163	6.837	6.837	0.000	98	1855130	20.0	20.2	
86 1,3-Dinitrobenzene	168	6.860	6.854	0.006	84	305705	20.0	21.8	
87 2,6-Dinitrotoluene	165	6.889	6.889	0.000	91	417171	20.0	22.6	
88 Acenaphthylene	152	6.942	6.942	0.000	99	2617383	20.0	20.9	
89 3-Nitroaniline	138	7.041	7.041	0.000	89	475450	20.0	21.4	
* 90 Acenaphthene-d10	164	7.076	7.076	0.000	95	343457	5.00	5.00	
91 Acenaphthene	153	7.105	7.105	0.000	97	1703708	20.0	20.4	
92 2,4-Dinitrophenol	184	7.146	7.146	0.000	85	513878	40.0	46.3	
93 4-Nitrophenol	109	7.221	7.221	0.000	85	618805	40.0	44.9	
94 Pentachlorobenzene	250	7.233	7.233	0.000	98	704831	20.0	19.3	
95 2,4-Dinitrotoluene	165	7.268	7.268	0.000	83	570626	20.0	21.9	
96 Dibenzofuran	168	7.274	7.274	0.000	97	2351377	20.0	19.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
97 1-Naphthylamine	143	7.350	7.350	0.000	98	1662141	20.0	21.5	
98 2,3,4,6-Tetrachlorophenol	232	7.390	7.390	0.000	74	515239	20.0	21.4	
99 2-Naphthylamine	143	7.425	7.425	0.000	95	1701477	20.0	20.6	
100 Diethyl phthalate	149	7.507	7.507	0.000	98	1921805	20.0	20.4	
101 Thionazin	107	7.583	7.583	0.000	78	344663	20.0	20.6	
102 Fluorene	166	7.594	7.594	0.000	93	1940300	20.0	20.1	
103 4-Chlorophenyl phenyl ether	204	7.606	7.606	0.000	94	953987	20.0	20.2	
104 N-Nitro-o-toluidine	152	7.612	7.612	0.000	90	507580	20.0	21.6	
105 4-Nitroaniline	138	7.623	7.618	0.005	80	464646	20.0	21.3	
106 4,6-Dinitro-2-methylphenol	198	7.653	7.653	0.000	81	709145	40.0	44.6	
107 N-Nitrosodiphenylamine	169	7.717	7.717	0.000	63	1384950	17.0	17.7	
108 1,2-Diphenylhydrazine	77	7.752	7.752	0.000	44	2428584	20.0	20.9	a
$ 109 2,4,6-Tribromophenol	330	7.822	7.822	0.000	91	591493	40.0	43.6	
110 Sulfotepp	97	7.880	7.880	0.000	78	380567	20.0	20.1	
112 1,3,5-Trinitrobenzene	213	7.979	7.979	0.000	84	187657	20.0	20.8	
113 cis-Diallate	86	7.991	7.991	0.000	0	723861	14.8	14.4	
114 Phorate	75	8.002	8.002	0.000	95	1522371	20.0	22.0	
115 Phenacetin	108	8.020	8.020	0.000	91	979660	20.0	21.2	
116 4-Bromophenyl phenyl ether	248	8.066	8.067	-0.001	67	557222	20.0	20.2	
117 trans-Diallate	86	8.078	8.078	0.000	0	251070	5.20	5.18	
118 Hexachlorobenzene	284	8.113	8.113	0.000	94	596231	20.0	20.0	
119 Dimethoate	87	8.160	8.160	0.000	97	895860	20.0	21.2	
120 Atrazine	200	8.235	8.230	0.005	91	539143	20.0	21.4	
121 Pentachlorophenol	266	8.305	8.306	-0.001	92	786258	40.0	40.6	
122 4-Aminobiphenyl	169	8.311	8.311	0.000	91	2073199	20.0	20.4	
123 Pentachloronitrobenzene	237	8.311	8.311	0.000	47	250805	20.0	21.0	
124 Pronamide	173	8.375	8.375	0.000	91	812631	20.0	21.1	
* 126 Phenanthrene-d10	188	8.480	8.480	0.000	96	655966	5.00	5.00	
125 Dinoseb	211	8.486	8.486	0.000	95	460713	20.0	20.5	
127 Disulfoton	88	8.498	8.498	0.000	95	1411958	20.0	21.7	
128 Phenanthrene	178	8.504	8.504	0.000	96	2780600	20.0	19.6	
129 Anthracene	178	8.550	8.550	0.000	98	2853994	20.0	20.6	
130 Carbazole	167	8.708	8.708	0.000	96	2603635	20.0	20.7	
131 Methyl parathion	109	8.847	8.848	-0.001	91	675208	20.0	22.0	
133 Di-n-butyl phthalate	149	9.063	9.063	0.000	100	2919241	20.0	21.8	
134 Ethyl Parathion	109	9.226	9.226	0.000	83	410982	20.0	22.2	
135 4-Nitroquinoline-1-oxide	190	9.244	9.238	0.006	87	201670	20.0	19.9	
140 Octachlorostyrene	308	9.454	9.454	0.000	93	229594	20.0	20.6	
141 Isodrin	193	9.483	9.483	0.000	93	314511	20.0	19.4	
143 Fluoranthene	202	9.629	9.629	-0.001	98	3011358	20.0	20.3	
S 136 Diallate	86				0		20.0	19.5	
147 Benzidine	184	9.774	9.774	0.000	99	5494246	60.0	58.4	
* 149 Pyrene-d10 (IS)	212	9.827	9.827	0.000	99	642810	5.00	5.00	
150 Pyrene	202	9.844	9.844	0.000	97	3137109	20.0	19.6	
$ 152 p-Terphenyl-d14	244	10.007	10.007	0.000	100	4044959	40.0	40.3	
154 p-Dimethylamino azobenzene	225	10.141	10.142	-0.001	94	513833	20.0	21.4	
155 Chlorobenzilate	139	10.194	10.194	0.000	90	844284	20.0	22.2	
151 Famphur	218		10.467				ND	ND	U
156 3,3'-Dimethylbenzidine	212	10.479	10.480	-0.001	99	1406549	20.0	20.4	
157 Butyl benzyl phthalate	149	10.503	10.509	-0.006	96	1248217	20.0	22.0	
158 2-Acetylaminofluorene	181	10.736	10.742	-0.006	95	984921	20.0	21.4	
159 3,3'-Dichlorobenzidine	252	11.057	11.057	0.000	78	1115524	20.0	21.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
160 4,4'-Methylene bis(2-chloroanil	231	11.068	11.068	0.000	94	526663	20.0	21.9	
161 Benzo[a]anthracene	228	11.068	11.068	0.000	99	2709114	20.0	21.3	
162 Chrysene	228	11.109	11.109	0.000	97	2588938	20.0	20.8	
163 Bis(2-ethylhexyl) phthalate	149	11.156	11.156	0.000	98	1748620	20.0	21.8	
164 6-Methylchrysene	242	11.645	11.645	0.000	99	1732398	20.0	21.2	
165 Di-n-octyl phthalate	149	11.972	11.972	0.000	99	2624940	20.0	20.4	
167 Benzo[b]fluoranthene	252	12.391	12.391	0.000	97	2551133	20.0	21.4	
166 7,12-Dimethylbenz(a)anthracene	256	12.391	12.391	0.000	83	1072478	20.0	21.9	
168 Benzo[k]fluoranthene	252	12.432	12.432	0.000	100	2707608	20.0	21.4	
169 Benzo[a]pyrene	252	12.823	12.823	0.000	78	2471469	20.0	22.3	
* 170 Perylene-d12	264	12.904	12.904	0.000	98	496539	5.00	5.00	
171 3-Methylcholanthrene	268	13.324	13.324	0.000	91	1133752	20.0	21.9	
172 Dibenz[a,h]acridine	279	14.087	14.088	-0.001	91	1697215	20.0	22.0	
173 Dibenz[a,j]acridine	279	14.163	14.157	0.006	96	2030408	20.0	22.2	
174 Indeno[1,2,3-cd]pyrene	276	14.402	14.402	0.000	99	2305243	20.0	22.6	
175 Dibenz(a,h)anthracene	278	14.449	14.449	0.000	92	2274993	20.0	22.2	
176 Benzo[g,h,i]perylene	276	14.799	14.799	-0.001	98	2276984	20.0	21.8	
S 177 Aramite, Total	185		44.000				20.0	ND	
S 178 Dinitrotoluene	165				0		40.0	44.6	
S 182 Isosafrole	162				0		20.0	20.9	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_7_00043 Amount Added: 1.00 Units: mL

Report Date: 01-Jun-2025 12:45:39 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3053.D

Injection Date: 30-May-2025 23:12:40 Instrument ID: HP19760 Operator ID: IR93211

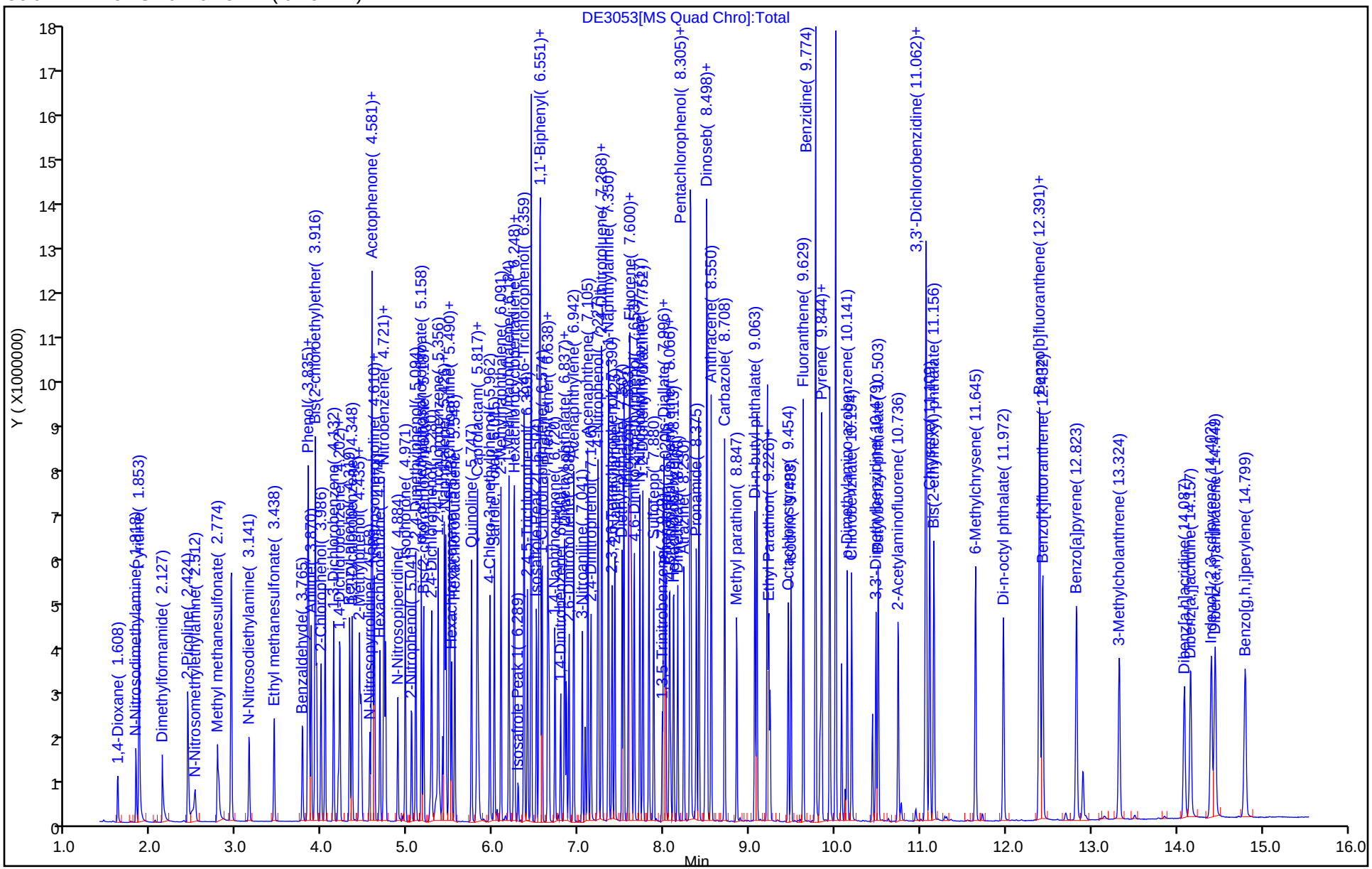
Lims ID: IC L7 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

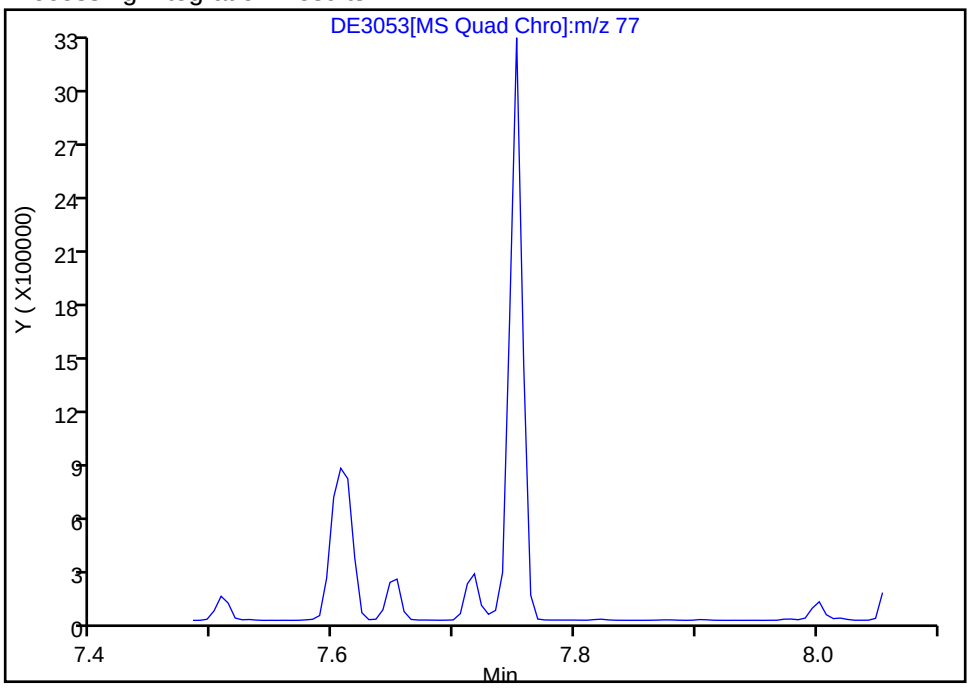
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3053.D				
Injection Date:	30-May-2025 23:12:40	Instrument ID:	HP19760		
Lims ID:	IC L7				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

108 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

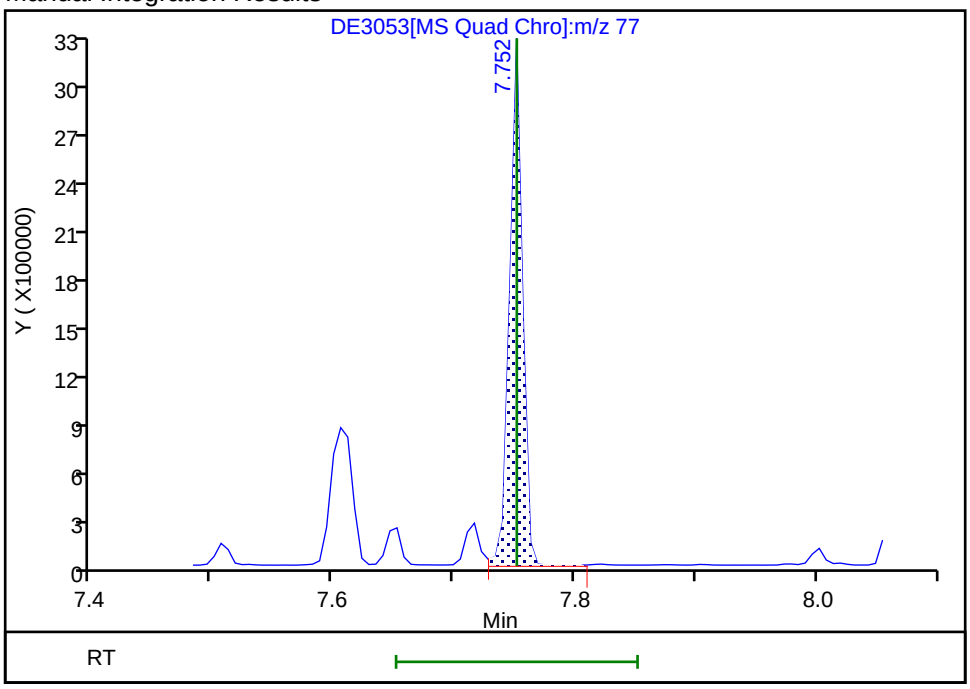
Not Detected
Expected RT: 7.75

Processing Integration Results



Manual Integration Results

RT: 7.75
Area: 2428584
Amount: 20.885420
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:17:51 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3054.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 30-May-2025 23:34:54 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0148877-005
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub59

Method: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-Jun-2025 12:46:00 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SJ89 Date: 01-Jun-2025 11:21:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.608	1.608	0.000	95	151376	7.50	7.50	
3 N-Nitrosodimethylamine	74	1.818	1.818	0.000	95	261614	7.50	7.88	
4 Pyridine	79	1.859	1.859	0.000	97	829153	15.0	15.6	
6 Dimethylformamide	73	2.133	2.133	0.000	95	306391	7.50	7.89	
7 2-Picoline	93	2.430	2.430	0.000	90	428959	7.50	7.99	
8 N-Nitrosomethylethylamine	88	2.512	2.512	0.000	94	192070	7.50	7.32	
9 Methyl methanesulfonate	80	2.774	2.774	0.000	84	240631	7.50	8.04	
$ 10 2-Fluorophenol	112	2.932	2.932	0.000	93	726031	15.0	16.2	
11 N-Nitrosodiethylamine	102	3.141	3.141	0.000	96	189895	7.50	8.09	
12 Ethyl methanesulfonate	109	3.433	3.433	0.000	98	212116	7.50	8.19	
15 Benzaldehyde	77	3.765	3.765	0.000	96	342214	7.50	7.28	
$ 16 Phenol-d5	99	3.829	3.829	0.000	96	1082240	15.0	16.5	
17 Phenol	94	3.847	3.847	0.000	94	516294	7.50	7.48	
18 Aniline	93	3.870	3.870	0.000	96	683679	7.50	8.04	
19 Bis(2-chloroethyl)ether	93	3.934	3.934	0.000	96	431059	7.50	7.86	
20 2-Chlorophenol	128	3.987	3.987	0.000	95	357888	7.50	8.10	
21 1,3-Dichlorobenzene	146	4.132	4.132	0.000	94	375089	7.50	7.73	
* 22 1,4-Dichlorobenzene-d4	152	4.191	4.191	0.000	97	166116	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.202	4.202	0.000	91	382987	7.50	7.80	
25 Benzyl alcohol	108	4.319	4.319	0.000	91	269213	7.50	8.12	
26 1,2-Dichlorobenzene	146	4.348	4.348	0.000	94	369772	7.50	7.87	
28 2-Methylphenol	108	4.430	4.430	0.000	94	372999	7.50	8.16	
29 2,2'-oxybis[1-chloropropane]	45	4.453	4.453	0.000	93	544621	7.50	7.82	
31 N-Nitrosopyrrolidine	100	4.552	4.552	0.000	91	218716	7.50	8.48	
34 Acetophenone	105	4.575	4.575	0.000	97	616568	7.50	8.06	
33 N-Nitrosodi-n-propylamine	70	4.575	4.575	0.000	82	358842	7.50	8.20	
32 4-Methylphenol	108	4.581	4.581	0.000	94	397269	7.50	7.96	
35 N-Nitrosomorpholine	56	4.593	4.593	0.000	90	275458	7.50	8.38	
36 2-Toluidine	106	4.610	4.610	0.000	95	644369	7.50	8.26	
38 Hexachloroethane	117	4.674	4.674	0.000	96	162524	7.50	7.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.721	4.721	0.000	89	1001053	15.0	15.8	
40 Nitrobenzene	77	4.738	4.738	0.000	87	479238	7.50	7.86	
42 N-Nitrosopiperidine	114	4.884	4.884	0.000	84	201363	7.50	8.14	
43 Isophorone	82	4.972	4.972	0.000	97	926789	7.50	7.94	
44 2-Nitrophenol	139	5.042	5.042	0.000	91	175048	7.50	7.94	
45 2,4-Dimethylphenol	107	5.094	5.094	0.000	97	425540	7.50	8.07	
46 o,o',o''-Triethylphosphorothioat	198	5.158	5.158	0.000	91	196700	7.50	7.65	
47 Bis(2-chloroethoxy)methane	93	5.181	5.181	0.000	99	571978	7.50	7.77	
48 2,4-Dichlorophenol	162	5.281	5.281	0.000	96	314561	7.50	8.06	
49 1,2,4-Trichlorobenzene	180	5.356	5.356	0.000	94	334036	7.50	7.61	
* 50 Naphthalene-d8	136	5.409	5.409	0.000	100	684324	5.00	5.00	
51 Naphthalene	128	5.426	5.426	0.000	98	1106969	7.50	7.58	
52 Alpha-Terpineol	59	5.444	5.444	0.000	94	382913	7.50	7.84	
53 4-Chloroaniline	127	5.485	5.485	0.000	94	490061	7.50	8.11	
54 2,6-Dichlorophenol	162	5.490	5.490	0.000	93	315178	7.50	7.91	
55 Hexachloropropene	213	5.514	5.514	0.000	89	203176	7.50	7.85	
56 Hexachlorobutadiene	225	5.549	5.549	0.000	96	200706	7.50	7.65	
60 Quinoline	129	5.747	5.747	0.000	95	742931	7.50	7.84	
61 Caprolactam	113	5.799	5.799	0.000	78	123246	7.50	8.18	
62 N-Nitrosodi-n-butylamine	84	5.811	5.811	0.000	90	439109	7.50	8.29	
63 p-Phenylene diamine	108	5.823	5.823	0.000	95	434886	7.50	8.40	
64 4-Chloro-3-methylphenol	107	5.957	5.957	0.000	93	388120	7.50	8.10	
65 Safrole, Total	162	6.015	6.015	0.000	87	295236	7.50	7.97	
66 2-Methylnaphthalene	142	6.091	6.091	0.000	91	688115	7.50	7.97	
67 1-Methylnaphthalene	142	6.184	6.184	0.000	94	721362	7.50	7.82	
68 Hexachlorocyclopentadiene	237	6.242	6.242	0.000	96	235763	7.50	7.62	
69 1,2,4,5-Tetrachlorobenzene	216	6.248	6.248	0.000	98	388719	7.50	7.66	
70 Isosafrole Peak 1	162	6.289	6.289	0.000	86	50864	1.20	1.23	
71 2,4,6-Trichlorophenol	196	6.359	6.359	0.000	94	243640	7.50	8.03	
72 2,4,5-Trichlorophenol	196	6.400	6.400	0.000	94	268990	7.50	7.89	
$ 73 2-Fluorobiphenyl (Surr)	172	6.446	6.446	0.000	100	1806226	15.0	15.7	
74 Isosafrole Peak 2	162	6.505	6.505	0.000	90	301403	6.30	6.65	
75 1,1'-Biphenyl	154	6.534	6.534	0.000	97	957058	7.50	7.68	
76 2-Chloronaphthalene	162	6.551	6.551	0.000	95	771663	7.50	8.08	M
77 1-Chloronaphthalene	162	6.569	6.569	0.000	98	631219	7.50	7.27	Ma
78 Phenyl ether	170	6.639	6.639	0.000	87	553073	7.50	7.60	
79 2-Nitroaniline	138	6.650	6.650	0.000	77	224611	7.50	7.71	
81 1,4-Naphthoquinone	158	6.720	6.720	0.000	84	288438	7.50	8.01	
84 1,4-Dinitrobenzene	168	6.790	6.790	0.000	86	109843	7.50	8.01	
85 Dimethyl phthalate	163	6.831	6.831	0.000	98	852661	7.50	7.69	
86 1,3-Dinitrobenzene	168	6.854	6.854	0.000	84	135951	7.50	8.06	
87 2,6-Dinitrotoluene	165	6.883	6.883	0.000	88	184534	7.50	8.32	
88 Acenaphthylene	152	6.942	6.942	0.000	99	1182184	7.50	7.85	
89 3-Nitroaniline	138	7.041	7.041	0.000	88	204649	7.50	7.66	
* 90 Acenaphthene-d10	164	7.076	7.076	0.000	95	413630	5.00	5.00	
91 Acenaphthene	153	7.105	7.105	0.000	96	773557	7.50	7.70	
92 2,4-Dinitrophenol	184	7.140	7.140	0.000	85	240662	17.5	18.0	
93 4-Nitrophenol	109	7.221	7.221	0.000	83	263665	15.0	15.9	
94 Pentachlorobenzene	250	7.233	7.233	0.000	98	329087	7.50	7.48	
95 2,4-Dinitrotoluene	165	7.262	7.262	0.000	93	252504	7.50	8.06	
96 Dibenzofuran	168	7.268	7.268	0.000	96	1091728	7.50	7.59	
97 1-Naphthylamine	143	7.344	7.344	0.000	99	753485	7.50	8.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.390	7.390	0.000	74	228022	7.50	7.87	
99 2-Naphthylamine	143	7.420	7.420	0.000	96	799849	7.50	8.05	
100 Diethyl phthalate	149	7.507	7.507	0.000	98	876766	7.50	7.73	
101 Thionazin	107	7.577	7.577	0.000	78	153554	7.50	7.64	
102 Fluorene	166	7.594	7.594	0.000	95	885916	7.50	7.64	
103 4-Chlorophenyl phenyl ether	204	7.600	7.600	0.000	92	434753	7.50	7.66	
104 N-Nitro-o-toluidine	152	7.606	7.606	0.000	87	233888	7.50	8.25	
105 4-Nitroaniline	138	7.612	7.612	0.000	79	207222	7.50	7.88	
106 4,6-Dinitro-2-methylphenol	198	7.647	7.647	0.000	80	295735	15.0	16.3	
107 N-Nitrosodiphenylamine	169	7.711	7.711	0.000	63	637339	6.38	7.12	
108 1,2-Diphenylhydrazine	77	7.752	7.752	0.000	41	1090229	7.50	8.20	
$ 109 2,4,6-Tribromophenol	330	7.822	7.822	0.000	92	263877	15.0	16.1	
110 Sulfotepp	97	7.874	7.874	0.000	77	173017	7.50	7.98	
112 1,3,5-Trinitrobenzene	213	7.973	7.973	0.000	82	78704	7.50	7.63	
113 cis-Diallate	86	7.991	7.991	0.000	0	327171	5.55	5.68	
114 Phorate	75	7.997	7.997	0.000	95	687368	7.50	8.69	
115 Phenacetin	108	8.014	8.014	0.000	93	441854	7.50	8.37	
116 4-Bromophenyl phenyl ether	248	8.061	8.061	0.000	68	254520	7.50	8.09	
117 trans-Diallate	86	8.072	8.072	0.000	0	115134	1.95	2.08	
118 Hexachlorobenzene	284	8.107	8.107	0.000	94	272037	7.50	8.00	
119 Dimethoate	87	8.154	8.154	0.000	97	405636	7.50	8.38	
120 Atrazine	200	8.230	8.230	0.000	91	247573	7.50	8.60	
121 Pentachlorophenol	266	8.300	8.300	0.000	92	342103	15.0	15.8	
122 4-Aminobiphenyl	169	8.306	8.306	0.000	91	972582	7.50	8.38	
123 Pentachloronitrobenzene	237	8.311	8.311	0.000	85	117533	7.50	8.61	
124 Pronamide	173	8.376	8.376	0.000	90	369513	7.50	8.38	
* 126 Phenanthrene-d10	188	8.475	8.475	0.000	97	749910	5.00	5.00	
125 Dinoseb	211	8.486	8.486	0.000	95	182209	7.50	7.46	
127 Disulfoton	88	8.498	8.498	0.000	94	640144	7.50	8.60	
128 Phenanthrene	178	8.498	8.498	0.000	97	1288335	7.50	7.95	
129 Anthracene	178	8.550	8.550	0.000	98	1316580	7.50	8.31	
130 Carbazole	167	8.708	8.708	0.000	96	1180382	7.50	8.20	
131 Methyl parathion	109	8.848	8.848	0.000	91	290708	7.50	8.27	
133 Di-n-butyl phthalate	149	9.057	9.057	0.000	100	1291918	7.50	8.43	
134 Ethyl Parathion	109	9.221	9.221	0.000	83	172560	7.50	8.17	
135 4-Nitroquinoline-1-oxide	190	9.238	9.238	0.000	81	71834	7.50	6.87	
140 Octachlorostyrene	308	9.454	9.454	0.000	92	101910	7.50	7.99	
141 Isodrin	193	9.483	9.483	0.000	93	141932	7.50	7.64	
143 Fluoranthene	202	9.629	9.629	0.000	98	1375935	7.50	8.11	
S 136 Diallate	86				0		7.50	7.76	
147 Benzidine	184	9.769	9.769	0.000	99	2735073	22.5	24.2	
* 149 Pyrene-d10 (IS)	212	9.821	9.821	0.000	99	772079	5.00	5.00	
150 Pyrene	202	9.838	9.838	0.000	97	1436206	7.50	7.47	
$ 152 p-Terphenyl-d14	244	10.008	10.008	0.000	100	1879182	15.0	15.6	
154 p-Dimethylamino azobenzene	225	10.142	10.142	0.000	94	233572	7.50	8.08	
155 Chlorobenzilate	139	10.194	10.194	0.000	89	372856	7.50	8.16	
156 3,3'-Dimethylbenzidine	212	10.474	10.474	0.000	99	696225	7.50	8.40	
157 Butyl benzyl phthalate	149	10.503	10.503	0.000	96	547588	7.50	8.05	
158 2-Acetylaminofluorene	181	10.736	10.736	0.000	95	409790	7.50	7.40	
159 3,3'-Dichlorobenzidine	252	11.051	11.051	0.000	74	481267	7.50	7.64	
160 4,4'-Methylene bis(2-chloroanil	231	11.063	11.063	0.000	93	242855	7.50	8.40	
161 Benzo[a]anthracene	228	11.063	11.063	0.000	99	1226850	7.50	8.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	11.103	11.103	0.000	98	1170003	7.50	7.82	
163 Bis(2-ethylhexyl) phthalate	149	11.156	11.156	0.000	98	734035	7.50	7.61	
164 6-Methylchrysene	242	11.640	11.640	0.000	99	760271	7.50	7.75	
165 Di-n-octyl phthalate	149	11.966	11.966	0.000	99	1069162	7.50	7.25	
167 Benzo[b]fluoranthene	252	12.386	12.386	0.000	97	1114456	7.50	7.73	
166 7,12-Dimethylbenz(a)anthracene	256	12.386	12.386	0.000	71	449709	7.50	7.59	
168 Benzo[k]fluoranthene	252	12.426	12.426	0.000	99	1231170	7.50	8.07	
169 Benzo[a]pyrene	252	12.823	12.823	0.000	77	1059549	7.50	7.89	M
* 170 Perylene-d12	264	12.899	12.899	0.000	98	600334	5.00	5.00	
171 3-Methylcholanthrene	268	13.318	13.318	0.000	91	485988	7.50	7.78	
172 Dibenz[a,h]acridine	279	14.082	14.082	0.000	91	741011	7.50	7.93	
173 Dibenz[a,j]acridine	279	14.152	14.152	0.000	96	864242	7.50	7.80	
174 Indeno[1,2,3-cd]pyrene	276	14.396	14.396	0.000	99	944593	7.50	7.67	
175 Dibenz(a,h)anthracene	278	14.443	14.443	0.000	92	969492	7.50	7.81	
176 Benzo[g,h,i]perylene	276	14.787	14.787	0.000	98	971465	7.50	7.69	
S 178 Dinitrotoluene	165				0		15.0	16.4	
S 182 Isosafrole	162				0		7.50	7.88	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_5_00053 Amount Added: 1.00 Units: mL

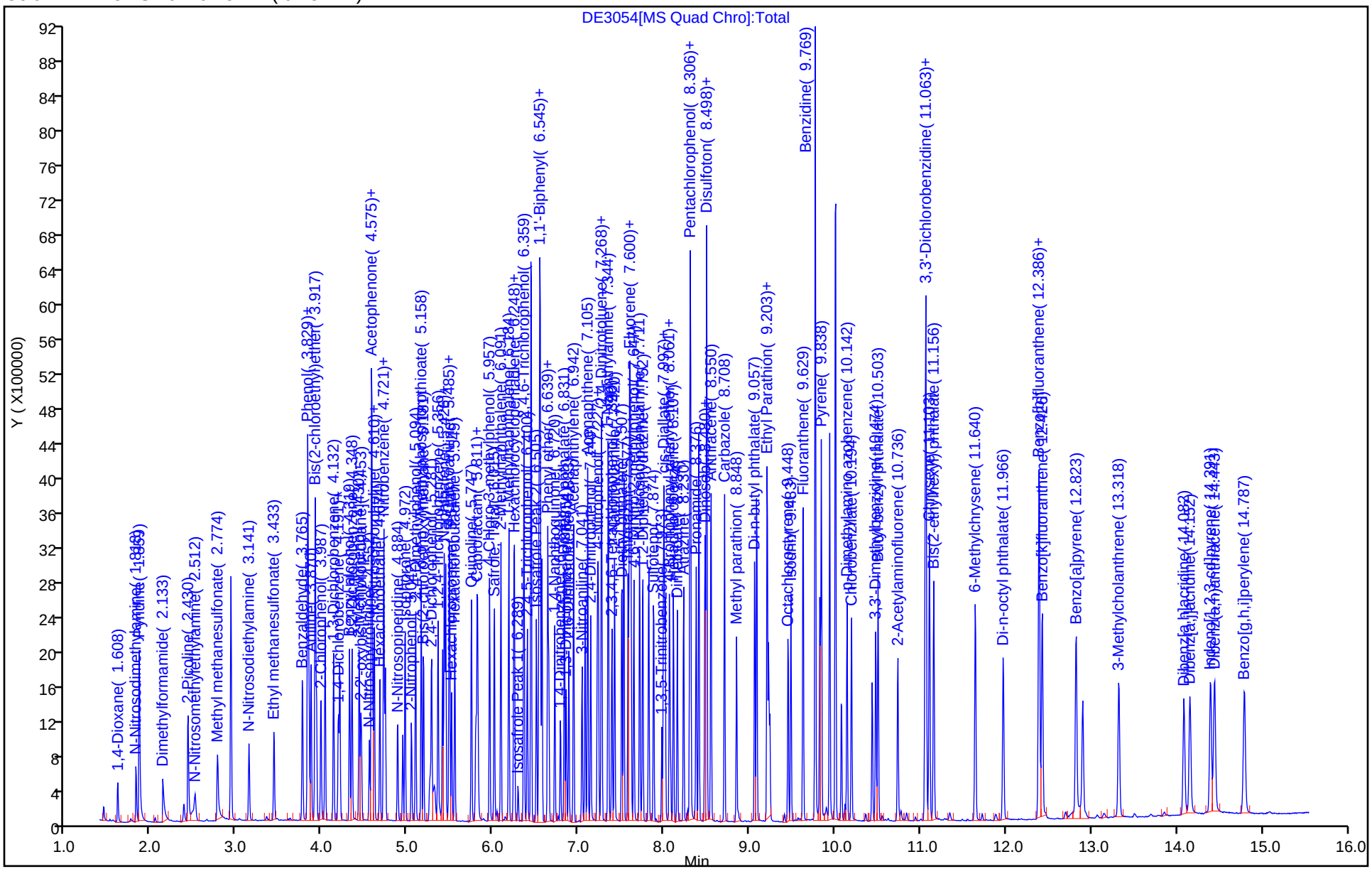
Report Date: 01-Jun-2025 12:46:00 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3054.D

Injection Date:	30-May-2025 23:34:54	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L5			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

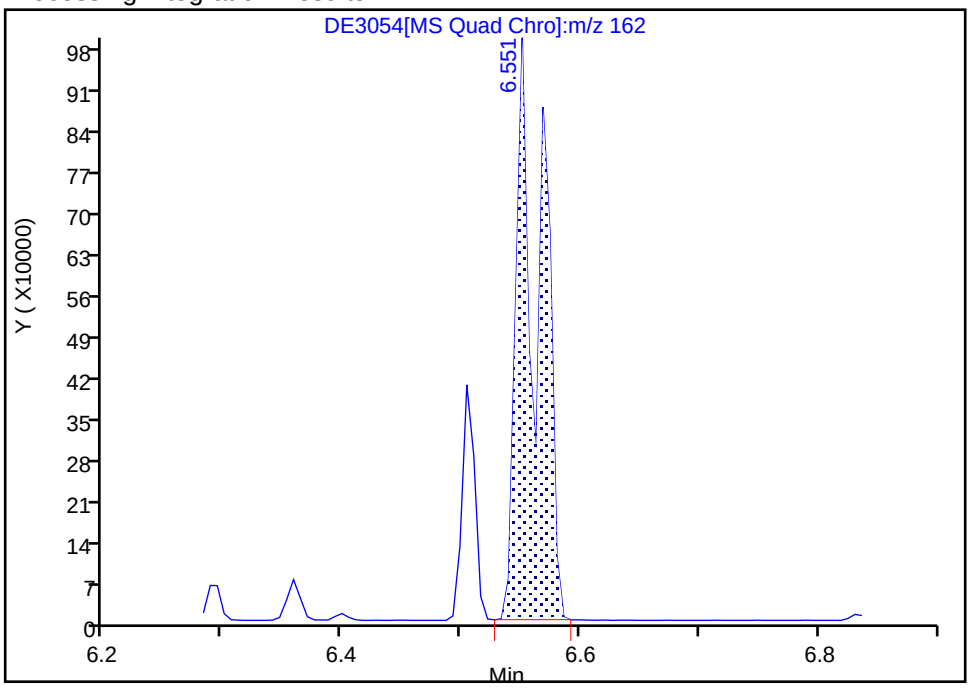
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3054.D				
Injection Date:	30-May-2025 23:34:54	Instrument ID:	HP19760		
Lims ID:	IC L5				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

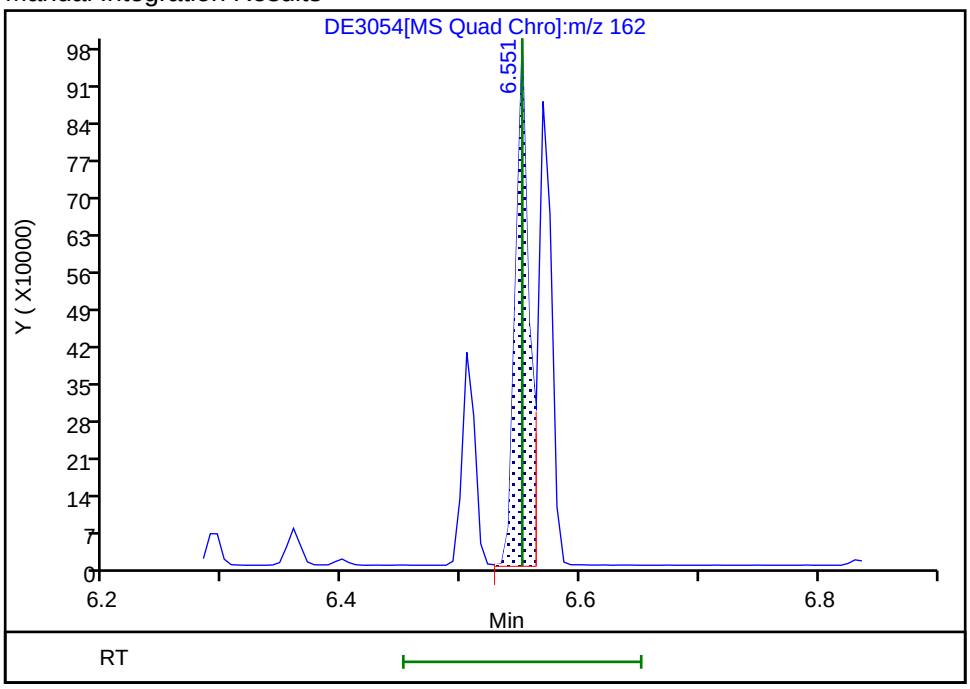
Processing Integration Results

RT: 6.55
Area: 1402883
Amount: 11.159544
Amount Units: ug/ml



Manual Integration Results

RT: 6.55
Area: 771663
Amount: 8.076771
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:19:39 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

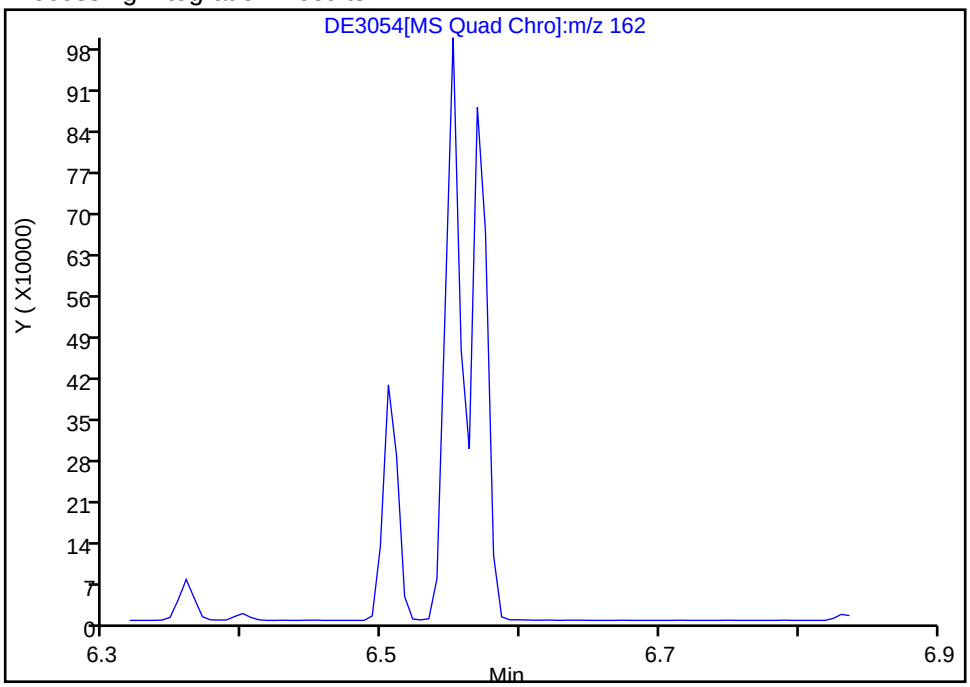
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3054.D				
Injection Date:	30-May-2025 23:34:54	Instrument ID:	HP19760		
Lims ID:	IC L5				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

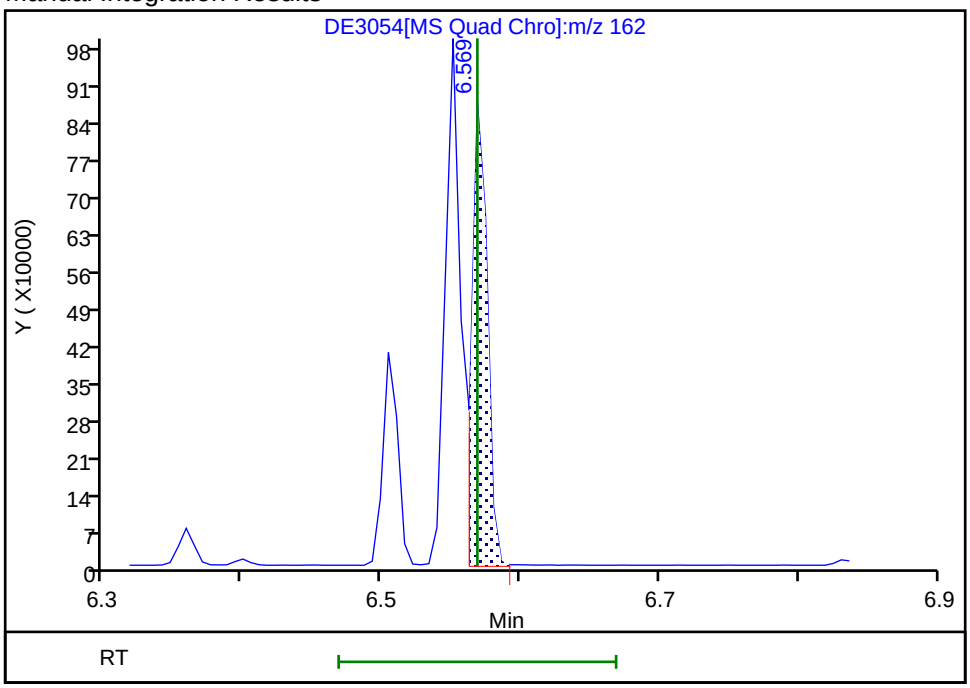
Not Detected
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57
Area: 631219
Amount: 7.270075
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:19:46 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

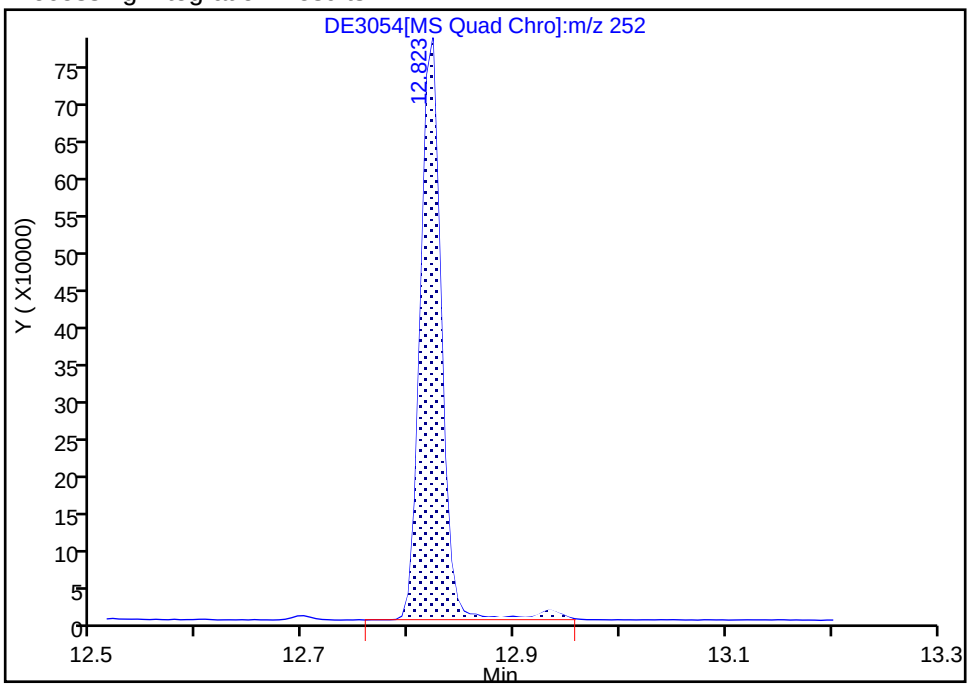
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3054.D				
Injection Date:	30-May-2025 23:34:54	Instrument ID:	HP19760		
Lims ID:	IC L5				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

169 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

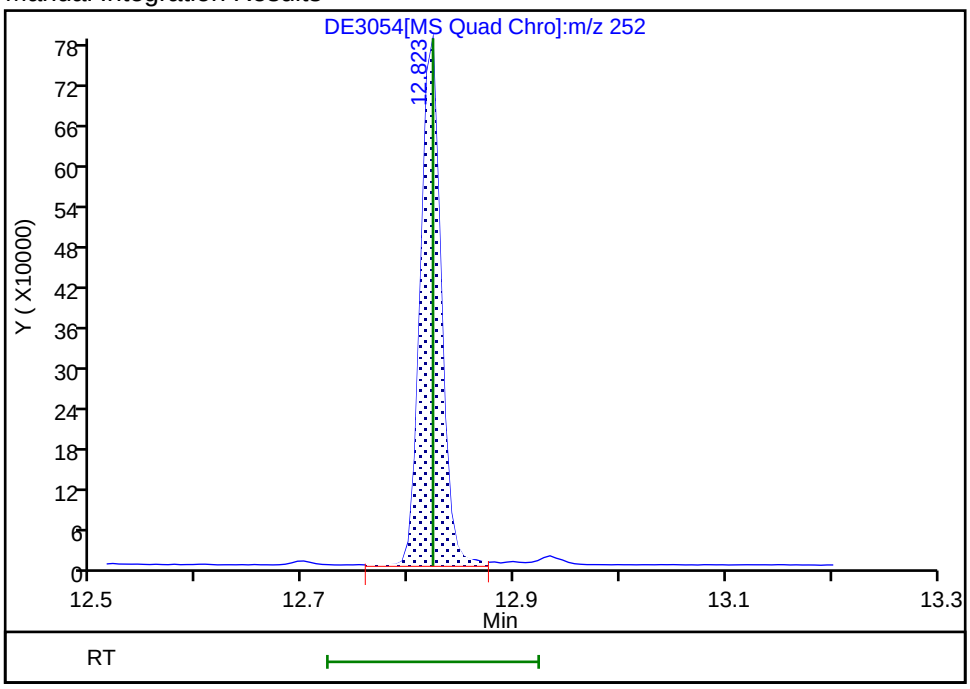
Processing Integration Results

RT: 12.82
Area: 1090816
Amount: 8.056035
Amount Units: ug/ml



Manual Integration Results

RT: 12.82
Area: 1059549
Amount: 7.891016
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:20:52 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3055.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 30-May-2025 23:56:02 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0148877-006
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub59

Method: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-Jun-2025 12:46:21 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SJ89 Date: 01-Jun-2025 11:23:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.608	1.608	0.000	98	52854	3.75	3.66	
3 N-Nitrosodimethylamine	74	1.824	1.818	0.006	94	86109	3.75	3.62	
4 Pyridine	79	1.865	1.859	0.006	97	279792	7.50	7.36	
6 Dimethylformamide	73	2.156	2.133	0.023	93	89809	3.75	3.23	
7 2-Picoline	93	2.430	2.430	0.000	90	141103	3.75	3.67	
8 N-Nitrosomethylethylamine	88	2.512	2.512	0.000	94	70342	3.75	3.75	
9 Methyl methanesulfonate	80	2.774	2.774	0.000	84	78421	3.75	3.66	
$ 10 2-Fluorophenol	112	2.932	2.932	0.000	93	244855	7.50	7.63	
11 N-Nitrosodiethylamine	102	3.141	3.141	0.000	95	62273	3.75	3.70	
12 Ethyl methanesulfonate	109	3.433	3.433	0.000	99	69085	3.75	3.73	
15 Benzaldehyde	77	3.765	3.765	0.000	95	122662	3.75	3.64	
$ 16 Phenol-d5	99	3.829	3.829	0.000	95	355670	7.50	7.59	
17 Phenol	94	3.841	3.847	-0.006	90	192810	3.75	3.90	
18 Aniline	93	3.870	3.870	0.000	96	229043	3.75	3.76	
19 Bis(2-chloroethyl)ether	93	3.928	3.934	-0.006	96	146257	3.75	3.72	
20 2-Chlorophenol	128	3.981	3.987	-0.006	94	119510	3.75	3.78	
21 1,3-Dichlorobenzene	146	4.132	4.132	0.000	95	128223	3.75	3.69	
* 22 1,4-Dichlorobenzene-d4	152	4.191	4.191	0.000	96	118945	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.202	4.202	0.000	90	131445	3.75	3.74	
25 Benzyl alcohol	108	4.319	4.319	0.000	90	86515	3.75	3.65	
26 1,2-Dichlorobenzene	146	4.348	4.348	0.000	94	129967	3.75	3.86	
28 2-Methylphenol	108	4.430	4.430	0.000	94	124580	3.75	3.81	
29 2,2'-oxybis[1-chloropropane]	45	4.453	4.453	0.000	93	184805	3.75	3.70	
31 N-Nitrosopyrrolidine	100	4.552	4.552	0.000	90	70782	3.75	3.83	
34 Acetophenone	105	4.575	4.575	0.000	88	210405	3.75	3.84	
33 N-Nitrosodi-n-propylamine	70	4.575	4.575	0.000	77	122685	3.75	3.92	
32 4-Methylphenol	108	4.581	4.581	0.000	92	145516	3.75	4.07	
35 N-Nitrosomorpholine	56	4.593	4.593	0.000	93	89716	3.75	3.81	
36 2-Toluidine	106	4.604	4.610	-0.006	94	213990	3.75	3.83	
38 Hexachloroethane	117	4.674	4.674	0.000	96	56501	3.75	3.73	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.715	4.721	-0.006	89	336488	7.50	7.54	
40 Nitrobenzene	77	4.738	4.738	0.000	87	158885	3.75	3.70	
42 N-Nitrosopiperidine	114	4.878	4.884	-0.006	84	63672	3.75	3.65	
43 Isophorone	82	4.966	4.972	-0.006	97	309599	3.75	3.76	
44 2-Nitrophenol	139	5.042	5.042	0.000	91	53875	3.75	3.47	
45 2,4-Dimethylphenol	107	5.094	5.094	0.000	97	138192	3.75	3.72	
46 o,o',o''-Triethylphosphorothioat	198	5.158	5.158	0.000	88	66336	3.75	3.66	
47 Bis(2-chloroethoxy)methane	93	5.181	5.181	0.000	99	195054	3.75	3.76	
37 alpha,alpha-Dimethyl phenethylam	58		5.274				ND	ND	U
48 2,4-Dichlorophenol	162	5.280	5.281	0.000	96	104110	3.75	3.78	
49 1,2,4-Trichlorobenzene	180	5.356	5.356	0.000	94	114222	3.75	3.69	
* 50 Naphthalene-d8	136	5.409	5.409	0.000	100	482370	5.00	5.00	
51 Naphthalene	128	5.426	5.426	0.000	97	380871	3.75	3.70	
52 Alpha-Terpineol	59	5.444	5.444	0.000	93	125613	3.75	3.65	
53 4-Chloroaniline	127	5.484	5.485	0.000	94	167377	3.75	3.93	
54 2,6-Dichlorophenol	162	5.490	5.490	0.000	95	104452	3.75	3.72	
55 Hexachloropropene	213	5.514	5.514	0.000	90	66372	3.75	3.64	
56 Hexachlorobutadiene	225	5.549	5.549	0.000	97	68083	3.75	3.68	
60 Quinoline	129	5.747	5.747	0.000	95	245346	3.75	3.67	
61 Caprolactam	113	5.788	5.799	-0.011	81	40991	3.75	3.86	
62 N-Nitrosodi-n-butylamine	84	5.811	5.811	0.000	92	119493	3.75	3.20	
63 p-Phenylene diamine	108	5.817	5.823	-0.006	94	127297	3.75	3.49	
64 4-Chloro-3-methylphenol	107	5.957	5.957	0.000	94	126192	3.75	3.74	
65 Safrole, Total	162	6.015	6.015	0.000	86	95481	3.75	3.66	
66 2-Methylnaphthalene	142	6.091	6.091	0.000	89	227666	3.75	3.74	
67 1-Methylnaphthalene	142	6.184	6.184	0.000	92	243541	3.75	3.74	
68 Hexachlorocyclopentadiene	237	6.242	6.242	0.000	96	71444	3.75	3.26	
69 1,2,4,5-Tetrachlorobenzene	216	6.248	6.248	0.000	98	131336	3.75	3.66	
70 Isosafrole Peak 1	162	6.289	6.289	0.000	84	16776	0.6000	0.5724	
71 2,4,6-Trichlorophenol	196	6.359	6.359	0.000	94	81613	3.75	3.80	
72 2,4,5-Trichlorophenol	196	6.400	6.400	0.000	94	92440	3.75	3.83	
$ 73 2-Fluorobiphenyl (Surr)	172	6.440	6.446	-0.006	99	621422	7.50	7.63	
74 Isosafrole Peak 2	162	6.505	6.505	0.000	89	98831	3.15	3.08	
75 1,1'-Biphenyl	154	6.534	6.534	0.000	94	332614	3.75	3.77	
76 2-Chloronaphthalene	162	6.551	6.551	0.000	93	236754	3.75	3.50	
77 1-Chloronaphthalene	162	6.569	6.569	0.000	98	251671	3.75	4.09	
78 Phenyl ether	170	6.639	6.639	0.000	87	193016	3.75	3.74	
79 2-Nitroaniline	138	6.650	6.650	0.000	76	69647	3.75	3.37	
81 1,4-Naphthoquinone	158	6.720	6.720	0.000	84	90381	3.75	3.55	
84 1,4-Dinitrobenzene	168	6.784	6.790	-0.006	86	32121	3.75	3.31	
85 Dimethyl phthalate	163	6.831	6.831	0.000	98	301252	3.75	3.84	
86 1,3-Dinitrobenzene	168	6.854	6.854	0.000	83	39970	3.75	3.35	
87 2,6-Dinitrotoluene	165	6.883	6.883	0.000	88	60384	3.75	3.84	
88 Acenaphthylene	152	6.942	6.942	0.000	99	409928	3.75	3.84	
89 3-Nitroaniline	138	7.041	7.041	0.000	87	69080	3.75	3.65	
* 90 Acenaphthene-d10	164	7.076	7.076	0.000	96	292865	5.00	5.00	
91 Acenaphthene	153	7.105	7.105	0.000	97	269535	3.75	3.79	
92 2,4-Dinitrophenol	184	7.140	7.140	0.000	85	92944	11.3	9.82	
93 4-Nitrophenol	109	7.216	7.221	-0.005	84	89613	7.50	7.63	
94 Pentachlorobenzene	250	7.227	7.233	-0.006	97	114129	3.75	3.67	
95 2,4-Dinitrotoluene	165	7.262	7.262	0.000	88	85551	3.75	3.86	
96 Dibenzofuran	168	7.268	7.268	0.000	97	391025	3.75	3.84	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
97 1-Naphthylamine	143	7.344	7.344	0.000	99	255236	3.75	3.88	
98 2,3,4,6-Tetrachlorophenol	232	7.390	7.390	0.000	73	77871	3.75	3.80	
99 2-Naphthylamine	143	7.420	7.420	0.000	96	276192	3.75	3.93	
100 Diethyl phthalate	149	7.501	7.507	-0.006	97	314567	3.75	3.92	
101 Thionazin	107	7.577	7.577	0.000	78	53472	3.75	3.76	
102 Fluorene	166	7.594	7.594	0.000	93	323870	3.75	3.94	
103 4-Chlorophenyl phenyl ether	204	7.600	7.600	0.000	91	155762	3.75	3.88	
104 N-Nitro-o-toluidine	152	7.606	7.606	0.000	90	75852	3.75	3.78	
105 4-Nitroaniline	138	7.612	7.612	0.000	83	77400	3.75	4.16	
106 4,6-Dinitro-2-methylphenol	198	7.647	7.647	0.000	79	91285	7.50	6.25	
107 N-Nitrosodiphenylamine	169	7.711	7.711	0.000	63	227650	3.19	3.17	
108 1,2-Diphenylhydrazine	77	7.746	7.752	-0.006	41	383979	3.75	3.60	
$ 109 2,4,6-Tribromophenol	330	7.822	7.822	0.000	91	91851	7.50	7.93	
110 Sulfotepp	97	7.874	7.874	0.000	78	60908	3.75	3.49	
112 1,3,5-Trinitrobenzene	213	7.973	7.973	0.000	83	24907	3.75	3.01	
113 cis-Diallate	86	7.991	7.991	0.000	0	116384	2.78	2.51	
114 Phorate	75	7.997	7.997	0.000	95	227689	3.75	3.58	
115 Phenacetin	108	8.008	8.014	-0.006	89	154227	3.75	3.64	
116 4-Bromophenyl phenyl ether	248	8.061	8.061	0.000	68	89071	3.75	3.52	
117 trans-Diallate	86	8.072	8.072	0.000	0	42761	0.9750	0.9608	
118 Hexachlorobenzene	284	8.107	8.107	0.000	94	99986	3.75	3.66	
119 Dimethoate	87	8.154	8.154	0.000	97	142631	3.75	3.67	
120 Atrazine	200	8.224	8.230	-0.006	90	90845	3.75	3.93	
121 Pentachlorophenol	266	8.300	8.300	0.000	91	112841	7.50	6.84	
122 4-Aminobiphenyl	169	8.306	8.306	0.000	91	340546	3.75	3.65	
123 Pentachloronitrobenzene	237	8.311	8.311	0.000	87	38644	3.75	3.52	
124 Pronamide	173	8.375	8.376	-0.001	90	128668	3.75	3.63	
* 126 Phenanthrene-d10	188	8.475	8.475	0.000	97	602481	5.00	5.00	
125 Dinoseb	211	8.486	8.486	0.000	94	56488	3.75	3.24	
127 Disulfoton	88	8.498	8.498	0.000	93	224121	3.75	3.75	
128 Phenanthrene	178	8.498	8.498	0.000	98	473092	3.75	3.63	
129 Anthracene	178	8.545	8.550	-0.005	98	478026	3.75	3.75	
130 Carbazole	167	8.708	8.708	0.000	96	438612	3.75	3.79	
131 Methyl parathion	109	8.848	8.848	0.000	90	93579	3.75	3.31	
133 Di-n-butyl phthalate	149	9.057	9.057	0.000	100	469054	3.75	3.81	
134 Ethyl Parathion	109	9.221	9.221	0.000	83	55415	3.75	3.26	
135 4-Nitroquinoline-1-oxide	190	9.238	9.238	0.000	76	20662	3.75	3.10	
140 Octachlorostyrene	308	9.448	9.454	-0.006	93	35692	3.75	3.48	
141 Isodrin	193	9.483	9.483	0.000	93	55133	3.75	3.70	
143 Fluoranthene	202	9.623	9.629	-0.006	98	521341	3.75	3.83	
S 136 Diallate	86				0		3.75	3.47	
147 Benzidine	184	9.769	9.769	0.000	100	990847	11.3	10.9	
* 149 Pyrene-d10 (IS)	212	9.821	9.821	0.000	99	620400	5.00	5.00	
150 Pyrene	202	9.838	9.838	0.000	97	564730	3.75	3.66	
$ 152 p-Terphenyl-d14	244	10.002	10.008	-0.006	100	743785	7.50	7.68	
154 p-Dimethylamino azobenzene	225	10.142	10.142	0.000	94	80941	3.75	3.49	
155 Chlorobenzilate	139	10.194	10.194	0.000	90	139099	3.75	3.79	
151 Famphur	218		10.467				ND	ND	U
156 3,3'-Dimethylbenzidine	212	10.474	10.474	0.000	99	259438	3.75	3.89	
157 Butyl benzyl phthalate	149	10.503	10.503	0.000	96	202140	3.75	3.70	
158 2-Acetylaminofluorene	181	10.730	10.736	-0.006	94	133654	3.75	3.00	
159 3,3'-Dichlorobenzidine	252	11.051	11.051	0.000	76	186054	3.75	3.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
160 4,4'-Methylene bis(2-chloroanil	231	11.062	11.063	0.000	64	88725	3.75	3.82	
161 Benzo[a]anthracene	228	11.062	11.063	0.000	99	480740	3.75	3.91	
162 Chrysene	228	11.103	11.103	0.000	98	472650	3.75	3.93	
163 Bis(2-ethylhexyl) phthalate	149	11.156	11.156	0.000	98	274837	3.75	3.55	
164 6-Methylchrysene	242	11.640	11.640	0.000	99	298314	3.75	3.79	
165 Di-n-octyl phthalate	149	11.966	11.966	0.000	99	364323	3.75	3.29	
167 Benzo[b]fluoranthene	252	12.386	12.386	0.000	97	448857	3.75	3.73	
166 7,12-Dimethylbenz(a)anthracene	256	12.386	12.386	0.000	69	170239	3.75	3.45	
168 Benzo[k]fluoranthene	252	12.421	12.426	-0.005	99	477765	3.75	3.75	
169 Benzo[a]pyrene	252	12.823	12.823	0.000	77	419415	3.75	3.75	M
* 170 Perylene-d12	264	12.899	12.899	0.000	98	500675	5.00	5.00	
171 3-Methylcholanthrene	268	13.318	13.318	0.000	91	180093	3.75	3.46	
172 Dibenz[a,h]acridine	279	14.082	14.082	0.000	91	274271	3.75	3.52	
173 Dibenz[a,j]acridine	279	14.152	14.152	0.000	96	328161	3.75	3.55	
174 Indeno[1,2,3-cd]pyrene	276	14.391	14.396	-0.005	99	366553	3.75	3.57	
175 Dibenz(a,h)anthracene	278	14.437	14.443	-0.006	93	379171	3.75	3.66	
176 Benzo[g,h,i]perylene	276	14.787	14.787	0.000	98	389960	3.75	3.70	
S 177 Aramite, Total	185		44.000				3.75	ND	
S 178 Dinitrotoluene	165				0		7.50	7.70	
S 182 Isosafrole	162				0		3.75	3.65	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSS_RV8270_4_00040 Amount Added: 1.00 Units: mL

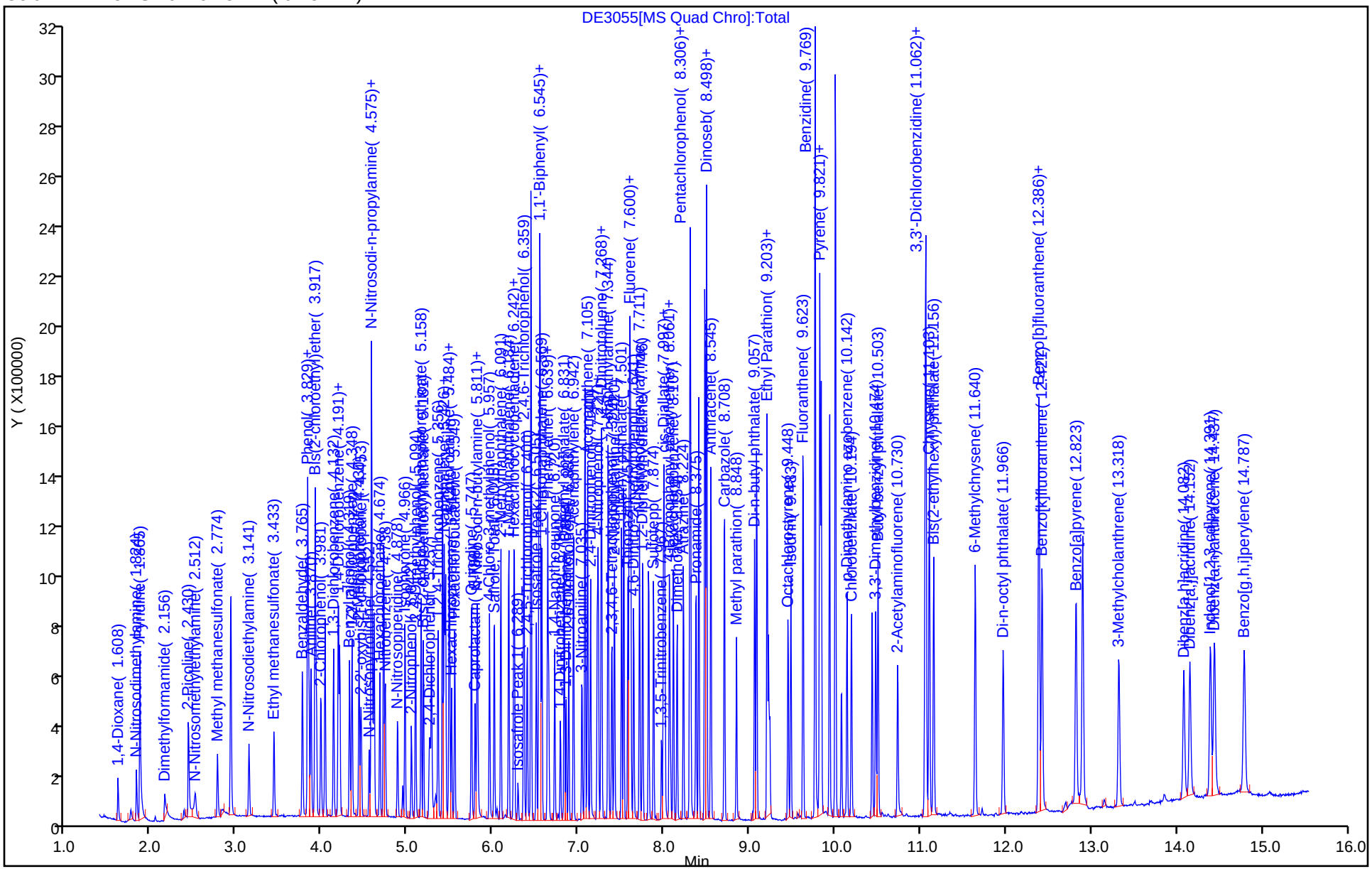
Report Date: 01-Jun-2025 12:46:22 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3055.D

Injection Date:	30-May-2025 23:56:02	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L4			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

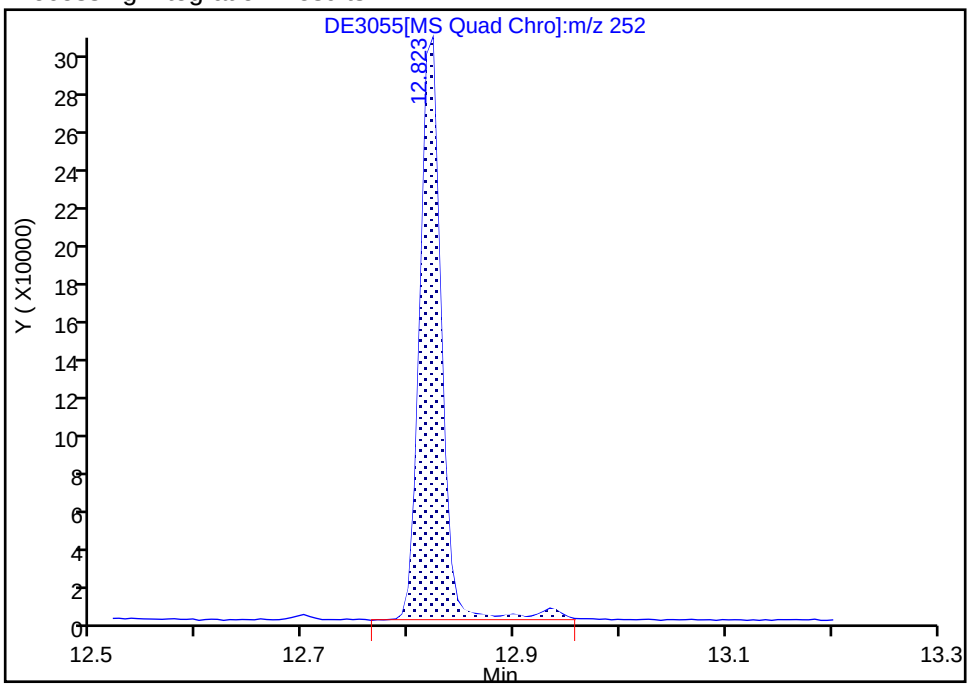
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3055.D				
Injection Date:	30-May-2025 23:56:02	Instrument ID:	HP19760		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

169 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

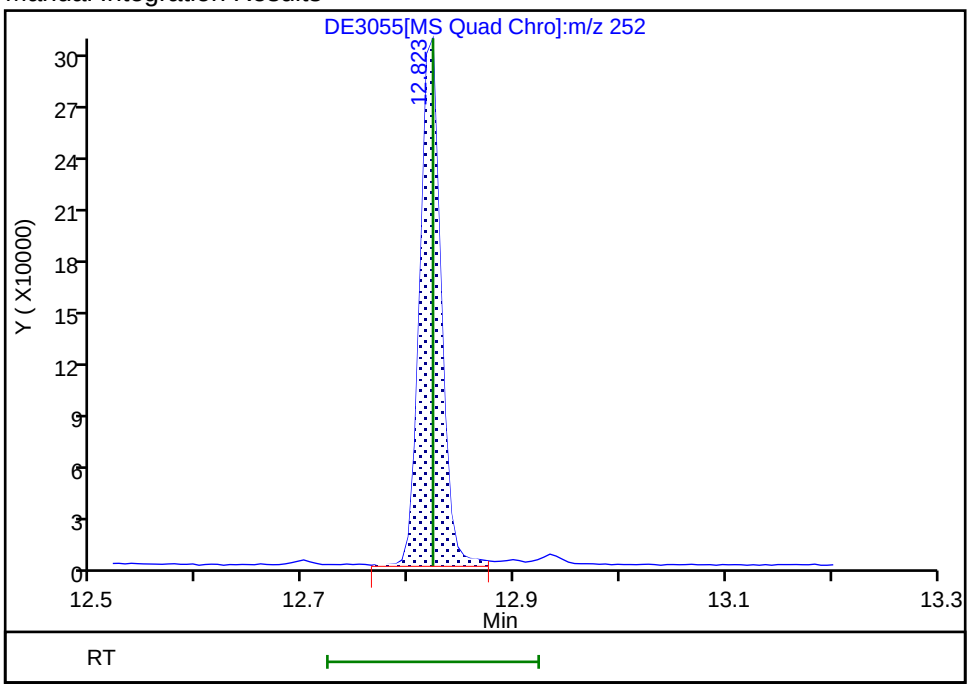
Processing Integration Results

RT: 12.82
Area: 434668
Amount: 3.864019
Amount Units: ug/ml



Manual Integration Results

RT: 12.82
Area: 419415
Amount: 3.745354
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:23:02 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3056.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 31-May-2025 00:17:22 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0148877-007
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub59

Method: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-Jun-2025 12:46:42 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SJ89 Date: 01-Jun-2025 11:25:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.614	1.608	0.006	94	19412	1.25	1.28	
3 N-Nitrosodimethylamine	74	1.830	1.818	0.012	94	30003	1.25	1.20	
4 Pyridine	79	1.876	1.859	0.017	97	99451	2.50	2.50	
6 Dimethylformamide	73	2.191	2.133	0.058	89	34670	1.25	1.19	M
7 2-Picoline	93	2.442	2.430	0.012	90	45438	1.25	1.13	
8 N-Nitrosomethylethylamine	88	2.518	2.512	0.006	94	29489	1.25	1.50	
9 Methyl methanesulfonate	80	2.780	2.774	0.006	85	26995	1.25	1.20	
$ 10 2-Fluorophenol	112	2.931	2.932	-0.001	93	81872	2.50	2.44	
11 N-Nitrosodiethylamine	102	3.147	3.141	0.006	95	20360	1.25	1.16	
12 Ethyl methanesulfonate	109	3.439	3.433	0.006	97	23495	1.25	1.21	
15 Benzaldehyde	77	3.771	3.765	0.006	94	44362	1.25	1.26	
$ 16 Phenol-d5	99	3.835	3.829	0.006	96	115416	2.50	2.35	
17 Phenol	94	3.847	3.847	0.000	93	64388	1.25	1.24	
18 Aniline	93	3.870	3.870	0.000	96	77733	1.25	1.22	
19 Bis(2-chloroethyl)ether	93	3.934	3.934	0.000	98	50063	1.25	1.22	
20 2-Chlorophenol	128	3.986	3.987	-0.001	93	39928	1.25	1.20	
21 1,3-Dichlorobenzene	146	4.132	4.132	0.000	94	45152	1.25	1.24	
* 22 1,4-Dichlorobenzene-d4	152	4.190	4.191	-0.001	97	124595	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.208	4.202	0.006	95	46850	1.25	1.27	
25 Benzyl alcohol	108	4.319	4.319	0.000	90	28422	1.25	1.14	
26 1,2-Dichlorobenzene	146	4.348	4.348	0.000	93	43742	1.25	1.24	
28 2-Methylphenol	108	4.429	4.430	-0.001	94	42706	1.25	1.25	
29 2,2'-oxybis[1-chloropropane]	45	4.453	4.453	0.000	92	62491	1.25	1.20	
31 N-Nitrosopyrrolidine	100	4.552	4.552	0.000	88	22577	1.25	1.17	
34 Acetophenone	105	4.575	4.575	0.000	96	71756	1.25	1.25	
33 N-Nitrosodi-n-propylamine	70	4.575	4.575	0.000	74	39769	1.25	1.21	
32 4-Methylphenol	108	4.581	4.581	0.000	93	46738	1.25	1.25	
35 N-Nitrosomorpholine	56	4.593	4.593	0.000	90	30581	1.25	1.24	
36 2-Toluidine	106	4.610	4.610	0.000	93	72082	1.25	1.23	
38 Hexachloroethane	117	4.674	4.674	0.000	96	19712	1.25	1.24	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.721	4.721	0.000	88	113436	2.50	2.46	
40 Nitrobenzene	77	4.738	4.738	0.000	89	53005	1.25	1.19	
42 N-Nitrosopiperidine	114	4.884	4.884	0.000	84	22359	1.25	1.24	
43 Isophorone	82	4.971	4.972	-0.001	97	103110	1.25	1.21	
44 2-Nitrophenol	139	5.047	5.042	0.005	90	17054	1.25	1.06	
45 2,4-Dimethylphenol	107	5.094	5.094	0.000	97	47266	1.25	1.23	
46 o,o',o''-Triethylphosphorothioat	198	5.158	5.158	0.000	88	22794	1.25	1.22	
47 Bis(2-chloroethoxy)methane	93	5.187	5.181	0.006	97	68239	1.25	1.27	
37 alpha,alpha-Dimethyl phenethylam	58		5.274				ND	ND	U
48 2,4-Dichlorophenol	162	5.280	5.281	0.000	96	33640	1.25	1.18	
49 1,2,4-Trichlorobenzene	180	5.356	5.356	0.000	94	39193	1.25	1.23	
* 50 Naphthalene-d8	136	5.409	5.409	0.000	100	497933	5.00	5.00	
51 Naphthalene	128	5.426	5.426	0.000	97	133701	1.25	1.26	
52 Alpha-Terpineol	59	5.444	5.444	0.000	93	42305	1.25	1.19	
53 4-Chloroaniline	127	5.484	5.485	0.000	93	55336	1.25	1.26	
54 2,6-Dichlorophenol	162	5.490	5.490	0.000	93	36872	1.25	1.27	
55 Hexachloropropene	213	5.514	5.514	0.000	90	21102	1.25	1.12	
56 Hexachlorobutadiene	225	5.554	5.549	0.005	94	23651	1.25	1.24	
60 Quinoline	129	5.747	5.747	0.000	96	84416	1.25	1.22	
61 Caprolactam	113	5.787	5.799	-0.012	79	12979	1.25	1.18	
62 N-Nitrosodi-n-butylamine	84	5.811	5.811	0.000	91	41797	1.25	1.08	
63 p-Phenylene diamine	108	5.822	5.823	-0.001	96	34102	1.25	0.9050	
64 4-Chloro-3-methylphenol	107	5.957	5.957	-0.001	93	42640	1.25	1.22	
65 Safrole, Total	162	6.015	6.015	0.000	86	31799	1.25	1.18	
66 2-Methylnaphthalene	142	6.091	6.091	0.000	91	81830	1.25	1.30	
67 1-Methylnaphthalene	142	6.184	6.184	0.000	93	83517	1.25	1.24	
68 Hexachlorocyclopentadiene	237	6.242	6.242	0.000	95	22450	1.25	0.9716	
69 1,2,4,5-Tetrachlorobenzene	216	6.248	6.248	0.000	98	45566	1.25	1.20	
70 Isosafrole Peak 1	162	6.295	6.289	0.006	90	5768	0.2000	0.1866	
71 2,4,6-Trichlorophenol	196	6.365	6.359	0.005	90	26255	1.25	1.16	
72 2,4,5-Trichlorophenol	196	6.399	6.400	-0.001	92	29151	1.25	1.14	
$ 73 2-Fluorobiphenyl (Surr)	172	6.446	6.446	0.000	99	216422	2.50	2.52	
74 Isosafrole Peak 2	162	6.510	6.505	0.006	87	31725	1.05	0.9374	
75 1,1'-Biphenyl	154	6.539	6.534	0.005	95	118000	1.25	1.27	
76 2-Chloronaphthalene	162	6.551	6.551	0.000	96	92703	1.25	1.30	M
77 1-Chloronaphthalene	162	6.569	6.569	-0.001	98	77912	1.25	1.20	Ma
78 Phenyl ether	170	6.638	6.639	-0.001	87	66370	1.25	1.22	
79 2-Nitroaniline	138	6.650	6.650	0.000	77	22417	1.25	1.03	
81 1,4-Naphthoquinone	158	6.720	6.720	0.000	84	27908	1.25	1.04	
84 1,4-Dinitrobenzene	168	6.790	6.790	0.000	88	9215	1.25	0.9006	
85 Dimethyl phthalate	163	6.831	6.831	0.000	98	106912	1.25	1.29	
86 1,3-Dinitrobenzene	168	6.854	6.854	0.000	82	11736	1.25	0.9315	
87 2,6-Dinitrotoluene	165	6.883	6.883	0.000	83	17138	1.25	1.03	
88 Acenaphthylene	152	6.942	6.942	0.000	99	137352	1.25	1.22	
89 3-Nitroaniline	138	7.041	7.041	0.000	87	20397	1.25	1.02	
* 90 Acenaphthene-d10	164	7.076	7.076	0.000	96	308820	5.00	5.00	
91 Acenaphthene	153	7.105	7.105	0.000	97	93681	1.25	1.25	
92 2,4-Dinitrophenol	184	7.140	7.140	0.000	83	33028	5.00	3.31	
93 4-Nitrophenol	109	7.221	7.221	0.000	84	41299	3.75	3.33	
94 Pentachlorobenzene	250	7.233	7.233	0.000	97	41442	1.25	1.26	
95 2,4-Dinitrotoluene	165	7.262	7.262	0.000	85	26677	1.25	1.14	
96 Dibenzofuran	168	7.268	7.268	0.000	96	137142	1.25	1.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
97 1-Naphthylamine	143	7.344	7.344	0.000	98	81995	1.25	1.18	
98 2,3,4,6-Tetrachlorophenol	232	7.390	7.390	0.000	74	24673	1.25	1.14	
99 2-Naphthylamine	143	7.419	7.420	-0.001	95	88930	1.25	1.20	
100 Diethyl phthalate	149	7.501	7.507	-0.006	97	106462	1.25	1.26	
101 Thionazin	107	7.577	7.577	0.000	79	16492	1.25	1.10	
102 Fluorene	166	7.594	7.594	0.000	92	107709	1.25	1.24	
103 4-Chlorophenyl phenyl ether	204	7.600	7.600	0.000	92	55270	1.25	1.30	
104 N-Nitro-o-toluidine	152	7.606	7.606	0.000	90	24445	1.25	1.15	
105 4-Nitroaniline	138	7.612	7.612	0.000	78	23774	1.25	1.21	
106 4,6-Dinitro-2-methylphenol	198	7.647	7.647	0.000	79	39532	3.75	2.60	
107 N-Nitrosodiphenylamine	169	7.711	7.711	0.000	63	75465	1.06	1.01	
108 1,2-Diphenylhydrazine	77	7.752	7.752	0.000	41	132080	1.25	1.19	
$ 109 2,4,6-Tribromophenol	330	7.822	7.822	0.000	91	31005	2.50	2.54	
110 Sulfotepp	97	7.874	7.874	0.000	77	19983	1.25	1.10	
112 1,3,5-Trinitrobenzene	213	7.973	7.973	0.000	82	6439	1.25	0.7483	
113 cis-Diallate	86	7.991	7.991	0.000	0	40490	0.9250	0.8418	
114 Phorate	75	7.997	7.997	0.000	95	72031	1.25	1.09	
115 Phenacetin	108	8.008	8.014	-0.006	87	46809	1.25	1.06	
116 4-Bromophenyl phenyl ether	248	8.066	8.061	0.005	67	32147	1.25	1.22	
117 trans-Diallate	86	8.072	8.072	0.000	0	13570	0.3250	0.2935	
118 Hexachlorobenzene	284	8.107	8.107	0.000	94	34988	1.25	1.23	
119 Dimethoate	87	8.154	8.154	0.000	97	44656	1.25	1.10	
120 Atrazine	200	8.230	8.230	0.000	92	30356	1.25	1.26	
121 Pentachlorophenol	266	8.300	8.300	0.000	90	31868	2.50	2.29	
122 4-Aminobiphenyl	169	8.305	8.306	-0.001	91	112688	1.25	1.16	
123 Pentachloronitrobenzene	237	8.311	8.311	0.000	83	11917	1.25	1.05	
124 Pronamide	173	8.375	8.376	-0.001	90	40551	1.25	1.10	
* 126 Phenanthrene-d10	188	8.474	8.475	-0.001	97	625986	5.00	5.00	
125 Dinoseb	211	8.486	8.486	0.000	93	15580	1.25	1.30	
127 Disulfoton	88	8.498	8.498	0.000	92	73512	1.25	1.18	a
128 Phenanthrene	178	8.498	8.498	0.000	98	167410	1.25	1.24	
129 Anthracene	178	8.550	8.550	0.000	98	161500	1.25	1.22	
130 Carbazole	167	8.708	8.708	0.000	96	147224	1.25	1.22	
131 Methyl parathion	109	8.848	8.848	0.000	92	25695	1.25	0.8756	
133 Di-n-butyl phthalate	149	9.057	9.057	0.000	100	146108	1.25	1.14	
134 Ethyl Parathion	109	9.221	9.221	0.000	82	15381	1.25	0.8720	
135 4-Nitroquinoline-1-oxide	190	9.238	9.238	0.000	75	5121	1.25	1.50	
140 Octachlorostyrene	308	9.454	9.454	0.000	89	14007	1.25	1.32	
141 Isodrin	193	9.483	9.483	0.000	93	18517	1.25	1.19	
143 Fluoranthene	202	9.629	9.629	0.000	98	172370	1.25	1.22	
S 136 Diallate	86				0		1.25	1.14	
147 Benzidine	184	9.768	9.769	-0.001	100	289899	3.75	3.11	
* 149 Pyrene-d10 (IS)	212	9.821	9.821	0.000	99	637500	5.00	5.00	
150 Pyrene	202	9.838	9.838	0.000	98	198070	1.25	1.25	
$ 152 p-Terphenyl-d14	244	10.002	10.008	-0.006	100	258860	2.50	2.60	
154 p-Dimethylamino azobenzene	225	10.141	10.142	-0.001	94	22988	1.25	0.9637	
155 Chlorobenzilate	139	10.194	10.194	0.000	87	42994	1.25	1.14	
151 Famphur	218		10.467				ND	ND	U
156 3,3'-Dimethylbenzidine	212	10.474	10.474	0.000	99	77027	1.25	1.13	
157 Butyl benzyl phthalate	149	10.503	10.503	0.000	97	60177	1.25	1.07	
158 2-Acetylaminofluorene	181	10.730	10.736	-0.006	94	35089	1.25	0.7672	
159 3,3'-Dichlorobenzidine	252	11.051	11.051	0.000	76	54577	1.25	1.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
160 4,4'-Methylene bis(2-chloroanil	231	11.062	11.063	0.000	64	28090	1.25	1.18	
161 Benzo[a]anthracene	228	11.062	11.063	0.000	99	155517	1.25	1.23	
162 Chrysene	228	11.103	11.103	0.000	97	158298	1.25	1.28	
163 Bis(2-ethylhexyl) phthalate	149	11.156	11.156	0.000	97	75818	1.25	0.9519	
164 6-Methylchrysene	242	11.639	11.640	-0.001	99	97207	1.25	1.20	
165 Di-n-octyl phthalate	149	11.966	11.966	0.000	99	99310	1.25	1.30	
167 Benzo[b]fluoranthene	252	12.385	12.386	-0.001	97	144981	1.25	1.20	
166 7,12-Dimethylbenz(a)anthracene	256	12.385	12.386	-0.001	66	48533	1.25	0.9790	
168 Benzo[k]fluoranthene	252	12.420	12.426	-0.006	99	153019	1.25	1.20	
169 Benzo[a]pyrene	252	12.823	12.823	0.000	78	126415	1.25	1.12	
* 170 Perylene-d12	264	12.898	12.899	-0.001	98	502471	5.00	5.00	
171 3-Methylcholanthrene	268	13.324	13.318	0.006	90	53681	1.25	1.03	
172 Dibenz[a,h]acridine	279	14.082	14.082	0.000	90	83381	1.25	1.07	
173 Dibenz[a,j]acridine	279	14.152	14.152	0.000	96	102021	1.25	1.10	
174 Indeno[1,2,3-cd]pyrene	276	14.396	14.396	0.000	99	122495	1.25	1.19	
175 Dibenz(a,h)anthracene	278	14.443	14.443	0.000	92	124808	1.25	1.20	
176 Benzo[g,h,i]perylene	276	14.793	14.787	0.006	98	129479	1.25	1.22	
S 177 Aramite, Total	185		44.000				1.25	ND	
S 178 Dinitrotoluene	165				0		2.50	2.18	
S 182 Isosafrole	162				0		1.25	1.12	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_3_00041 Amount Added: 1.00 Units: mL

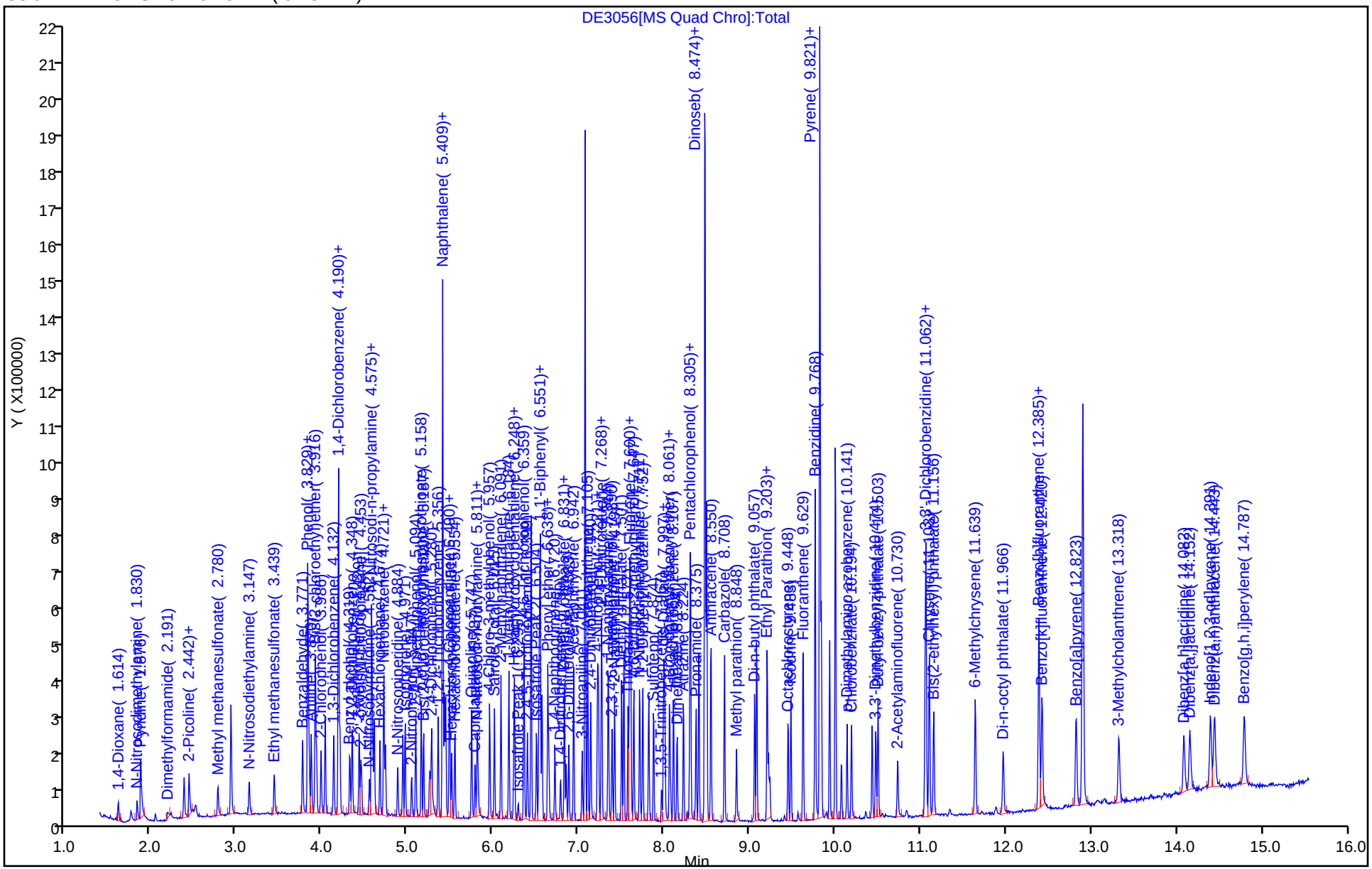
Report Date: 01-Jun-2025 12:46:42 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3056.D

Injection Date:	31-May-2025 00:17:22	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L3			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

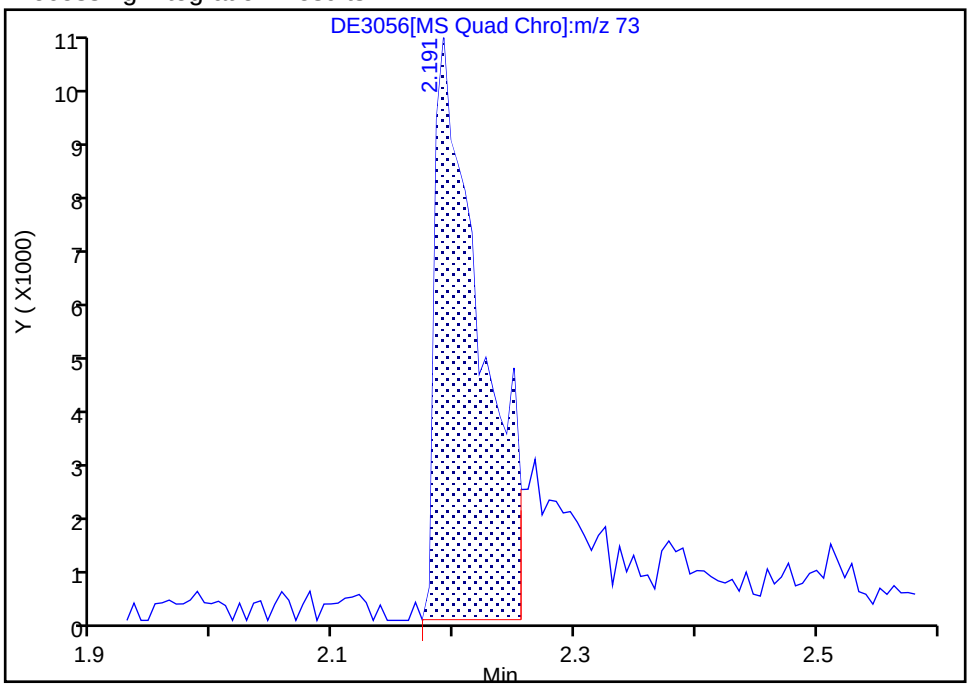
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3056.D				
Injection Date:	31-May-2025 00:17:22	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Dimethylformamide, CAS: 68-12-2

Signal: 1

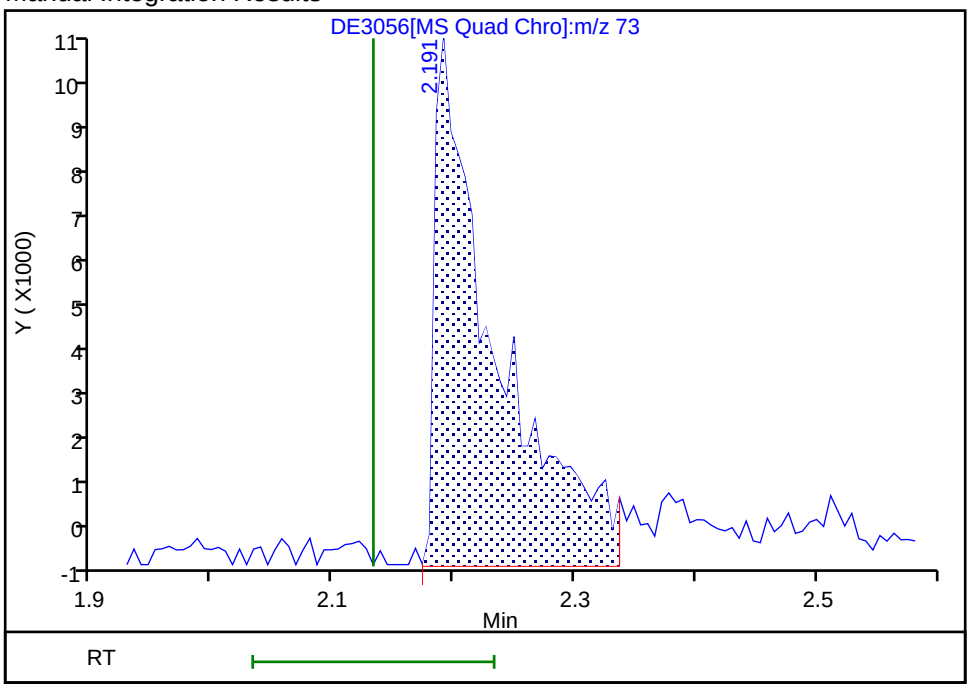
Processing Integration Results

RT: 2.19
Area: 25987
Amount: 1.179234
Amount Units: ug/ml



Manual Integration Results

RT: 2.19
Area: 34670
Amount: 1.190914
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:23:59 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

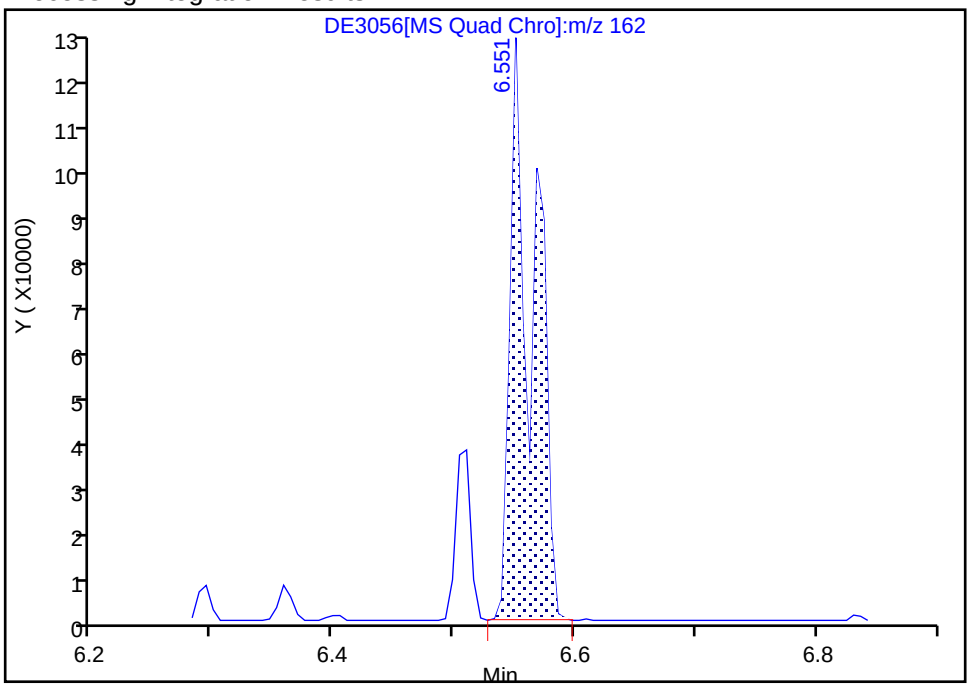
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3056.D				
Injection Date:	31-May-2025 00:17:22	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

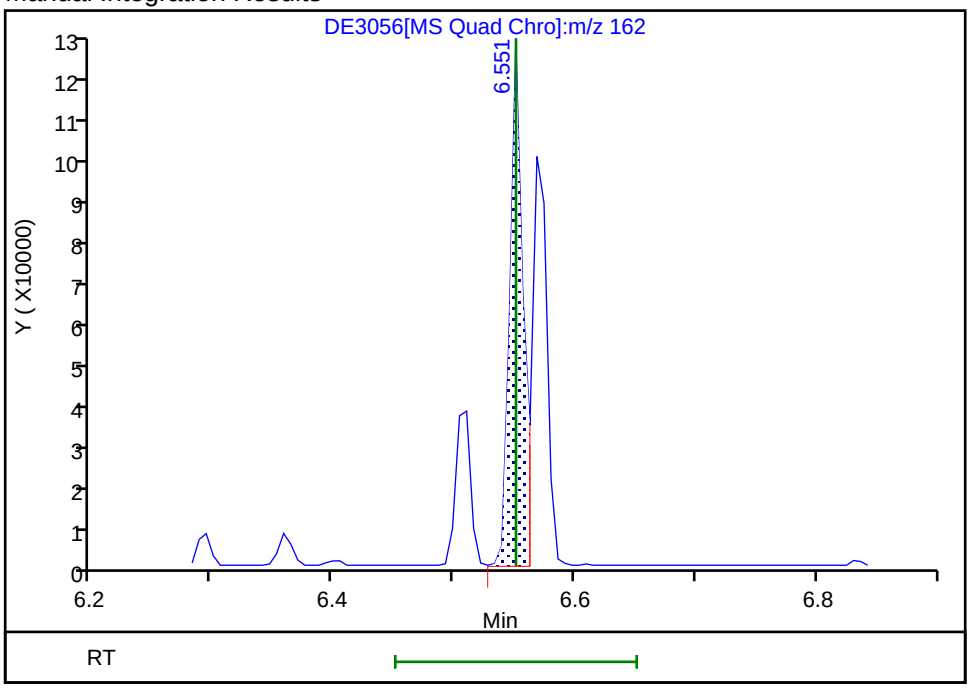
Processing Integration Results

RT: 6.55
Area: 170616
Amount: 1.983843
Amount Units: ug/ml



Manual Integration Results

RT: 6.55
Area: 92703
Amount: 1.299602
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:24:30 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

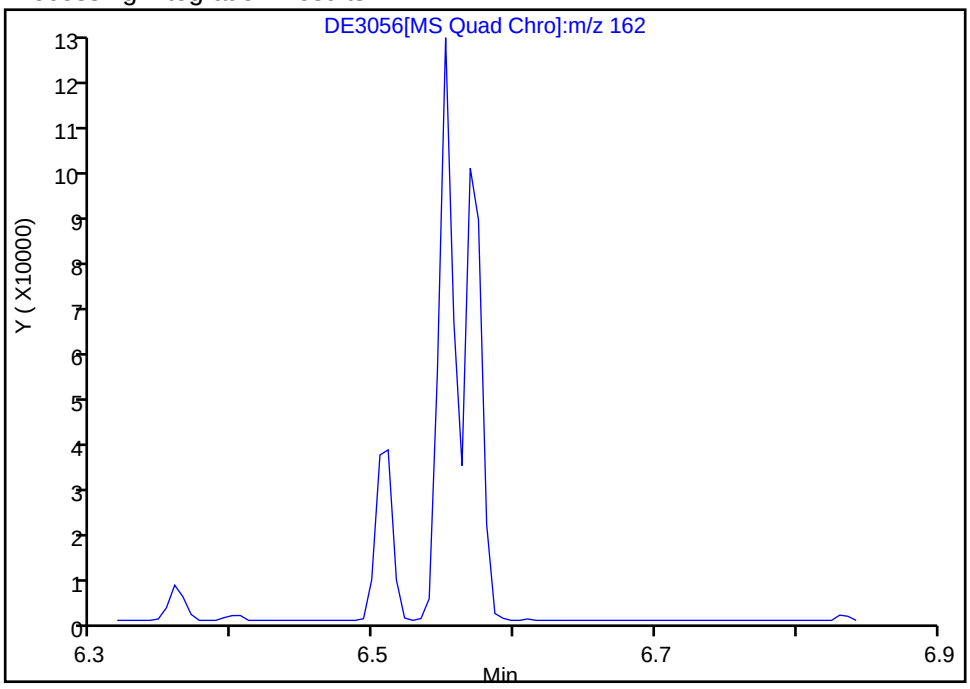
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3056.D				
Injection Date:	31-May-2025 00:17:22	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

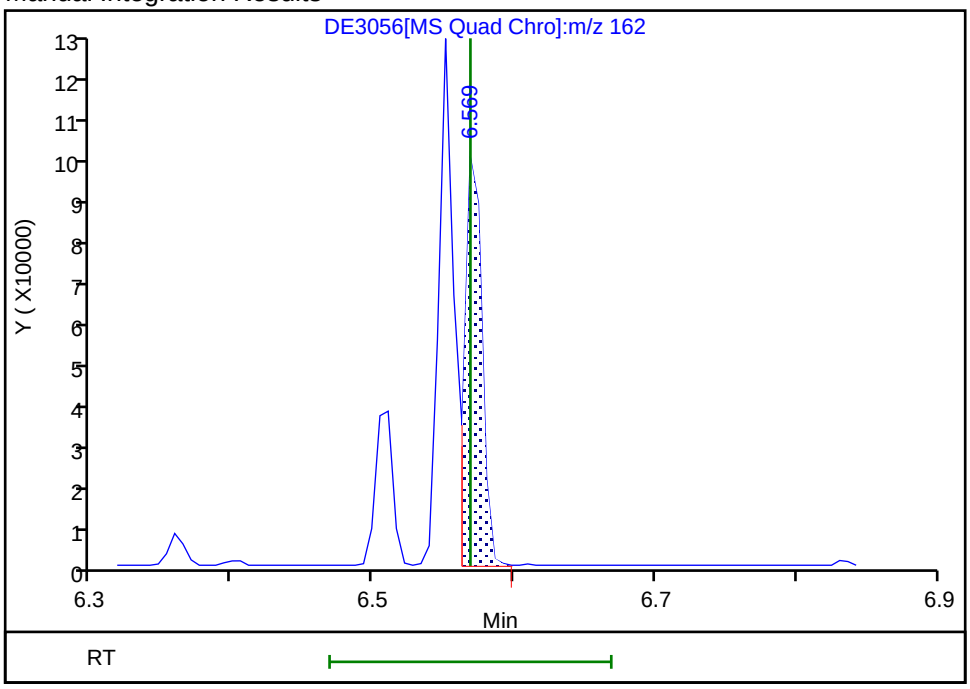
Not Detected
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57
Area: 77912
Amount: 1.201904
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:24:44 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

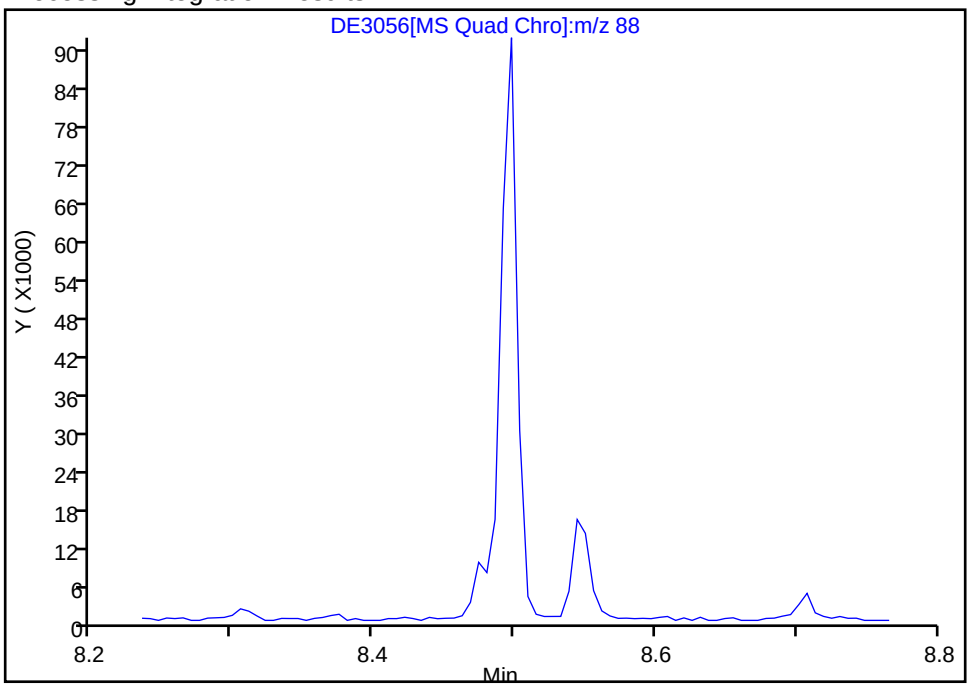
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3056.D				
Injection Date:	31-May-2025 00:17:22	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

127 Disulfoton, CAS: 298-04-4

Signal: 1

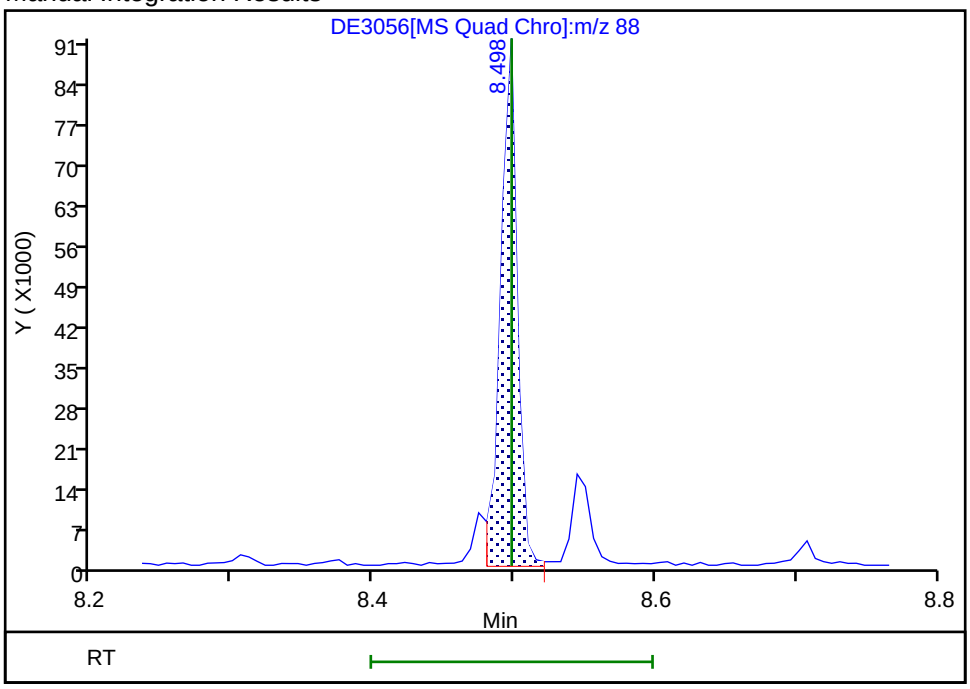
Not Detected
Expected RT: 8.50

Processing Integration Results



Manual Integration Results

RT: 8.50
Area: 73512
Amount: 1.182514
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:25:19 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3057.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 31-May-2025 00:38:36 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0148877-008
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub59

Method: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-Jun-2025 12:47:02 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SJ89 Date: 01-Jun-2025 11:29:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.614	1.608	0.006	87	17044	0.2500	1.06	
3 N-Nitrosodimethylamine	74	1.842	1.818	0.024	93	6380	0.2500	0.2401	
4 Pyridine	79	1.894	1.859	0.035	99	23197	0.5000	0.5462	
6 Dimethylformamide	73		2.133				ND	ND	U
7 2-Picoline	93	2.448	2.430	0.018	89	10578	0.2500	0.2463	
8 N-Nitrosomethylethylamine	88	2.529	2.512	0.017	45	8818	0.2500	0.4203	
9 Methyl methanesulfonate	80	2.780	2.774	0.006	84	6065	0.2500	0.2534	
$ 10 2-Fluorophenol	112	2.932	2.932	0.000	92	16670	0.5000	0.4650	
11 N-Nitrosodiethylamine	102	3.147	3.141	0.006	90	4102	0.2500	0.2183	
12 Ethyl methanesulfonate	109	3.439	3.433	0.006	97	4708	0.2500	0.2272	
15 Benzaldehyde	77	3.771	3.765	0.006	96	10328	0.2500	0.2744	
$ 16 Phenol-d5	99	3.835	3.829	0.006	95	23005	0.5000	0.4390	
17 Phenol	94	3.847	3.847	0.000	92	11870	0.2500	0.2148	
18 Aniline	93	3.870	3.870	0.000	96	15623	0.2500	0.2295	
19 Bis(2-chloroethyl)ether	93	3.934	3.934	0.000	98	10959	0.2500	0.2497	
20 2-Chlorophenol	128	3.987	3.987	-0.001	92	8288	0.2500	0.2344	
21 1,3-Dichlorobenzene	146	4.132	4.132	0.000	91	9558	0.2500	0.2463	
* 22 1,4-Dichlorobenzene-d4	152	4.191	4.191	-0.001	97	132921	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.202	4.202	0.000	91	9762	0.2500	0.2485	
25 Benzyl alcohol	108	4.325	4.319	0.006	90	5407	0.2500	0.2039	
26 1,2-Dichlorobenzene	146	4.348	4.348	0.000	92	8653	0.2500	0.2302	
28 2-Methylphenol	108	4.429	4.430	-0.001	95	7596	0.2500	0.2078	
29 2,2'-oxybis[1-chloropropane]	45	4.453	4.453	0.000	92	14274	0.2500	0.2560	
31 N-Nitrosopyrrolidine	100	4.552	4.552	0.000	78	4645	0.2500	0.2251	
34 Acetophenone	105	4.575	4.575	0.000	89	14061	0.2500	0.2297	
33 N-Nitrosodi-n-propylamine	70	4.575	4.575	0.000	72	7612	0.2500	0.2174	
32 4-Methylphenol	108	4.581	4.581	0.000	96	9205	0.2500	0.2306	
35 N-Nitrosomorpholine	56	4.593	4.593	0.000	88	6488	0.2500	0.2466	
36 2-Toluidine	106	4.604	4.610	-0.006	96	14383	0.2500	0.2305	
38 Hexachloroethane	117	4.674	4.674	0.000	90	3953	0.2500	0.2334	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.721	4.721	0.000	91	20287	0.5000	0.4262	
40 Nitrobenzene	77	4.738	4.738	0.000	84	10579	0.2500	0.2309	
42 N-Nitrosopiperidine	114	4.884	4.884	0.000	83	3907	0.2500	0.2102	
43 Isophorone	82	4.966	4.972	-0.006	96	19457	0.2500	0.2218	
44 2-Nitrophenol	139	5.047	5.042	0.005	87	3375	0.2500	0.2038	
45 2,4-Dimethylphenol	107	5.094	5.094	0.000	93	8449	0.2500	0.2133	
46 o,o',o''-Triethylphosphorothioat	198	5.158	5.158	0.000	86	4984	0.2500	0.2579	
47 Bis(2-chloroethoxy)methane	93	5.187	5.181	0.006	96	12851	0.2500	0.2324	
37 alpha,alpha-Dimethyl phenethylam	58		5.274				ND	ND	U
48 2,4-Dichlorophenol	162	5.280	5.281	0.000	94	6510	0.2500	0.2219	
49 1,2,4-Trichlorobenzene	180	5.356	5.356	0.000	92	8551	0.2500	0.2591	
* 50 Naphthalene-d8	136	5.409	5.409	0.000	100	514256	5.00	5.00	
51 Naphthalene	128	5.426	5.426	0.000	97	26727	0.2500	0.2434	
52 Alpha-Terpineol	59	5.444	5.444	0.000	90	8404	0.2500	0.2289	
53 4-Chloroaniline	127	5.484	5.485	0.000	91	9750	0.2500	0.2148	
54 2,6-Dichlorophenol	162	5.490	5.490	0.000	92	6404	0.2500	0.2140	
55 Hexachloropropene	213	5.514	5.514	0.000	90	4553	0.2500	0.2342	
56 Hexachlorobutadiene	225	5.549	5.549	0.000	94	5083	0.2500	0.2577	
60 Quinoline	129	5.747	5.747	0.000	96	18519	0.2500	0.2599	
61 Caprolactam	113	5.793	5.799	-0.006	76	2873	0.2500	0.2536	
62 N-Nitrosodi-n-butylamine	84	5.811	5.811	0.000	91	14834	0.2500	0.3725	
63 p-Phenylene diamine	108	5.834	5.823	0.011	1	1583	0.2500	0.0407	
64 4-Chloro-3-methylphenol	107	5.957	5.957	0.000	52	8319	0.2500	0.2310	
65 Safrole, Total	162	6.015	6.015	0.000	87	6708	0.2500	0.2411	
66 2-Methylnaphthalene	142	6.091	6.091	0.000	91	14816	0.2500	0.2283	
67 1-Methylnaphthalene	142	6.184	6.184	0.000	91	15749	0.2500	0.2271	
68 Hexachlorocyclopentadiene	237	6.242	6.242	0.000	94	4048	0.2500	0.1700	
69 1,2,4,5-Tetrachlorobenzene	216	6.248	6.248	0.000	95	9291	0.2500	0.2380	
70 Isosafrole Peak 1	162	6.289	6.289	0.000	16	1137	0.0400	0.0357	a
71 2,4,6-Trichlorophenol	196	6.359	6.359	0.000	90	4950	0.2500	0.2120	
72 2,4,5-Trichlorophenol	196	6.400	6.400	0.000	88	5386	0.2500	0.2052	a
$ 73 2-Fluorobiphenyl (Surr)	172	6.440	6.446	-0.006	99	41519	0.5000	0.4688	
74 Isosafrole Peak 2	162	6.504	6.505	0.000	89	6954	0.2100	0.1994	
75 1,1'-Biphenyl	154	6.534	6.534	0.000	92	22049	0.2500	0.2299	
76 2-Chloronaphthalene	162	6.551	6.551	0.000	91	15607	0.2500	0.2123	
77 1-Chloronaphthalene	162	6.569	6.569	0.000	97	18116	0.2500	0.2712	
78 Phenyl ether	170	6.639	6.639	0.000	90	13132	0.2500	0.2345	
79 2-Nitroaniline	138	6.650	6.650	0.000	76	3940	0.2500	0.1757	
81 1,4-Naphthoquinone	158	6.720	6.720	0.000	74	4469	0.2500	0.1614	
84 1,4-Dinitrobenzene	168	6.790	6.790	0.000	86	1579	0.2500	0.1497	
85 Dimethyl phthalate	163	6.831	6.831	0.000	95	20568	0.2500	0.2412	
86 1,3-Dinitrobenzene	168	6.854	6.854	0.000	81	1833	0.2500	0.1412	
87 2,6-Dinitrotoluene	165	6.883	6.883	0.000	86	3338	0.2500	0.1955	
88 Acenaphthylene	152	6.942	6.942	0.000	98	26773	0.2500	0.2309	
89 3-Nitroaniline	138	7.041	7.041	0.000	89	3447	0.2500	0.1677	
* 90 Acenaphthene-d10	164	7.076	7.076	0.000	95	318263	5.00	5.00	
91 Acenaphthene	153	7.105	7.105	0.000	95	18749	0.2500	0.2426	
92 2,4-Dinitrophenol	184	7.140	7.140	0.000	83	13296	2.50	1.29	
93 4-Nitrophenol	109	7.221	7.221	0.000	83	13651	1.50	1.07	
94 Pentachlorobenzene	250	7.227	7.233	-0.006	95	9053	0.2500	0.2675	
95 2,4-Dinitrotoluene	165	7.262	7.262	0.000	75	4199	0.2500	0.1743	
96 Dibenzofuran	168	7.268	7.268	0.000	96	27599	0.2500	0.2494	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
97 1-Naphthylamine	143	7.344	7.344	0.000	98	14740	0.2500	0.2061	
98 2,3,4,6-Tetrachlorophenol	232	7.390	7.390	0.000	72	4613	0.2500	0.2070	M
99 2-Naphthylamine	143	7.420	7.420	0.000	94	17943	0.2500	0.2348	
100 Diethyl phthalate	149	7.501	7.507	-0.006	97	21458	0.2500	0.2460	
101 Thionazin	107	7.577	7.577	0.000	77	4188	0.2500	0.2708	
102 Fluorene	166	7.594	7.594	0.000	92	20346	0.2500	0.2279	
103 4-Chlorophenyl phenyl ether	204	7.600	7.600	0.000	91	10506	0.2500	0.2406	
104 N-Nitro-o-toluidine	152	7.606	7.606	0.000	55	3982	0.2500	0.1825	
105 4-Nitroaniline	138	7.612	7.612	0.000	41	3424	0.2500	0.1692	
106 4,6-Dinitro-2-methylphenol	198	7.641	7.647	-0.006	75	11674	1.50	0.7493	
107 N-Nitrosodiphenylamine	169	7.711	7.711	0.000	59	14635	0.2125	0.1908	
108 1,2-Diphenylhydrazine	77	7.746	7.752	-0.006	41	25890	0.2500	0.2273	
$ 109 2,4,6-Tribromophenol	330	7.822	7.822	0.000	91	5781	0.5000	0.4595	
110 Sulfotepp	97	7.874	7.874	0.000	73	4235	0.2500	0.2278	
112 1,3,5-Trinitrobenzene	213	7.967	7.973	-0.006	78	1142	0.2500	0.1293	
113 cis-Diallate	86	7.991	7.991	0.000	0	10957	0.1850	0.2219	
114 Phorate	75	7.997	7.997	0.000	94	14189	0.2500	0.2093	
115 Phenacetin	108	8.008	8.014	-0.006	92	9210	0.2500	0.2037	
116 4-Bromophenyl phenyl ether	248	8.061	8.061	0.000	67	6322	0.2500	0.2345	
117 trans-Diallate	86	8.072	8.072	0.000	0	7143	0.0650	0.1505	
118 Hexachlorobenzene	284	8.107	8.107	0.000	90	6970	0.2500	0.2392	
119 Dimethoate	87	8.148	8.154	-0.006	97	8511	0.2500	0.2051	
120 Atrazine	200	8.224	8.230	-0.006	89	4977	0.2500	0.2019	
121 Pentachlorophenol	266	8.300	8.300	0.000	89	13899	1.25	1.31	
122 4-Aminobiphenyl	169	8.306	8.306	0.000	89	23705	0.2500	0.2384	
123 Pentachloronitrobenzene	237	8.311	8.311	0.000	48	2758	0.2500	0.2358	
124 Pronamide	173	8.370	8.376	-0.006	88	7620	0.2500	0.2016	
* 126 Phenanthrene-d10	188	8.475	8.475	0.000	97	642545	5.00	5.00	
125 Dinoseb	211	8.480	8.486	-0.006	78	2507	0.2500	0.7037	
127 Disulfoton	88	8.492	8.498	-0.006	67	13433	0.2500	0.2105	M
128 Phenanthrene	178	8.498	8.498	0.000	96	33485	0.2500	0.2412	
129 Anthracene	178	8.545	8.550	-0.006	98	30052	0.2500	0.2212	
130 Carbazole	167	8.708	8.708	0.000	97	28119	0.2500	0.2279	
131 Methyl parathion	109	8.842	8.848	-0.006	88	4778	0.2500	0.1586	
133 Di-n-butyl phthalate	149	9.057	9.057	0.000	99	28110	0.2500	0.2142	
134 Ethyl Parathion	109	9.221	9.221	0.000	78	3079	0.2500	0.1701	
135 4-Nitroquinoline-1-oxide	190	9.238	9.238	0.000	69	729	0.2500	1.06	
140 Octachlorostyrene	308	9.448	9.454	-0.006	86	2591	0.2500	0.2371	
141 Isodrin	193	9.483	9.483	0.000	86	4387	0.2500	0.2757	
143 Fluoranthene	202	9.623	9.629	-0.006	98	34560	0.2500	0.2378	
S 136 Diallate	86				0		0.2500	0.3724	
147 Benzidine	184	9.769	9.769	0.000	100	44076	0.7500	0.4634	
* 149 Pyrene-d10 (IS)	212	9.821	9.821	0.000	99	650237	5.00	5.00	
150 Pyrene	202	9.838	9.838	0.000	96	39730	0.2500	0.2455	
$ 152 p-Terphenyl-d14	244	10.002	10.008	-0.006	99	48433	0.5000	0.4769	
154 p-Dimethylamino azobenzene	225	10.142	10.142	0.000	95	4645	0.2500	0.1909	
155 Chlorobenzilate	139	10.188	10.194	-0.006	89	8633	0.2500	0.2242	
151 Famphur	218		10.467				ND	ND	U
156 3,3'-Dimethylbenzidine	212	10.474	10.474	0.000	99	13764	0.2500	0.1972	
157 Butyl benzyl phthalate	149	10.503	10.503	0.000	94	11156	0.2500	0.1947	
158 2-Acetylaminofluorene	181	10.730	10.736	-0.006	93	7053	0.2500	0.1512	
159 3,3'-Dichlorobenzidine	252	11.051	11.051	0.000	75	9003	0.2500	0.1696	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
160 4,4'-Methylene bis(2-chloroanil	231	11.062	11.063	0.000	62	4071	0.2500	0.1672	
161 Benzo[a]anthracene	228	11.062	11.063	0.000	98	27555	0.2500	0.2140	
162 Chrysene	228	11.103	11.103	0.000	96	29109	0.2500	0.2311	
163 Bis(2-ethylhexyl) phthalate	149	11.150	11.156	-0.006	97	14025	0.2500	0.1726	
164 6-Methylchrysene	242	11.640	11.640	0.000	97	19136	0.2500	0.2317	
165 Di-n-octyl phthalate	149	11.966	11.966	0.000	99	20391	0.2500	0.7090	
167 Benzo[b]fluoranthene	252	12.386	12.386	0.000	97	26580	0.2500	0.2257	
166 7,12-Dimethylbenz(a)anthracene	256	12.380	12.386	-0.006	69	8443	0.2500	0.1746	
168 Benzo[k]fluoranthene	252	12.421	12.426	-0.005	99	28947	0.2500	0.2323	
169 Benzo[a]pyrene	252	12.817	12.823	-0.006	76	23635	0.2500	0.2156	
* 170 Perylene-d12	264	12.898	12.899	-0.001	98	490233	5.00	5.00	
171 3-Methylcholanthrene	268	13.318	13.318	0.000	92	11593	0.2500	0.2272	
172 Dibenz[a,h]acridine	279	14.082	14.082	0.000	90	14769	0.2500	0.1936	
173 Dibenz[a,j]acridine	279	14.152	14.152	0.000	93	17349	0.2500	0.1918	
174 Indeno[1,2,3-cd]pyrene	276	14.385	14.396	-0.011	98	21097	0.2500	0.2097	
175 Dibenz(a,h)anthracene	278	14.437	14.443	-0.006	93	21901	0.2500	0.2160	
176 Benzo[g,h,i]perylene	276	14.781	14.787	-0.006	96	22354	0.2500	0.2166	
S 177 Aramite, Total	185		44.000				0.2500	ND	
S 178 Dinitrotoluene	165				0		0.5000	0.3698	
S 182 Isosafrole	162				0		0.2500	0.2351	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_2_00043 Amount Added: 1.00 Units: mL

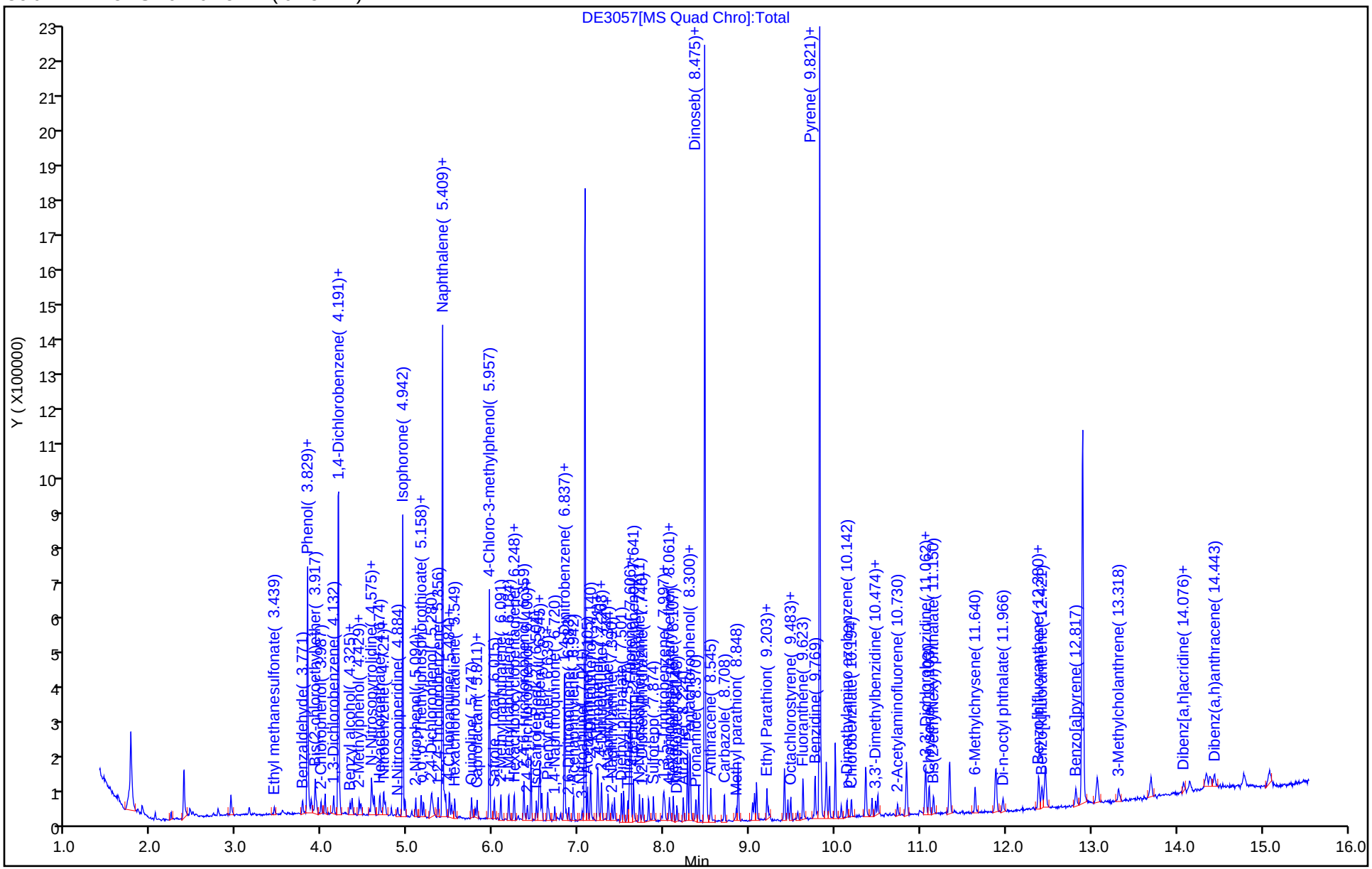
Report Date: 01-Jun-2025 12:47:03 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3057.D

Injection Date:	31-May-2025 00:38:36	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

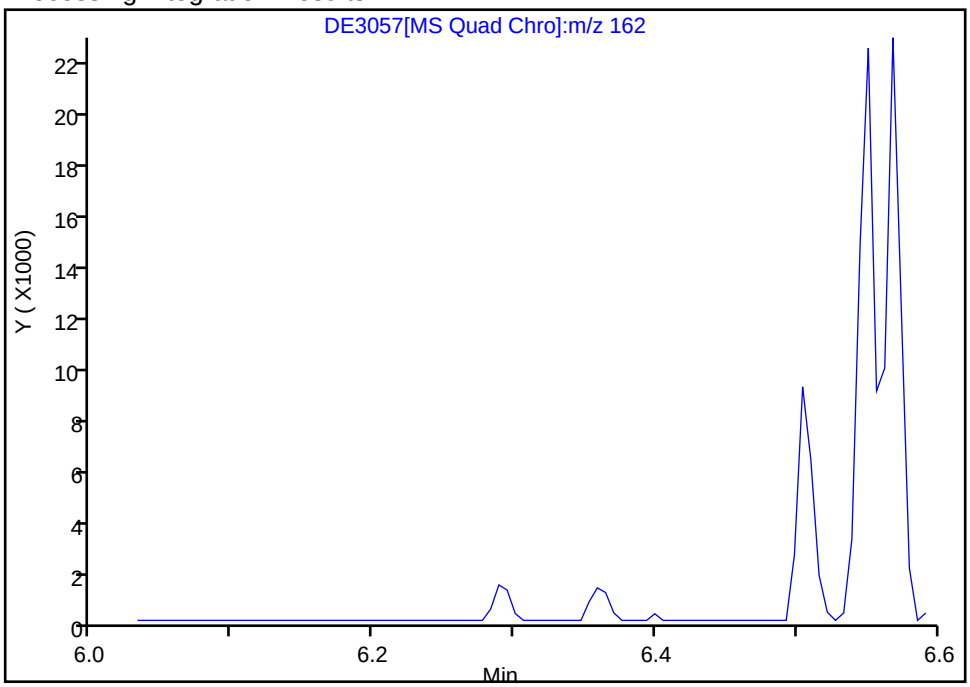
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3057.D				
Injection Date:	31-May-2025 00:38:36	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

70 Isosafrole Peak 1, CAS: STL03315

Signal: 1

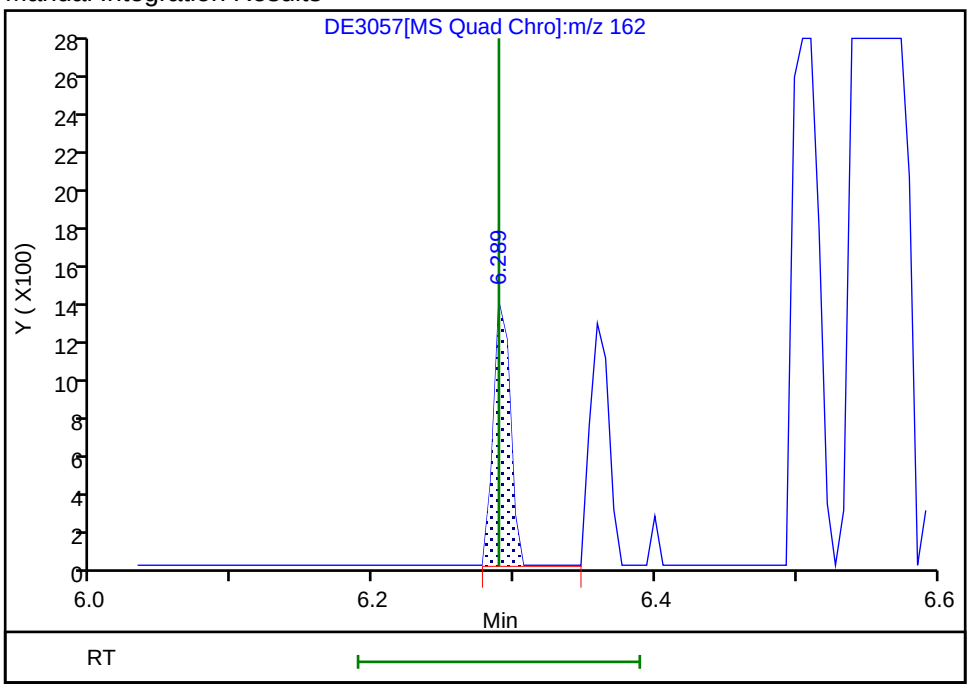
Not Detected
Expected RT: 6.29

Processing Integration Results



Manual Integration Results

RT: 6.29
Area: 1137
Amount: 0.035697
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:27:34 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

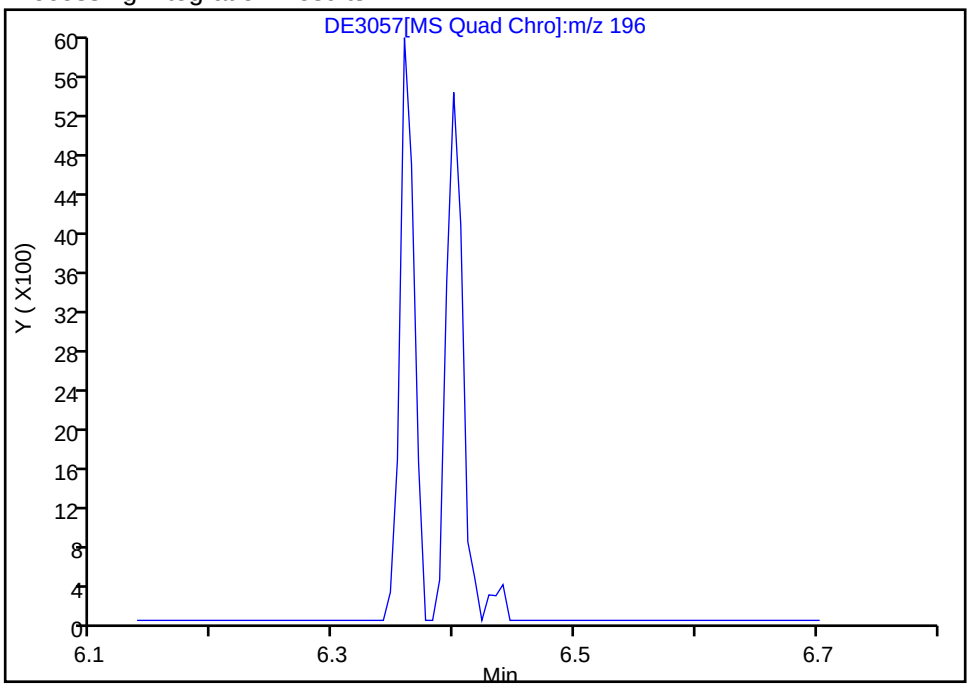
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3057.D				
Injection Date:	31-May-2025 00:38:36	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

72 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

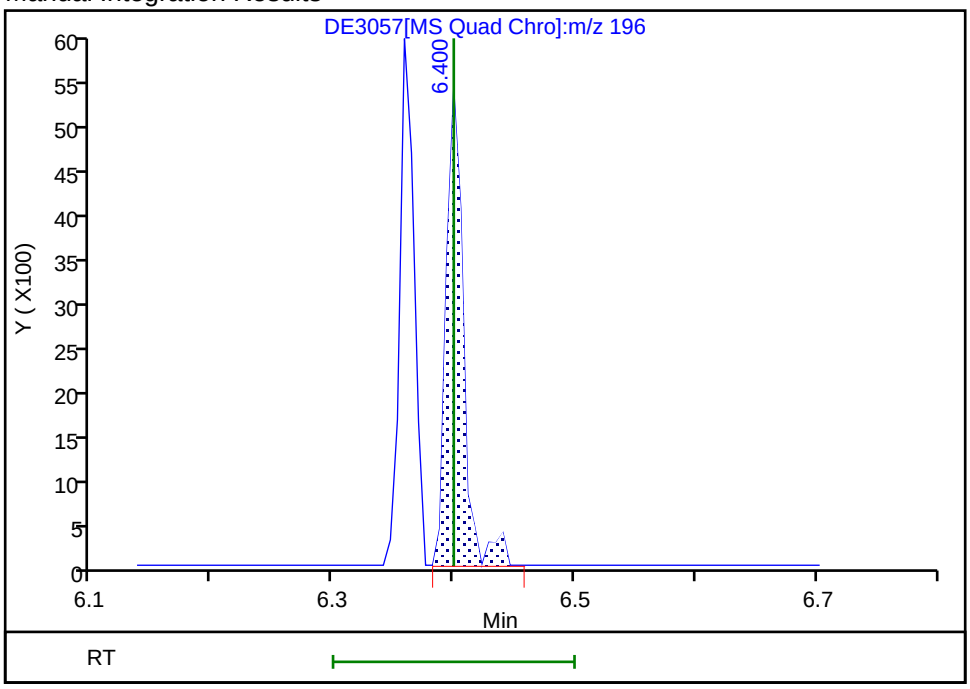
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 5386
Amount: 0.205236
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:27:37 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

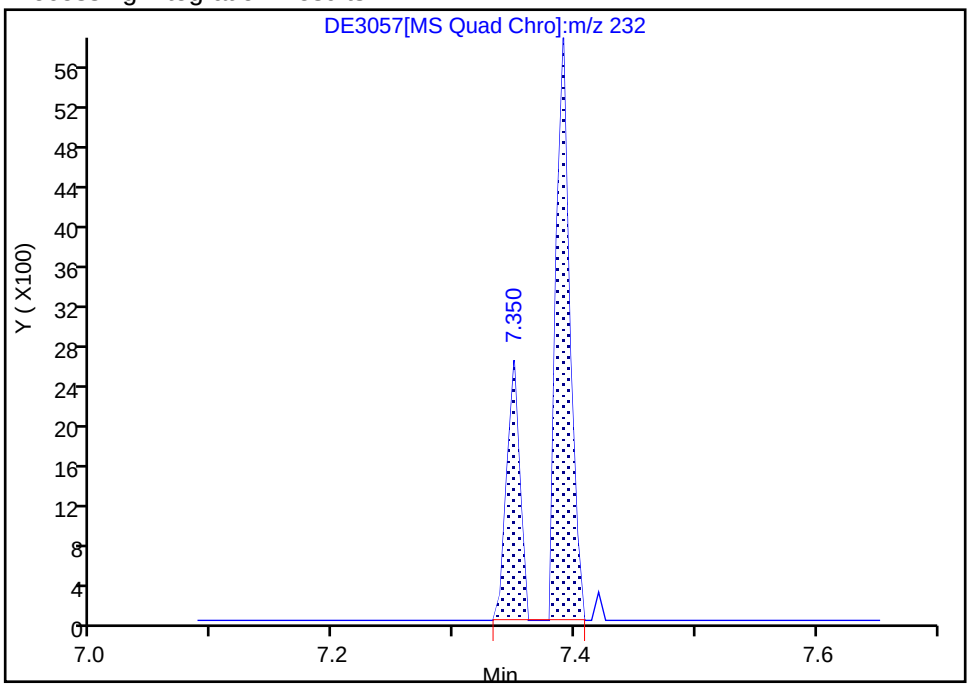
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3057.D				
Injection Date:	31-May-2025 00:38:36	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

98 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

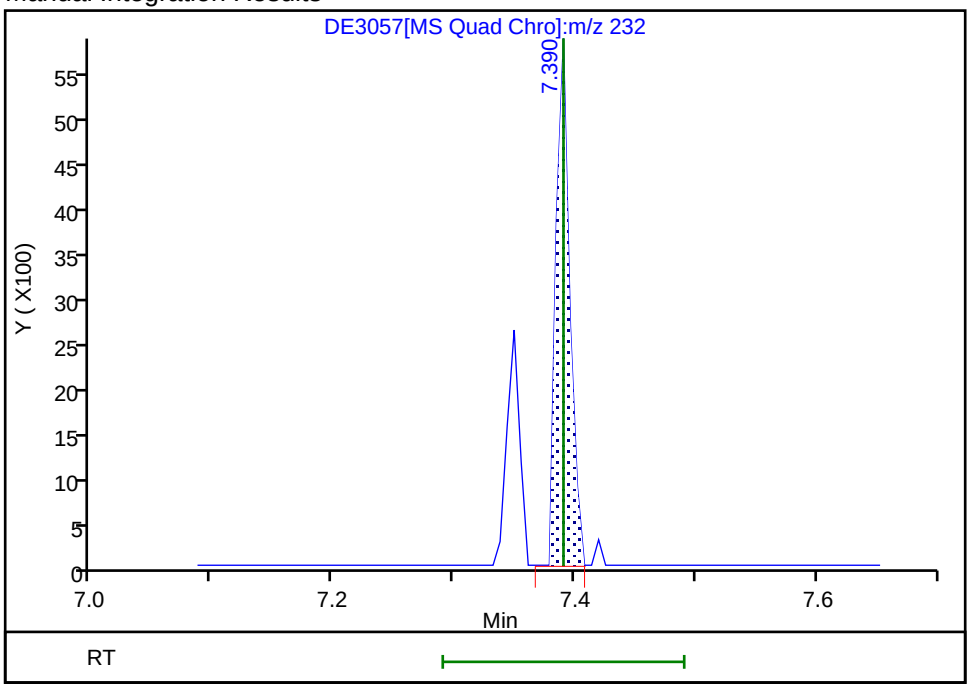
Processing Integration Results

RT: 7.35
Area: 6551
Amount: 0.272835
Amount Units: ug/ml



Manual Integration Results

RT: 7.39
Area: 4613
Amount: 0.207004
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:27:52 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

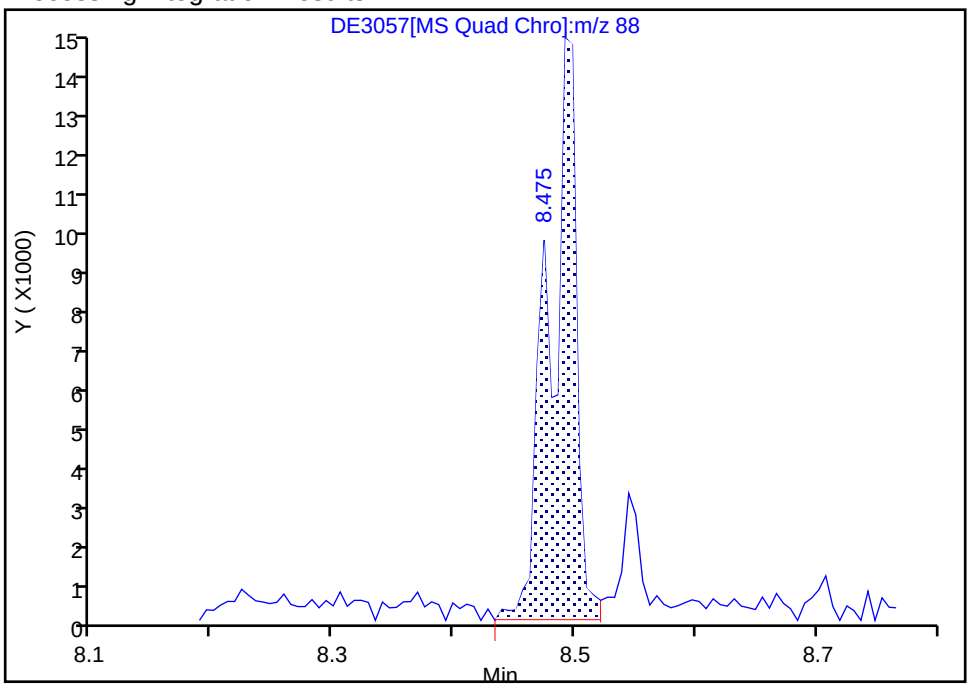
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3057.D
Injection Date: 31-May-2025 00:38:36 Instrument ID: HP19760
Lims ID: IC L2
Client ID:
Operator ID: IR93211 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

127 Disulfoton, CAS: 298-04-4

Signal: 1

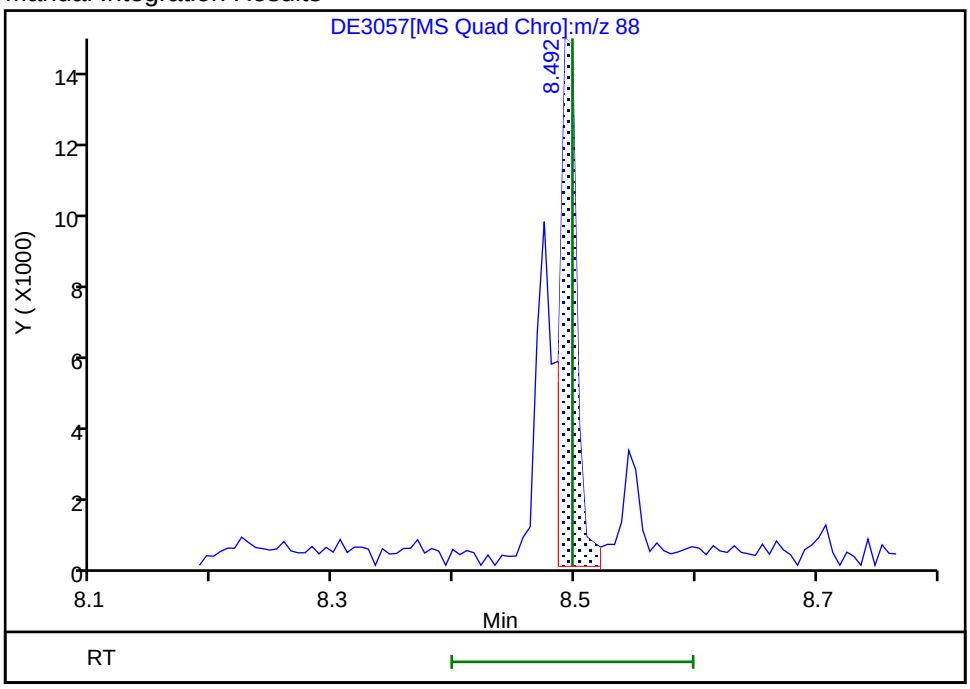
Processing Integration Results

RT: 8.47
Area: 23112
Amount: 0.322970
Amount Units: ug/ml



Manual Integration Results

RT: 8.49
Area: 13433
Amount: 0.210514
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:28:17 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline

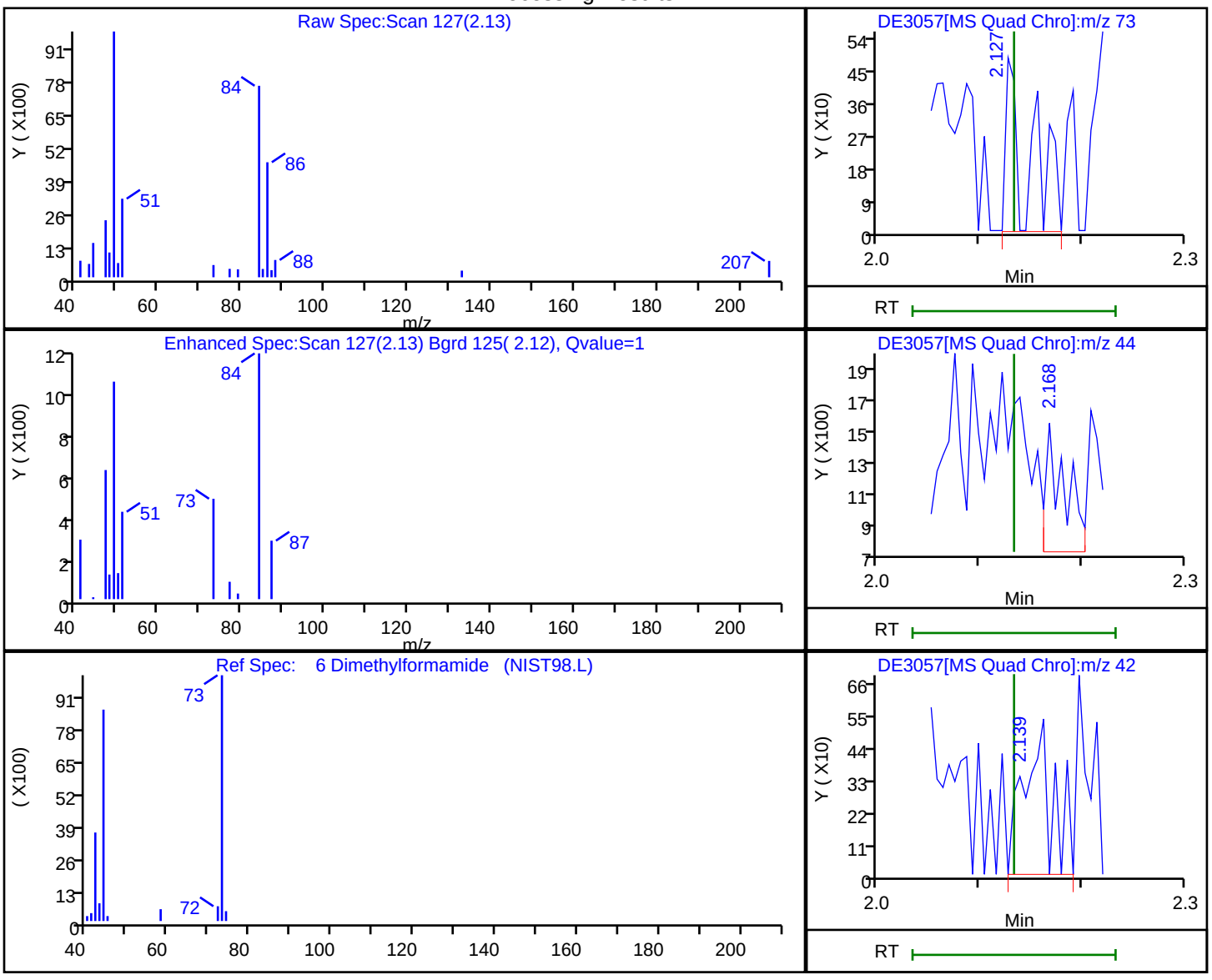
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3057.D				
Injection Date:	31-May-2025 00:38:36	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Dimethylformamide, CAS: 68-12-2

Processing Results



RT	Mass	Response	Amount
2.13	73.00	741	0.030324
2.17	44.00	906	
2.14	42.00	1031	

Reviewer: SJ89, 01-Jun-2025 11:26:26 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3058.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 31-May-2025 00:59:46 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0148877-009
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub59

Method: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-Jun-2025 12:47:24 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SJ89 Date: 01-Jun-2025 12:32:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.620	1.608	0.012	44	5564	0.1250	0.3691	
3 N-Nitrosodimethylamine	74	1.847	1.818	0.029	61	2616	0.1250	0.1055	
4 Pyridine	79	1.912	1.859	0.053	95	8150	0.2500	0.2056	
6 Dimethylformamide	73		2.133				ND	ND	U
7 2-Picoline	93	2.454	2.430	0.024	88	4793	0.1250	0.1196	
8 N-Nitrosomethylethylamine	88	2.529	2.512	0.017	41	6667	0.1250	0.3404	
9 Methyl methanesulfonate	80	2.780	2.774	0.006	74	2714	0.1250	0.1215	
$ 10 2-Fluorophenol	112	2.932	2.932	0.000	92	6512	0.2500	0.1946	
11 N-Nitrosodiethylamine	102	3.147	3.141	0.006	91	2251	0.1250	0.1284	
12 Ethyl methanesulfonate	109	3.444	3.433	0.011	96	2255	0.1250	0.1166	
15 Benzaldehyde	77	3.771	3.765	0.006	86	4807	0.1250	0.1369	
$ 16 Phenol-d5	99	3.835	3.829	0.006	94	9922	0.2500	0.2029	
17 Phenol	94	3.847	3.847	0.000	92	5389	0.1250	0.1045	
18 Aniline	93	3.870	3.870	0.000	93	6835	0.1250	0.1076	
19 Bis(2-chloroethyl)ether	93	3.934	3.934	0.000	92	4736	0.1250	0.1156	
20 2-Chlorophenol	128	3.987	3.987	0.000	93	3294	0.1250	0.0998	
21 1,3-Dichlorobenzene	146	4.132	4.132	0.000	88	4269	0.1250	0.1179	
* 22 1,4-Dichlorobenzene-d4	152	4.191	4.191	0.000	97	124057	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.208	4.202	0.006	90	4027	0.1250	0.1098	
25 Benzyl alcohol	108	4.330	4.319	0.011	87	1664	0.1250	0.0672	
26 1,2-Dichlorobenzene	146	4.348	4.348	0.000	88	3958	0.1250	0.1128	
28 2-Methylphenol	108	4.430	4.430	0.000	88	3554	0.1250	0.1042	
29 2,2'-oxybis[1-chloropropane]	45	4.453	4.453	0.000	89	5933	0.1250	0.1140	
31 N-Nitrosopyrrolidine	100	4.552	4.552	0.000	87	1914	0.1250	0.0994	
34 Acetophenone	105	4.575	4.575	0.000	91	6367	0.1250	0.1114	
33 N-Nitrosodi-n-propylamine	70	4.575	4.575	0.000	74	3464	0.1250	0.1060	
32 4-Methylphenol	108	4.581	4.581	0.000	63	3846	0.1250	0.1032	
35 N-Nitrosomorpholine	56	4.593	4.593	0.000	40	2433	0.1250	0.0991	
36 2-Toluidine	106	4.610	4.610	0.000	93	6314	0.1250	0.1084	
38 Hexachloroethane	117	4.674	4.674	0.000	90	1932	0.1250	0.1222	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.721	4.721	0.000	87	9900	0.2500	0.2207	
40 Nitrobenzene	77	4.738	4.738	0.000	92	4764	0.1250	0.1104	
42 N-Nitrosopiperidine	114	4.884	4.884	0.000	78	1997	0.1250	0.1140	
43 Isophorone	82	4.972	4.972	0.000	95	9300	0.1250	0.1125	
44 2-Nitrophenol	139	5.047	5.042	0.005	84	1340	0.1250	0.0859	
45 2,4-Dimethylphenol	107	5.094	5.094	0.000	94	3698	0.1250	0.0991	
46 o,o',o''-Triethylphosphorothioat	198	5.158	5.158	0.000	83	2167	0.1250	0.1190	
47 Bis(2-chloroethoxy)methane	93	5.187	5.181	0.006	93	5666	0.1250	0.1087	
37 alpha,alpha-Dimethyl phenethylam	58		5.274				ND	ND	U
48 2,4-Dichlorophenol	162	5.280	5.281	0.000	87	2729	0.1250	0.0987	
49 1,2,4-Trichlorobenzene	180	5.356	5.356	0.000	92	3494	0.1250	0.1124	
* 50 Naphthalene-d8	136	5.409	5.409	0.000	100	484549	5.00	5.00	
51 Naphthalene	128	5.426	5.426	0.000	96	12848	0.1250	0.1242	
52 Alpha-Terpineol	59	5.444	5.444	0.000	90	3856	0.1250	0.1114	
53 4-Chloroaniline	127	5.484	5.485	0.000	71	4121	0.1250	0.0964	
54 2,6-Dichlorophenol	162	5.490	5.490	0.000	90	3134	0.1250	0.1111	
55 Hexachloropropene	213	5.514	5.514	0.000	88	1989	0.1250	0.1086	
56 Hexachlorobutadiene	225	5.549	5.549	0.000	90	2033	0.1250	0.1094	
60 Quinoline	129	5.747	5.747	0.000	93	8078	0.1250	0.1203	
61 Caprolactam	113	5.793	5.799	-0.006	71	876	0.1250	0.0821	
62 N-Nitrosodi-n-butylamine	84	5.811	5.811	0.000	89	11212	0.1250	0.2988	
63 p-Phenylene diamine	108	5.846	5.823	0.023	1	1920	0.1250	0.0524	
64 4-Chloro-3-methylphenol	107	5.957	5.957	0.000	42	3469	0.1250	0.1022	
65 Safrole, Total	162	6.015	6.015	0.000	85	3078	0.1250	0.1174	
66 2-Methylnaphthalene	142	6.091	6.091	0.000	83	6487	0.1250	0.1061	
67 1-Methylnaphthalene	142	6.184	6.184	0.000	90	8139	0.1250	0.1245	
68 Hexachlorocyclopentadiene	237	6.242	6.242	0.000	89	1581	0.1250	0.0733	
69 1,2,4,5-Tetrachlorobenzene	216	6.248	6.248	0.000	96	4376	0.1250	0.1238	
70 Isosafrole Peak 1	162	6.295	6.289	0.006	1	531	0.0200	0.0184	a
71 2,4,6-Trichlorophenol	196	6.365	6.359	0.006	75	2063	0.1250	0.0976	
72 2,4,5-Trichlorophenol	196	6.400	6.400	0.000	89	2682	0.1250	0.1129	
$ 73 2-Fluorobiphenyl (Surr)	172	6.440	6.446	-0.006	98	19057	0.2500	0.2377	
74 Isosafrole Peak 2	162	6.504	6.505	0.000	87	3125	0.1050	0.0990	
75 1,1'-Biphenyl	154	6.534	6.534	0.000	94	10689	0.1250	0.1231	
76 2-Chloronaphthalene	162	6.551	6.551	0.000	95	8738	0.1250	0.1313	M
77 1-Chloronaphthalene	162	6.569	6.569	0.000	95	6417	0.1250	0.1061	Ma
78 Phenyl ether	170	6.639	6.639	0.000	87	6482	0.1250	0.1278	
79 2-Nitroaniline	138	6.650	6.650	0.000	72	1688	0.1250	0.0831	
81 1,4-Naphthoquinone	158	6.726	6.720	0.006	88	2297	0.1250	0.0916	
84 1,4-Dinitrobenzene	168	6.790	6.790	0.000	17	810	0.1250	0.0849	
85 Dimethyl phthalate	163	6.831	6.831	0.000	95	8630	0.1250	0.1118	
86 1,3-Dinitrobenzene	168	6.854	6.854	0.000	34	661	0.1250	0.0562	
87 2,6-Dinitrotoluene	165	6.883	6.883	0.000	84	1707	0.1250	0.1104	
88 Acenaphthylene	152	6.942	6.942	0.000	97	11452	0.1250	0.1091	
89 3-Nitroaniline	138	7.041	7.041	0.000	83	1395	0.1250	0.0750	
* 90 Acenaphthene-d10	164	7.076	7.076	0.000	96	288096	5.00	5.00	
91 Acenaphthene	153	7.105	7.105	0.000	94	8154	0.1250	0.1166	
92 2,4-Dinitrophenol	184	7.140	7.140	0.000	77	4503	1.25	0.4838	
93 4-Nitrophenol	109	7.221	7.221	0.000	81	5755	0.7500	0.4982	
94 Pentachlorobenzene	250	7.227	7.233	-0.006	95	3942	0.1250	0.1287	
95 2,4-Dinitrotoluene	165	7.262	7.262	0.000	59	1898	0.1250	0.0870	
96 Dibenzofuran	168	7.268	7.268	0.000	96	12218	0.1250	0.1220	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
97 1-Naphthylamine	143	7.344	7.344	0.000	96	7233	0.1250	0.1117	
98 2,3,4,6-Tetrachlorophenol	232	7.390	7.390	0.000	72	1582	0.1250	0.0784	M
99 2-Naphthylamine	143	7.420	7.420	0.000	94	7617	0.1250	0.1101	
100 Diethyl phthalate	149	7.501	7.507	-0.006	97	8598	0.1250	0.1089	
101 Thionazin	107	7.577	7.577	0.000	72	1655	0.1250	0.1182	
102 Fluorene	166	7.594	7.594	0.000	93	10038	0.1250	0.1242	
103 4-Chlorophenyl phenyl ether	204	7.600	7.600	0.000	91	4462	0.1250	0.1129	
104 N-Nitro-o-toluidine	152	7.606	7.606	0.000	51	1661	0.1250	0.0841	
105 4-Nitroaniline	138	7.612	7.612	0.000	41	1188	0.1250	0.0649	
106 4,6-Dinitro-2-methylphenol	198	7.647	7.647	0.000	75	4220	0.7500	0.2950	
107 N-Nitrosodiphenylamine	169	7.711	7.711	0.000	63	6188	0.1063	0.0879	
108 1,2-Diphenylhydrazine	77	7.746	7.752	-0.006	41	11656	0.1250	0.1115	
$ 109 2,4,6-Tribromophenol	330	7.822	7.822	0.000	86	1903	0.2500	0.1671	
110 Sulfotepp	97	7.874	7.874	0.000	75	2419	0.1250	0.1418	
112 1,3,5-Trinitrobenzene	213	7.973	7.973	0.000	65	277	0.1250	0.0342	
113 cis-Diallate	86	7.991	7.991	0.000	0	6717	0.0925	0.1482	
114 Phorate	75	7.997	7.997	0.000	95	5983	0.1250	0.0961	
115 Phenacetin	108	8.008	8.014	-0.006	92	3203	0.1250	0.0772	
116 4-Bromophenyl phenyl ether	248	8.061	8.061	0.000	69	2872	0.1250	0.1160	
117 trans-Diallate	86	8.072	8.072	0.000	0	4177	0.0325	0.0959	
118 Hexachlorobenzene	284	8.107	8.107	0.000	90	3205	0.1250	0.1198	
119 Dimethoate	87	8.154	8.154	0.000	86	3270	0.1250	0.0859	
120 Atrazine	200	8.224	8.230	-0.006	89	2224	0.1250	0.0982	
121 Pentachlorophenol	266	8.300	8.300	0.000	89	5926	0.6250	0.9247	
122 4-Aminobiphenyl	169	8.306	8.306	0.000	89	10488	0.1250	0.1149	
123 Pentachloronitrobenzene	237	8.311	8.311	0.000	47	1206	0.1250	0.1123	
124 Pronamide	173	8.370	8.376	-0.006	85	2987	0.1250	0.0861	
* 126 Phenanthrene-d10	188	8.475	8.475	0.000	97	589925	5.00	5.00	
125 Dinoseb	211	8.486	8.486	0.000	61	774	0.1250	0.6305	
127 Disulfoton	88	8.492	8.498	-0.006	62	5540	0.1250	0.0946	Ma
128 Phenanthrene	178	8.498	8.498	0.000	94	16614	0.1250	0.1304	
129 Anthracene	178	8.545	8.550	-0.005	97	14225	0.1250	0.1141	
130 Carbazole	167	8.708	8.708	0.000	96	12289	0.1250	0.1085	
131 Methyl parathion	109	8.848	8.848	0.000	83	1894	0.1250	0.0685	
133 Di-n-butyl phthalate	149	9.057	9.057	0.000	99	11711	0.1250	0.0972	
134 Ethyl Parathion	109	9.221	9.221	0.000	74	1133	0.1250	0.0682	
135 4-Nitroquinoline-1-oxide	190	9.238	9.238	0.000	1	105	0.1250	1.01	
140 Octachlorostyrene	308	9.448	9.454	-0.006	80	1114	0.1250	0.1111	
141 Isodrin	193	9.483	9.483	0.000	83	3667	0.1250	0.2510	
143 Fluoranthene	202	9.623	9.629	-0.006	98	15355	0.1250	0.1151	
S 136 Diallate	86				0		0.1250	0.2440	
147 Benzidine	184	9.769	9.769	0.000	99	16800	0.3750	0.2016	
* 149 Pyrene-d10 (IS)	212	9.821	9.821	0.000	99	569682	5.00	5.00	
150 Pyrene	202	9.838	9.838	0.000	97	19710	0.1250	0.1390	
$ 152 p-Terphenyl-d14	244	10.002	10.008	-0.006	99	20746	0.2500	0.2332	
154 p-Dimethylamino azobenzene	225	10.142	10.142	0.000	88	1396	0.1250	0.0655	
155 Chlorobenzilate	139	10.188	10.194	-0.006	86	3193	0.1250	0.0947	
151 Famphur	218		10.467				ND	ND	U
156 3,3'-Dimethylbenzidine	212	10.474	10.474	0.000	98	5509	0.1250	0.0901	
157 Butyl benzyl phthalate	149	10.503	10.503	0.000	93	4538	0.1250	0.0904	
158 2-Acetylaminofluorene	181	10.730	10.736	-0.006	88	2384	0.1250	0.0583	
159 3,3'-Dichlorobenzidine	252	11.051	11.051	0.000	53	3165	0.1250	0.0681	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
160 4,4'-Methylene bis(2-chloroanil	231	11.062	11.063	0.000	62	1669	0.1250	0.0782	
161 Benzo[a]anthracene	228	11.062	11.063	0.000	99	11985	0.1250	0.1063	
162 Chrysene	228	11.103	11.103	0.000	94	11892	0.1250	0.1078	
163 Bis(2-ethylhexyl) phthalate	149	11.150	11.156	-0.006	95	5818	0.1250	0.0817	
164 6-Methylchrysene	242	11.640	11.640	0.000	95	8079	0.1250	0.1117	
165 Di-n-octyl phthalate	149	11.966	11.966	0.000	96	7712	0.1250	0.6218	
167 Benzo[b]fluoranthene	252	12.386	12.386	0.000	97	11274	0.1250	0.1121	
166 7,12-Dimethylbenz(a)anthracene	256	12.380	12.386	-0.006	67	3400	0.1250	0.0823	
168 Benzo[k]fluoranthene	252	12.426	12.426	0.000	96	10896	0.1250	0.1024	
169 Benzo[a]pyrene	252	12.817	12.823	-0.006	76	9991	0.1250	0.1067	
* 170 Perylene-d12	264	12.899	12.899	-0.001	98	418688	5.00	5.00	
171 3-Methylcholanthrene	268	13.318	13.318	0.000	91	5161	0.1250	0.1184	
172 Dibenz[a,h]acridine	279	14.082	14.082	0.000	89	6686	0.1250	0.1026	
173 Dibenz[a,j]acridine	279	14.152	14.152	0.000	91	7073	0.1250	0.0916	
174 Indeno[1,2,3-cd]pyrene	276	14.391	14.396	-0.005	96	8774	0.1250	0.1021	
175 Dibenz(a,h)anthracene	278	14.437	14.443	-0.006	88	8466	0.1250	0.0978	
176 Benzo[g,h,i]perylene	276	14.781	14.787	-0.006	93	9125	0.1250	0.1035	
S 177 Aramite, Total	185		44.000				0.1250	ND	
S 178 Dinitrotoluene	165				0		0.2500	0.1975	
S 182 Isosafrole	162				0		0.1250	0.1174	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_1_00042 Amount Added: 1.00 Units: mL

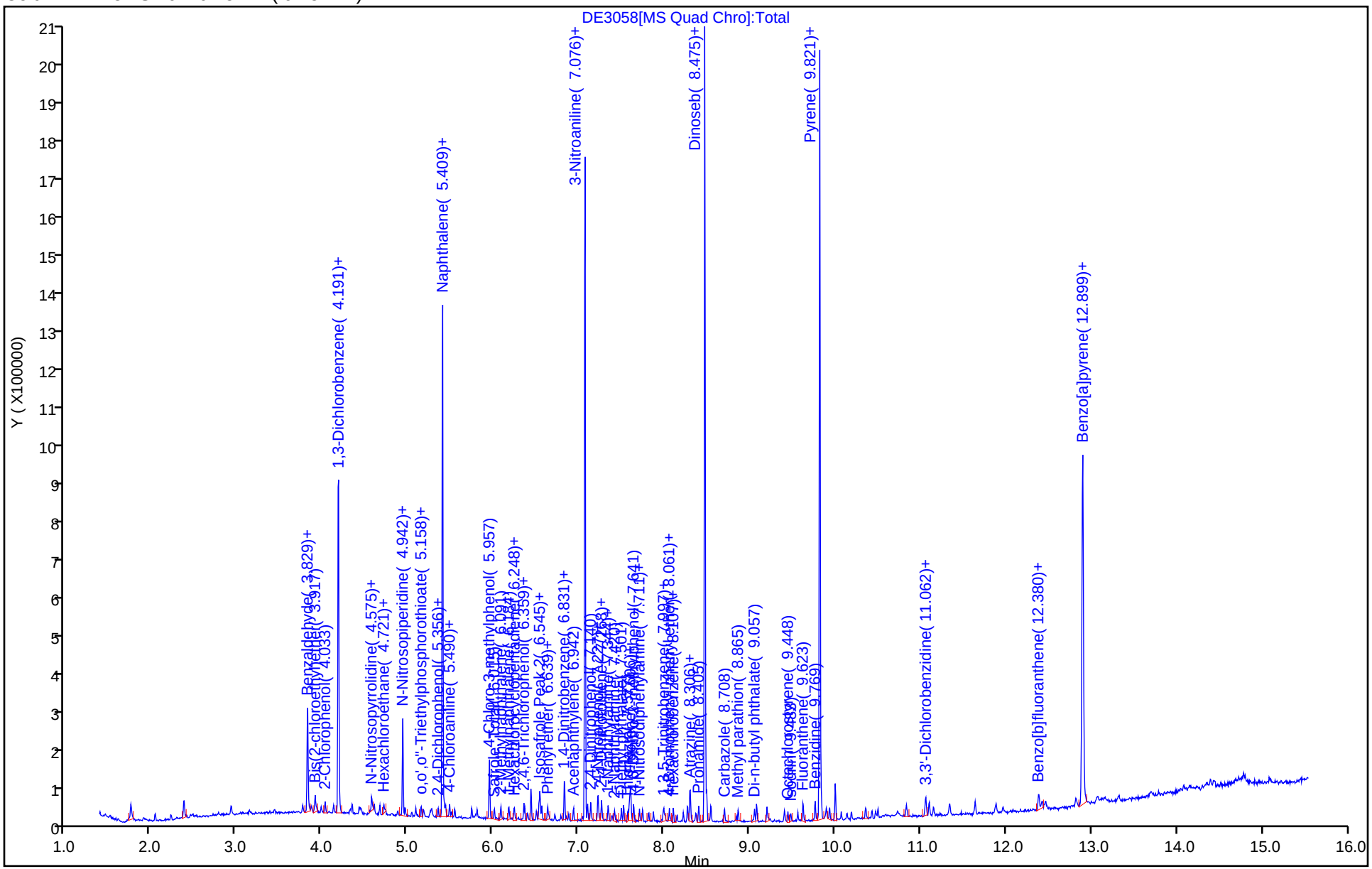
Report Date: 01-Jun-2025 12:47:24 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3058.D

Injection Date:	31-May-2025 00:59:46	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

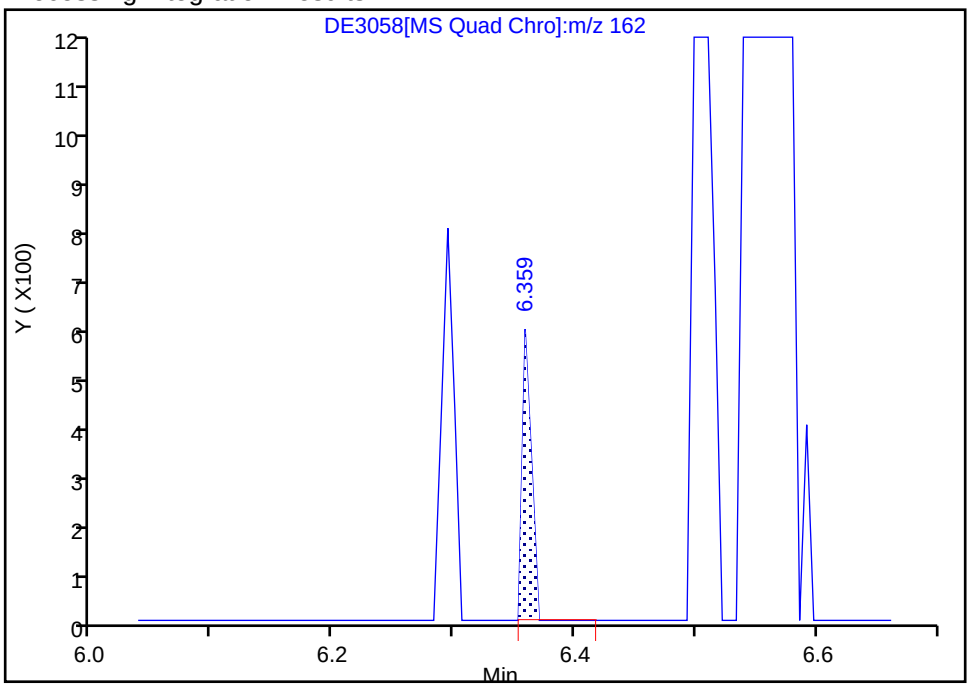
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3058.D				
Injection Date:	31-May-2025 00:59:46	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

70 Isosafrole Peak 1, CAS: STL03315

Signal: 1

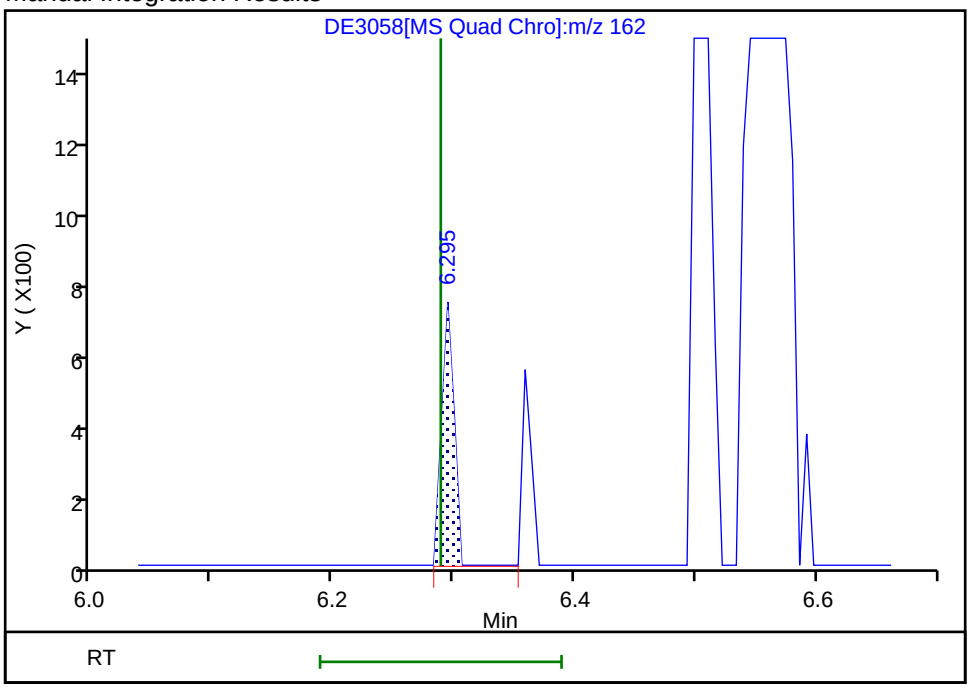
Processing Integration Results

RT: 6.36
Area: 293
Amount: 0.019300
Amount Units: ug/ml



Manual Integration Results

RT: 6.29
Area: 531
Amount: 0.018417
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:30:59 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

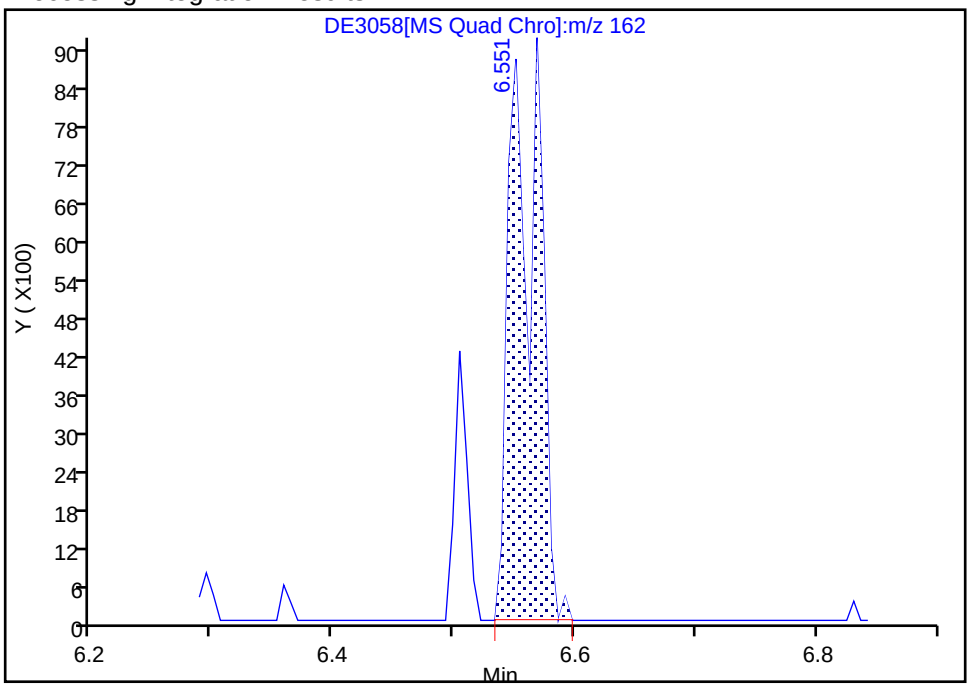
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3058.D				
Injection Date:	31-May-2025 00:59:46	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

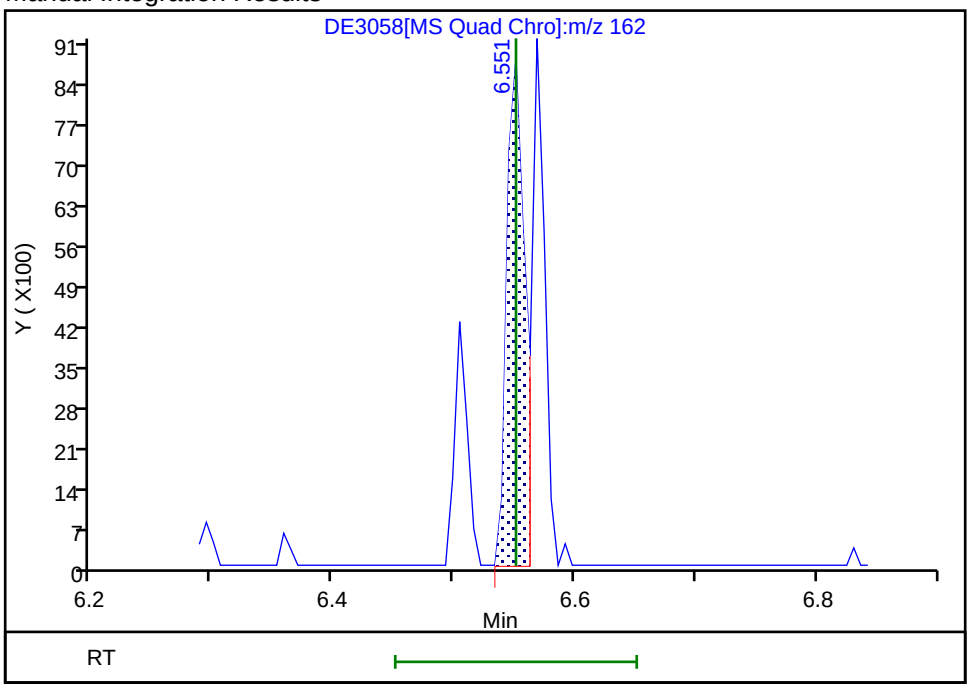
Processing Integration Results

RT: 6.55
Area: 15156
Amount: 0.207722
Amount Units: ug/ml



Manual Integration Results

RT: 6.55
Area: 8738
Amount: 0.131310
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:31:06 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

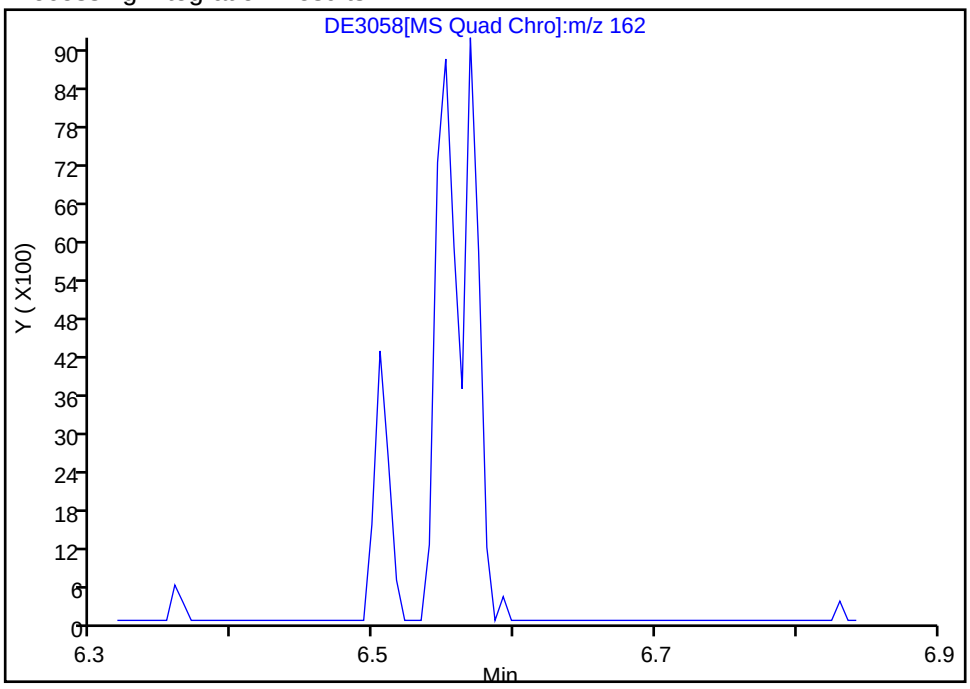
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3058.D				
Injection Date:	31-May-2025 00:59:46	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

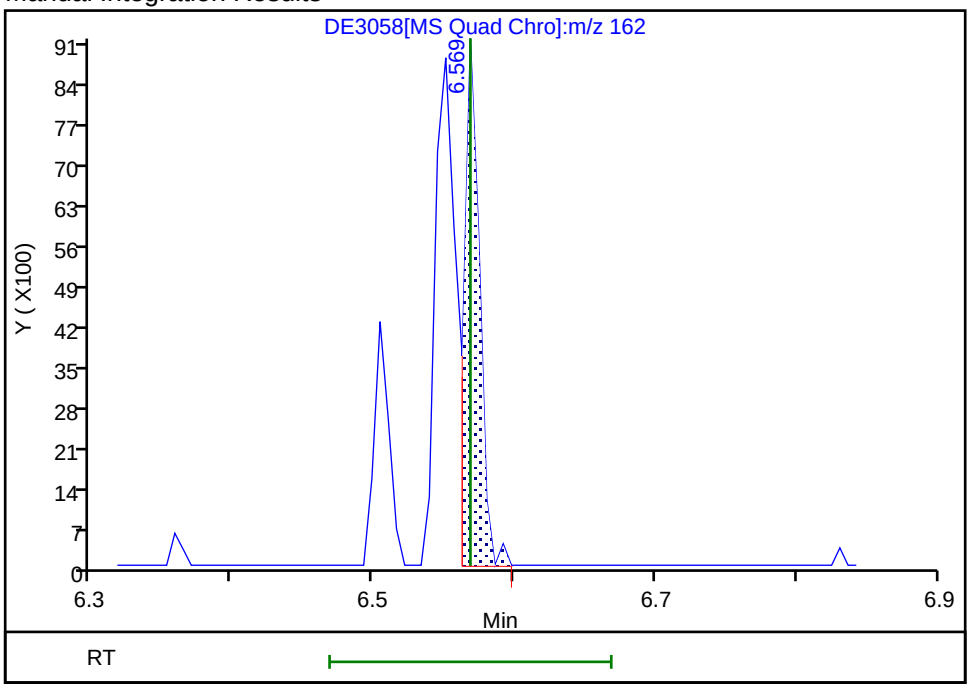
Not Detected
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57
Area: 6417
Amount: 0.106112
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:31:13 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

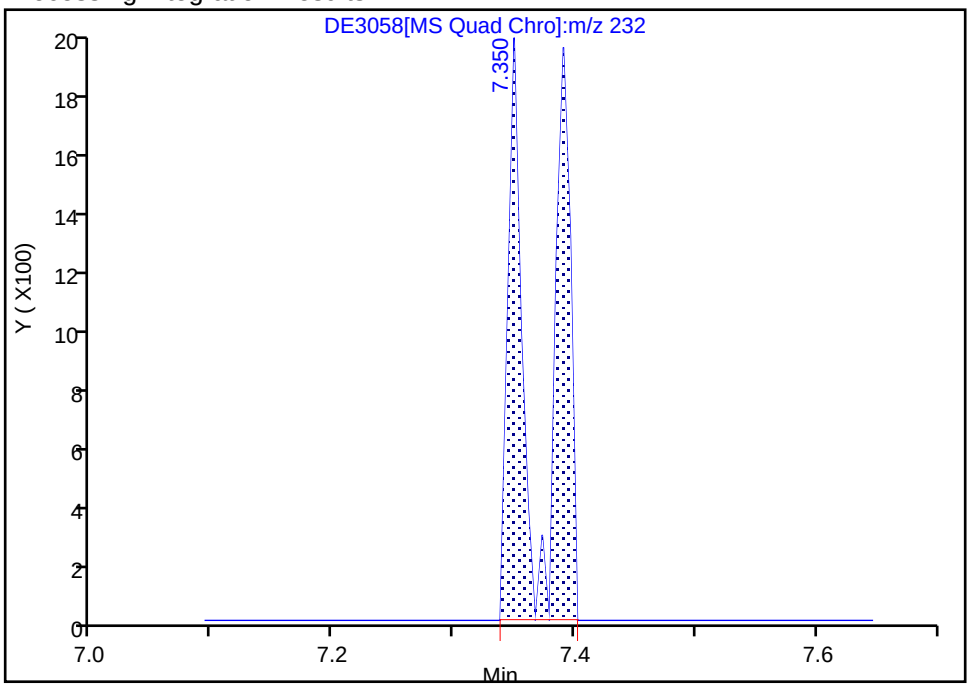
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3058.D				
Injection Date:	31-May-2025 00:59:46	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

98 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

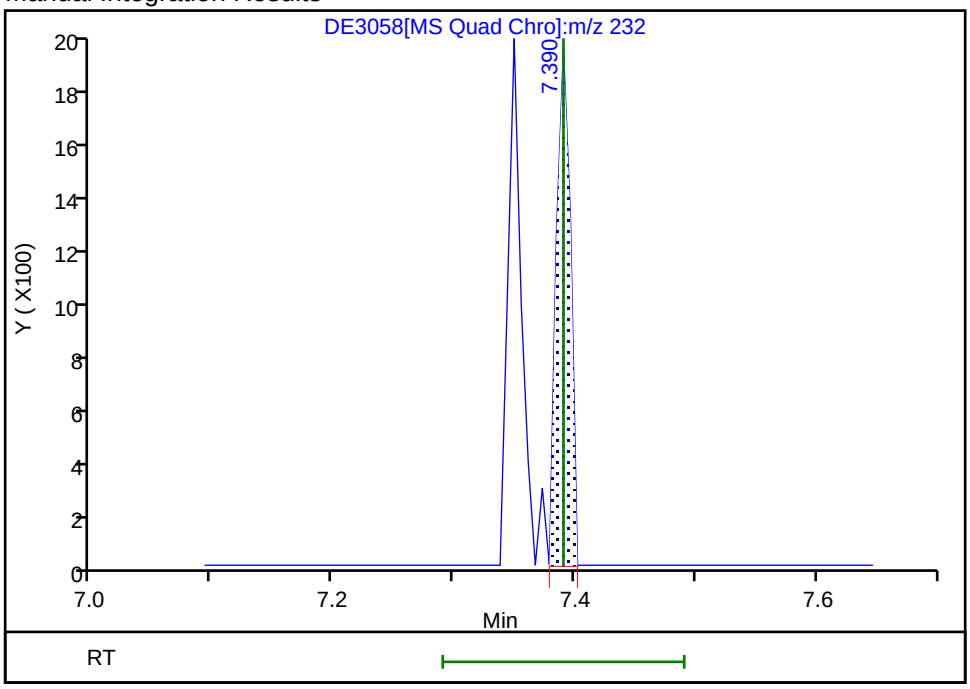
Processing Integration Results

RT: 7.35
Area: 3207
Amount: 0.153756
Amount Units: ug/ml



Manual Integration Results

RT: 7.39
Area: 1582
Amount: 0.078424
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:31:31 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

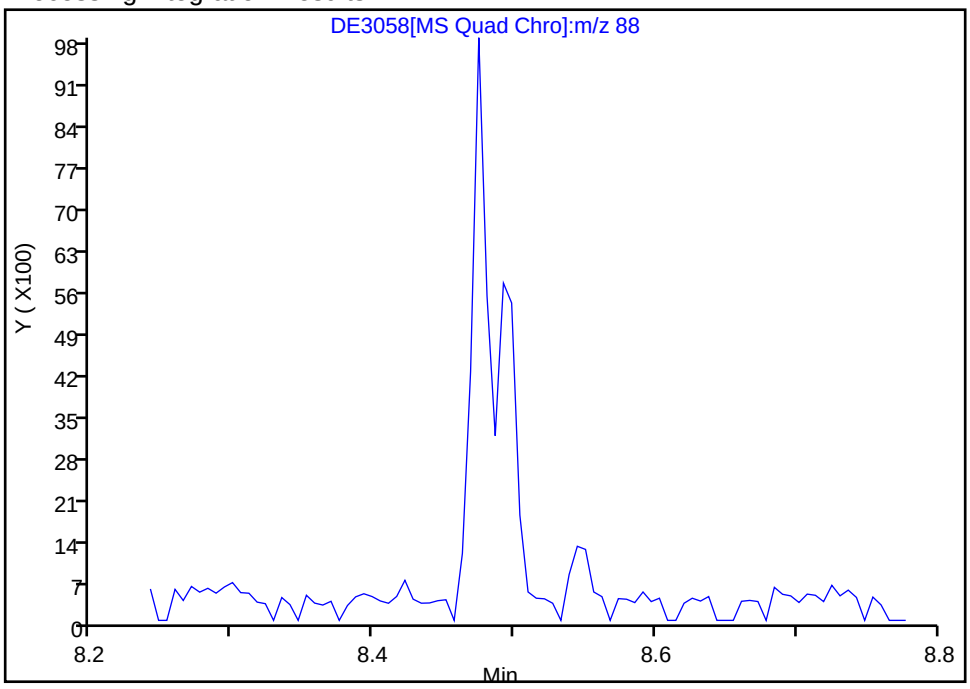
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3058.D				
Injection Date:	31-May-2025 00:59:46	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

127 Disulfoton, CAS: 298-04-4

Signal: 1

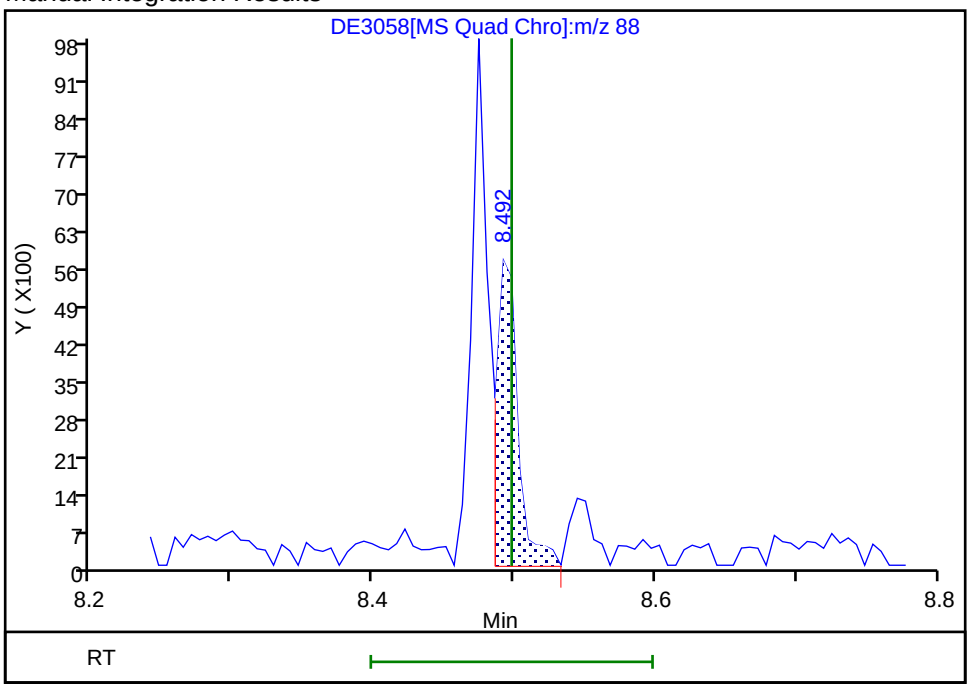
Not Detected
Expected RT: 8.50

Processing Integration Results



Manual Integration Results

RT: 8.49
Area: 5540
Amount: 0.094564
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 11:31:55 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline

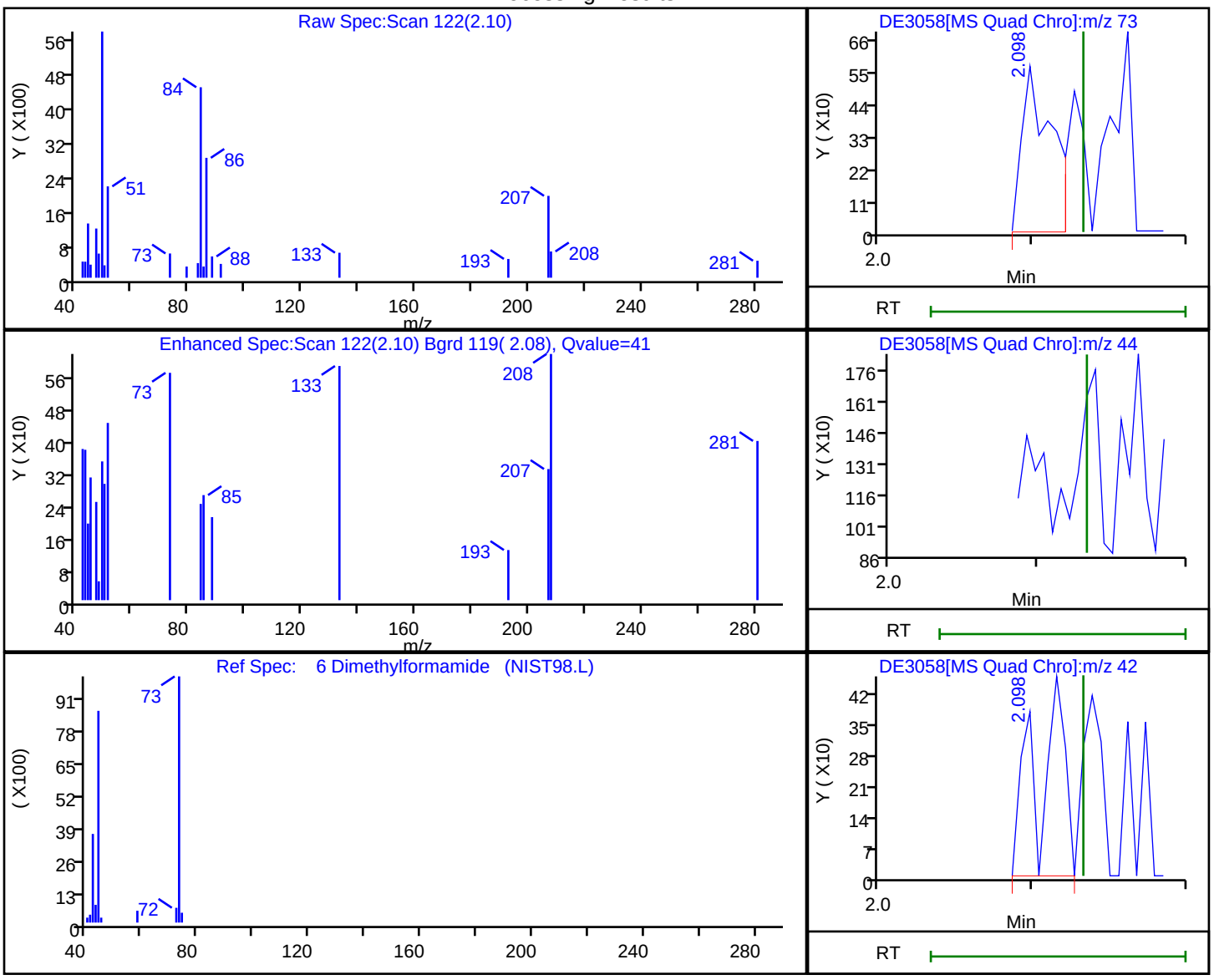
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3058.D				
Injection Date:	31-May-2025 00:59:46	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Dimethylformamide, CAS: 68-12-2

Processing Results



RT	Mass	Response	Amount
2.10	73.00	721	0.125247
2.10	42.00	579	
2.13	44.00	0	

Reviewer: SJ89, 01-Jun-2025 11:29:54 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

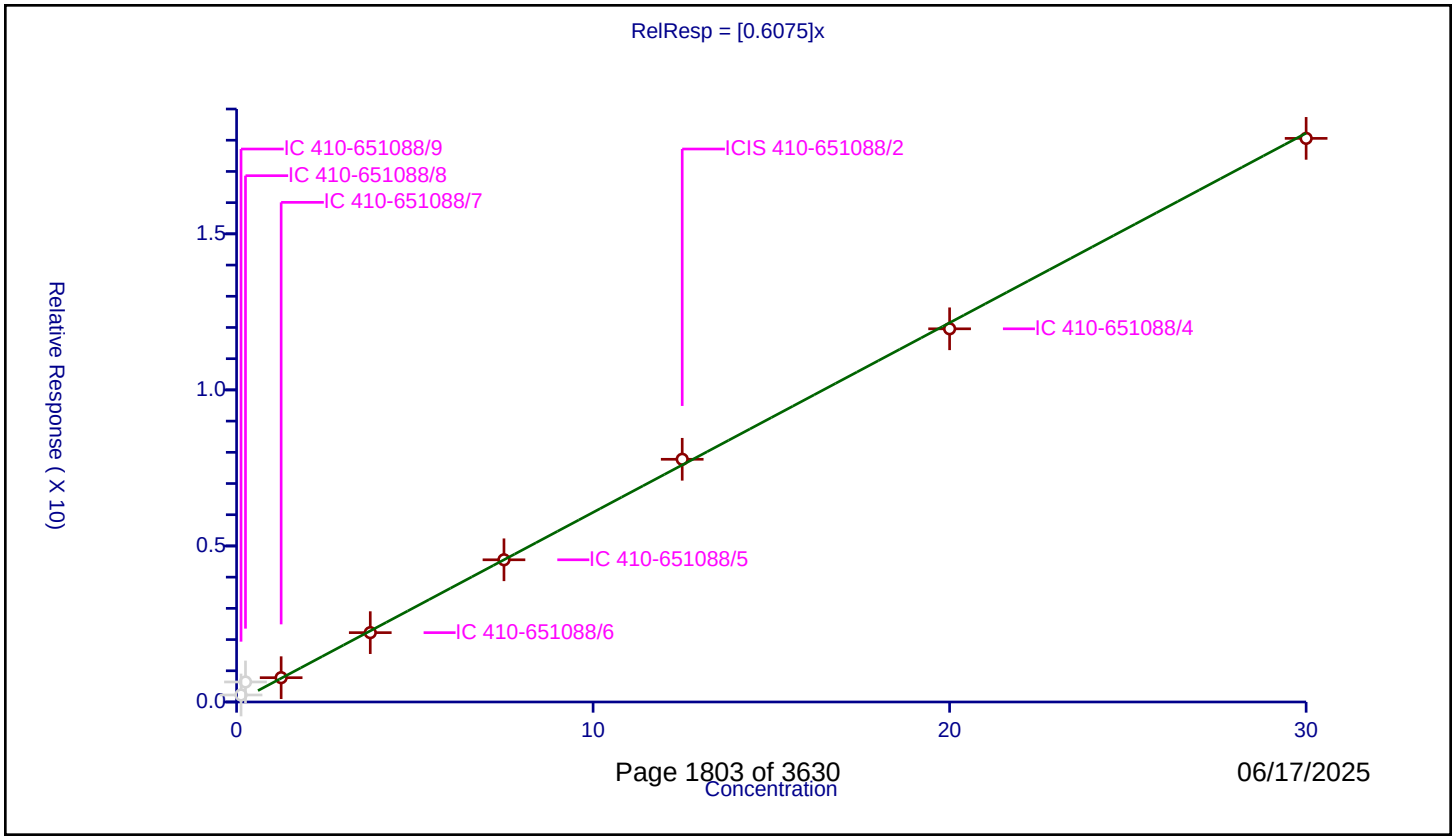
Curve Coefficients

Intercept:	0
Slope:	0.6075

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.224252	5.0	124057.0	1.794014	N
2	IC 410-651088/8	0.25	0.641133	5.0	132921.0	2.564531	N
3	IC 410-651088/7	1.25	0.779004	5.0	124595.0	0.623203	Y
4	IC 410-651088/6	3.75	2.221783	5.0	118945.0	0.592476	Y
5	IC 410-651088/5	7.5	4.556334	5.0	166116.0	0.607511	Y
6	ICIS 410-651088/2	12.5	7.776475	5.0	203780.0	0.622118	Y
7	IC 410-651088/4	20.0	11.957858	5.0	148093.0	0.597893	Y
8	IC 410-651088/3	30.0	18.059641	5.0	161465.0	0.601988	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

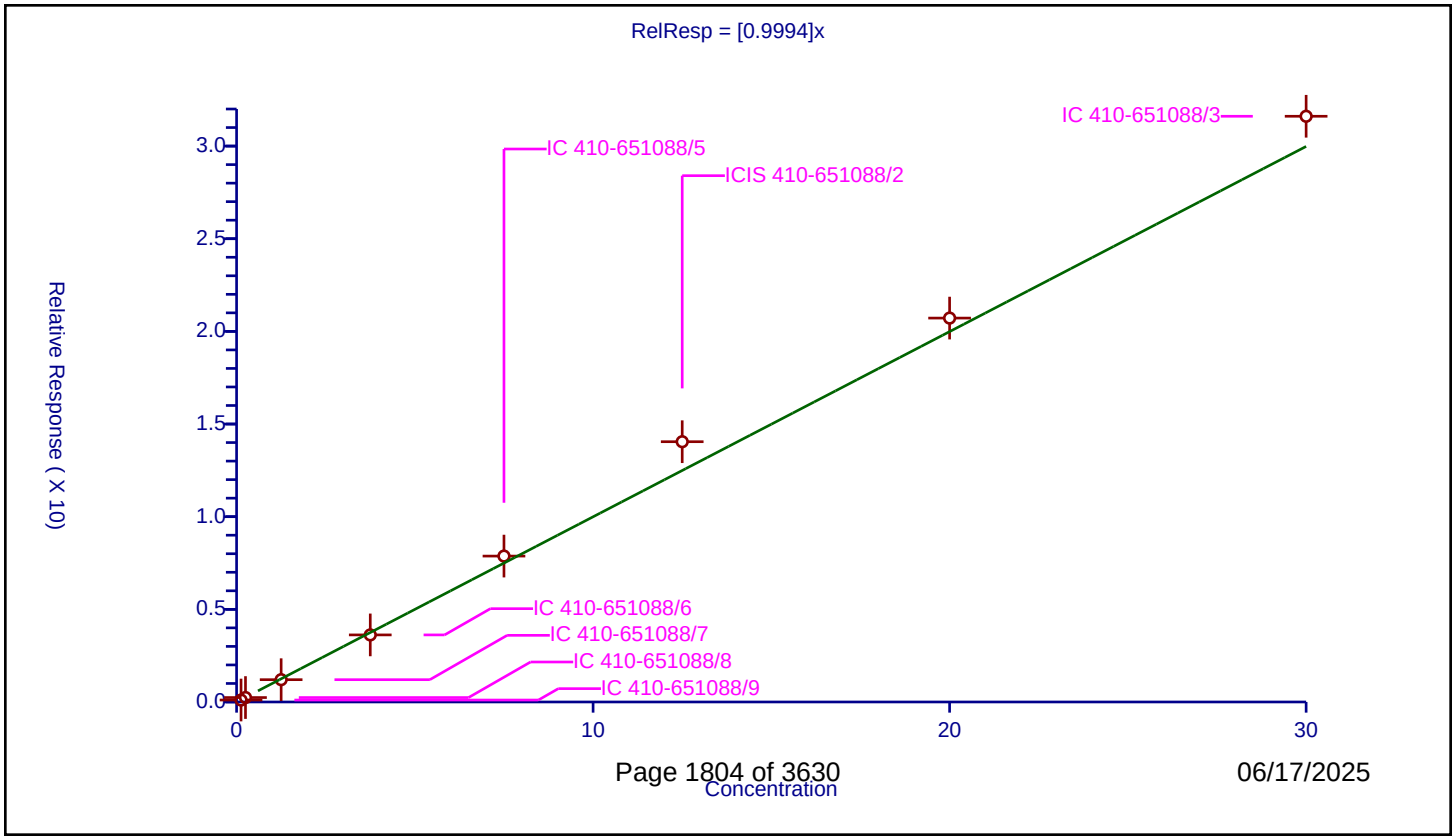
Curve Coefficients

Intercept:	0
Slope:	0.9994

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.105435	5.0	124057.0	0.843483	Y
2	IC 410-651088/8	0.25	0.239992	5.0	132921.0	0.959969	Y
3	IC 410-651088/7	1.25	1.204021	5.0	124595.0	0.963217	Y
4	IC 410-651088/6	3.75	3.619698	5.0	118945.0	0.965253	Y
5	IC 410-651088/5	7.5	7.874437	5.0	166116.0	1.049925	Y
6	ICIS 410-651088/2	12.5	14.045539	5.0	203780.0	1.123643	Y
7	IC 410-651088/4	20.0	20.717657	5.0	148093.0	1.035883	Y
8	IC 410-651088/3	30.0	31.608398	5.0	161465.0	1.053613	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

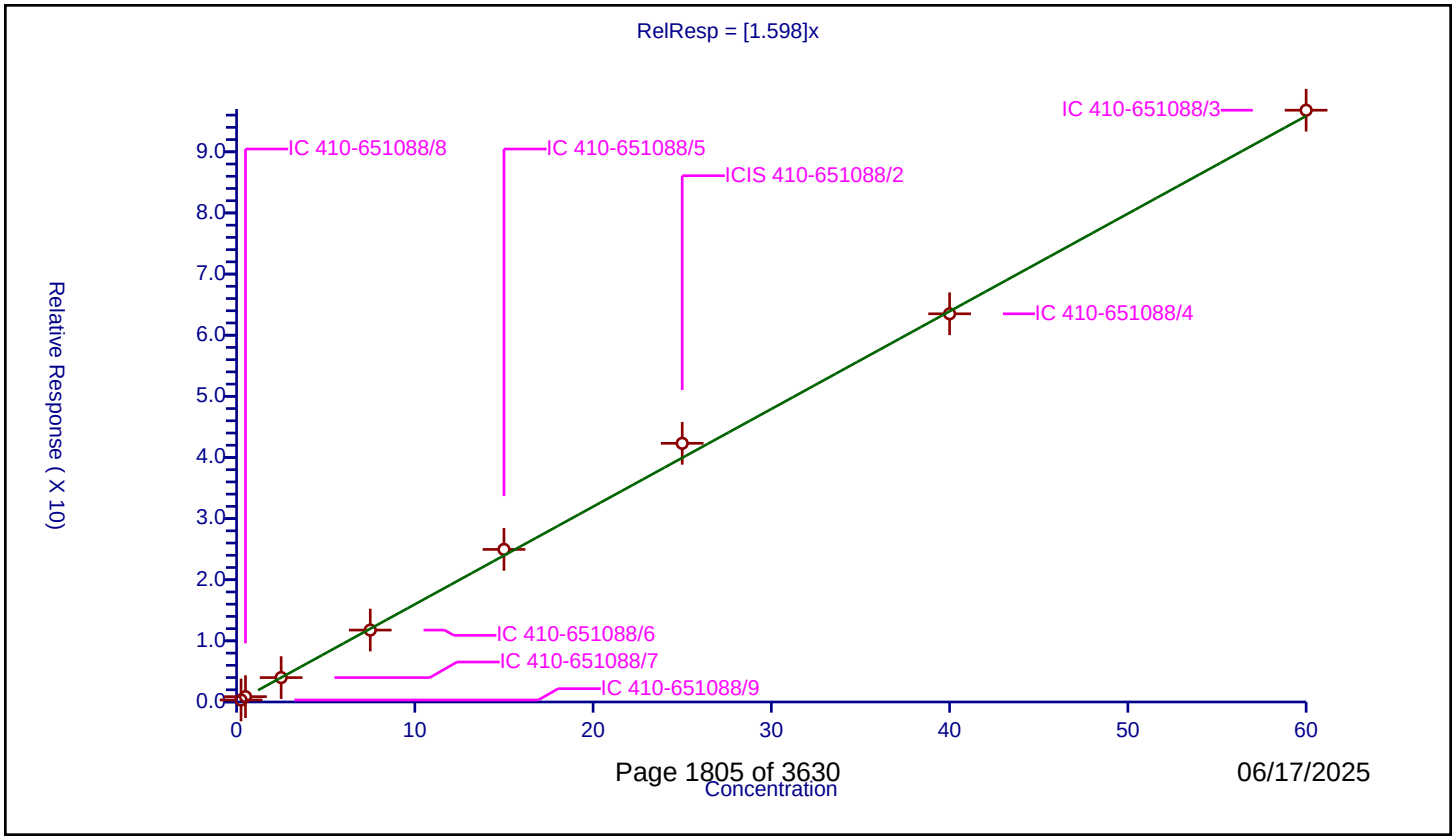
Curve Coefficients

Intercept:	0
Slope:	1.598

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.25	0.328478	5.0	124057.0	1.313912	Y
2	IC 410-651088/8	0.5	0.872586	5.0	132921.0	1.745172	Y
3	IC 410-651088/7	2.5	3.990971	5.0	124595.0	1.596388	Y
4	IC 410-651088/6	7.5	11.761402	5.0	118945.0	1.568187	Y
5	IC 410-651088/5	15.0	24.957048	5.0	166116.0	1.663803	Y
6	ICIS 410-651088/2	25.0	42.317303	5.0	203780.0	1.692692	Y
7	IC 410-651088/4	40.0	63.502292	5.0	148093.0	1.587557	Y
8	IC 410-651088/3	60.0	96.804416	5.0	161465.0	1.613407	Y



Calibration / Dimethylformamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

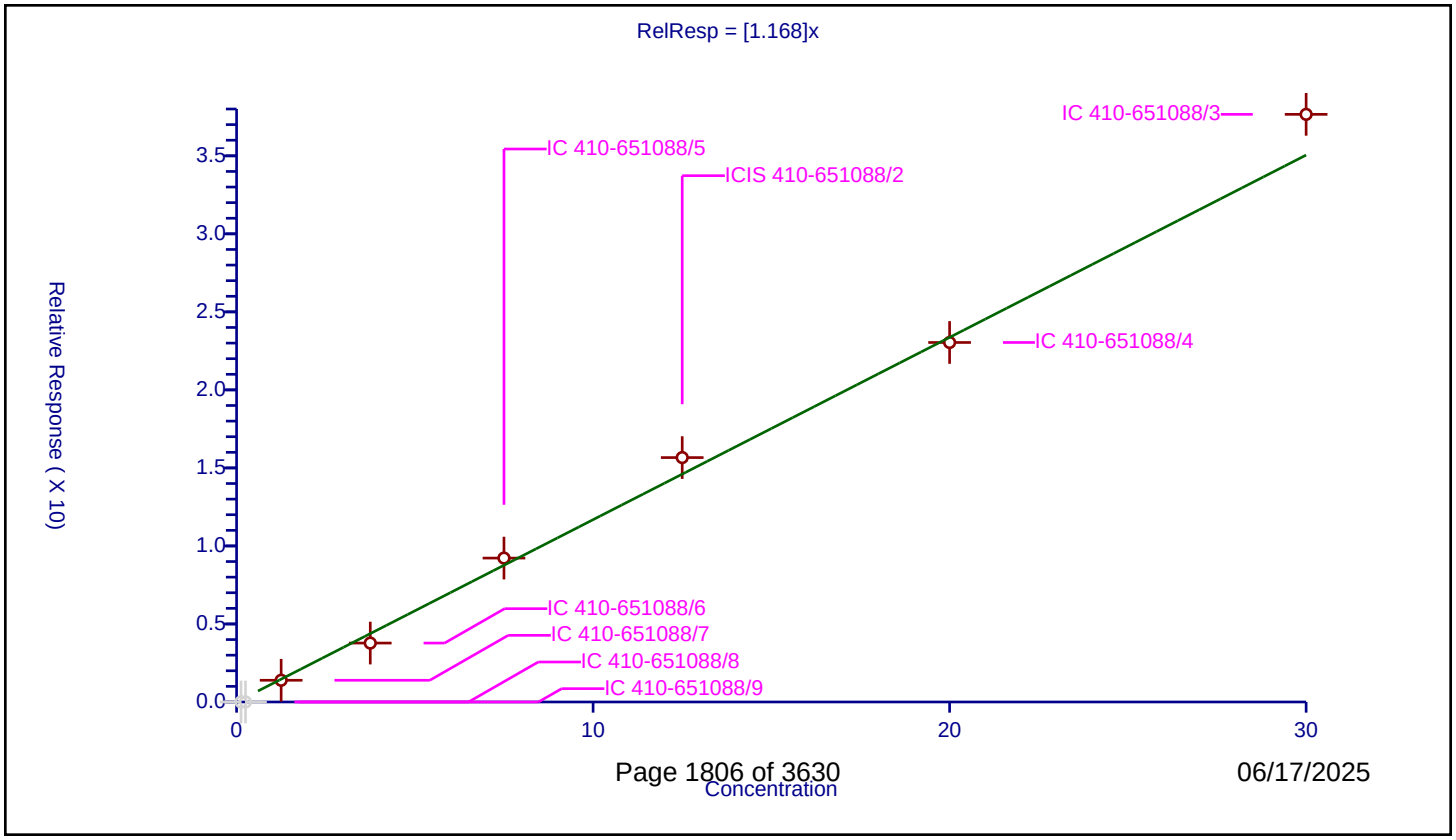
Curve Coefficients

Intercept:	0
Slope:	1.168

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.0	5.0	124057.0	0.0	N
2	IC 410-651088/8	0.25	0.0	5.0	132921.0	0.0	N
3	IC 410-651088/7	1.25	1.391308	5.0	124595.0	1.113046	Y
4	IC 410-651088/6	3.75	3.775232	5.0	118945.0	1.006729	Y
5	IC 410-651088/5	7.5	9.2222	5.0	166116.0	1.229627	Y
6	ICIS 410-651088/2	12.5	15.662406	5.0	203780.0	1.252992	Y
7	IC 410-651088/4	20.0	23.039138	5.0	148093.0	1.151957	Y
8	IC 410-651088/3	30.0	37.657883	5.0	161465.0	1.255263	Y



Calibration / 2-Picoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

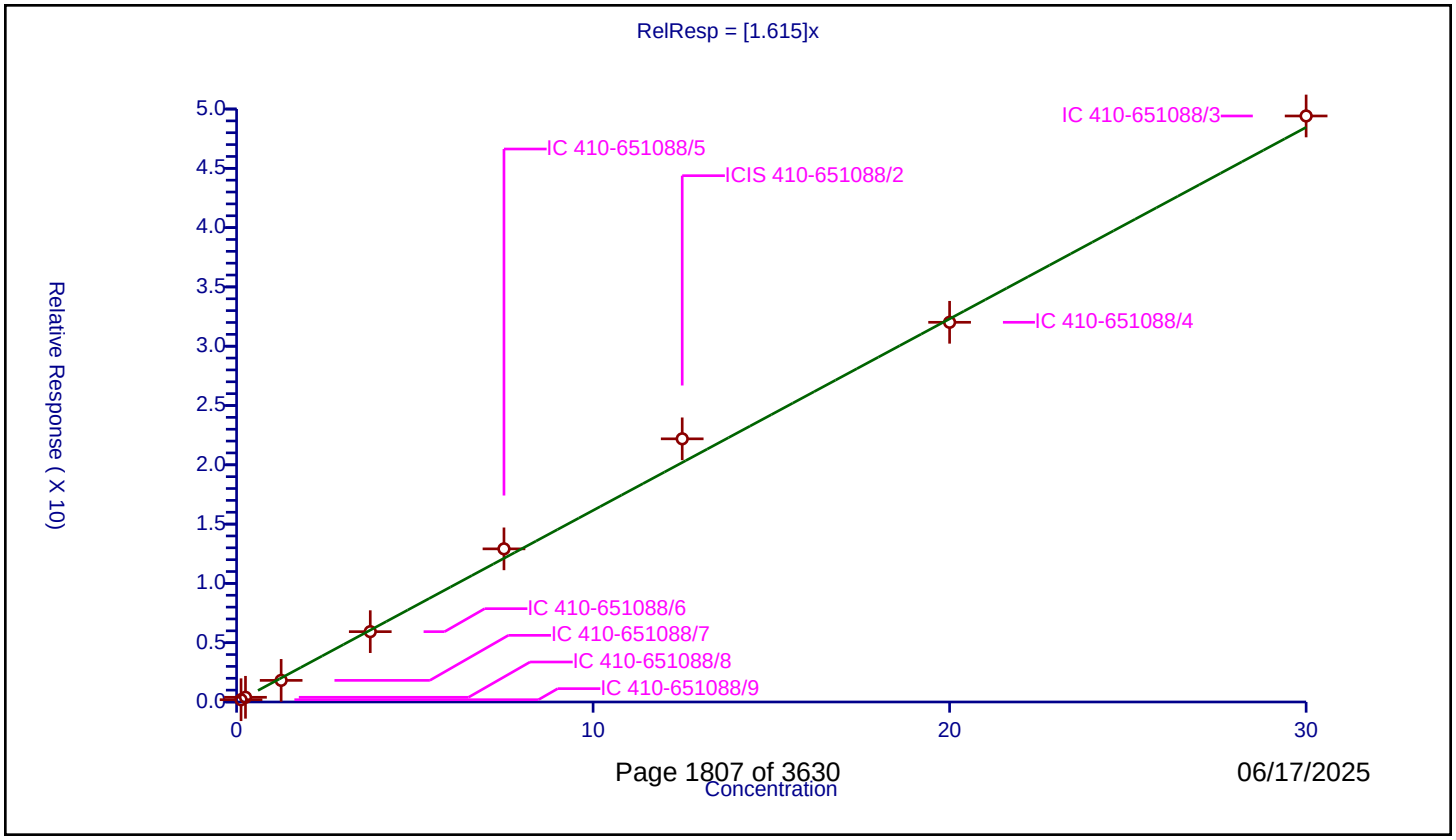
Curve Coefficients

Intercept:	0
Slope:	1.615

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.193177	5.0	124057.0	1.545419	Y
2	IC 410-651088/8	0.25	0.397906	5.0	132921.0	1.591622	Y
3	IC 410-651088/7	1.25	1.823428	5.0	124595.0	1.458742	Y
4	IC 410-651088/6	3.75	5.931439	5.0	118945.0	1.581717	Y
5	IC 410-651088/5	7.5	12.911429	5.0	166116.0	1.721524	Y
6	ICIS 410-651088/2	12.5	22.19072	5.0	203780.0	1.775258	Y
7	IC 410-651088/4	20.0	32.015794	5.0	148093.0	1.60079	Y
8	IC 410-651088/3	30.0	49.413929	5.0	161465.0	1.647131	Y



Calibration / N-Nitrosomethylethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

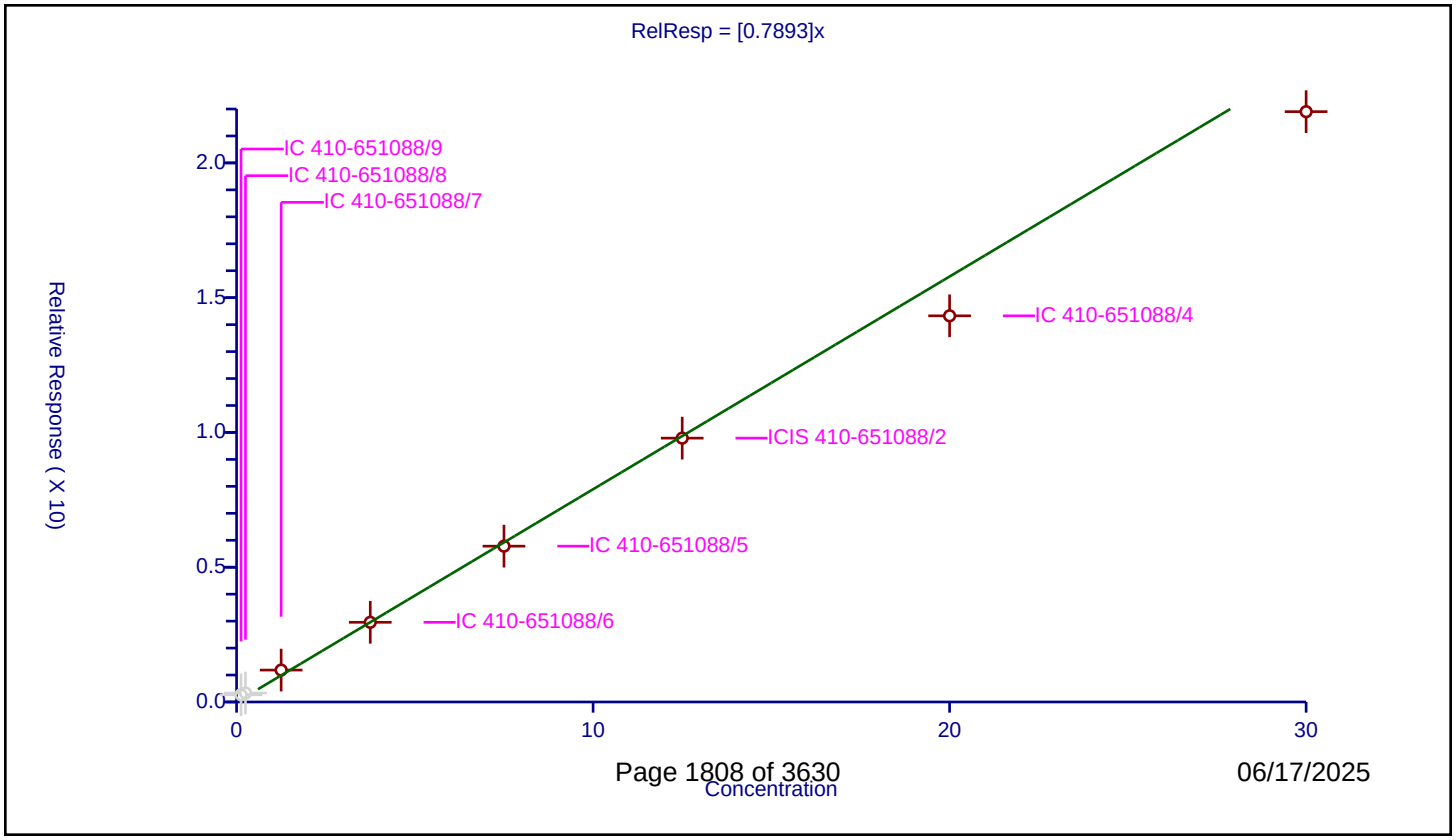
Curve Coefficients

Intercept:	0
Slope:	0.7893

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.268707	5.0	124057.0	2.149657	N
2	IC 410-651088/8	0.25	0.331701	5.0	132921.0	1.326803	N
3	IC 410-651088/7	1.25	1.183394	5.0	124595.0	0.946715	Y
4	IC 410-651088/6	3.75	2.956913	5.0	118945.0	0.78851	Y
5	IC 410-651088/5	7.5	5.781201	5.0	166116.0	0.770827	Y
6	ICIS 410-651088/2	12.5	9.789503	5.0	203780.0	0.78316	Y
7	IC 410-651088/4	20.0	14.327281	5.0	148093.0	0.716364	Y
8	IC 410-651088/3	30.0	21.901867	5.0	161465.0	0.730062	Y



Calibration / Methyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

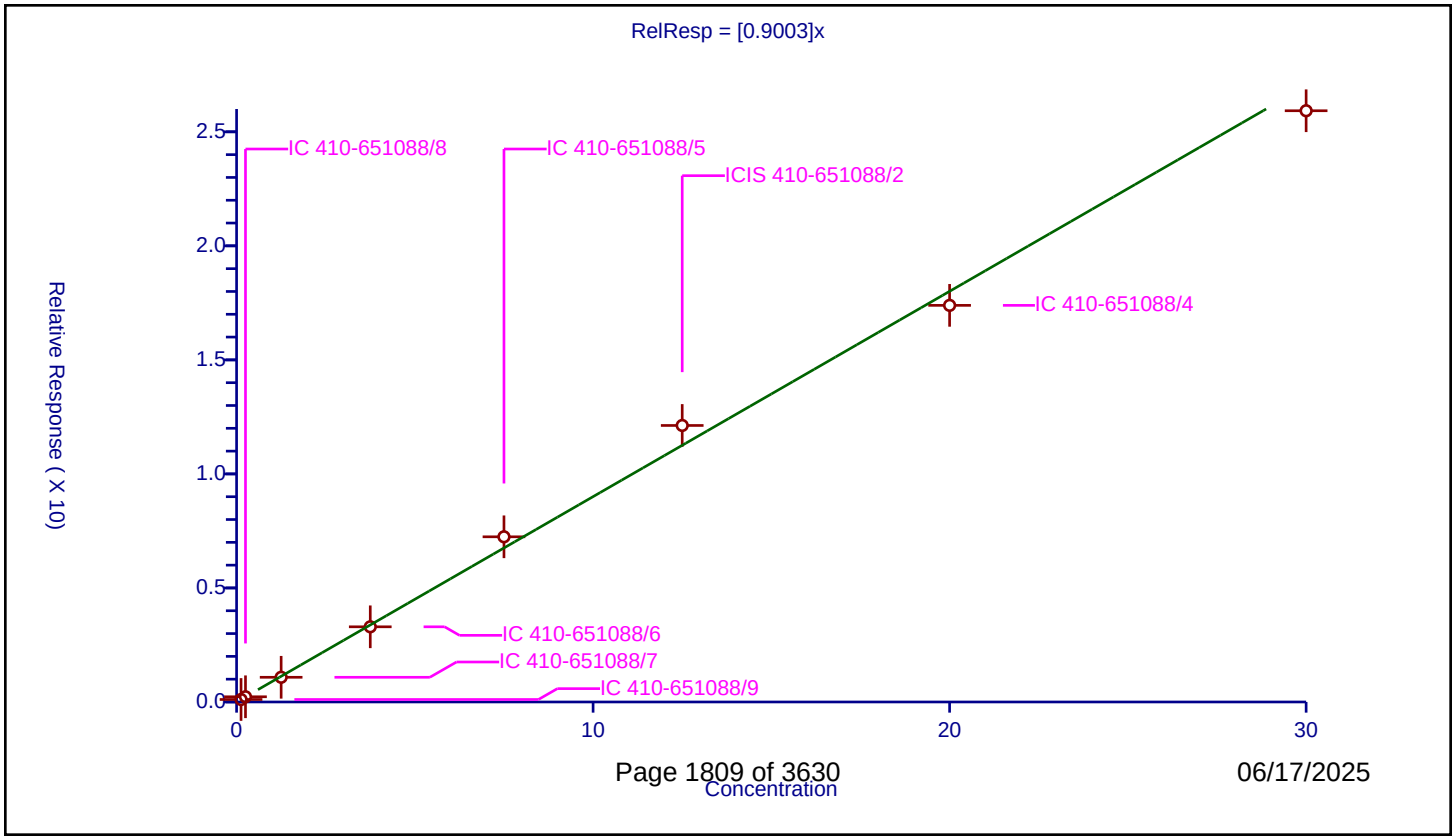
Curve Coefficients

Intercept:	0
Slope:	0.9003

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.109385	5.0	124057.0	0.875082	Y
2	IC 410-651088/8	0.25	0.228143	5.0	132921.0	0.912572	Y
3	IC 410-651088/7	1.25	1.08331	5.0	124595.0	0.866648	Y
4	IC 410-651088/6	3.75	3.296524	5.0	118945.0	0.879073	Y
5	IC 410-651088/5	7.5	7.24286	5.0	166116.0	0.965715	Y
6	ICIS 410-651088/2	12.5	12.124423	5.0	203780.0	0.969954	Y
7	IC 410-651088/4	20.0	17.390559	5.0	148093.0	0.869528	Y
8	IC 410-651088/3	30.0	25.923792	5.0	161465.0	0.864126	Y



Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

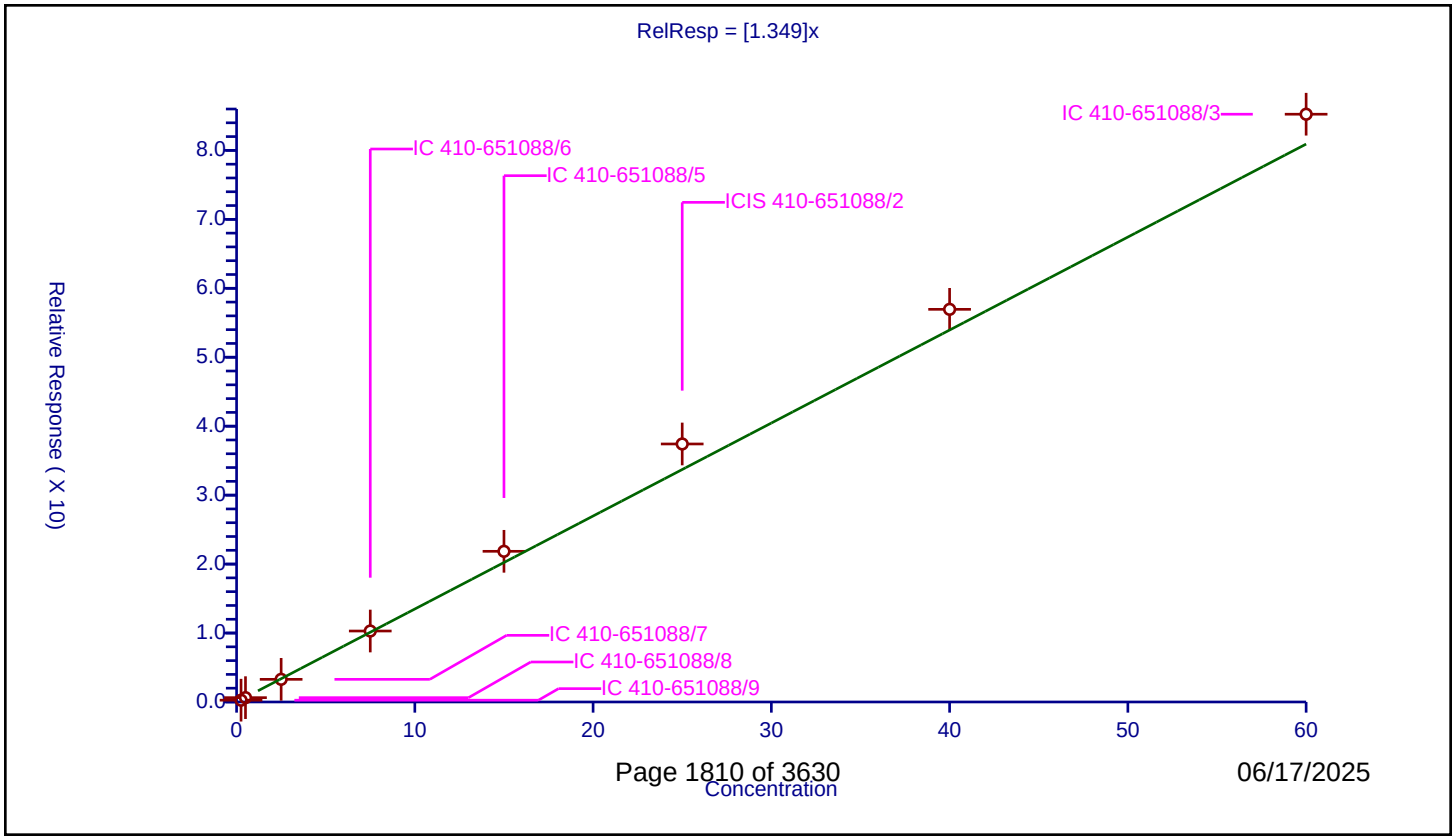
Curve Coefficients

Intercept:	0
Slope:	1.349

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.25	0.26246	5.0	124057.0	1.04984	Y
2	IC 410-651088/8	0.5	0.627064	5.0	132921.0	1.254128	Y
3	IC 410-651088/7	2.5	3.285525	5.0	124595.0	1.31421	Y
4	IC 410-651088/6	7.5	10.292782	5.0	118945.0	1.372371	Y
5	IC 410-651088/5	15.0	21.853133	5.0	166116.0	1.456876	Y
6	ICIS 410-651088/2	25.0	37.42119	5.0	203780.0	1.496848	Y
7	IC 410-651088/4	40.0	56.945399	5.0	148093.0	1.423635	Y
8	IC 410-651088/3	60.0	85.243923	5.0	161465.0	1.420732	Y



Calibration / N-Nitrosodiethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

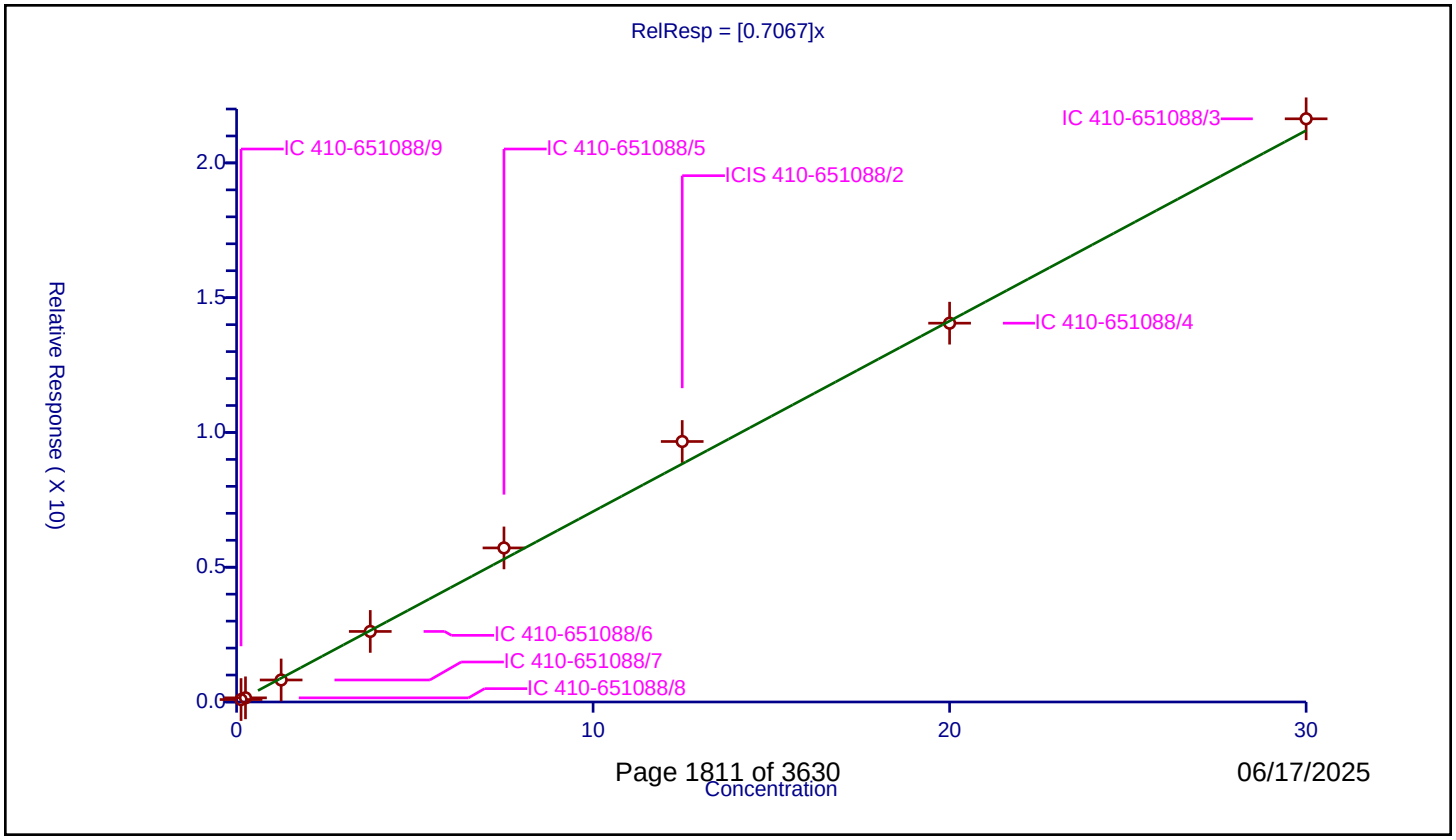
Curve Coefficients

Intercept:	0
Slope:	0.7067

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.090724	5.0	124057.0	0.725795	Y
2	IC 410-651088/8	0.25	0.154302	5.0	132921.0	0.617209	Y
3	IC 410-651088/7	1.25	0.817047	5.0	124595.0	0.653638	Y
4	IC 410-651088/6	3.75	2.617722	5.0	118945.0	0.698059	Y
5	IC 410-651088/5	7.5	5.715735	5.0	166116.0	0.762098	Y
6	ICIS 410-651088/2	12.5	9.664982	5.0	203780.0	0.773199	Y
7	IC 410-651088/4	20.0	14.054513	5.0	148093.0	0.702726	Y
8	IC 410-651088/3	30.0	21.637011	5.0	161465.0	0.721234	Y



Calibration / Ethyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

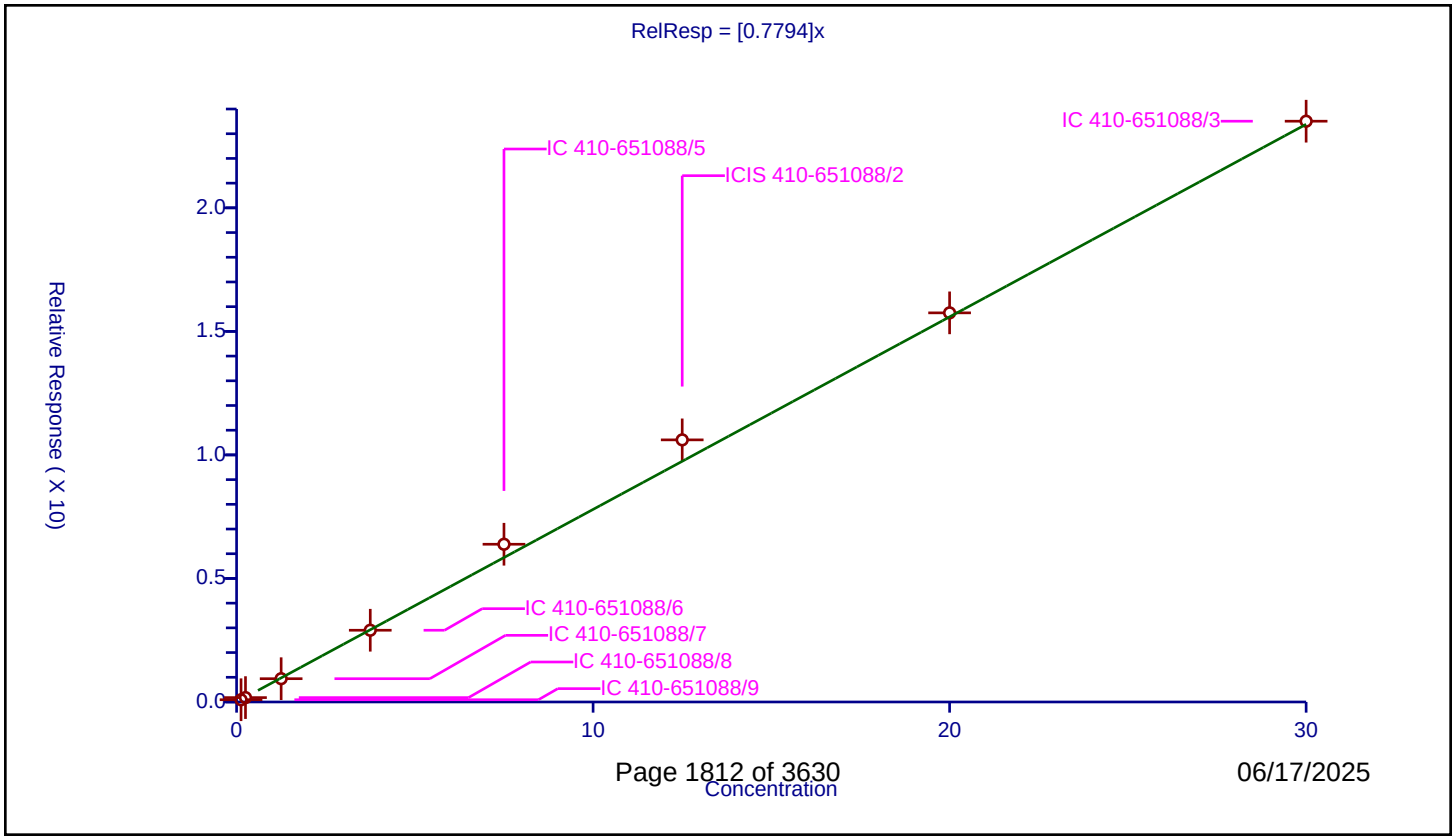
Curve Coefficients

Intercept:	0
Slope:	0.7794

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.090886	5.0	124057.0	0.727085	Y
2	IC 410-651088/8	0.25	0.177098	5.0	132921.0	0.708391	Y
3	IC 410-651088/7	1.25	0.942855	5.0	124595.0	0.754284	Y
4	IC 410-651088/6	3.75	2.904073	5.0	118945.0	0.77442	Y
5	IC 410-651088/5	7.5	6.384575	5.0	166116.0	0.851277	Y
6	ICIS 410-651088/2	12.5	10.60899	5.0	203780.0	0.848719	Y
7	IC 410-651088/4	20.0	15.749867	5.0	148093.0	0.787493	Y
8	IC 410-651088/3	30.0	23.50624	5.0	161465.0	0.783541	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

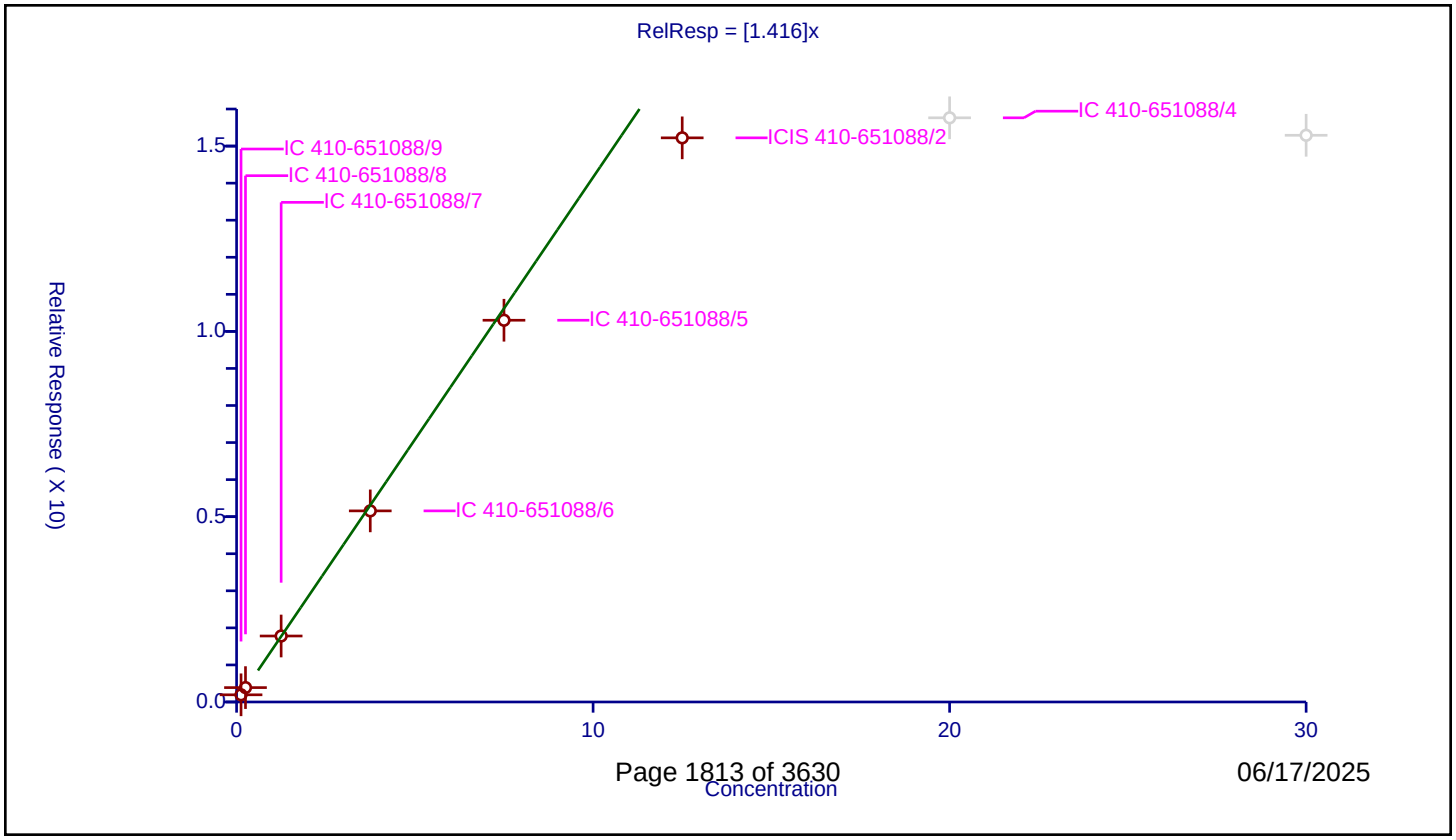
Curve Coefficients

Intercept:	0
Slope:	1.416

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.193742	5.0	124057.0	1.549933	Y
2	IC 410-651088/8	0.25	0.388501	5.0	132921.0	1.554006	Y
3	IC 410-651088/7	1.25	1.780248	5.0	124595.0	1.424198	Y
4	IC 410-651088/6	3.75	5.156249	5.0	118945.0	1.375	Y
5	IC 410-651088/5	7.5	10.300453	5.0	166116.0	1.373394	Y
6	ICIS 410-651088/2	12.5	15.222225	5.0	203780.0	1.217778	Y
7	IC 410-651088/4	20.0	15.76273	5.0	148093.0	0.788137	N
8	IC 410-651088/3	30.0	15.291302	5.0	161465.0	0.50971	N



06/17/2025

Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

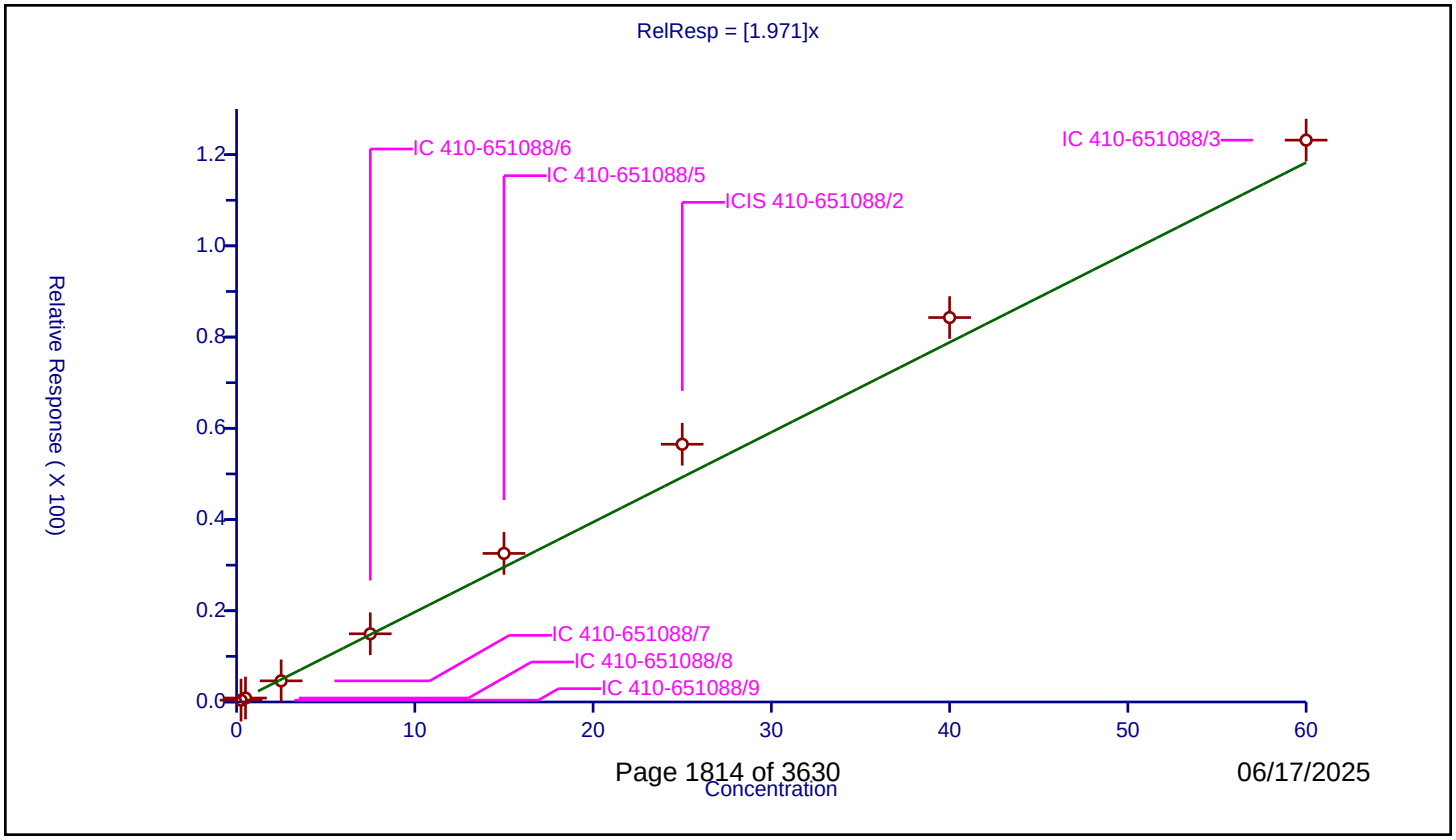
Curve Coefficients

Intercept:	0
Slope:	1.971

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.25	0.399897	5.0	124057.0	1.599587	Y
2	IC 410-651088/8	0.5	0.865364	5.0	132921.0	1.730727	Y
3	IC 410-651088/7	2.5	4.631647	5.0	124595.0	1.852659	Y
4	IC 410-651088/6	7.5	14.951028	5.0	118945.0	1.99347	Y
5	IC 410-651088/5	15.0	32.574827	5.0	166116.0	2.171655	Y
6	ICIS 410-651088/2	25.0	56.507238	5.0	203780.0	2.26029	Y
7	IC 410-651088/4	40.0	84.282107	5.0	148093.0	2.107053	Y
8	IC 410-651088/3	60.0	123.179482	5.0	161465.0	2.052991	Y



Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

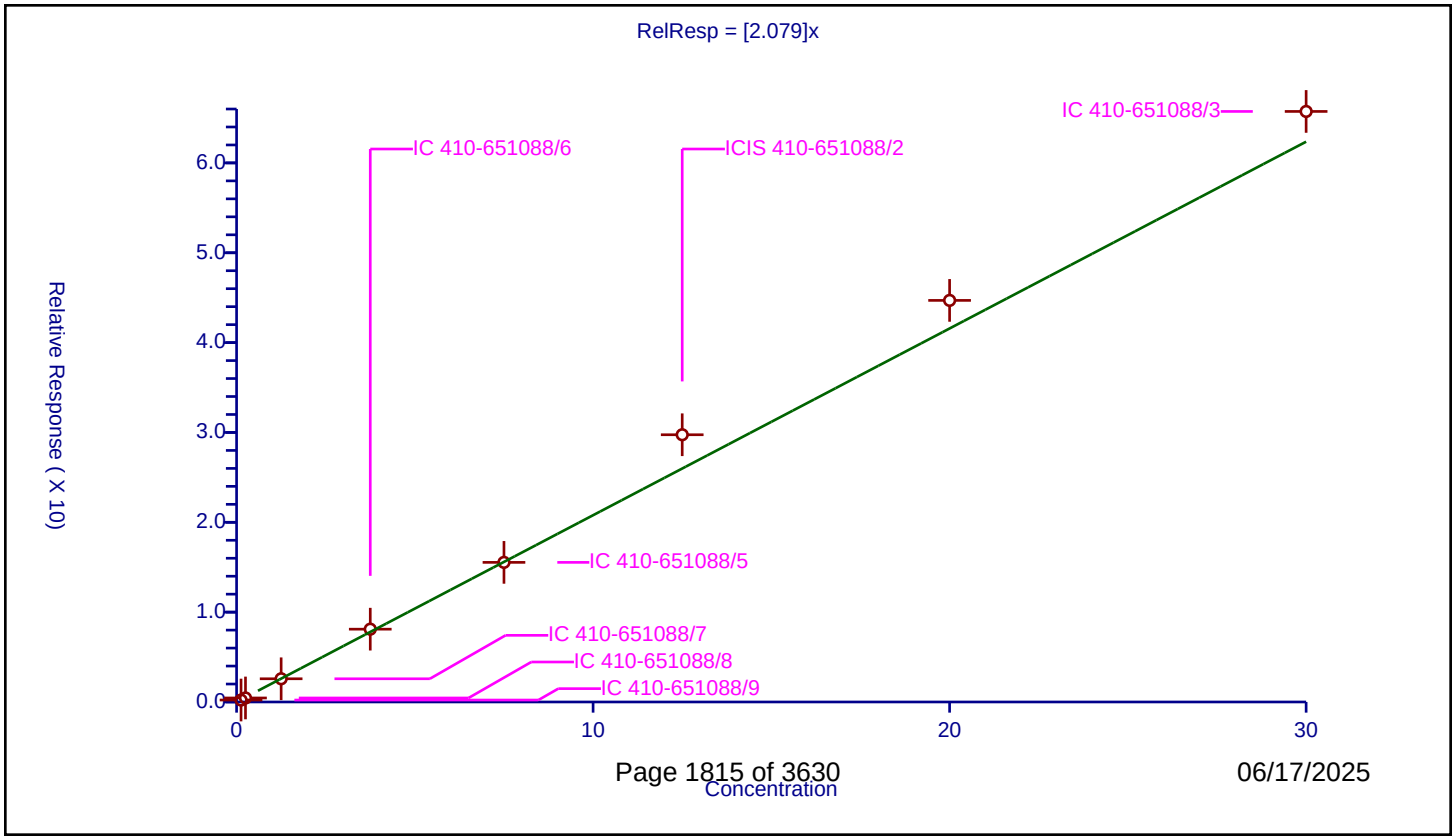
Curve Coefficients

Intercept:	0
Slope:	2.079

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.217199	5.0	124057.0	1.737588	Y
2	IC 410-651088/8	0.25	0.446506	5.0	132921.0	1.786023	Y
3	IC 410-651088/7	1.25	2.583892	5.0	124595.0	2.067113	Y
4	IC 410-651088/6	3.75	8.105007	5.0	118945.0	2.161335	Y
5	IC 410-651088/5	7.5	15.540165	5.0	166116.0	2.072022	Y
6	ICIS 410-651088/2	12.5	29.745166	5.0	203780.0	2.379613	Y
7	IC 410-651088/4	20.0	44.698838	5.0	148093.0	2.234942	Y
8	IC 410-651088/3	30.0	65.73053	5.0	161465.0	2.191018	Y



06/17/2025

Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

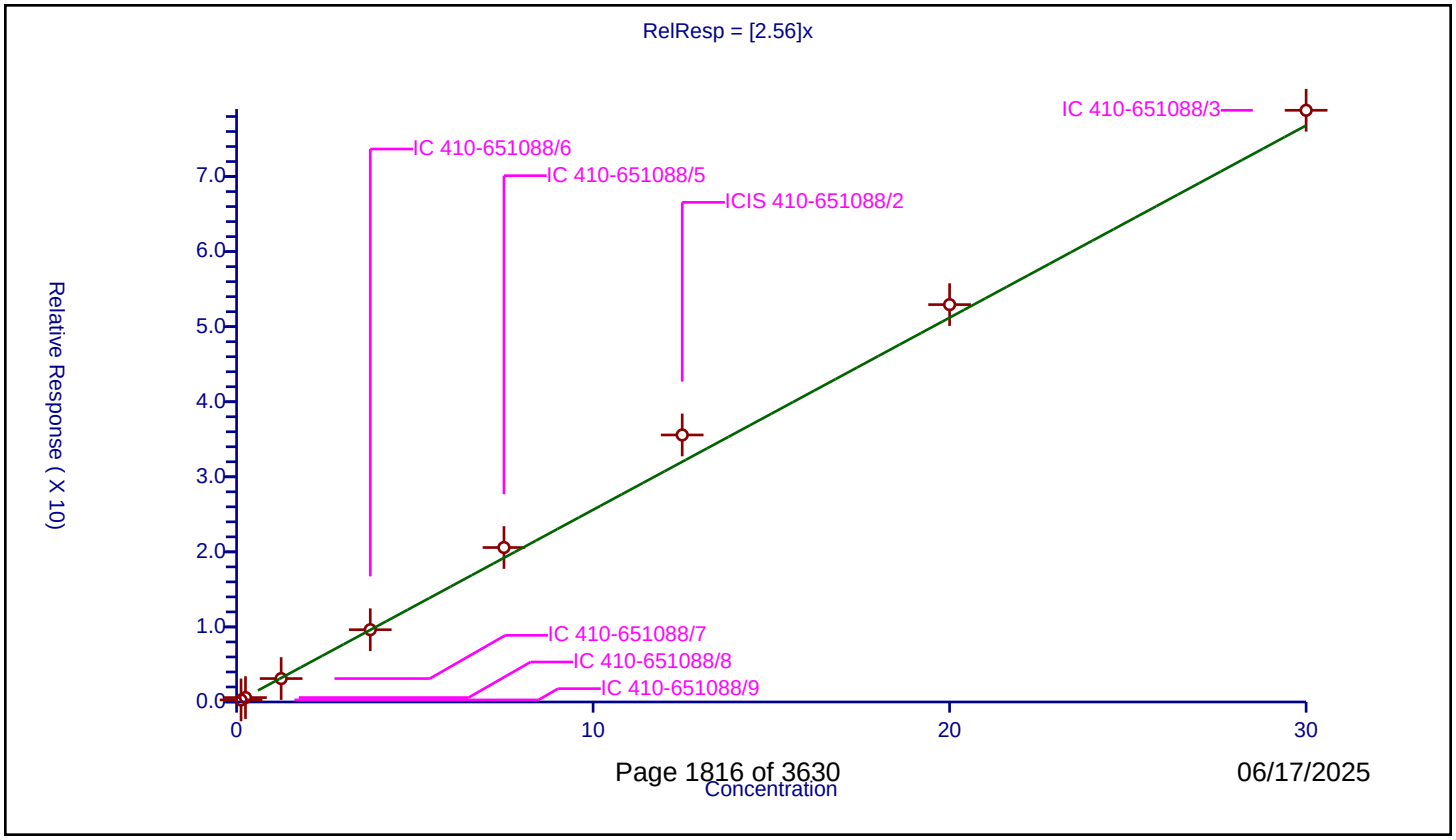
Curve Coefficients

Intercept:	0
Slope:	2.56

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.275478	5.0	124057.0	2.203826	Y
2	IC 410-651088/8	0.25	0.58768	5.0	132921.0	2.35072	Y
3	IC 410-651088/7	1.25	3.119427	5.0	124595.0	2.495542	Y
4	IC 410-651088/6	3.75	9.628105	5.0	118945.0	2.567495	Y
5	IC 410-651088/5	7.5	20.578361	5.0	166116.0	2.743781	Y
6	ICIS 410-651088/2	12.5	35.576185	5.0	203780.0	2.846095	Y
7	IC 410-651088/4	20.0	52.940922	5.0	148093.0	2.647046	Y
8	IC 410-651088/3	30.0	78.828724	5.0	161465.0	2.627624	Y



Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

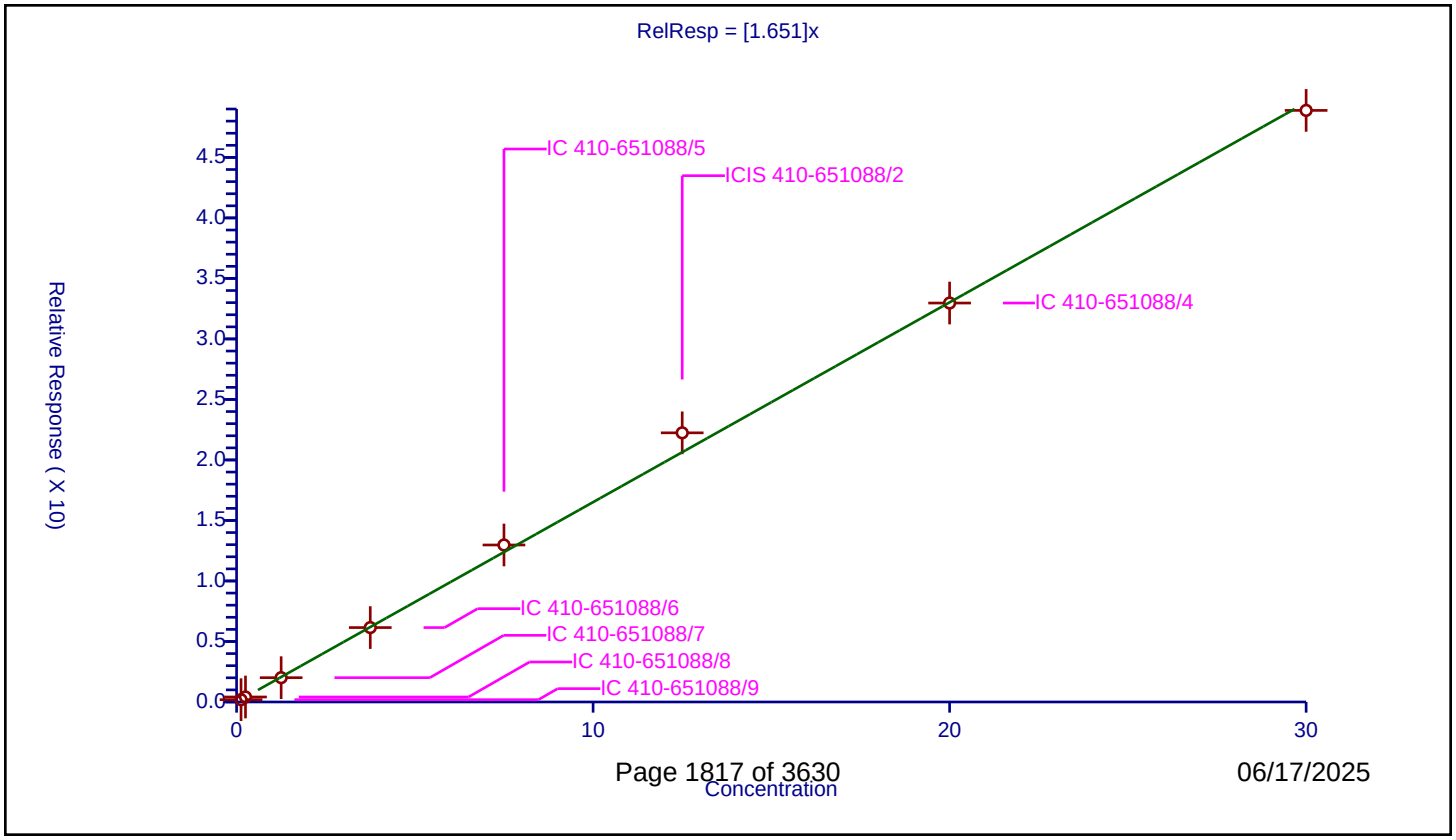
Curve Coefficients

Intercept:	0
Slope:	1.651

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.19088	5.0	124057.0	1.52704	Y
2	IC 410-651088/8	0.25	0.412237	5.0	132921.0	1.648949	Y
3	IC 410-651088/7	1.25	2.009029	5.0	124595.0	1.607223	Y
4	IC 410-651088/6	3.75	6.148094	5.0	118945.0	1.639492	Y
5	IC 410-651088/5	7.5	12.974638	5.0	166116.0	1.729952	Y
6	ICIS 410-651088/2	12.5	22.240897	5.0	203780.0	1.779272	Y
7	IC 410-651088/4	20.0	32.967696	5.0	148093.0	1.648385	Y
8	IC 410-651088/3	30.0	48.886105	5.0	161465.0	1.629537	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

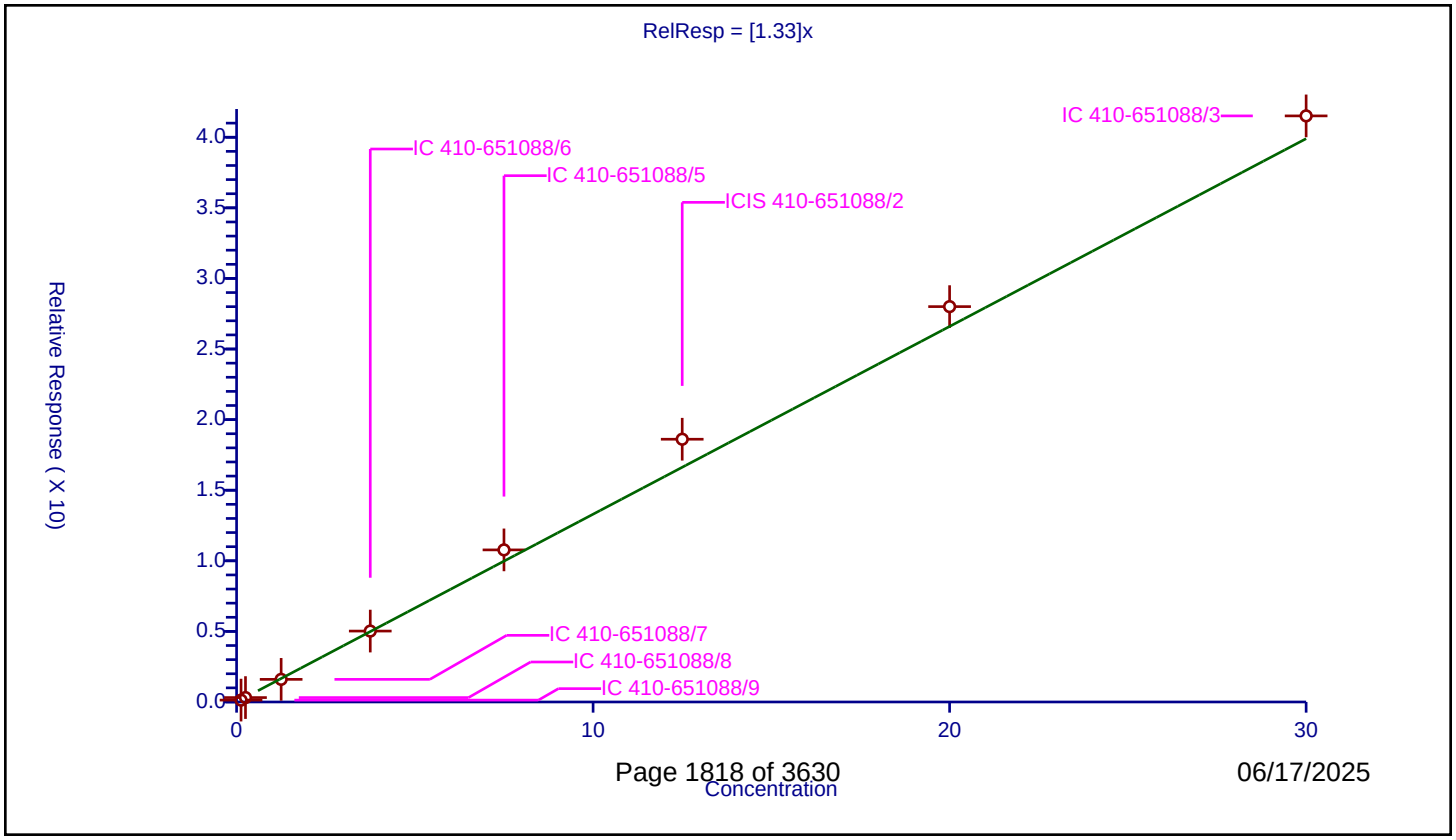
Curve Coefficients

Intercept:	0
Slope:	1.33

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.132762	5.0	124057.0	1.062092	Y
2	IC 410-651088/8	0.25	0.311764	5.0	132921.0	1.247057	Y
3	IC 410-651088/7	1.25	1.602311	5.0	124595.0	1.281849	Y
4	IC 410-651088/6	3.75	5.02375	5.0	118945.0	1.339667	Y
5	IC 410-651088/5	7.5	10.772231	5.0	166116.0	1.436298	Y
6	ICIS 410-651088/2	12.5	18.611468	5.0	203780.0	1.488917	Y
7	IC 410-651088/4	20.0	28.003484	5.0	148093.0	1.400174	Y
8	IC 410-651088/3	30.0	41.513269	5.0	161465.0	1.383776	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

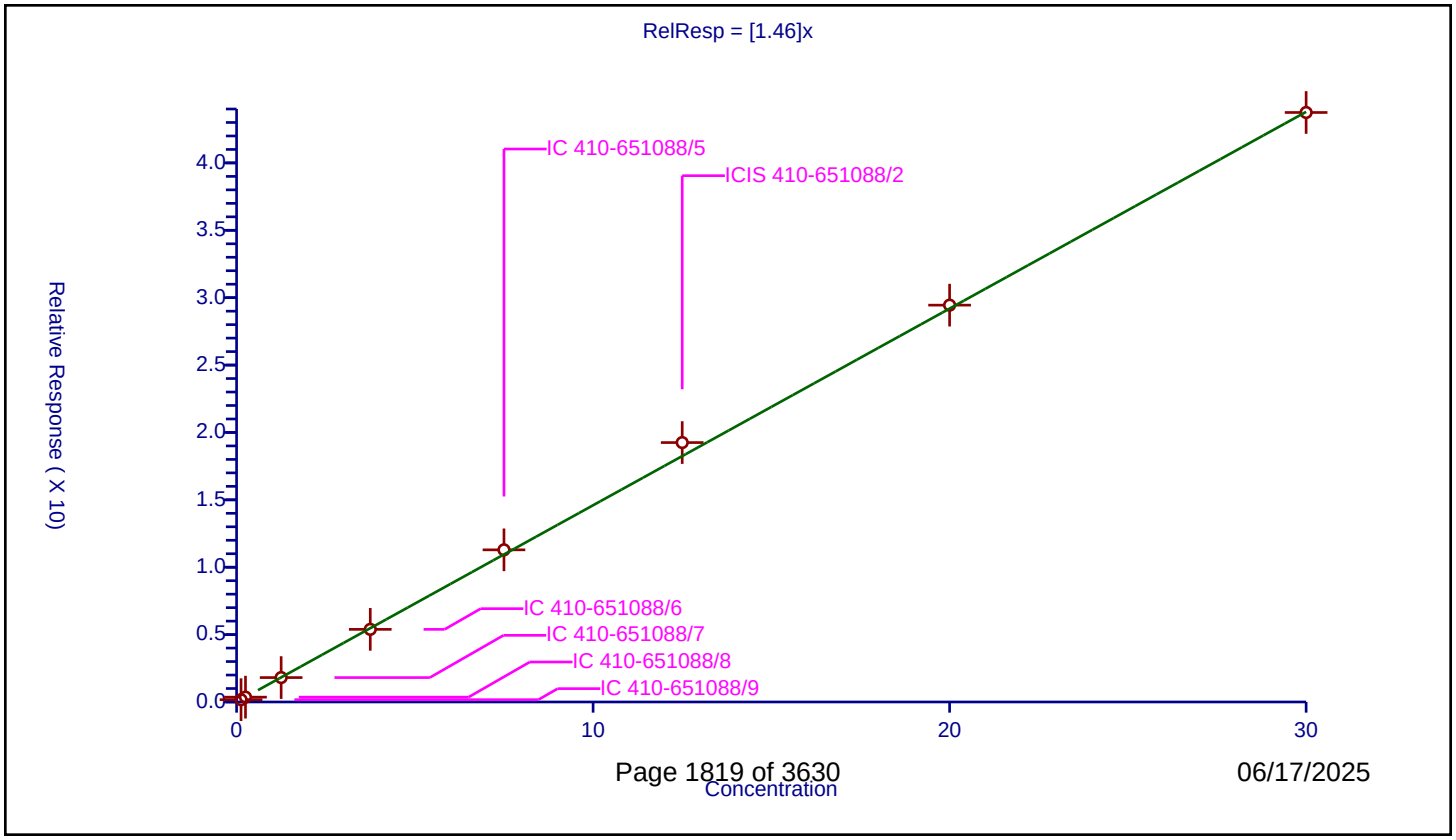
Curve Coefficients

Intercept:	0
Slope:	1.46

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.172058	5.0	124057.0	1.376464	Y
2	IC 410-651088/8	0.25	0.359537	5.0	132921.0	1.438147	Y
3	IC 410-651088/7	1.25	1.811951	5.0	124595.0	1.449561	Y
4	IC 410-651088/6	3.75	5.390012	5.0	118945.0	1.437337	Y
5	IC 410-651088/5	7.5	11.289972	5.0	166116.0	1.50533	Y
6	ICIS 410-651088/2	12.5	19.250123	5.0	203780.0	1.54001	Y
7	IC 410-651088/4	20.0	29.447003	5.0	148093.0	1.47235	Y
8	IC 410-651088/3	30.0	43.741864	5.0	161465.0	1.458062	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

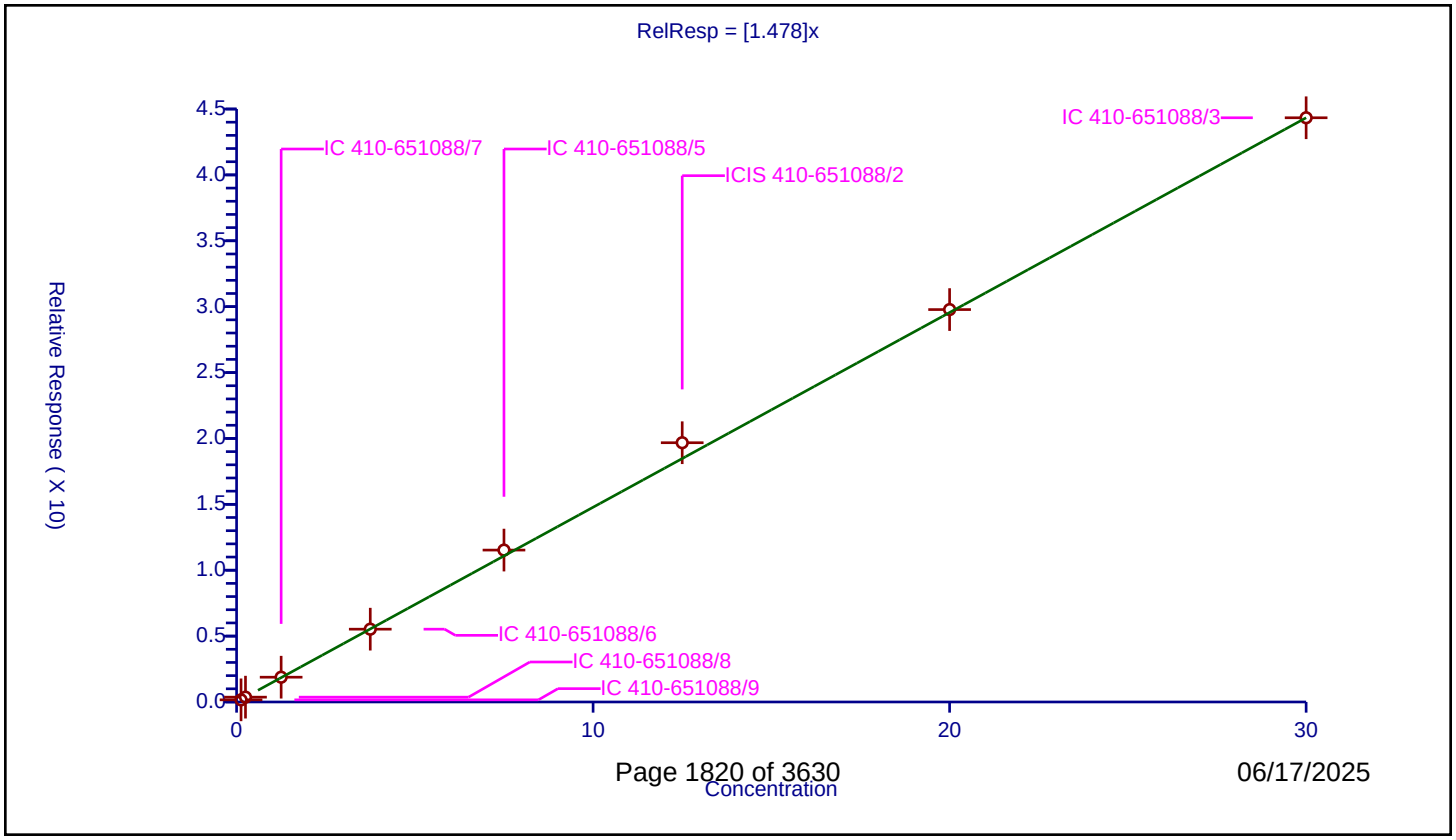
Curve Coefficients

Intercept:	0
Slope:	1.478

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.162304	5.0	124057.0	1.298435	Y
2	IC 410-651088/8	0.25	0.367211	5.0	132921.0	1.468842	Y
3	IC 410-651088/7	1.25	1.880091	5.0	124595.0	1.504073	Y
4	IC 410-651088/6	3.75	5.525453	5.0	118945.0	1.473454	Y
5	IC 410-651088/5	7.5	11.527698	5.0	166116.0	1.537026	Y
6	ICIS 410-651088/2	12.5	19.675557	5.0	203780.0	1.574045	Y
7	IC 410-651088/4	20.0	29.780273	5.0	148093.0	1.489014	Y
8	IC 410-651088/3	30.0	44.337132	5.0	161465.0	1.477904	Y



Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

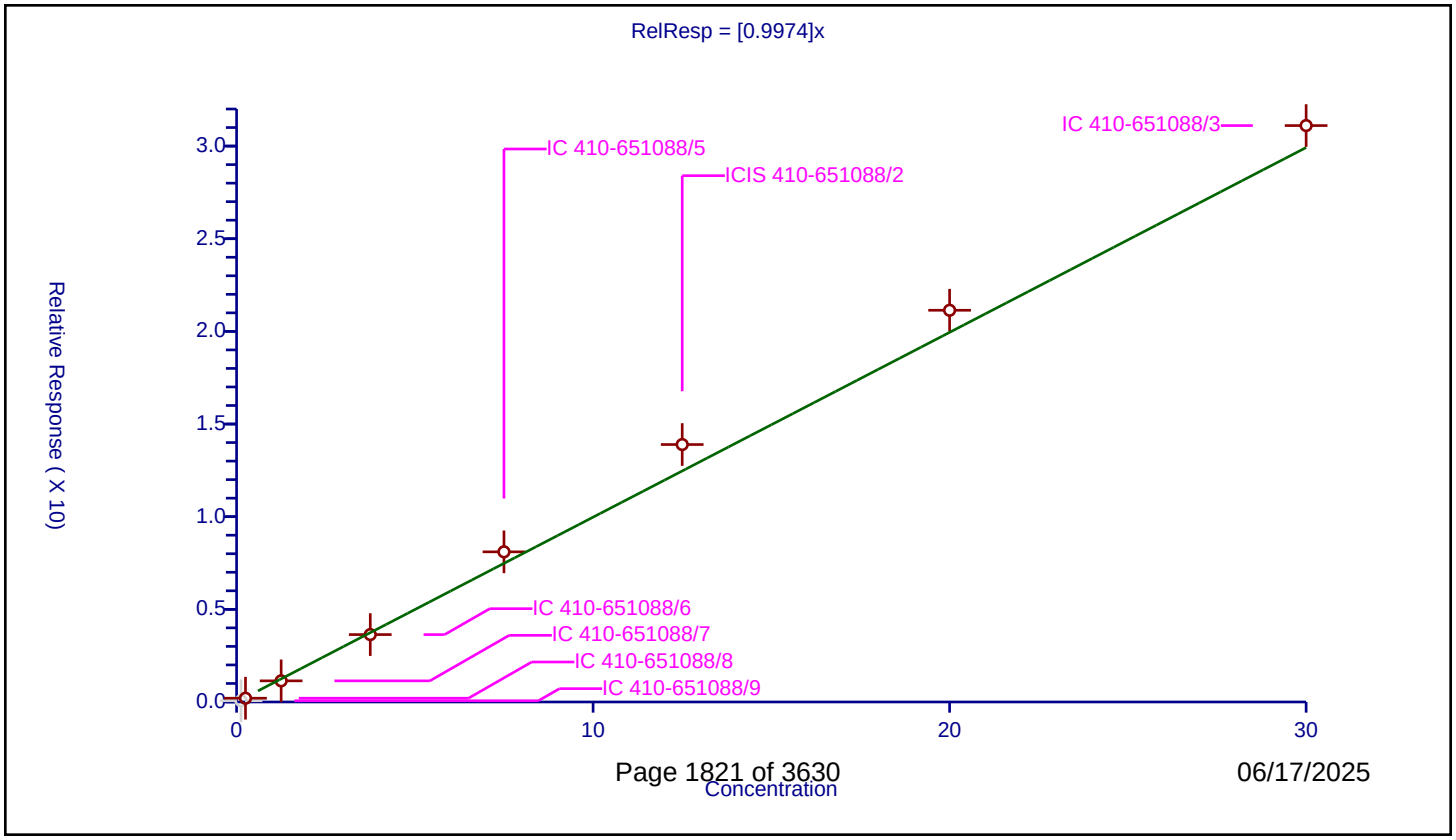
Curve Coefficients

Intercept:	0
Slope:	0.9974

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.067066	5.0	124057.0	0.536528	N
2	IC 410-651088/8	0.25	0.203391	5.0	132921.0	0.813566	Y
3	IC 410-651088/7	1.25	1.140575	5.0	124595.0	0.91246	Y
4	IC 410-651088/6	3.75	3.636765	5.0	118945.0	0.969804	Y
5	IC 410-651088/5	7.5	8.103163	5.0	166116.0	1.080422	Y
6	ICIS 410-651088/2	12.5	13.892924	5.0	203780.0	1.111434	Y
7	IC 410-651088/4	20.0	21.139993	5.0	148093.0	1.057	Y
8	IC 410-651088/3	30.0	31.105967	5.0	161465.0	1.036866	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

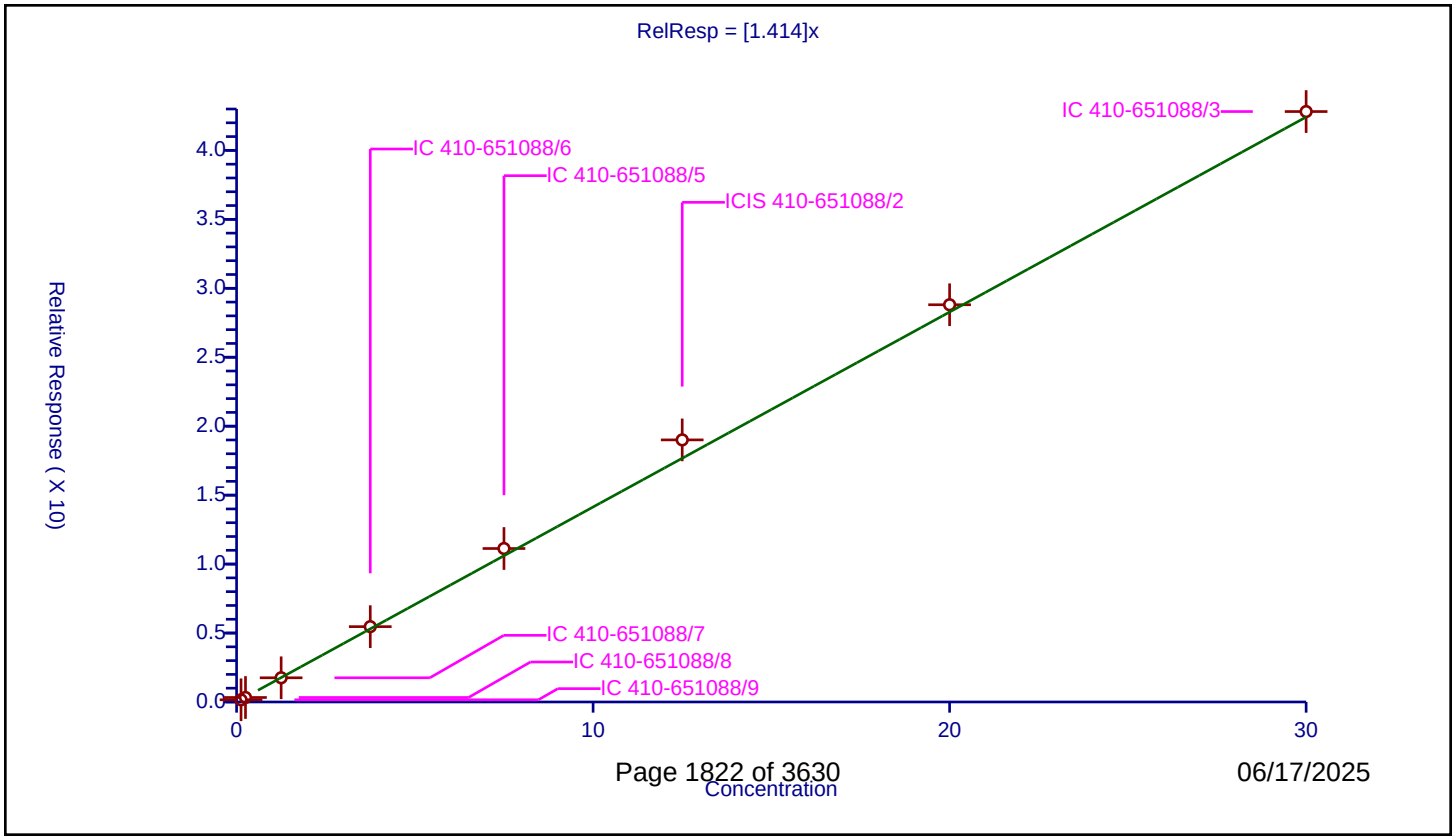
Curve Coefficients

Intercept:	0
Slope:	1.414

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.159523	5.0	124057.0	1.276188	Y
2	IC 410-651088/8	0.25	0.325494	5.0	132921.0	1.301976	Y
3	IC 410-651088/7	1.25	1.755367	5.0	124595.0	1.404294	Y
4	IC 410-651088/6	3.75	5.463323	5.0	118945.0	1.456886	Y
5	IC 410-651088/5	7.5	11.129933	5.0	166116.0	1.483991	Y
6	ICIS 410-651088/2	12.5	19.006183	5.0	203780.0	1.520495	Y
7	IC 410-651088/4	20.0	28.806595	5.0	148093.0	1.44033	Y
8	IC 410-651088/3	30.0	42.815719	5.0	161465.0	1.427191	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

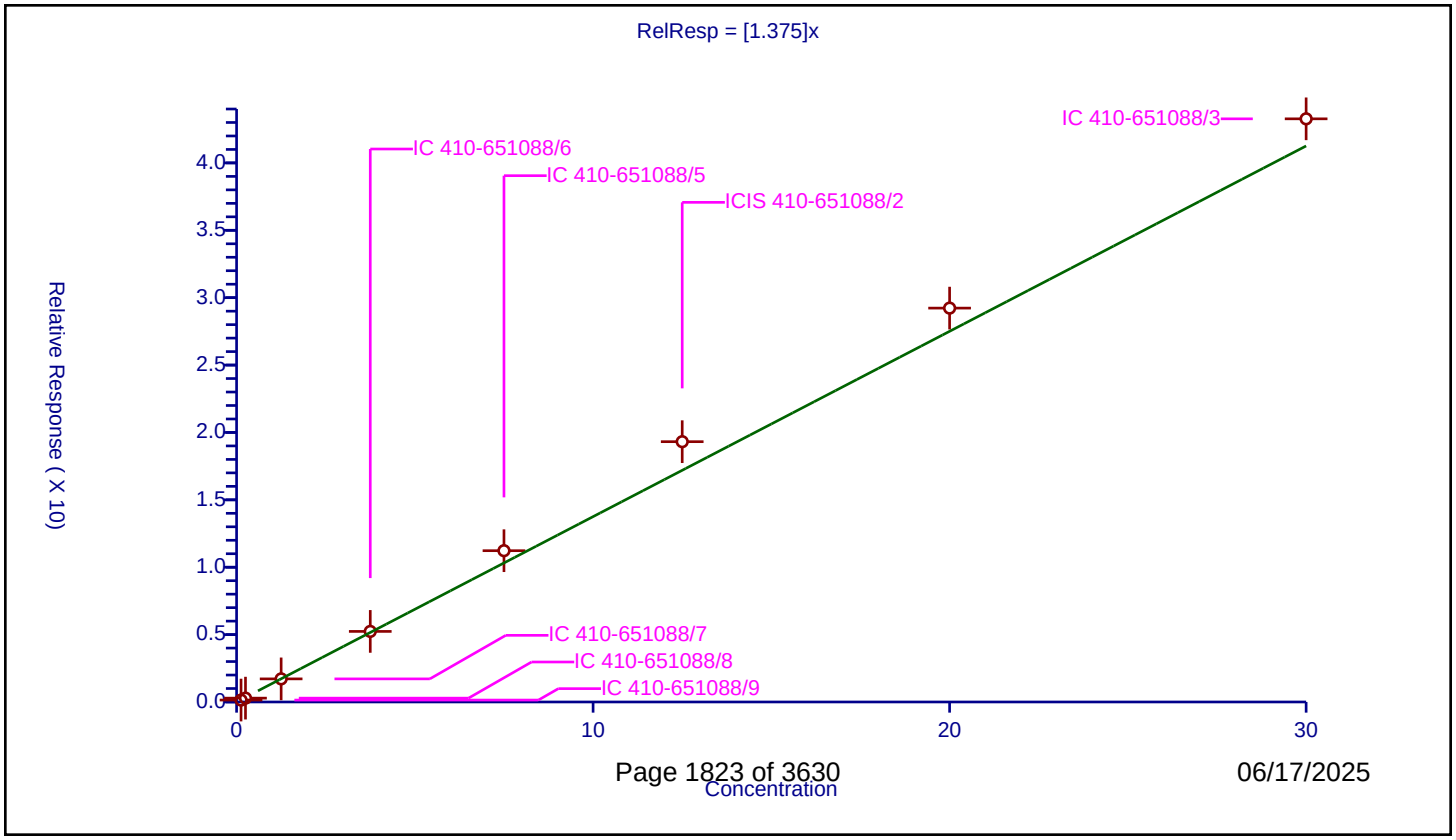
Curve Coefficients

Intercept:	0
Slope:	1.375

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.143241	5.0	124057.0	1.145925	Y
2	IC 410-651088/8	0.25	0.285734	5.0	132921.0	1.142935	Y
3	IC 410-651088/7	1.25	1.713793	5.0	124595.0	1.371034	Y
4	IC 410-651088/6	3.75	5.236874	5.0	118945.0	1.3965	Y
5	IC 410-651088/5	7.5	11.227064	5.0	166116.0	1.496942	Y
6	ICIS 410-651088/2	12.5	19.315144	5.0	203780.0	1.545212	Y
7	IC 410-651088/4	20.0	29.227276	5.0	148093.0	1.461364	Y
8	IC 410-651088/3	30.0	43.272133	5.0	161465.0	1.442404	Y



06/17/2025

Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

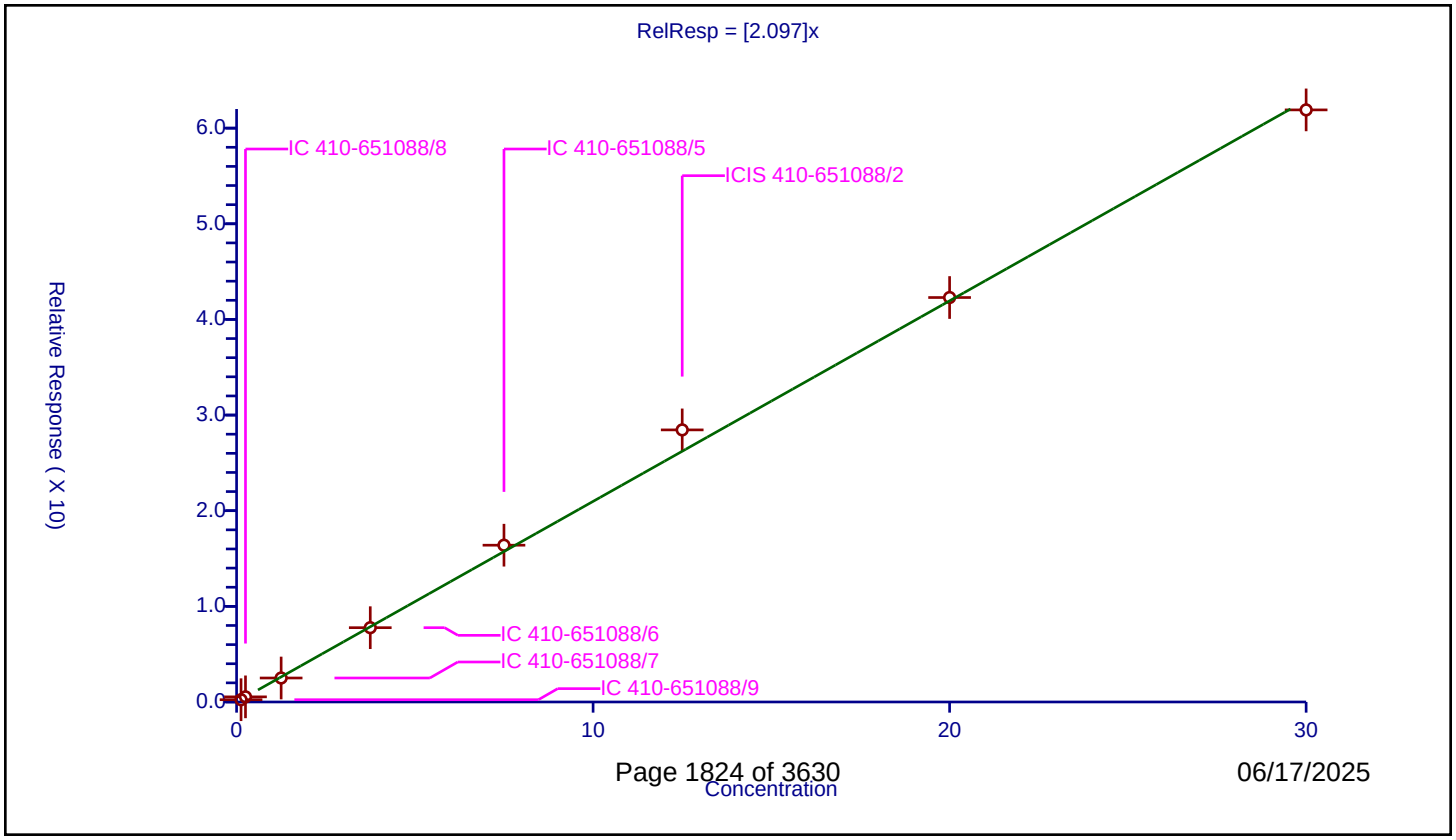
Curve Coefficients

Intercept:	0
Slope:	2.097

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.239124	5.0	124057.0	1.912992	Y
2	IC 410-651088/8	0.25	0.536935	5.0	132921.0	2.147742	Y
3	IC 410-651088/7	1.25	2.507765	5.0	124595.0	2.006212	Y
4	IC 410-651088/6	3.75	7.768506	5.0	118945.0	2.071602	Y
5	IC 410-651088/5	7.5	16.392792	5.0	166116.0	2.185706	Y
6	ICIS 410-651088/2	12.5	28.44921	5.0	203780.0	2.275937	Y
7	IC 410-651088/4	20.0	42.291229	5.0	148093.0	2.114561	Y
8	IC 410-651088/3	30.0	61.908061	5.0	161465.0	2.063602	Y



Calibration / N-Nitrosopyrrolidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

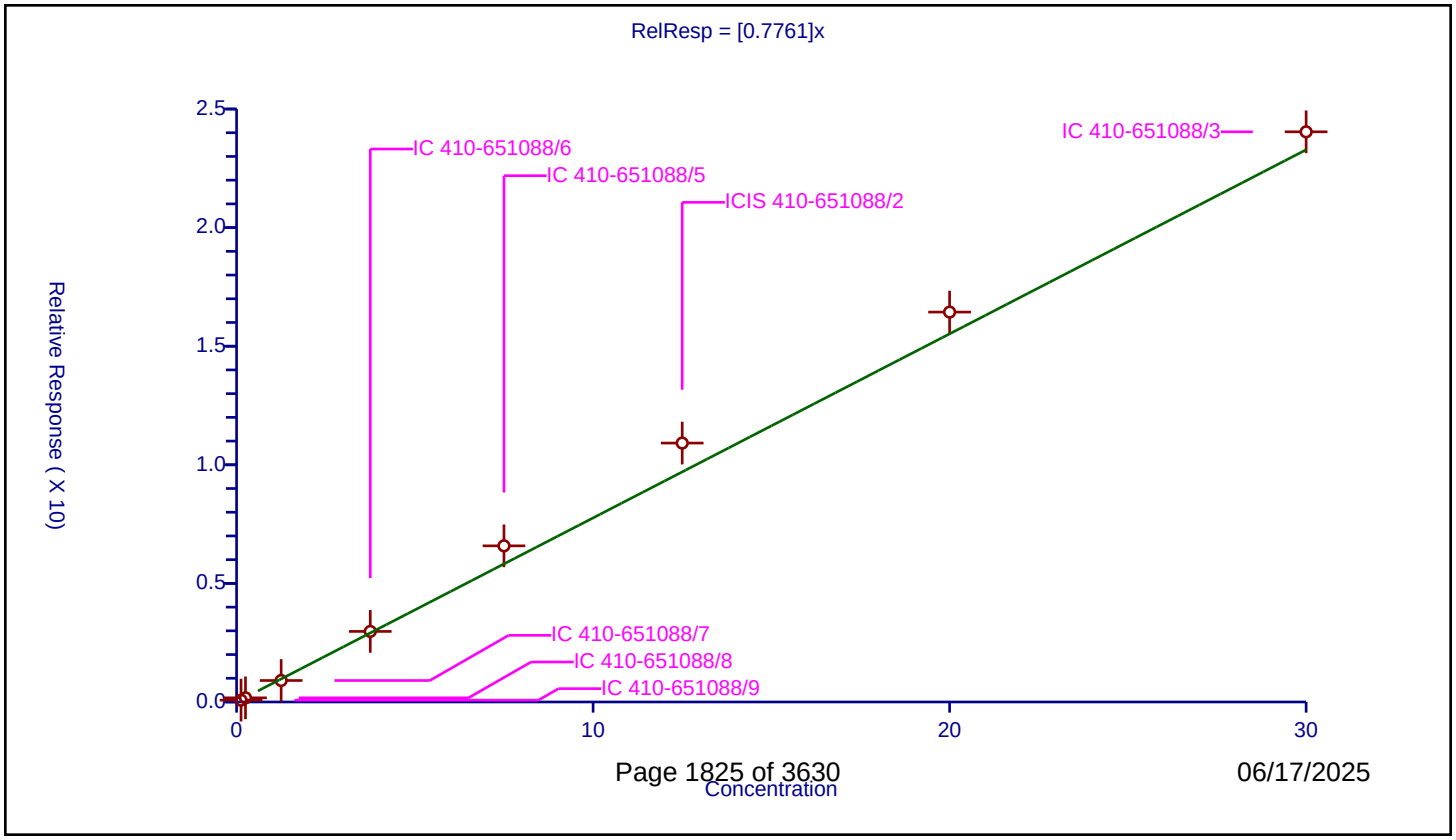
Curve Coefficients

Intercept:	0
Slope:	0.7761

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.077142	5.0	124057.0	0.617136	Y
2	IC 410-651088/8	0.25	0.174728	5.0	132921.0	0.698911	Y
3	IC 410-651088/7	1.25	0.906015	5.0	124595.0	0.724812	Y
4	IC 410-651088/6	3.75	2.975409	5.0	118945.0	0.793442	Y
5	IC 410-651088/5	7.5	6.583231	5.0	166116.0	0.877764	Y
6	ICIS 410-651088/2	12.5	10.916061	5.0	203780.0	0.873285	Y
7	IC 410-651088/4	20.0	16.438522	5.0	148093.0	0.821926	Y
8	IC 410-651088/3	30.0	24.038213	5.0	161465.0	0.801274	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

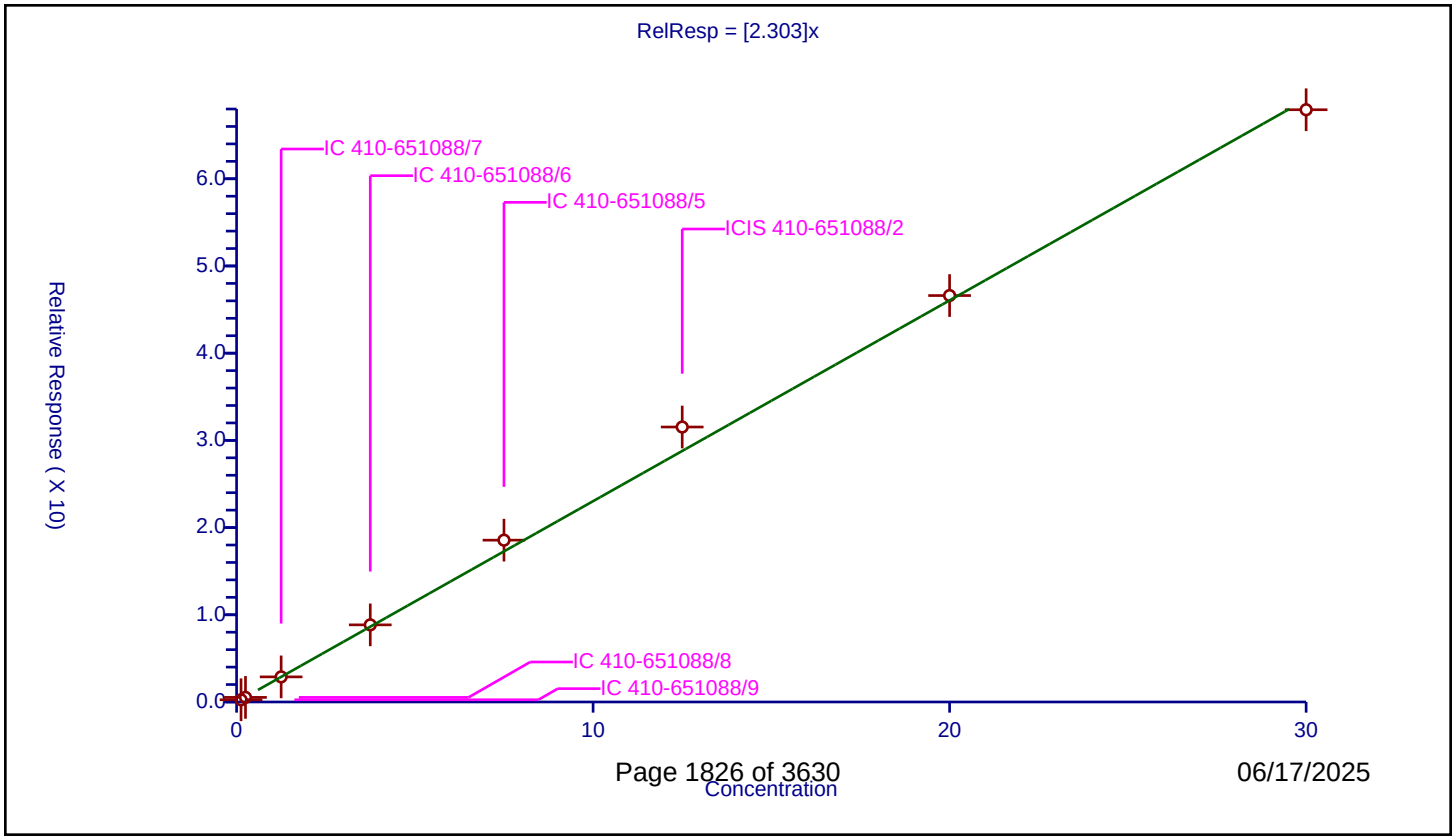
Curve Coefficients

Intercept:	0
Slope:	2.303

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.256616	5.0	124057.0	2.052927	Y
2	IC 410-651088/8	0.25	0.528923	5.0	132921.0	2.115693	Y
3	IC 410-651088/7	1.25	2.87957	5.0	124595.0	2.303656	Y
4	IC 410-651088/6	3.75	8.844634	5.0	118945.0	2.358569	Y
5	IC 410-651088/5	7.5	18.558357	5.0	166116.0	2.474448	Y
6	ICIS 410-651088/2	12.5	31.532682	5.0	203780.0	2.522615	Y
7	IC 410-651088/4	20.0	46.609327	5.0	148093.0	2.330466	Y
8	IC 410-651088/3	30.0	67.917103	5.0	161465.0	2.263903	Y



Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

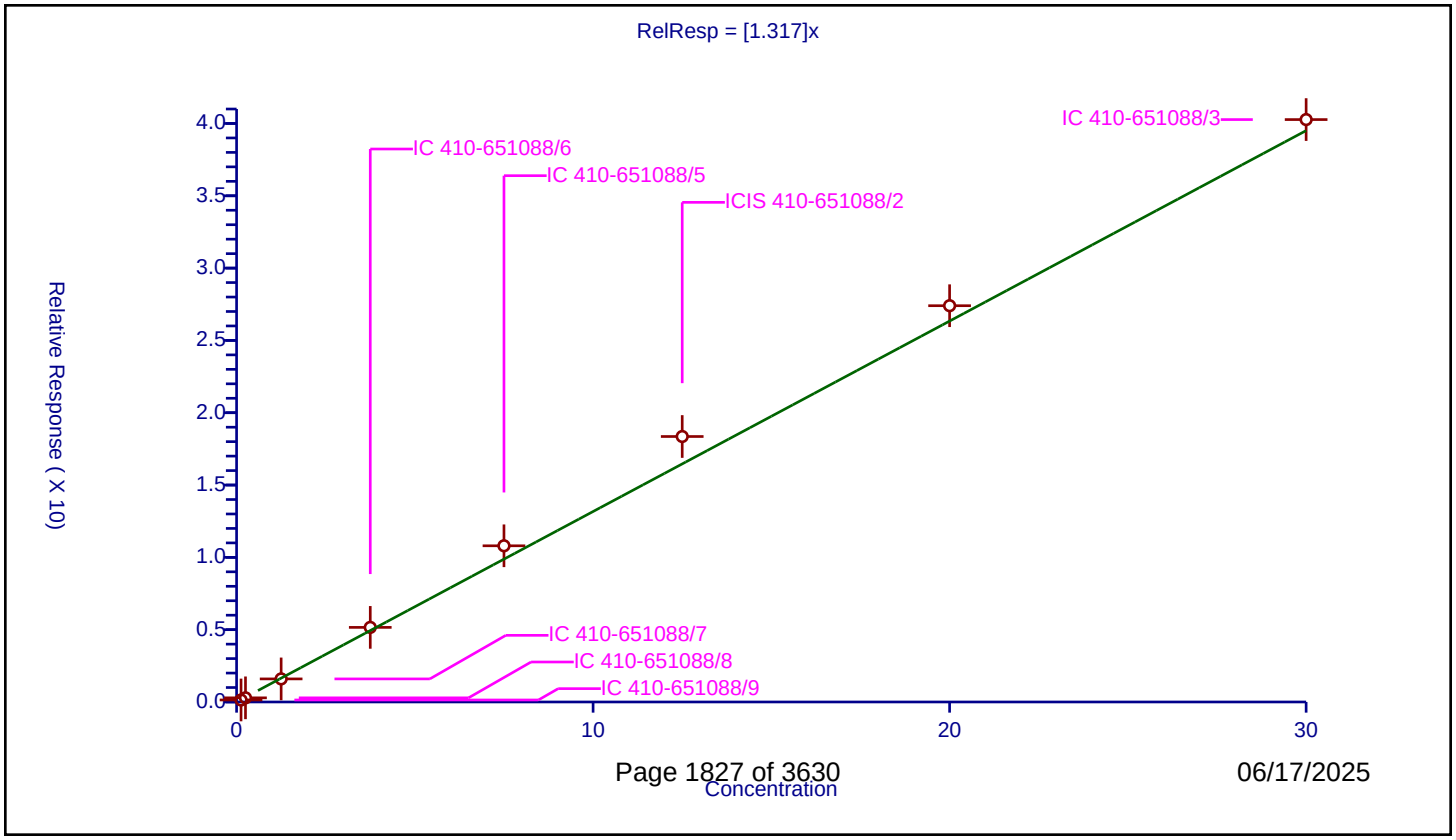
Curve Coefficients

Intercept:	0
Slope:	1.317

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.139613	5.0	124057.0	1.116906	Y
2	IC 410-651088/8	0.25	0.286335	5.0	132921.0	1.145342	Y
3	IC 410-651088/7	1.25	1.595931	5.0	124595.0	1.276745	Y
4	IC 410-651088/6	3.75	5.157216	5.0	118945.0	1.375257	Y
5	IC 410-651088/5	7.5	10.800946	5.0	166116.0	1.440126	Y
6	ICIS 410-651088/2	12.5	18.356512	5.0	203780.0	1.468521	Y
7	IC 410-651088/4	20.0	27.400552	5.0	148093.0	1.370028	Y
8	IC 410-651088/3	30.0	40.269099	5.0	161465.0	1.342303	Y



Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

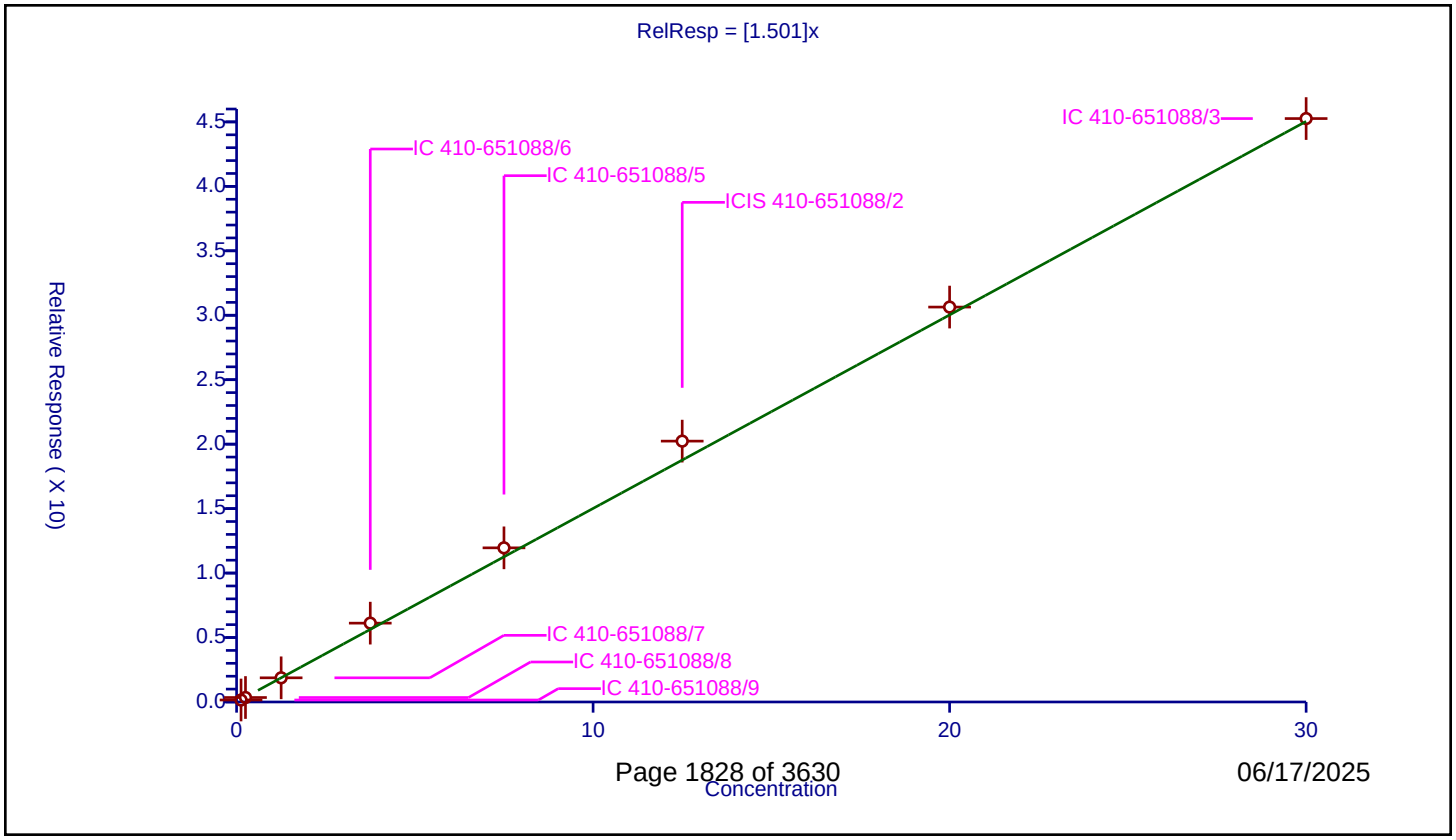
Curve Coefficients

Intercept:	0
Slope:	1.501

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.155009	5.0	124057.0	1.240075	Y
2	IC 410-651088/8	0.25	0.346258	5.0	132921.0	1.385033	Y
3	IC 410-651088/7	1.25	1.875597	5.0	124595.0	1.500478	Y
4	IC 410-651088/6	3.75	6.116945	5.0	118945.0	1.631185	Y
5	IC 410-651088/5	7.5	11.957578	5.0	166116.0	1.594344	Y
6	ICIS 410-651088/2	12.5	20.237388	5.0	203780.0	1.618991	Y
7	IC 410-651088/4	20.0	30.636087	5.0	148093.0	1.531804	Y
8	IC 410-651088/3	30.0	45.258508	5.0	161465.0	1.508617	Y



Calibration / N-Nitrosomorpholine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

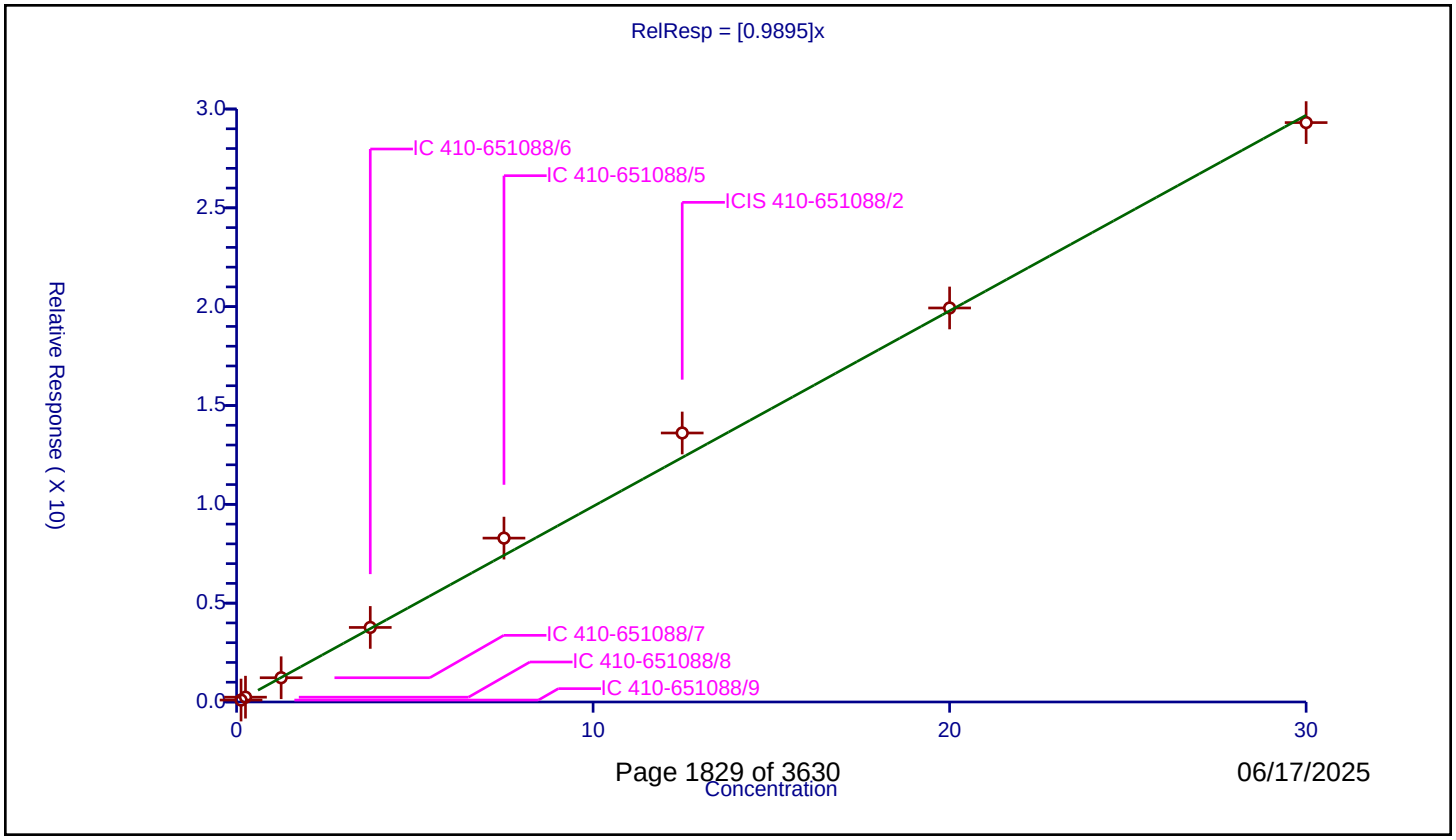
Curve Coefficients

Intercept:	0
Slope:	0.9895

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.09806	5.0	124057.0	0.784478	Y
2	IC 410-651088/8	0.25	0.244055	5.0	132921.0	0.976219	Y
3	IC 410-651088/7	1.25	1.227216	5.0	124595.0	0.981773	Y
4	IC 410-651088/6	3.75	3.771323	5.0	118945.0	1.005686	Y
5	IC 410-651088/5	7.5	8.291134	5.0	166116.0	1.105485	Y
6	ICIS 410-651088/2	12.5	13.609579	5.0	203780.0	1.088766	Y
7	IC 410-651088/4	20.0	19.934197	5.0	148093.0	0.99671	Y
8	IC 410-651088/3	30.0	29.312699	5.0	161465.0	0.97709	Y



Calibration / 2-Toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

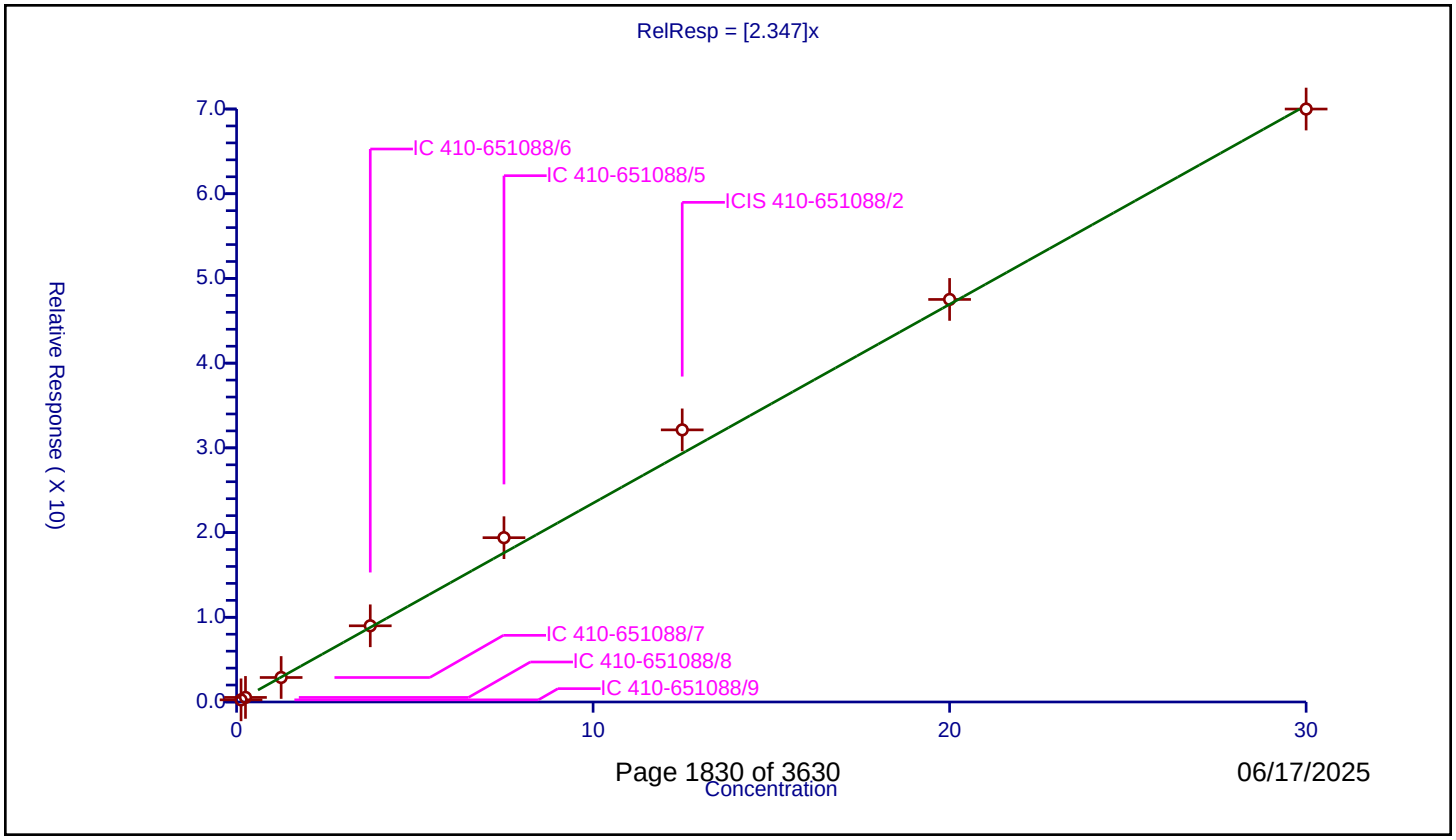
Curve Coefficients

Intercept:	0
Slope:	2.347

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.25448	5.0	124057.0	2.035838	Y
2	IC 410-651088/8	0.25	0.541036	5.0	132921.0	2.164143	Y
3	IC 410-651088/7	1.25	2.892652	5.0	124595.0	2.314122	Y
4	IC 410-651088/6	3.75	8.995334	5.0	118945.0	2.398756	Y
5	IC 410-651088/5	7.5	19.395152	5.0	166116.0	2.58602	Y
6	ICIS 410-651088/2	12.5	32.123687	5.0	203780.0	2.569895	Y
7	IC 410-651088/4	20.0	47.520545	5.0	148093.0	2.376027	Y
8	IC 410-651088/3	30.0	69.99551	5.0	161465.0	2.333184	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

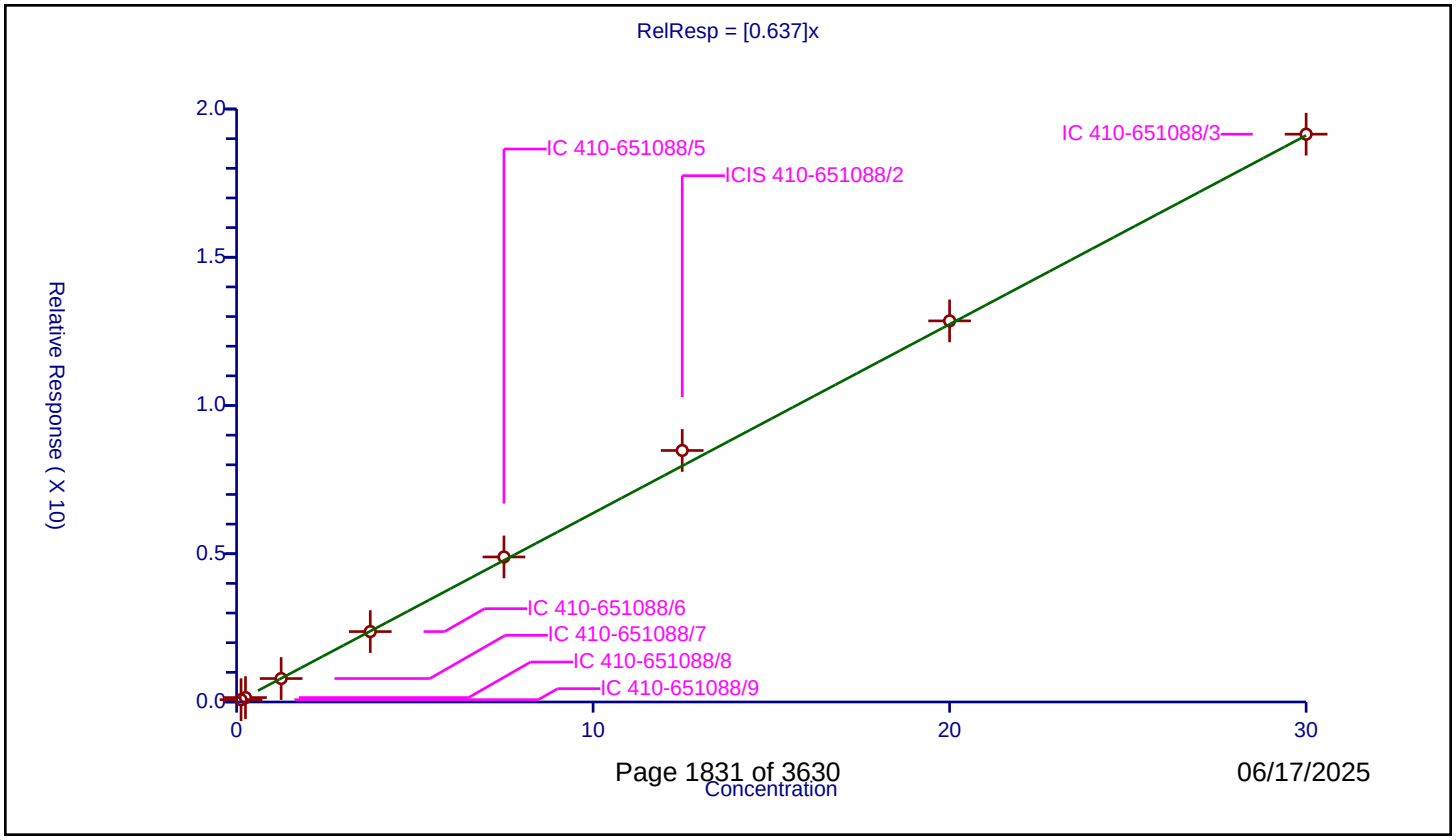
Curve Coefficients

Intercept:	0
Slope:	0.637

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.077867	5.0	124057.0	0.622939	Y
2	IC 410-651088/8	0.25	0.148697	5.0	132921.0	0.594789	Y
3	IC 410-651088/7	1.25	0.791043	5.0	124595.0	0.632834	Y
4	IC 410-651088/6	3.75	2.375089	5.0	118945.0	0.633357	Y
5	IC 410-651088/5	7.5	4.891883	5.0	166116.0	0.652251	Y
6	ICIS 410-651088/2	12.5	8.482726	5.0	203780.0	0.678618	Y
7	IC 410-651088/4	20.0	12.854524	5.0	148093.0	0.642726	Y
8	IC 410-651088/3	30.0	19.151147	5.0	161465.0	0.638372	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

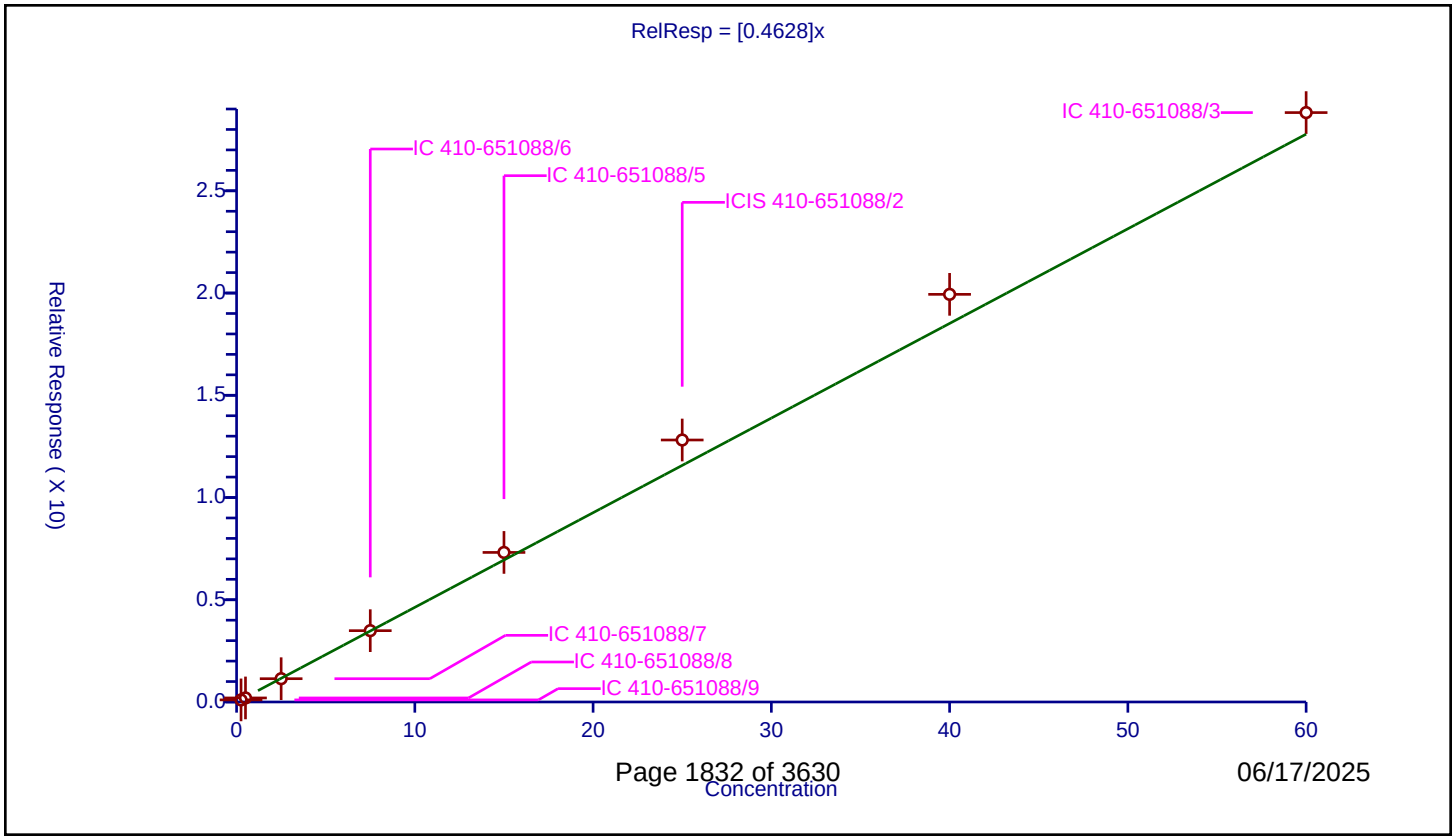
Curve Coefficients

Intercept:	0
Slope:	0.4628

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.25	0.102157	5.0	484549.0	0.408627	Y
2	IC 410-651088/8	0.5	0.197246	5.0	514256.0	0.394492	Y
3	IC 410-651088/7	2.5	1.139069	5.0	497933.0	0.455628	Y
4	IC 410-651088/6	7.5	3.487862	5.0	482370.0	0.465048	Y
5	IC 410-651088/5	15.0	7.314174	5.0	684324.0	0.487612	Y
6	ICIS 410-651088/2	25.0	12.812977	5.0	815515.0	0.512519	Y
7	IC 410-651088/4	40.0	19.936683	5.0	575437.0	0.498417	Y
8	IC 410-651088/3	60.0	28.825034	5.0	628082.0	0.480417	Y



Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

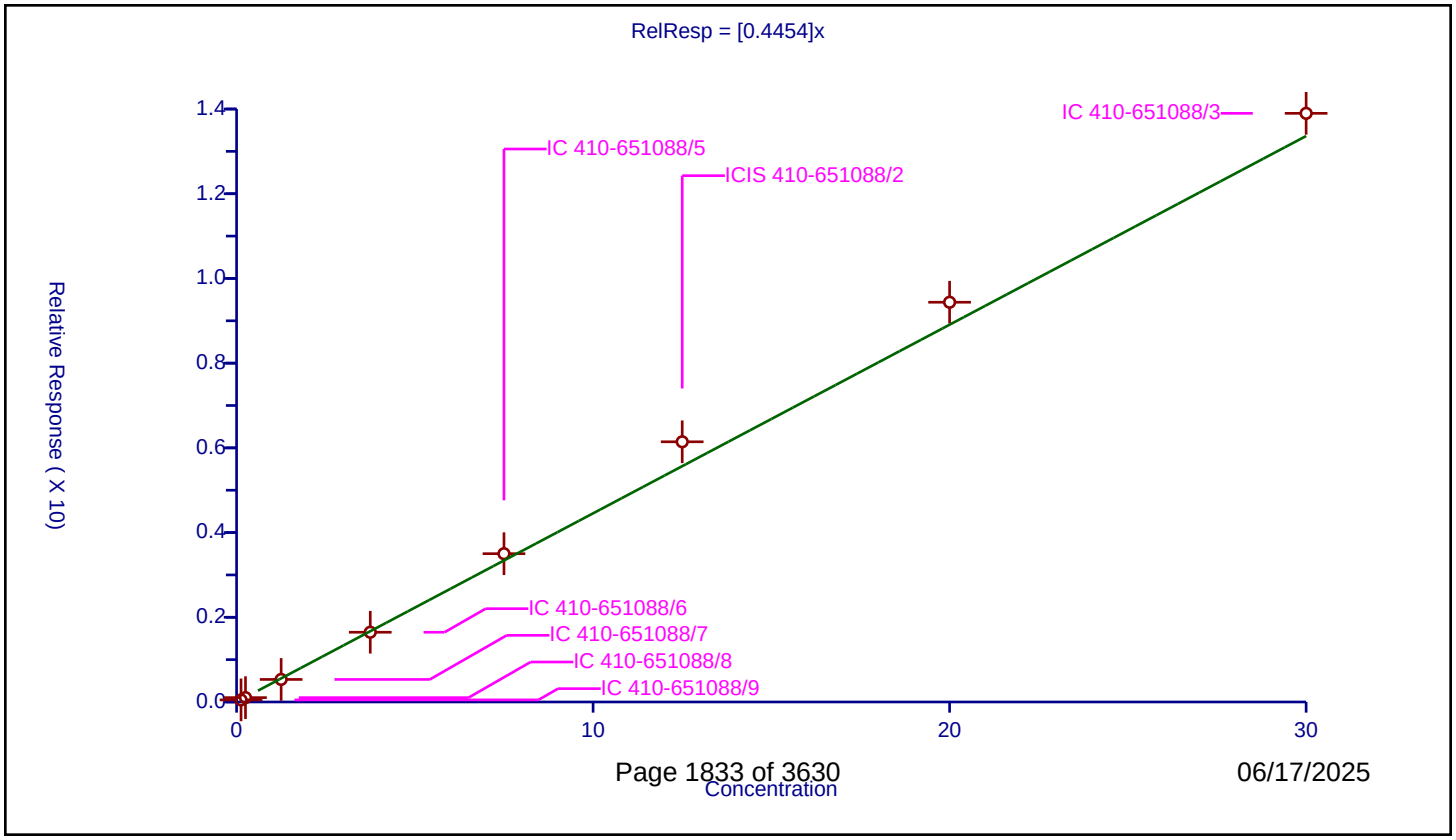
Curve Coefficients

Intercept:	0
Slope:	0.4454

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.049159	5.0	484549.0	0.393273	Y
2	IC 410-651088/8	0.25	0.102857	5.0	514256.0	0.411429	Y
3	IC 410-651088/7	1.25	0.53225	5.0	497933.0	0.4258	Y
4	IC 410-651088/6	3.75	1.64692	5.0	482370.0	0.439179	Y
5	IC 410-651088/5	7.5	3.501543	5.0	684324.0	0.466872	Y
6	ICIS 410-651088/2	12.5	6.143327	5.0	815515.0	0.491466	Y
7	IC 410-651088/4	20.0	9.437784	5.0	575437.0	0.471889	Y
8	IC 410-651088/3	30.0	13.898313	5.0	628082.0	0.463277	Y



Calibration / N-Nitrosopiperidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

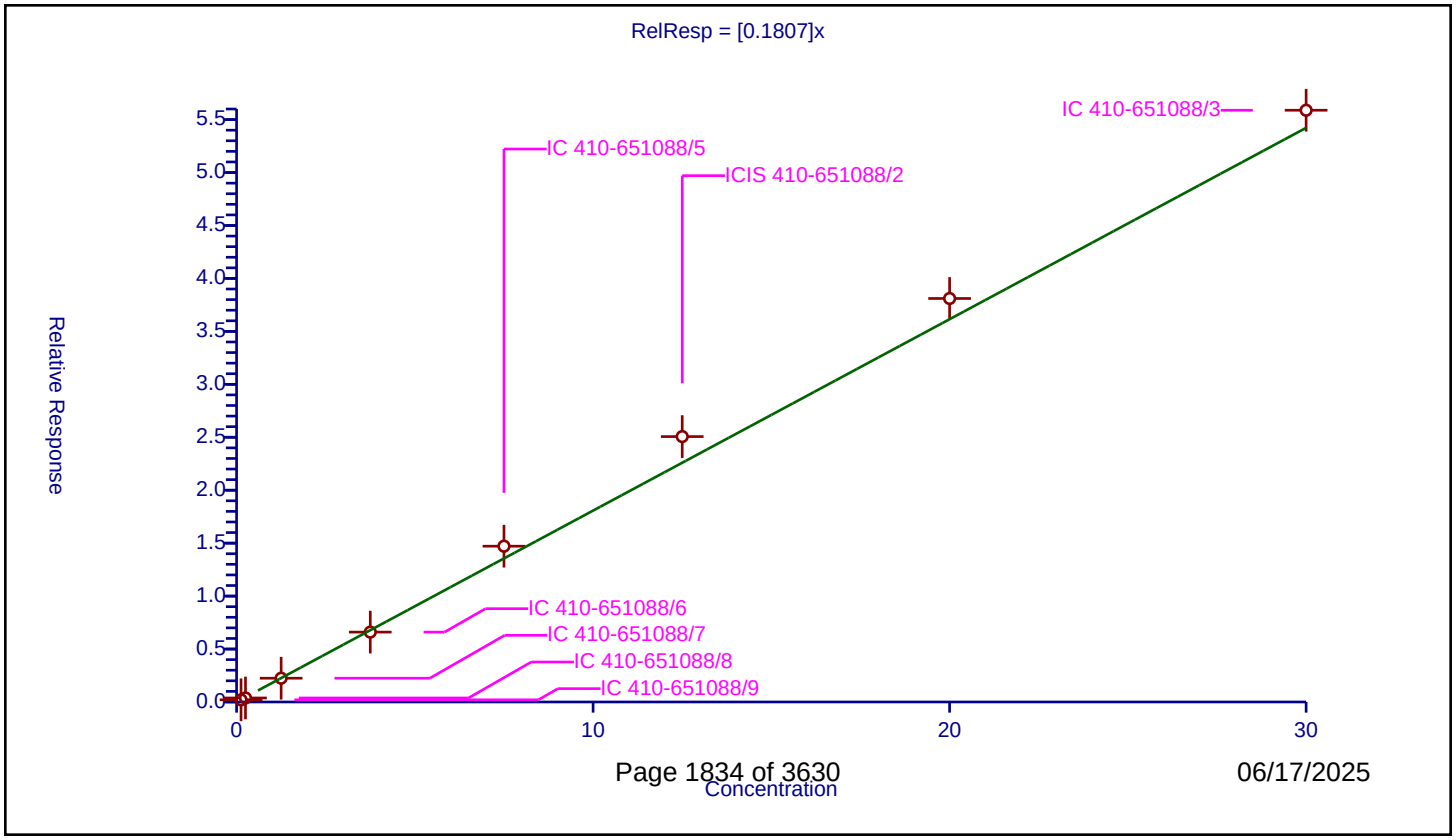
Curve Coefficients

Intercept:	0
Slope:	0.1807

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.020607	5.0	484549.0	0.164854	Y
2	IC 410-651088/8	0.25	0.037987	5.0	514256.0	0.151948	Y
3	IC 410-651088/7	1.25	0.224518	5.0	497933.0	0.179615	Y
4	IC 410-651088/6	3.75	0.659991	5.0	482370.0	0.175998	Y
5	IC 410-651088/5	7.5	1.471255	5.0	684324.0	0.196167	Y
6	ICIS 410-651088/2	12.5	2.506539	5.0	815515.0	0.200523	Y
7	IC 410-651088/4	20.0	3.81066	5.0	575437.0	0.190533	Y
8	IC 410-651088/3	30.0	5.588522	5.0	628082.0	0.186284	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

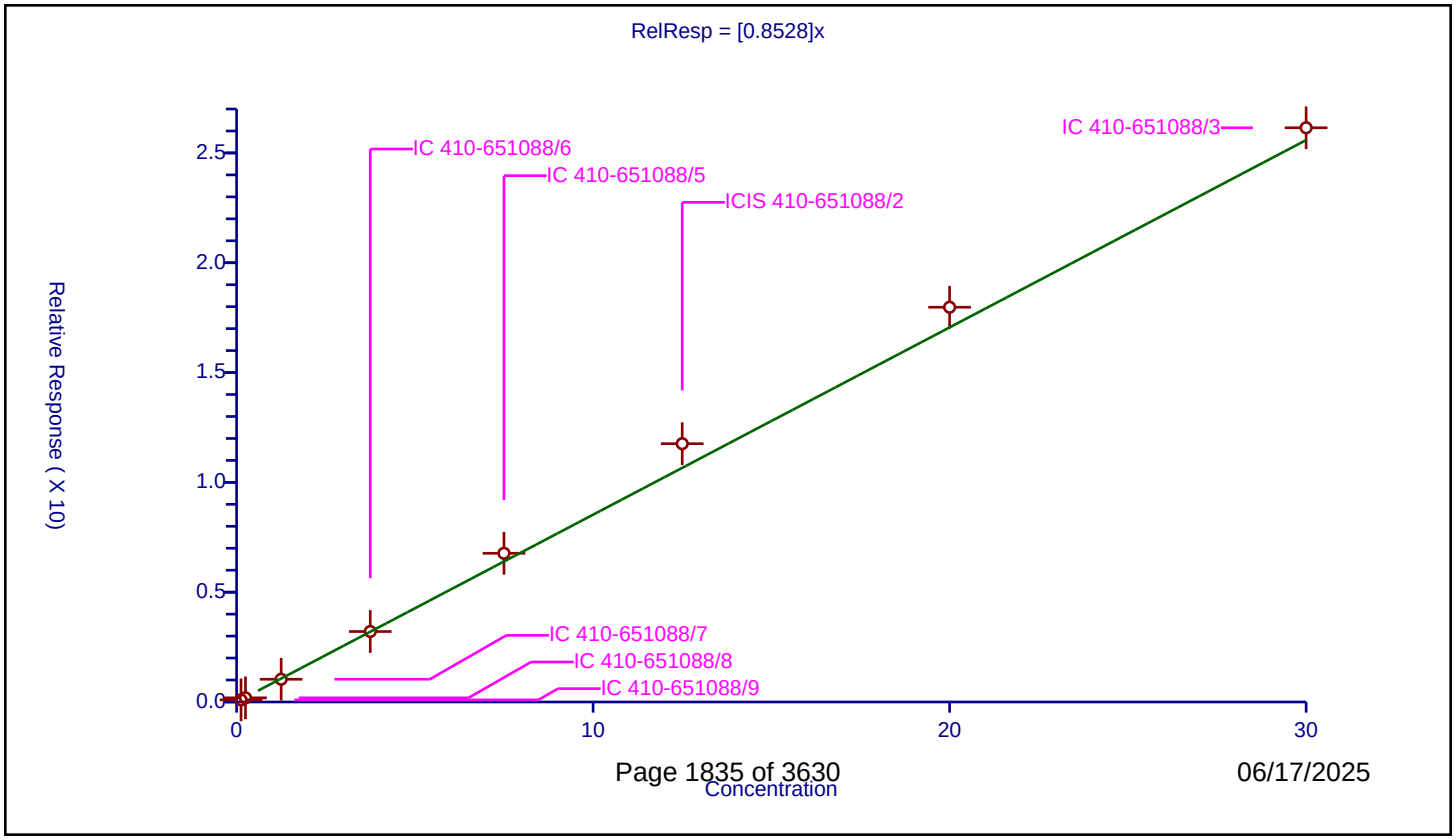
Curve Coefficients

Intercept:	0
Slope:	0.8528

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.095966	5.0	484549.0	0.767724	Y
2	IC 410-651088/8	0.25	0.189176	5.0	514256.0	0.756705	Y
3	IC 410-651088/7	1.25	1.03538	5.0	497933.0	0.828304	Y
4	IC 410-651088/6	3.75	3.209144	5.0	482370.0	0.855772	Y
5	IC 410-651088/5	7.5	6.771566	5.0	684324.0	0.902875	Y
6	ICIS 410-651088/2	12.5	11.761347	5.0	815515.0	0.940908	Y
7	IC 410-651088/4	20.0	17.974678	5.0	575437.0	0.898734	Y
8	IC 410-651088/3	30.0	26.14649	5.0	628082.0	0.87155	Y



Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

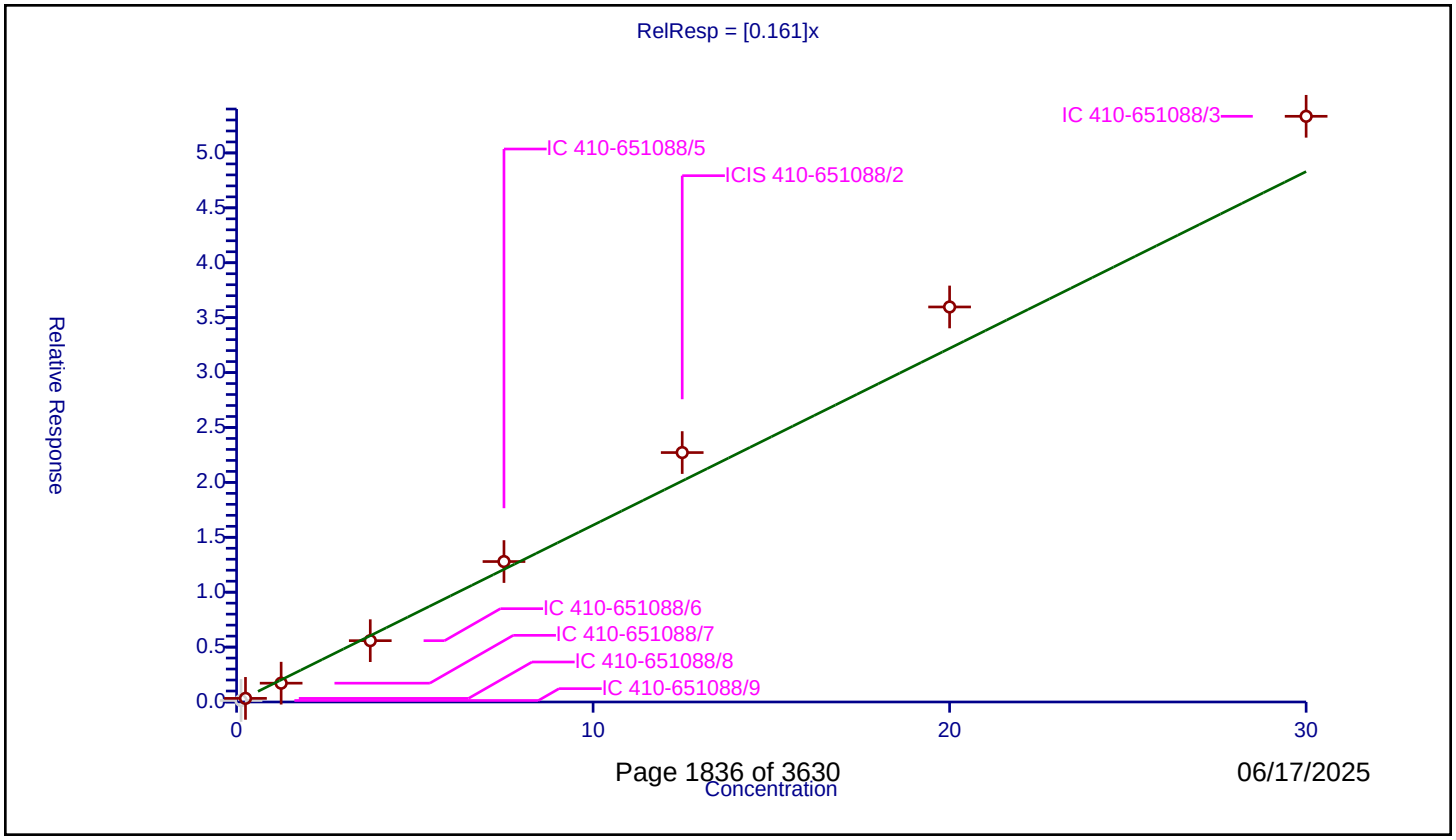
Curve Coefficients

Intercept:	0
Slope:	0.161

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.013827	5.0	484549.0	0.110618	N
2	IC 410-651088/8	0.25	0.032814	5.0	514256.0	0.131258	Y
3	IC 410-651088/7	1.25	0.171248	5.0	497933.0	0.136998	Y
4	IC 410-651088/6	3.75	0.558441	5.0	482370.0	0.148917	Y
5	IC 410-651088/5	7.5	1.278985	5.0	684324.0	0.170531	Y
6	ICIS 410-651088/2	12.5	2.271479	5.0	815515.0	0.181718	Y
7	IC 410-651088/4	20.0	3.59737	5.0	575437.0	0.179869	Y
8	IC 410-651088/3	30.0	5.333738	5.0	628082.0	0.177791	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

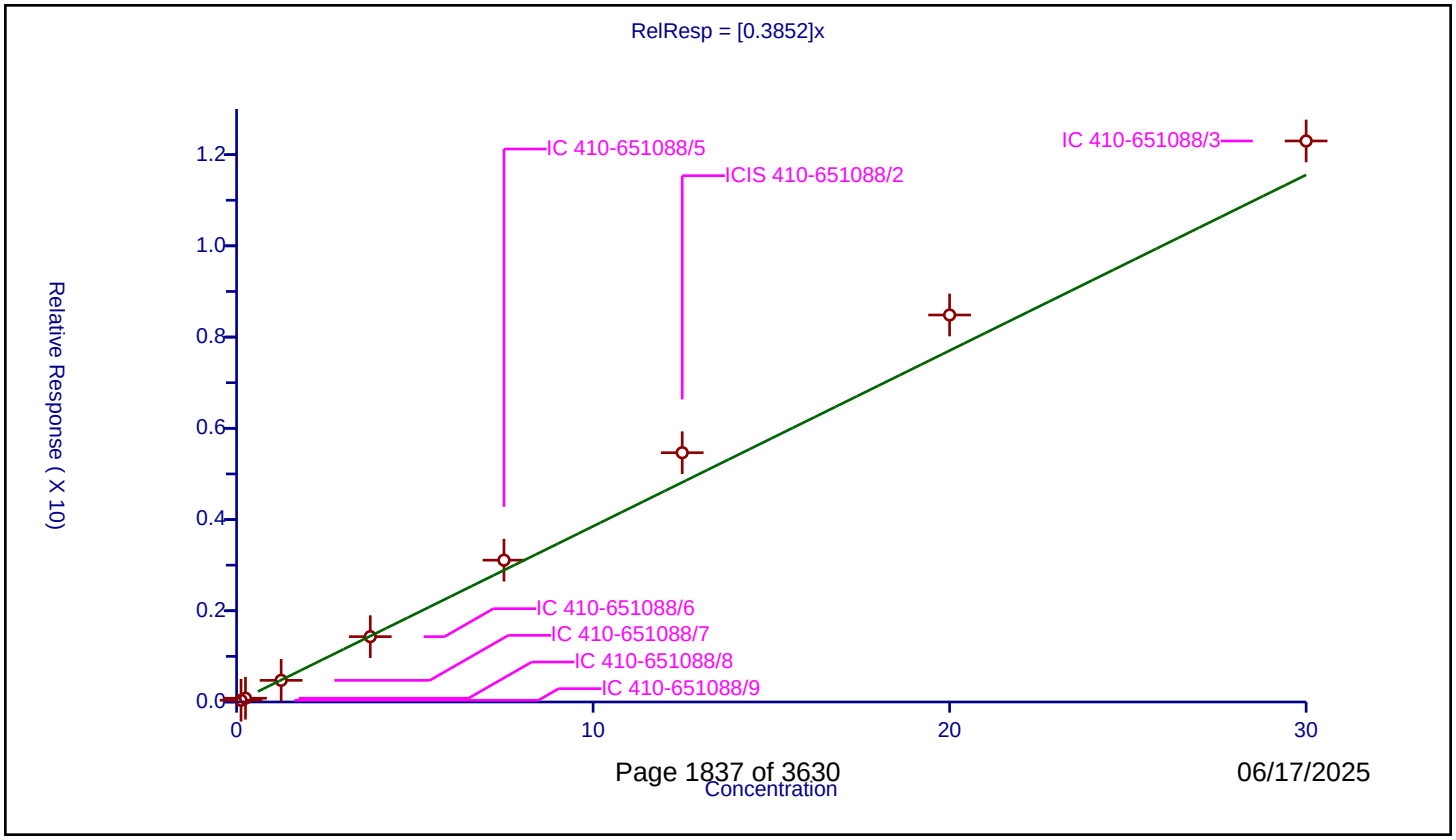
Curve Coefficients

Intercept:	0
Slope:	0.3852

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.038159	5.0	484549.0	0.305274	Y
2	IC 410-651088/8	0.25	0.082148	5.0	514256.0	0.328591	Y
3	IC 410-651088/7	1.25	0.474622	5.0	497933.0	0.379698	Y
4	IC 410-651088/6	3.75	1.432427	5.0	482370.0	0.381981	Y
5	IC 410-651088/5	7.5	3.1092	5.0	684324.0	0.41456	Y
6	ICIS 410-651088/2	12.5	5.465442	5.0	815515.0	0.437235	Y
7	IC 410-651088/4	20.0	8.484482	5.0	575437.0	0.424224	Y
8	IC 410-651088/3	30.0	12.299867	5.0	628082.0	0.409996	Y



06/17/2025

Calibration / o,o',o''-Triethylphosphorothioate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

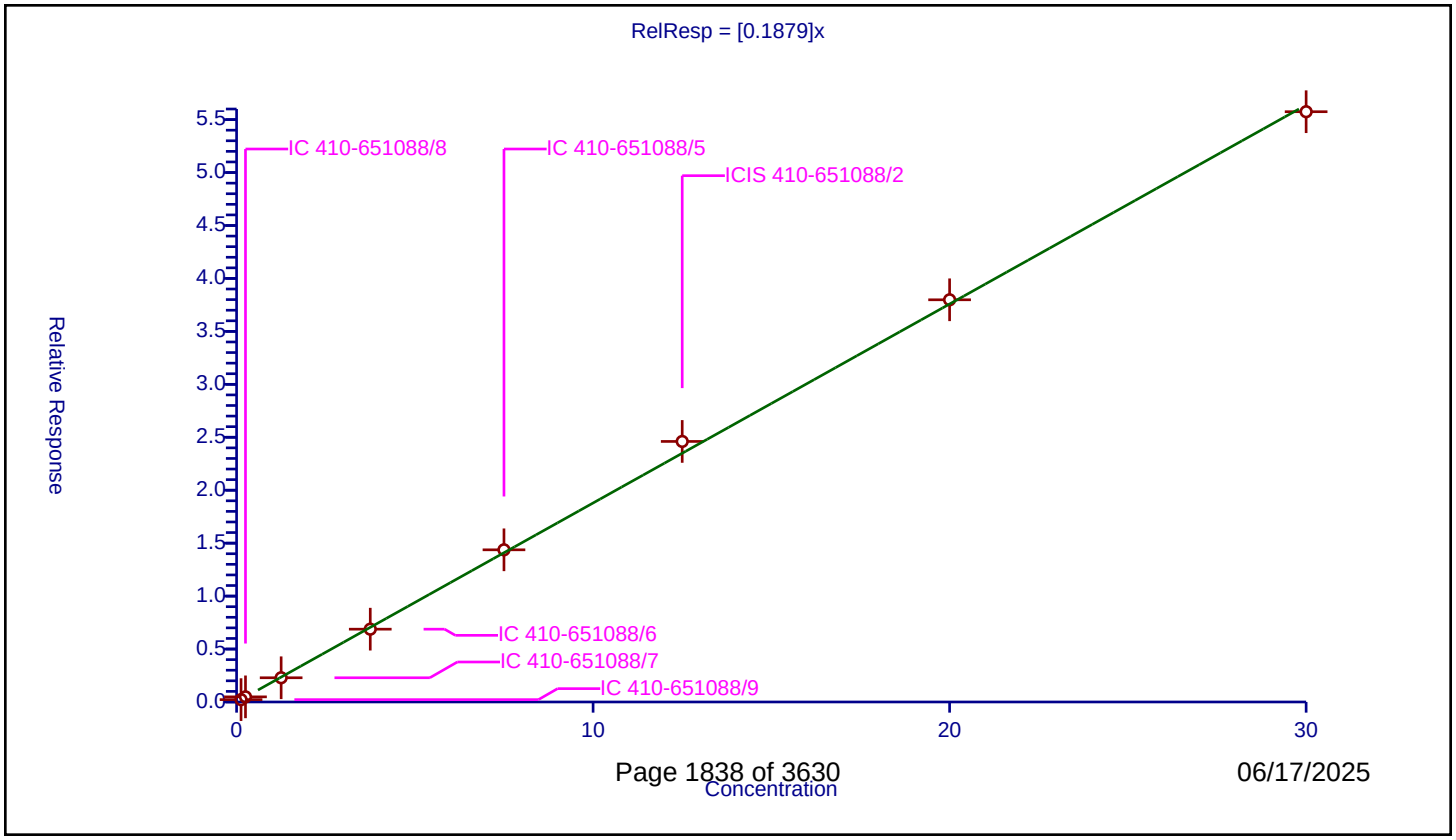
Curve Coefficients

Intercept:	0
Slope:	0.1879

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.022361	5.0	484549.0	0.178888	Y
2	IC 410-651088/8	0.25	0.048458	5.0	514256.0	0.193833	Y
3	IC 410-651088/7	1.25	0.228886	5.0	497933.0	0.183109	Y
4	IC 410-651088/6	3.75	0.687605	5.0	482370.0	0.183361	Y
5	IC 410-651088/5	7.5	1.437185	5.0	684324.0	0.191625	Y
6	ICIS 410-651088/2	12.5	2.460629	5.0	815515.0	0.19685	Y
7	IC 410-651088/4	20.0	3.798339	5.0	575437.0	0.189917	Y
8	IC 410-651088/3	30.0	5.574439	5.0	628082.0	0.185815	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

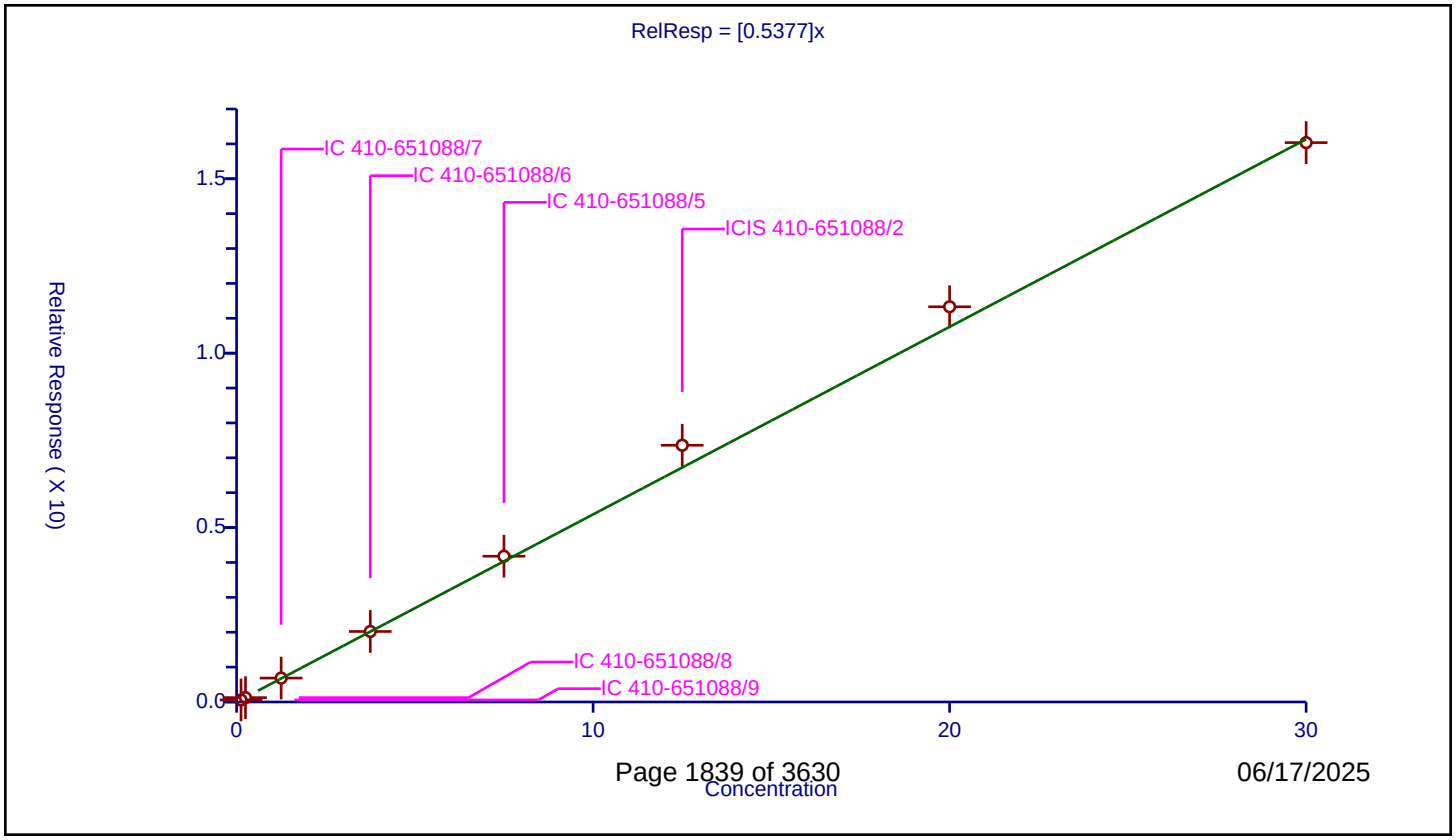
Curve Coefficients

Intercept:	0
Slope:	0.5377

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.058467	5.0	484549.0	0.467734	Y
2	IC 410-651088/8	0.25	0.124947	5.0	514256.0	0.49979	Y
3	IC 410-651088/7	1.25	0.685223	5.0	497933.0	0.548178	Y
4	IC 410-651088/6	3.75	2.02183	5.0	482370.0	0.539155	Y
5	IC 410-651088/5	7.5	4.179146	5.0	684324.0	0.557219	Y
6	ICIS 410-651088/2	12.5	7.360367	5.0	815515.0	0.588829	Y
7	IC 410-651088/4	20.0	11.330432	5.0	575437.0	0.566522	Y
8	IC 410-651088/3	30.0	16.037014	5.0	628082.0	0.534567	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

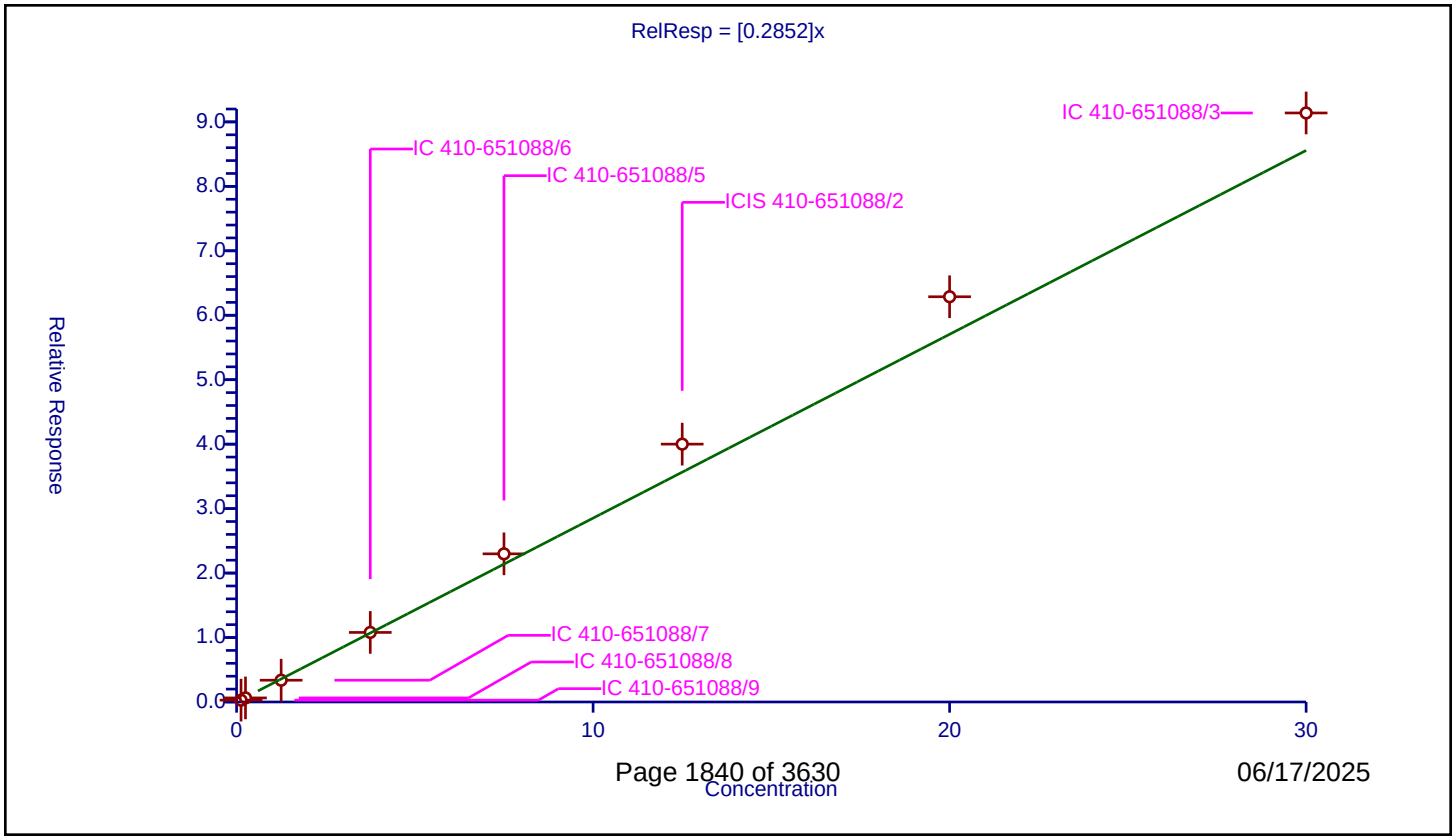
Curve Coefficients

Intercept:	0
Slope:	0.2852

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.02816	5.0	484549.0	0.225282	Y
2	IC 410-651088/8	0.25	0.063295	5.0	514256.0	0.253181	Y
3	IC 410-651088/7	1.25	0.337796	5.0	497933.0	0.270237	Y
4	IC 410-651088/6	3.75	1.079151	5.0	482370.0	0.287774	Y
5	IC 410-651088/5	7.5	2.298334	5.0	684324.0	0.306445	Y
6	ICIS 410-651088/2	12.5	4.000766	5.0	815515.0	0.320061	Y
7	IC 410-651088/4	20.0	6.287343	5.0	575437.0	0.314367	Y
8	IC 410-651088/3	30.0	9.138807	5.0	628082.0	0.304627	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

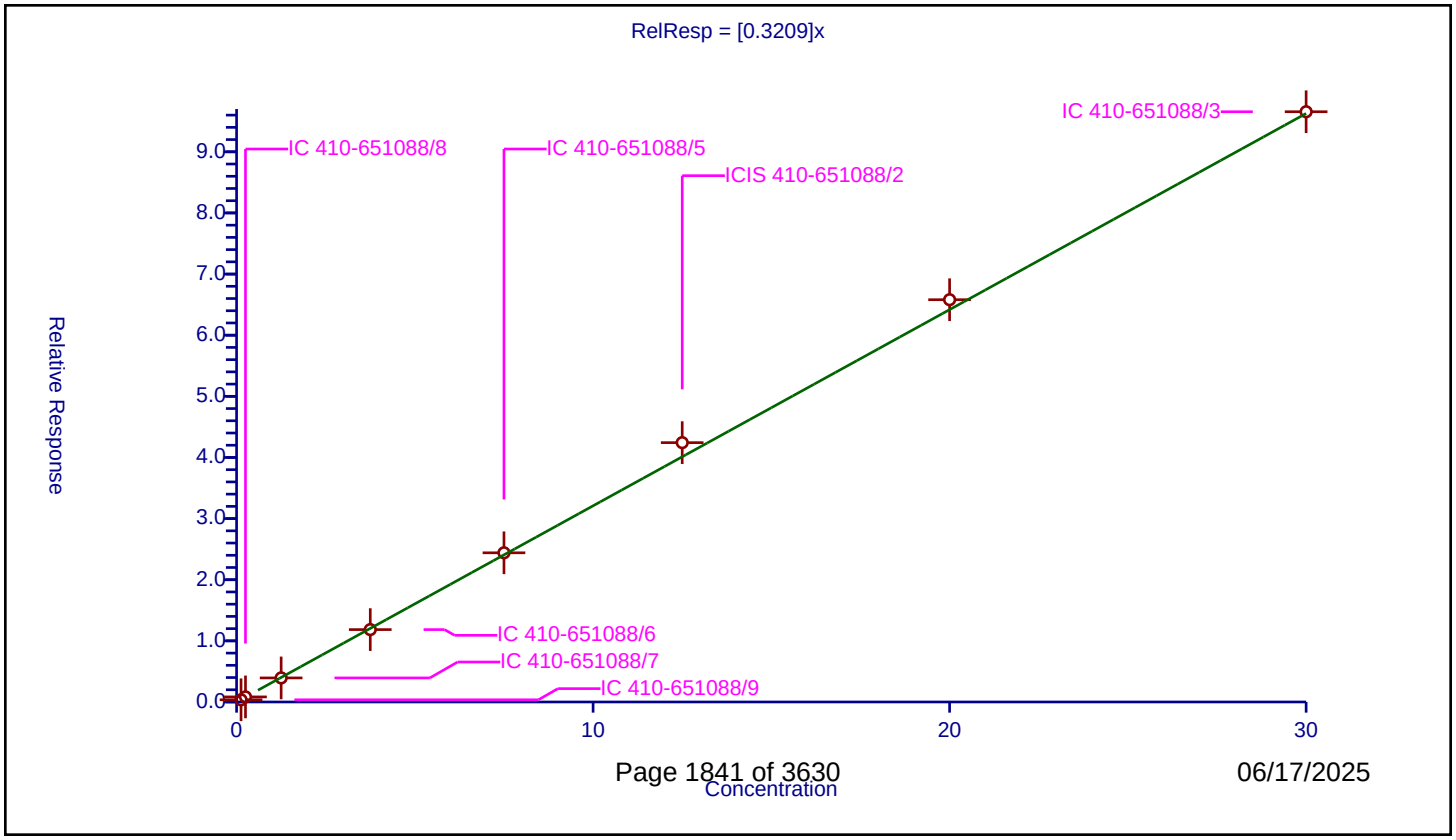
Curve Coefficients

Intercept:	0
Slope:	0.3209

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.036054	5.0	484549.0	0.288433	Y
2	IC 410-651088/8	0.25	0.08314	5.0	514256.0	0.332558	Y
3	IC 410-651088/7	1.25	0.393557	5.0	497933.0	0.314846	Y
4	IC 410-651088/6	3.75	1.183967	5.0	482370.0	0.315724	Y
5	IC 410-651088/5	7.5	2.440628	5.0	684324.0	0.325417	Y
6	ICIS 410-651088/2	12.5	4.242607	5.0	815515.0	0.339409	Y
7	IC 410-651088/4	20.0	6.580755	5.0	575437.0	0.329038	Y
8	IC 410-651088/3	30.0	9.655363	5.0	628082.0	0.321845	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

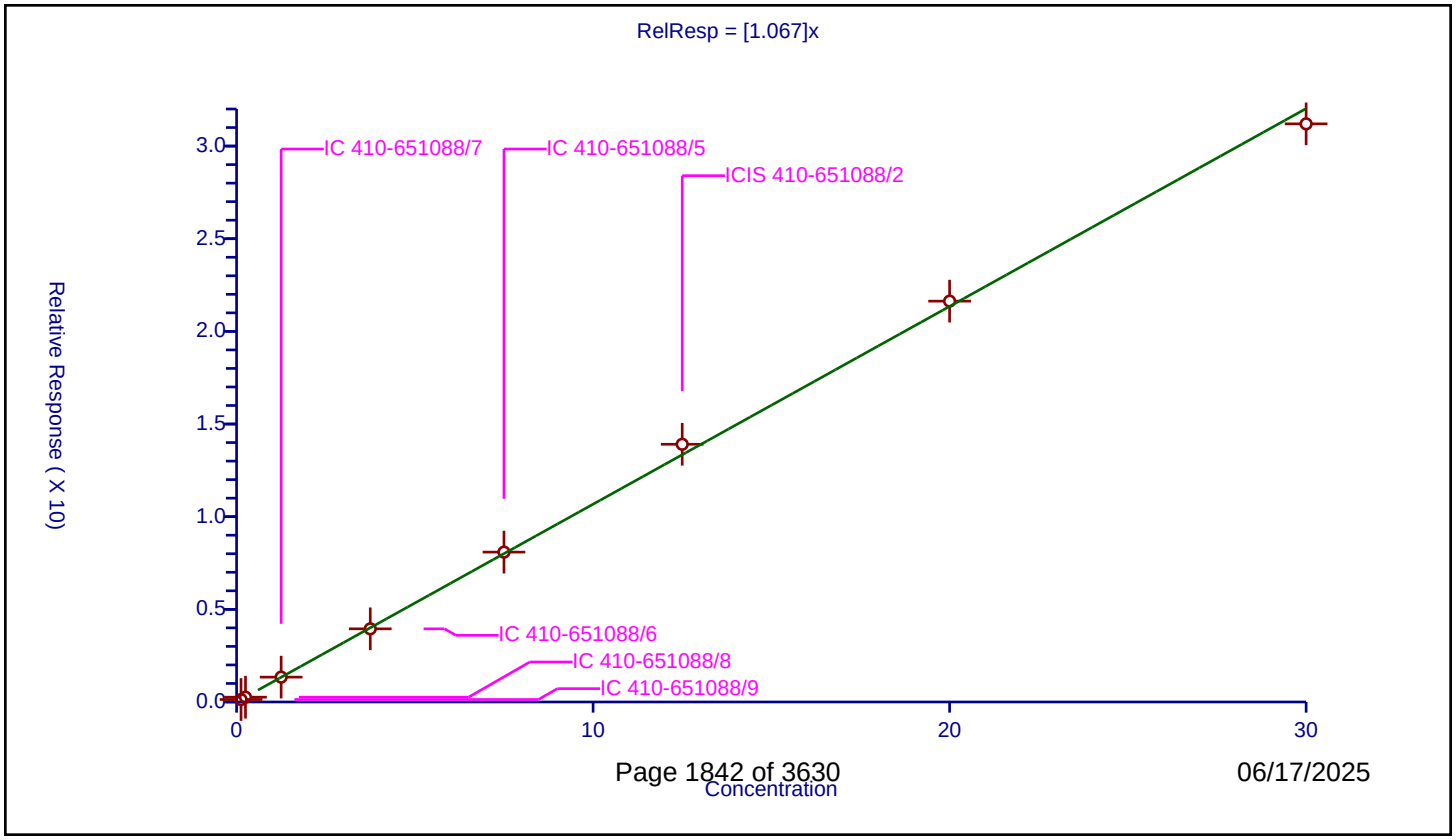
Curve Coefficients

Intercept:	0
Slope:	1.067

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.132577	5.0	484549.0	1.060615	Y
2	IC 410-651088/8	0.25	0.259861	5.0	514256.0	1.039443	Y
3	IC 410-651088/7	1.25	1.34256	5.0	497933.0	1.074048	Y
4	IC 410-651088/6	3.75	3.947913	5.0	482370.0	1.052777	Y
5	IC 410-651088/5	7.5	8.088047	5.0	684324.0	1.078406	Y
6	ICIS 410-651088/2	12.5	13.908267	5.0	815515.0	1.112661	Y
7	IC 410-651088/4	20.0	21.631447	5.0	575437.0	1.081572	Y
8	IC 410-651088/3	30.0	31.19978	5.0	628082.0	1.039993	Y



Calibration / Alpha-Terpineol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

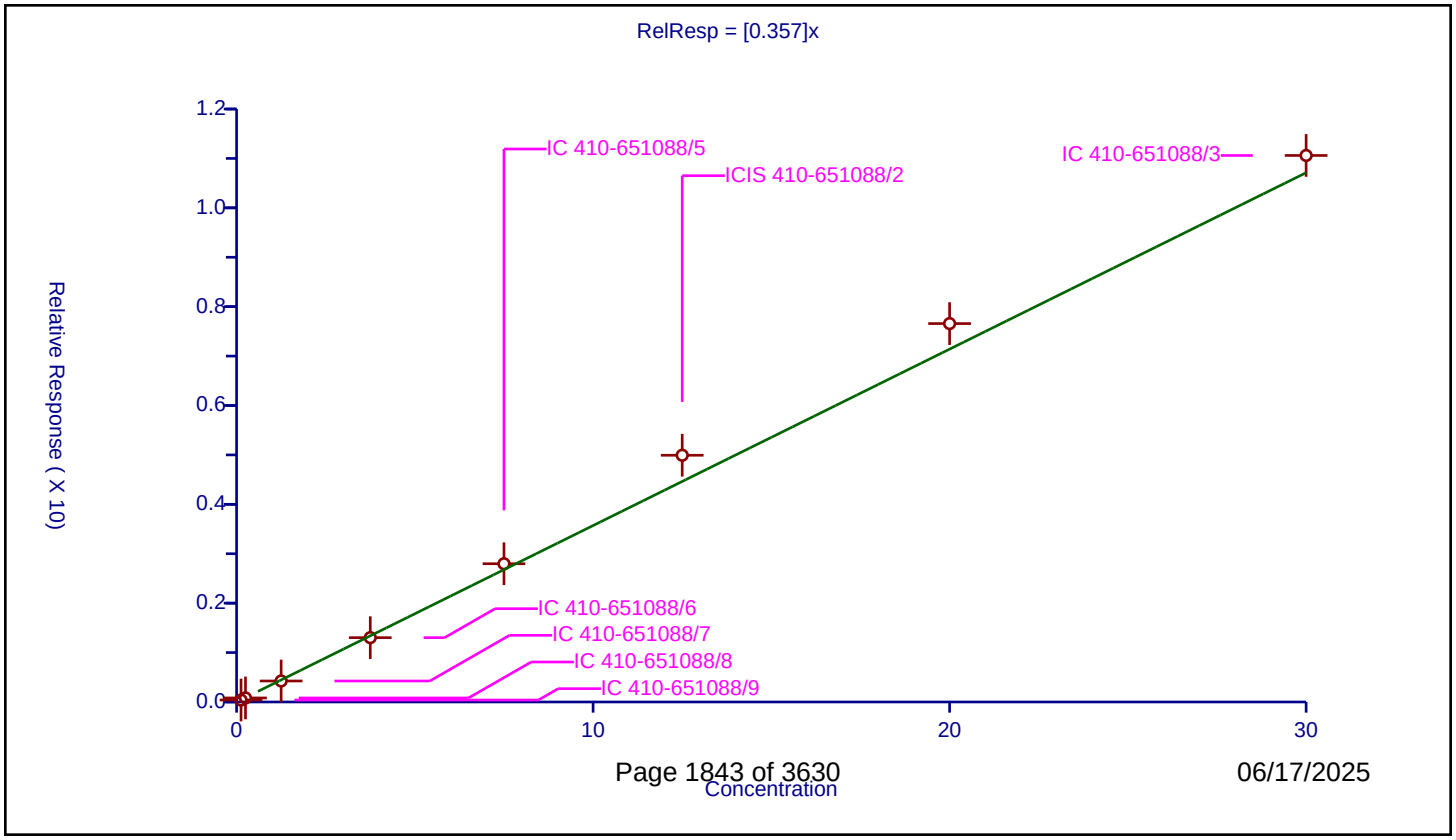
Curve Coefficients

Intercept:	0
Slope:	0.357

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.03979	5.0	484549.0	0.318317	Y
2	IC 410-651088/8	0.25	0.08171	5.0	514256.0	0.326841	Y
3	IC 410-651088/7	1.25	0.424806	5.0	497933.0	0.339845	Y
4	IC 410-651088/6	3.75	1.30204	5.0	482370.0	0.347211	Y
5	IC 410-651088/5	7.5	2.797746	5.0	684324.0	0.373033	Y
6	ICIS 410-651088/2	12.5	4.993213	5.0	815515.0	0.399457	Y
7	IC 410-651088/4	20.0	7.658102	5.0	575437.0	0.382905	Y
8	IC 410-651088/3	30.0	11.059878	5.0	628082.0	0.368663	Y



Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

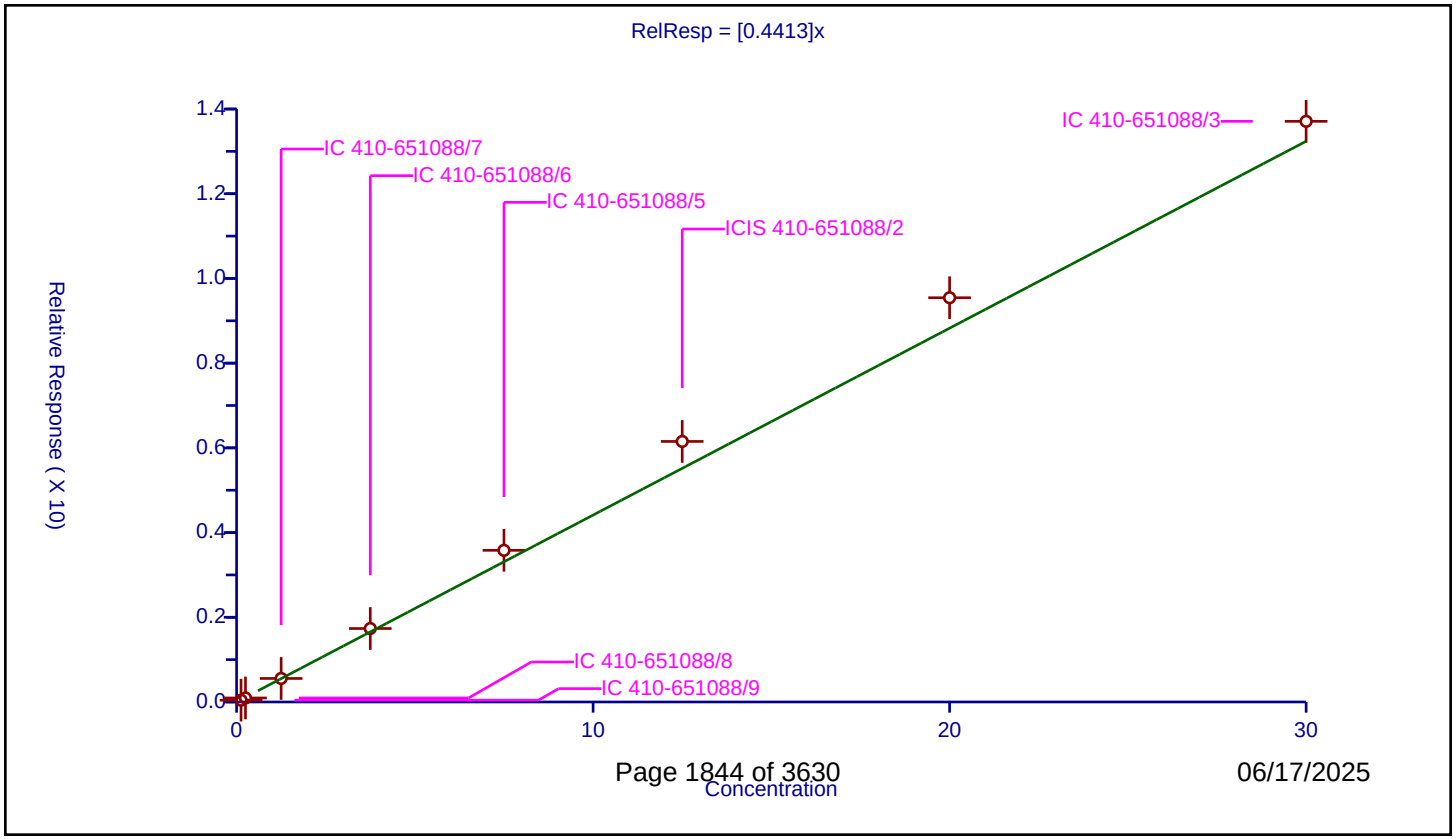
Curve Coefficients

Intercept:	0
Slope:	0.4413

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.042524	5.0	484549.0	0.340193	Y
2	IC 410-651088/8	0.25	0.094797	5.0	514256.0	0.379189	Y
3	IC 410-651088/7	1.25	0.555657	5.0	497933.0	0.444526	Y
4	IC 410-651088/6	3.75	1.734944	5.0	482370.0	0.462652	Y
5	IC 410-651088/5	7.5	3.580621	5.0	684324.0	0.477416	Y
6	ICIS 410-651088/2	12.5	6.151726	5.0	815515.0	0.492138	Y
7	IC 410-651088/4	20.0	9.544329	5.0	575437.0	0.477216	Y
8	IC 410-651088/3	30.0	13.709165	5.0	628082.0	0.456972	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

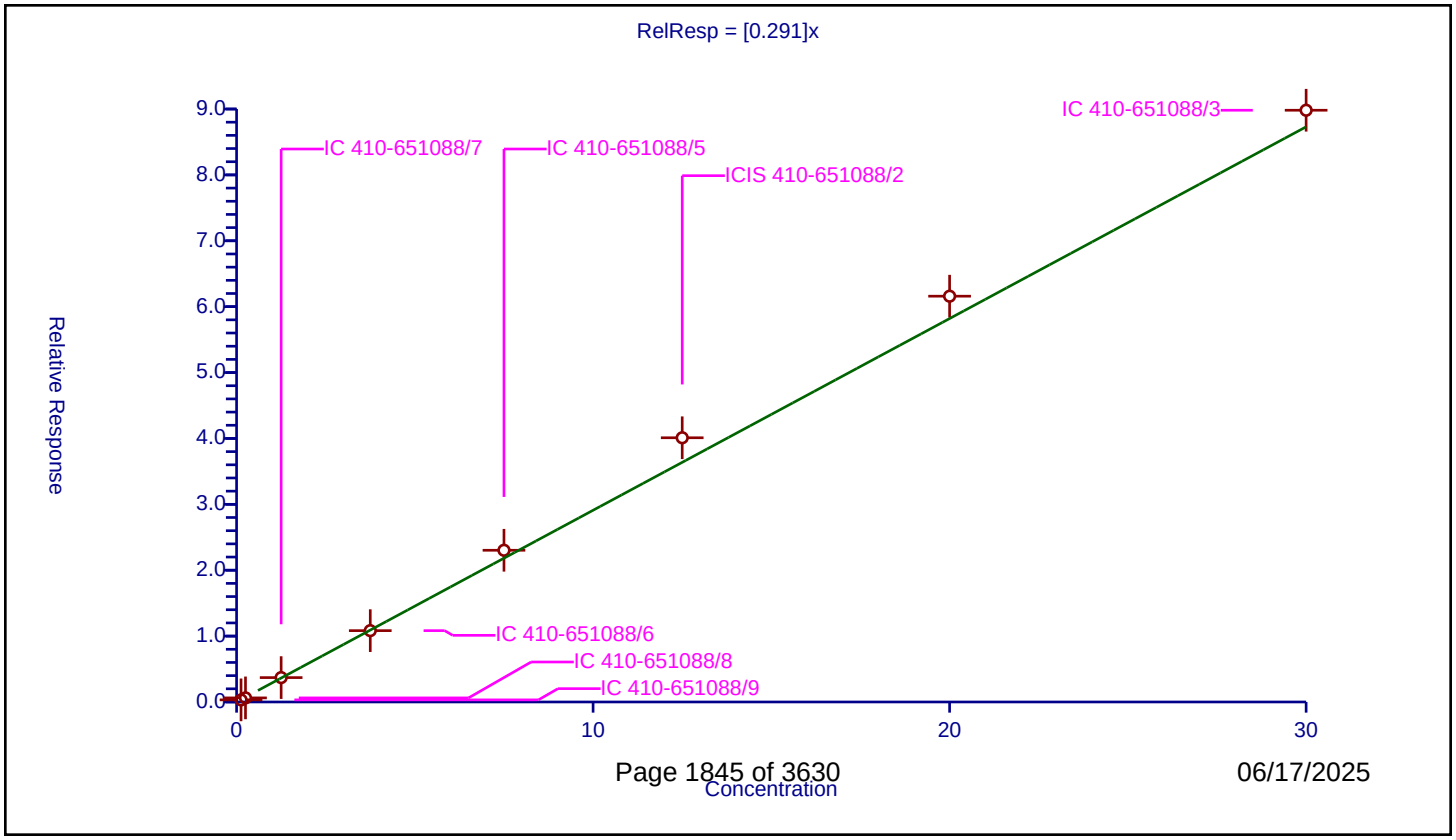
Curve Coefficients

Intercept:	0
Slope:	0.291

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.032339	5.0	484549.0	0.258715	Y
2	IC 410-651088/8	0.25	0.062265	5.0	514256.0	0.249059	Y
3	IC 410-651088/7	1.25	0.370251	5.0	497933.0	0.2962	Y
4	IC 410-651088/6	3.75	1.082696	5.0	482370.0	0.288719	Y
5	IC 410-651088/5	7.5	2.302842	5.0	684324.0	0.307046	Y
6	ICIS 410-651088/2	12.5	4.010288	5.0	815515.0	0.320823	Y
7	IC 410-651088/4	20.0	6.15911	5.0	575437.0	0.307956	Y
8	IC 410-651088/3	30.0	8.981399	5.0	628082.0	0.29938	Y



Calibration / Hexachloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

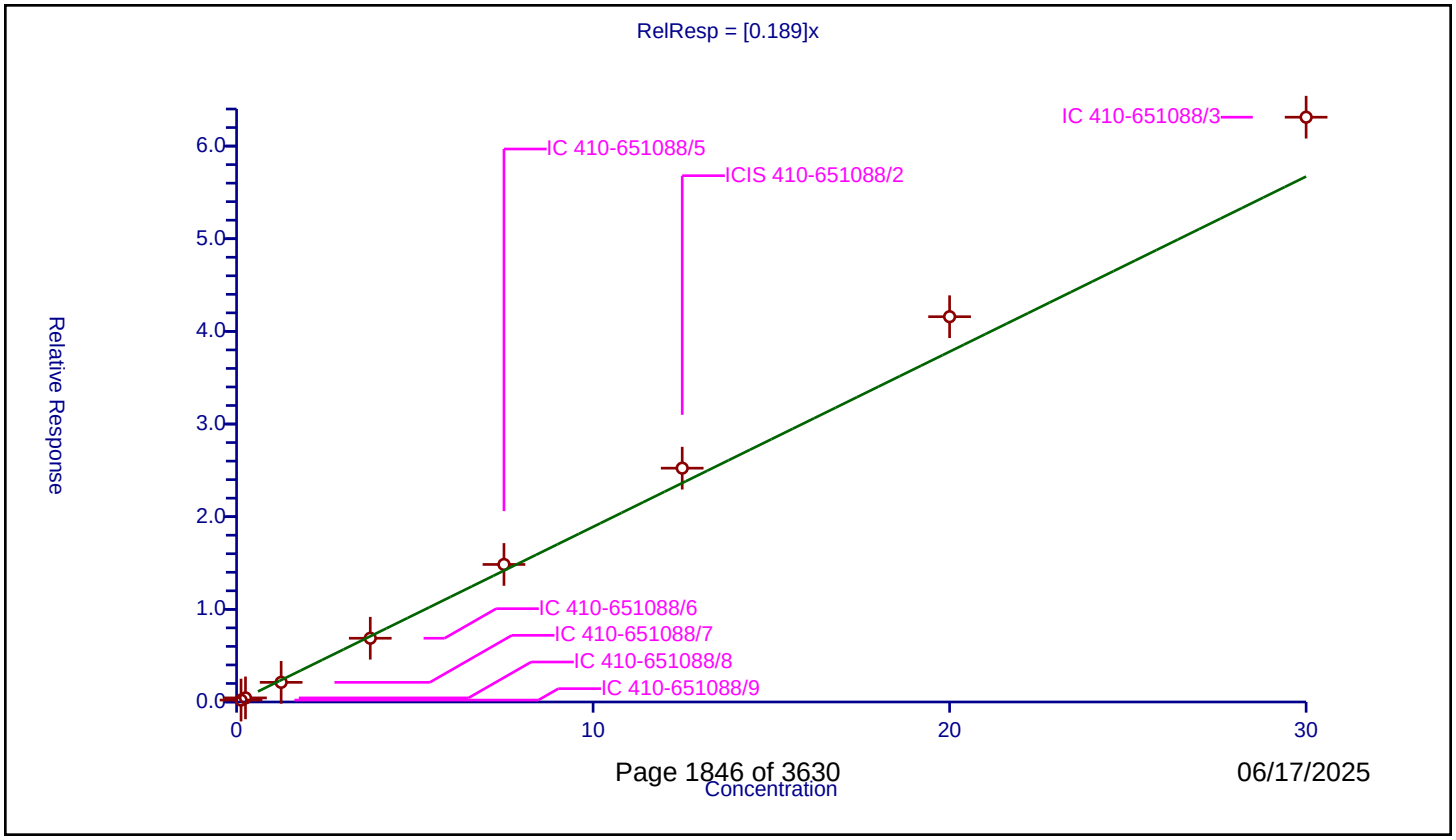
Curve Coefficients

Intercept:	0
Slope:	0.189

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.020524	5.0	484549.0	0.164194	Y
2	IC 410-651088/8	0.25	0.044268	5.0	514256.0	0.177071	Y
3	IC 410-651088/7	1.25	0.211896	5.0	497933.0	0.169517	Y
4	IC 410-651088/6	3.75	0.687978	5.0	482370.0	0.183461	Y
5	IC 410-651088/5	7.5	1.484501	5.0	684324.0	0.197934	Y
6	ICIS 410-651088/2	12.5	2.52381	5.0	815515.0	0.201905	Y
7	IC 410-651088/4	20.0	4.158466	5.0	575437.0	0.207923	Y
8	IC 410-651088/3	30.0	6.311692	5.0	628082.0	0.21039	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

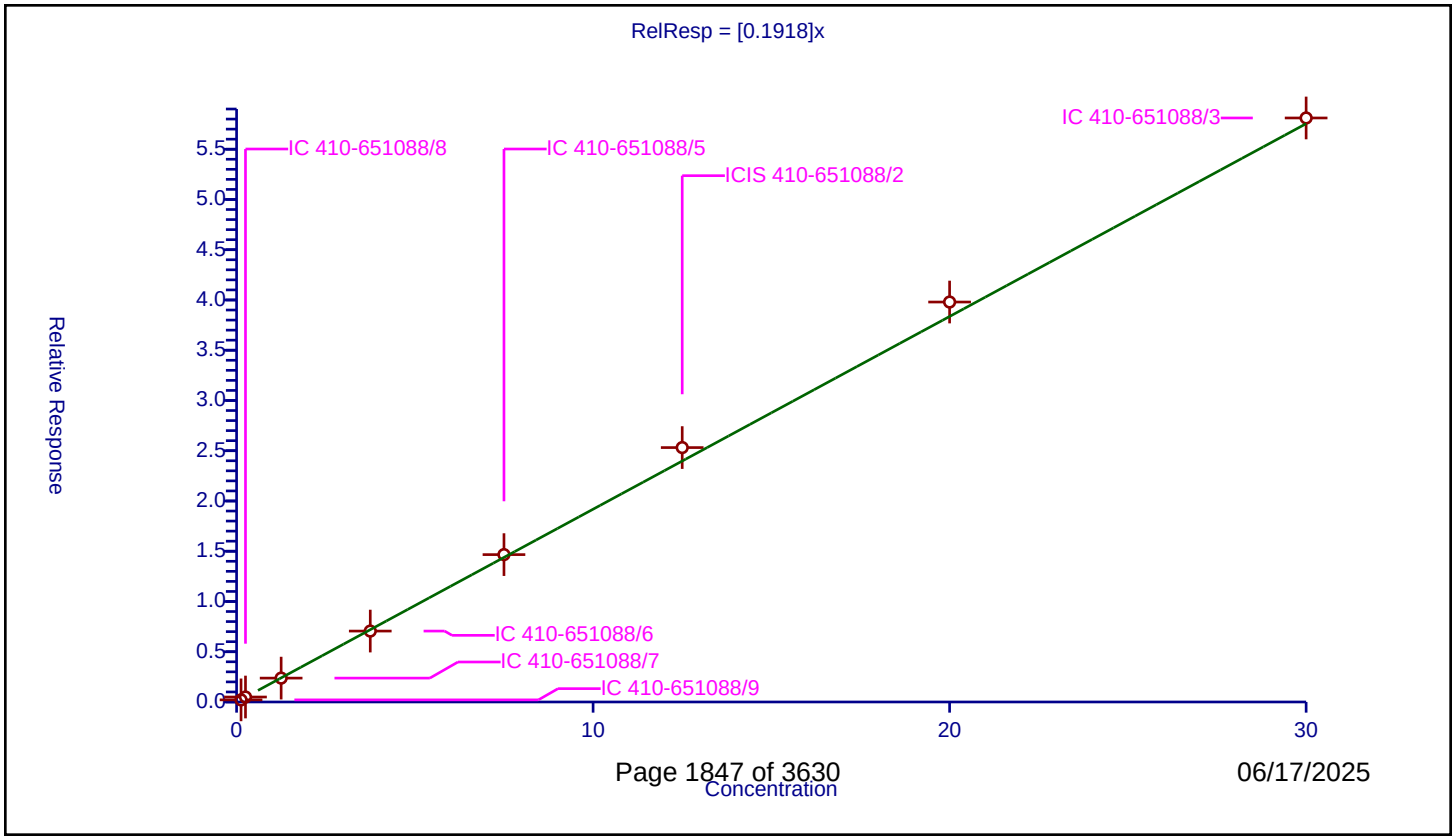
Curve Coefficients

Intercept:	0
Slope:	0.1918

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.020978	5.0	484549.0	0.167826	Y
2	IC 410-651088/8	0.25	0.049421	5.0	514256.0	0.197684	Y
3	IC 410-651088/7	1.25	0.237492	5.0	497933.0	0.189993	Y
4	IC 410-651088/6	3.75	0.705713	5.0	482370.0	0.18819	Y
5	IC 410-651088/5	7.5	1.466454	5.0	684324.0	0.195527	Y
6	ICIS 410-651088/2	12.5	2.53129	5.0	815515.0	0.202503	Y
7	IC 410-651088/4	20.0	3.979541	5.0	575437.0	0.198977	Y
8	IC 410-651088/3	30.0	5.810937	5.0	628082.0	0.193698	Y



Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

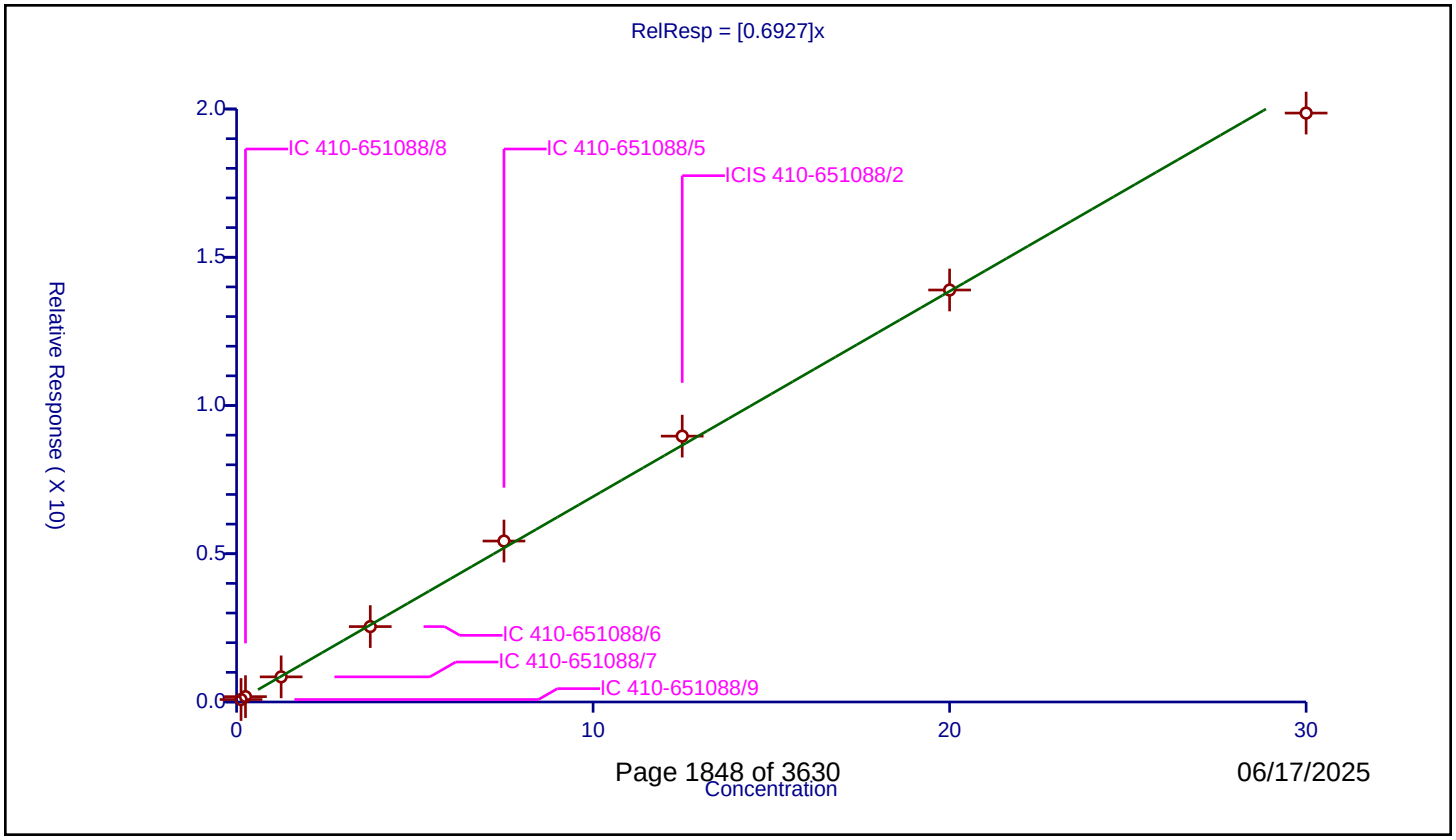
Curve Coefficients

Intercept:	0
Slope:	0.6927

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.083356	5.0	484549.0	0.666847	Y
2	IC 410-651088/8	0.25	0.180056	5.0	514256.0	0.720225	Y
3	IC 410-651088/7	1.25	0.847664	5.0	497933.0	0.678131	Y
4	IC 410-651088/6	3.75	2.543131	5.0	482370.0	0.678168	Y
5	IC 410-651088/5	7.5	5.428211	5.0	684324.0	0.723761	Y
6	ICIS 410-651088/2	12.5	8.966788	5.0	815515.0	0.717343	Y
7	IC 410-651088/4	20.0	13.895413	5.0	575437.0	0.694771	Y
8	IC 410-651088/3	30.0	19.863712	5.0	628082.0	0.662124	Y



Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

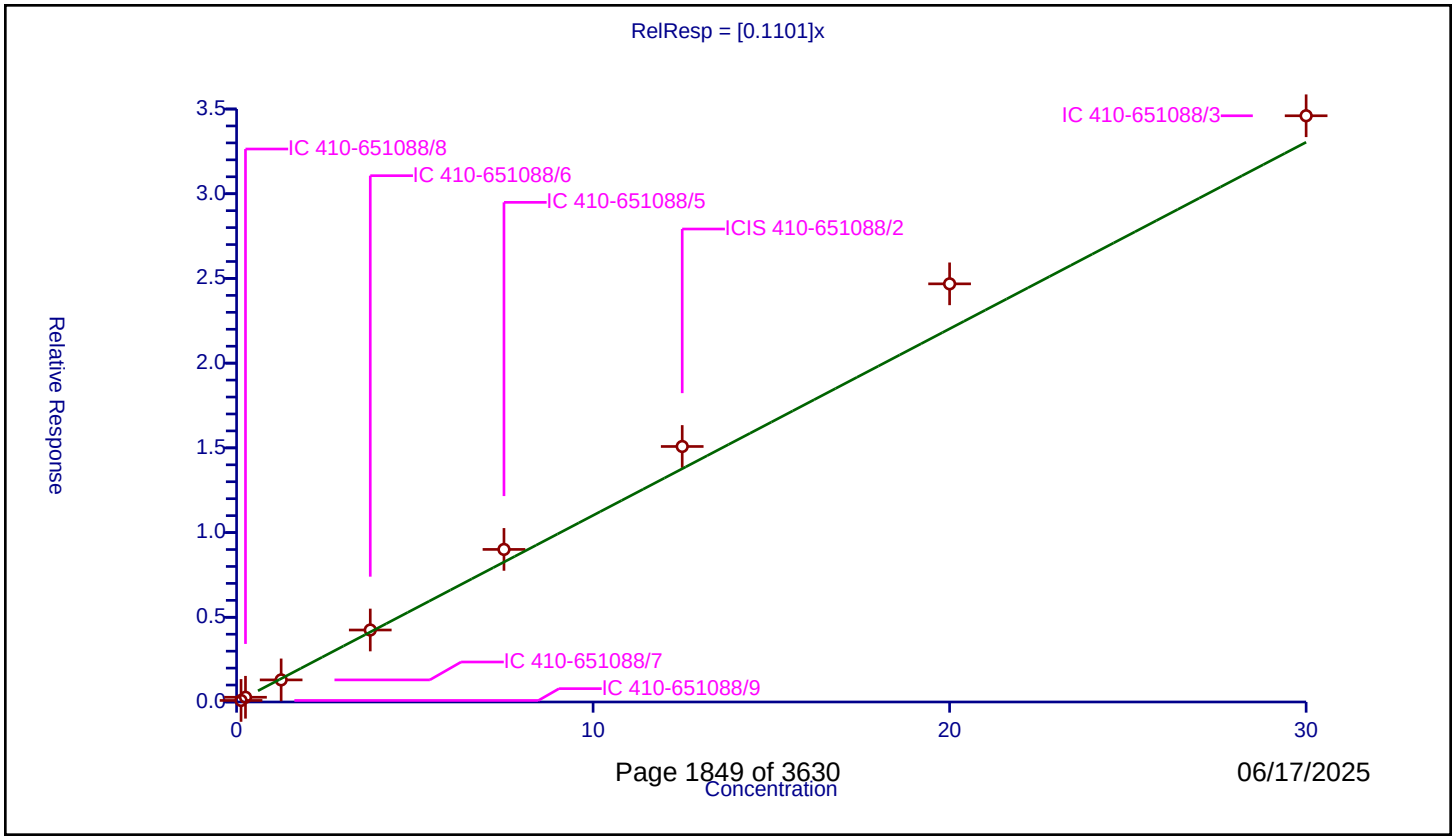
Curve Coefficients

Intercept:	0
Slope:	0.1101

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.009039	5.0	484549.0	0.072315	Y
2	IC 410-651088/8	0.25	0.027934	5.0	514256.0	0.111734	Y
3	IC 410-651088/7	1.25	0.130329	5.0	497933.0	0.104263	Y
4	IC 410-651088/6	3.75	0.424892	5.0	482370.0	0.113304	Y
5	IC 410-651088/5	7.5	0.900495	5.0	684324.0	0.120066	Y
6	ICIS 410-651088/2	12.5	1.508188	5.0	815515.0	0.120655	Y
7	IC 410-651088/4	20.0	2.468124	5.0	575437.0	0.123406	Y
8	IC 410-651088/3	30.0	3.460129	5.0	628082.0	0.115338	Y



Calibration / N-Nitrosodi-n-butylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

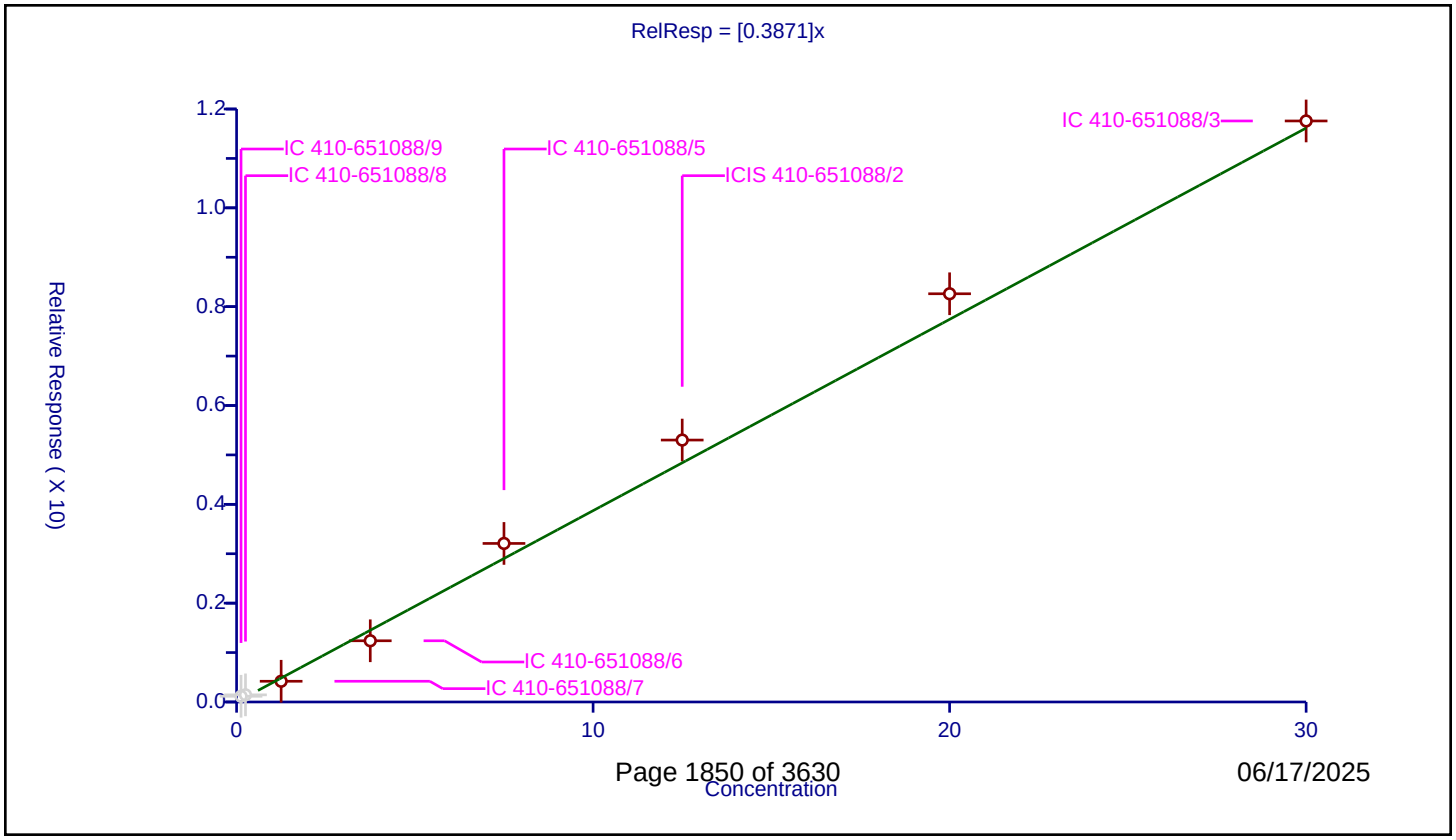
Curve Coefficients

Intercept:	0
Slope:	0.3871

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.115695	5.0	484549.0	0.925562	N
2	IC 410-651088/8	0.25	0.144228	5.0	514256.0	0.576911	N
3	IC 410-651088/7	1.25	0.419705	5.0	497933.0	0.335764	Y
4	IC 410-651088/6	3.75	1.238603	5.0	482370.0	0.330294	Y
5	IC 410-651088/5	7.5	3.208341	5.0	684324.0	0.427779	Y
6	ICIS 410-651088/2	12.5	5.3007	5.0	815515.0	0.424056	Y
7	IC 410-651088/4	20.0	8.26113	5.0	575437.0	0.413057	Y
8	IC 410-651088/3	30.0	11.758481	5.0	628082.0	0.391949	Y



Calibration / p-Phenylene diamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

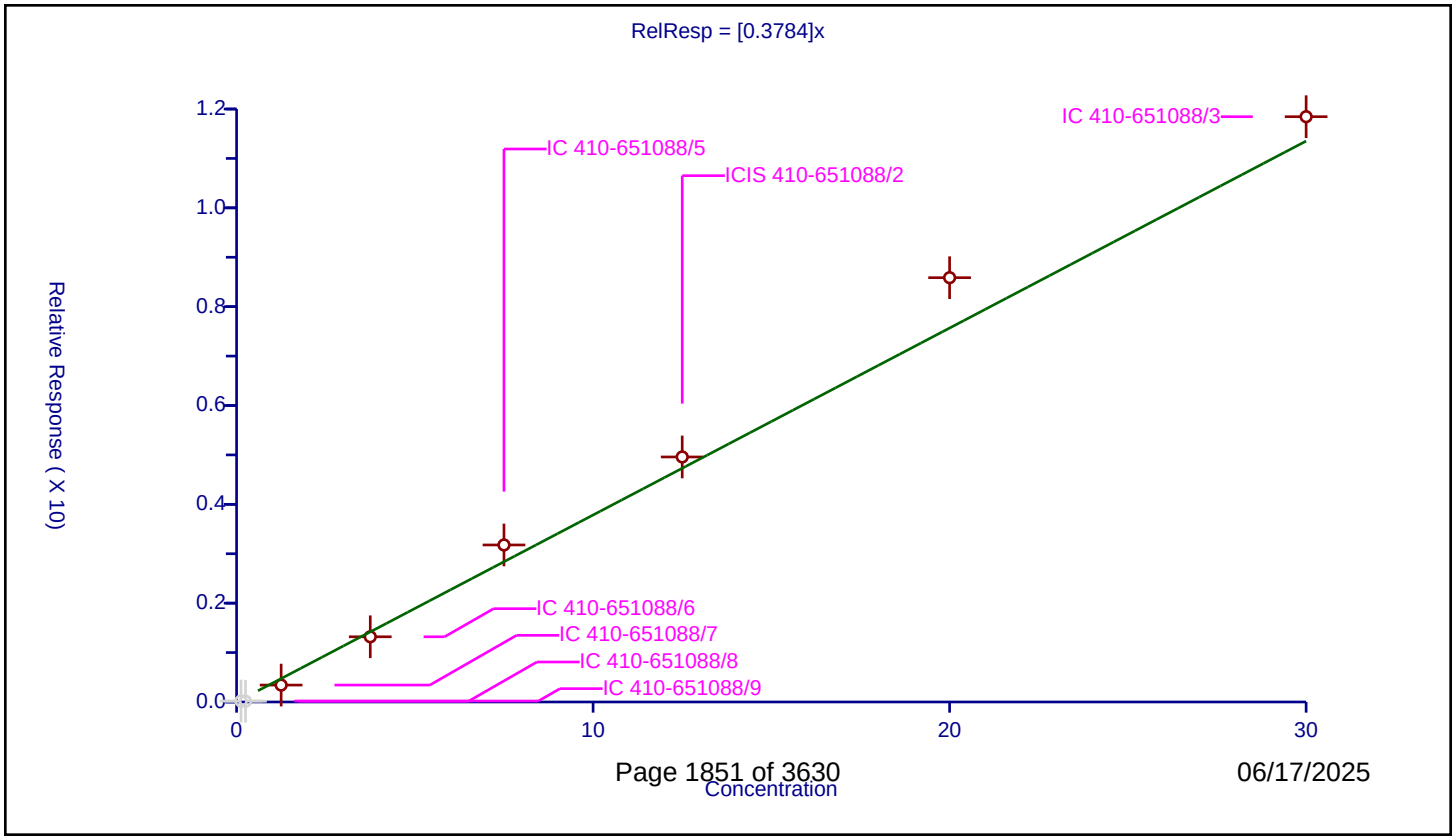
Curve Coefficients

Intercept:	0
Slope:	0.3784

Error Coefficients

Relative Standard Deviation:	15.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.019812	5.0	484549.0	0.158498	N
2	IC 410-651088/8	0.25	0.015391	5.0	514256.0	0.061565	N
3	IC 410-651088/7	1.25	0.342436	5.0	497933.0	0.273949	Y
4	IC 410-651088/6	3.75	1.319495	5.0	482370.0	0.351865	Y
5	IC 410-651088/5	7.5	3.177486	5.0	684324.0	0.423665	Y
6	ICIS 410-651088/2	12.5	4.958713	5.0	815515.0	0.396697	Y
7	IC 410-651088/4	20.0	8.586483	5.0	575437.0	0.429324	Y
8	IC 410-651088/3	30.0	11.844632	5.0	628082.0	0.394821	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

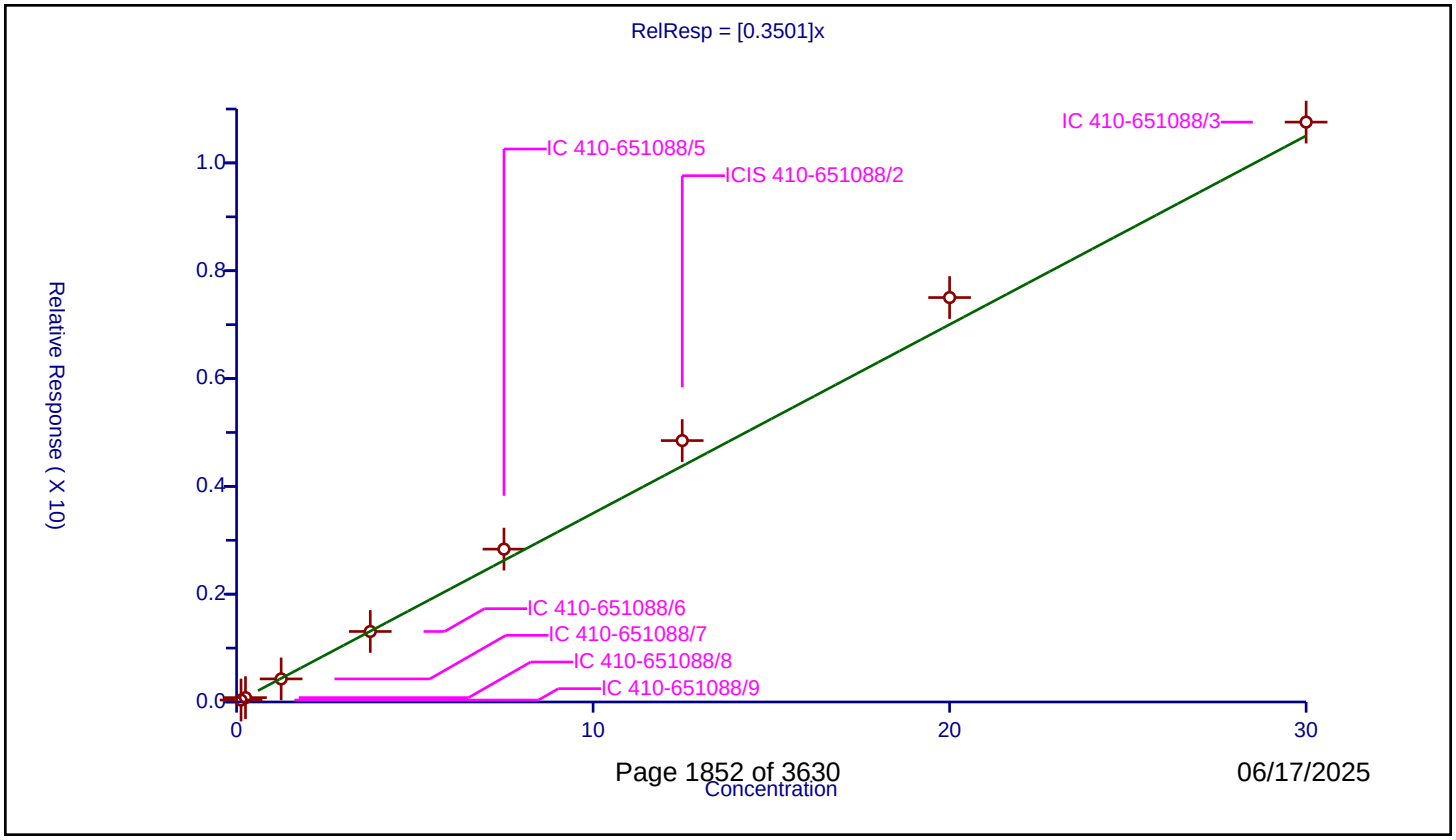
Curve Coefficients

Intercept:	0
Slope:	0.3501

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.035796	5.0	484549.0	0.286369	Y
2	IC 410-651088/8	0.25	0.080884	5.0	514256.0	0.323535	Y
3	IC 410-651088/7	1.25	0.42817	5.0	497933.0	0.342536	Y
4	IC 410-651088/6	3.75	1.308042	5.0	482370.0	0.348811	Y
5	IC 410-651088/5	7.5	2.835791	5.0	684324.0	0.378105	Y
6	ICIS 410-651088/2	12.5	4.849065	5.0	815515.0	0.387925	Y
7	IC 410-651088/4	20.0	7.502568	5.0	575437.0	0.375128	Y
8	IC 410-651088/3	30.0	10.757226	5.0	628082.0	0.358574	Y



Calibration / Safrole, Total

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

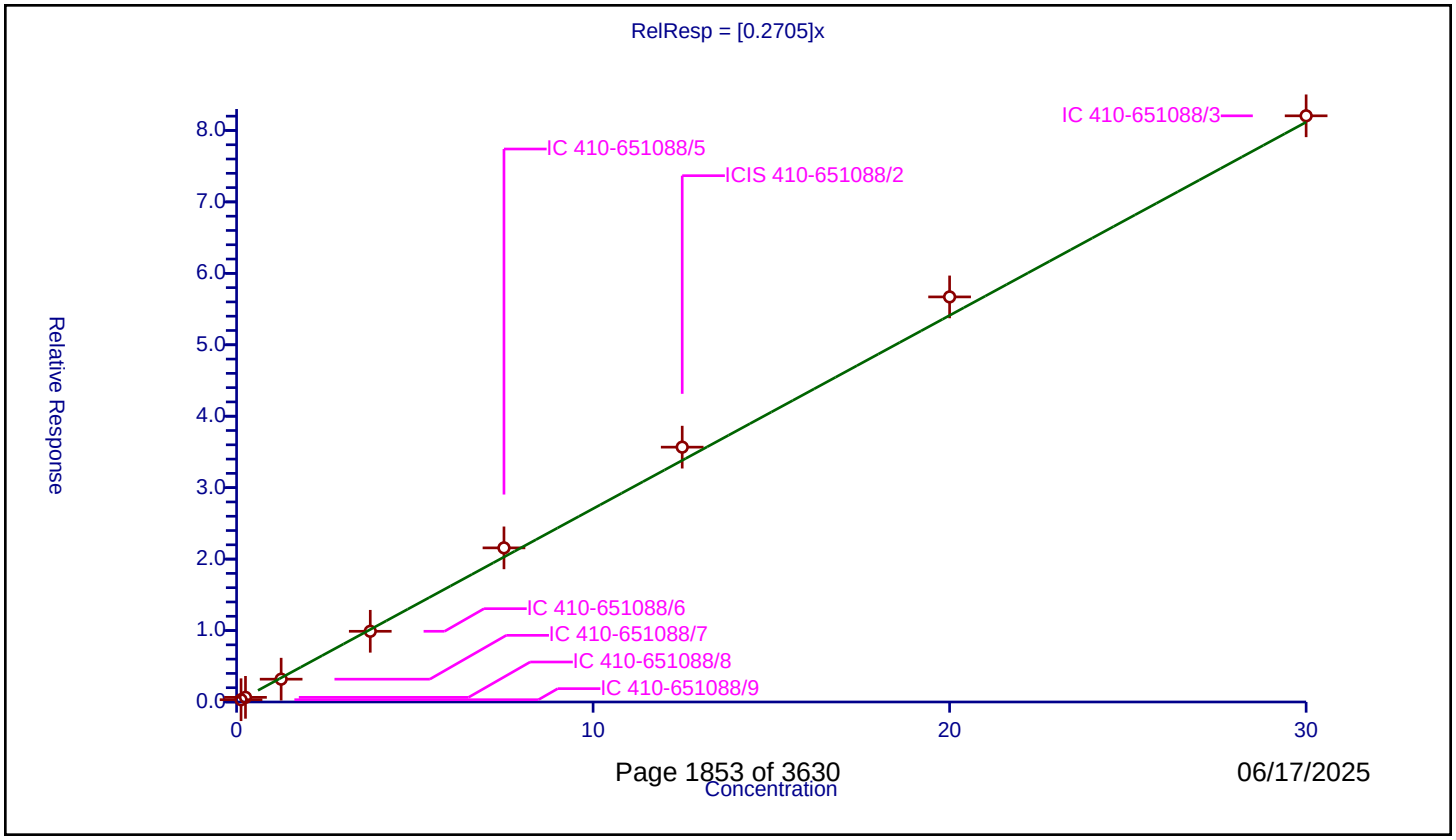
Curve Coefficients

Intercept:	0
Slope:	0.2705

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.031761	5.0	484549.0	0.254092	Y
2	IC 410-651088/8	0.25	0.06522	5.0	514256.0	0.260882	Y
3	IC 410-651088/7	1.25	0.31931	5.0	497933.0	0.255448	Y
4	IC 410-651088/6	3.75	0.989707	5.0	482370.0	0.263922	Y
5	IC 410-651088/5	7.5	2.157136	5.0	684324.0	0.287618	Y
6	ICIS 410-651088/2	12.5	3.567188	5.0	815515.0	0.285375	Y
7	IC 410-651088/4	20.0	5.669917	5.0	575437.0	0.283496	Y
8	IC 410-651088/3	30.0	8.2049	5.0	628082.0	0.273497	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

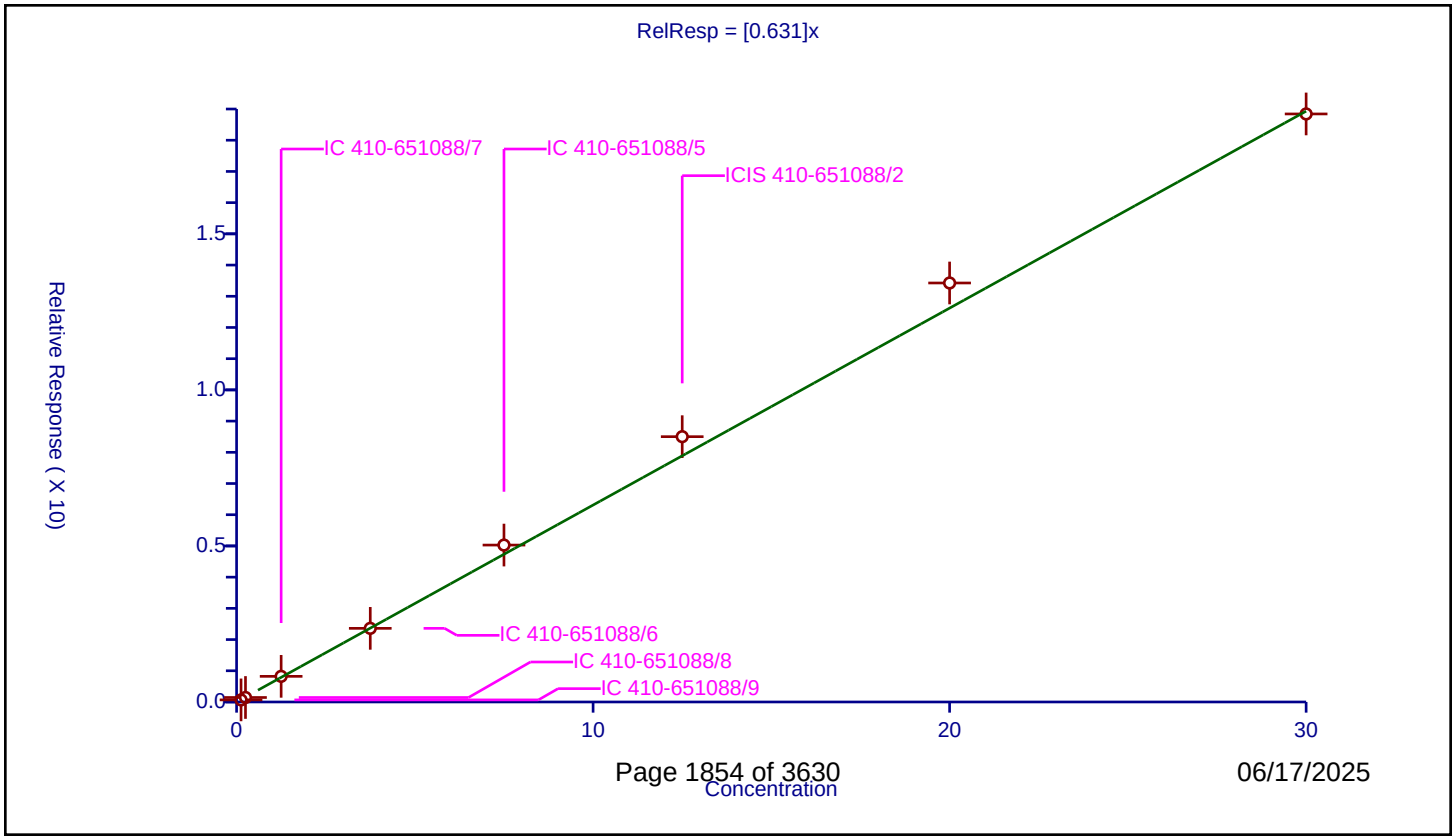
Curve Coefficients

Intercept:	0
Slope:	0.631

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.066939	5.0	484549.0	0.535508	Y
2	IC 410-651088/8	0.25	0.144053	5.0	514256.0	0.576211	Y
3	IC 410-651088/7	1.25	0.821697	5.0	497933.0	0.657358	Y
4	IC 410-651088/6	3.75	2.359869	5.0	482370.0	0.629298	Y
5	IC 410-651088/5	7.5	5.027699	5.0	684324.0	0.67036	Y
6	ICIS 410-651088/2	12.5	8.501358	5.0	815515.0	0.680109	Y
7	IC 410-651088/4	20.0	13.425588	5.0	575437.0	0.671279	Y
8	IC 410-651088/3	30.0	18.841855	5.0	628082.0	0.628062	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

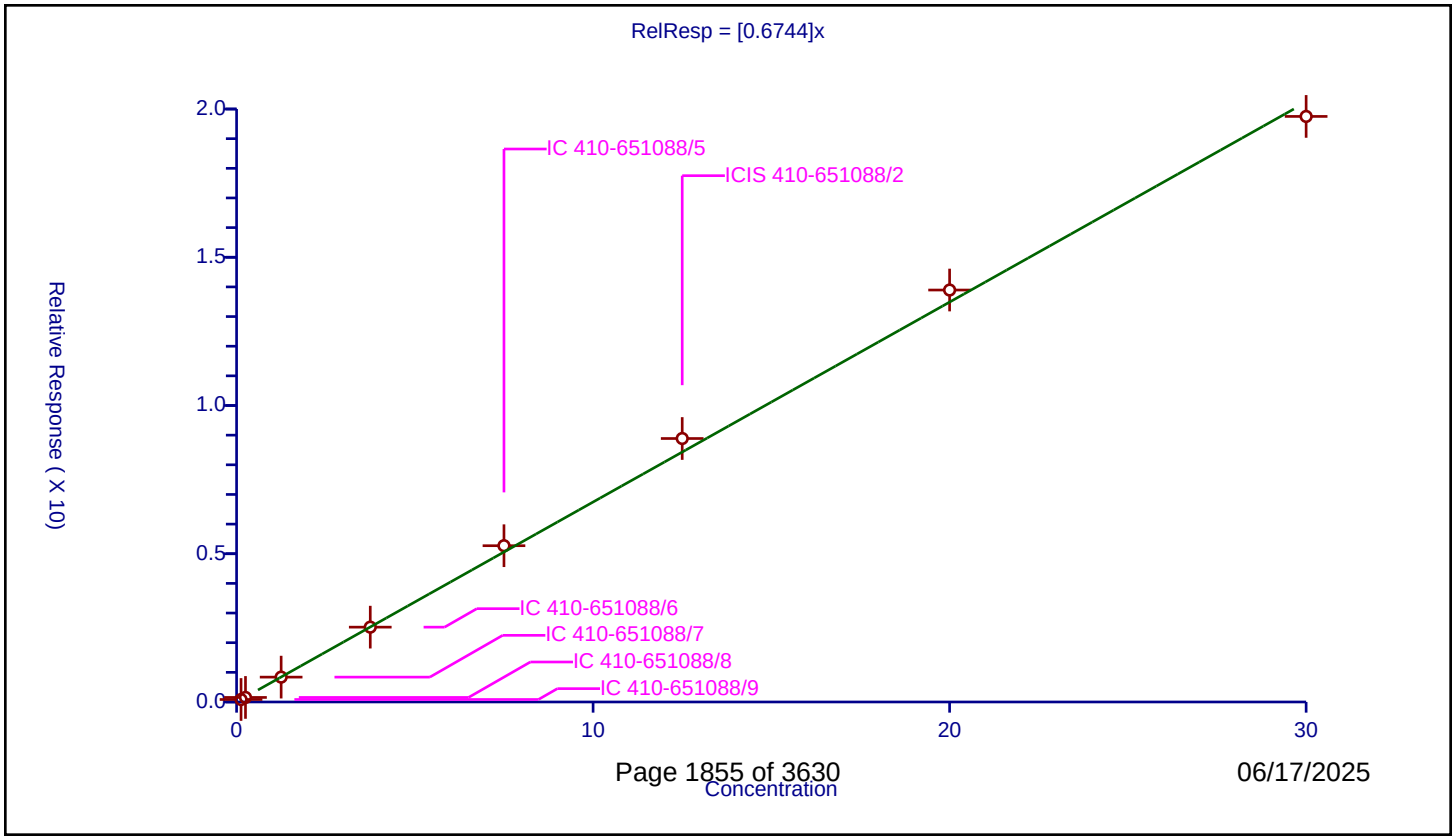
Curve Coefficients

Intercept:	0
Slope:	0.6744

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.083985	5.0	484549.0	0.671883	Y
2	IC 410-651088/8	0.25	0.153124	5.0	514256.0	0.612496	Y
3	IC 410-651088/7	1.25	0.838637	5.0	497933.0	0.67091	Y
4	IC 410-651088/6	3.75	2.524421	5.0	482370.0	0.673179	Y
5	IC 410-651088/5	7.5	5.270617	5.0	684324.0	0.702749	Y
6	ICIS 410-651088/2	12.5	8.886961	5.0	815515.0	0.710957	Y
7	IC 410-651088/4	20.0	13.894371	5.0	575437.0	0.694719	Y
8	IC 410-651088/3	30.0	19.749818	5.0	628082.0	0.658327	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

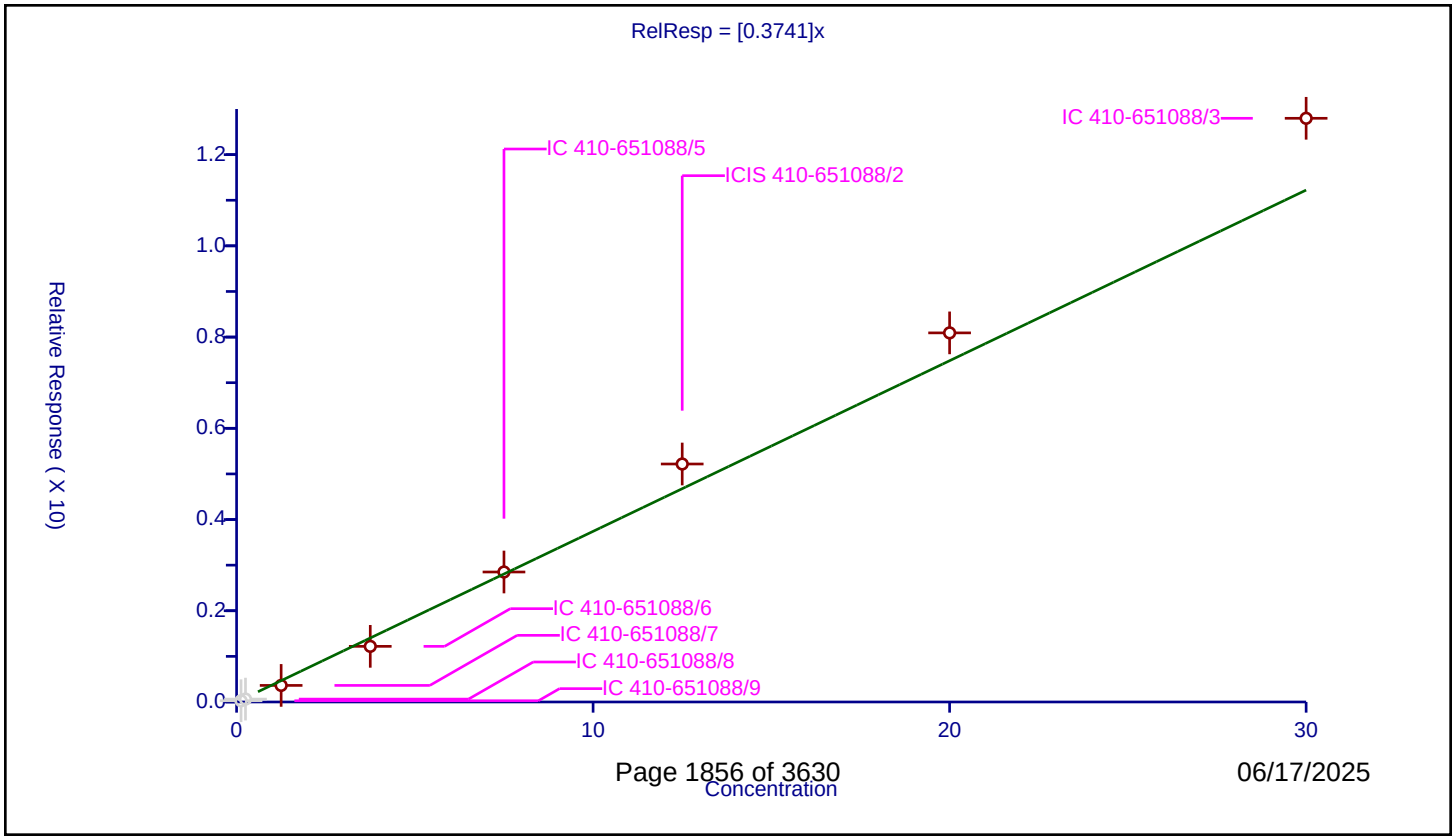
Curve Coefficients

Intercept:	0
Slope:	0.3741

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.027439	5.0	288096.0	0.21951	N
2	IC 410-651088/8	0.25	0.063595	5.0	318263.0	0.254381	N
3	IC 410-651088/7	1.25	0.36348	5.0	308820.0	0.290784	Y
4	IC 410-651088/6	3.75	1.219743	5.0	292865.0	0.325265	Y
5	IC 410-651088/5	7.5	2.849926	5.0	413630.0	0.37999	Y
6	ICIS 410-651088/2	12.5	5.217415	5.0	474622.0	0.417393	Y
7	IC 410-651088/4	20.0	8.091799	5.0	343457.0	0.40459	Y
8	IC 410-651088/3	30.0	12.796482	5.0	355763.0	0.426549	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

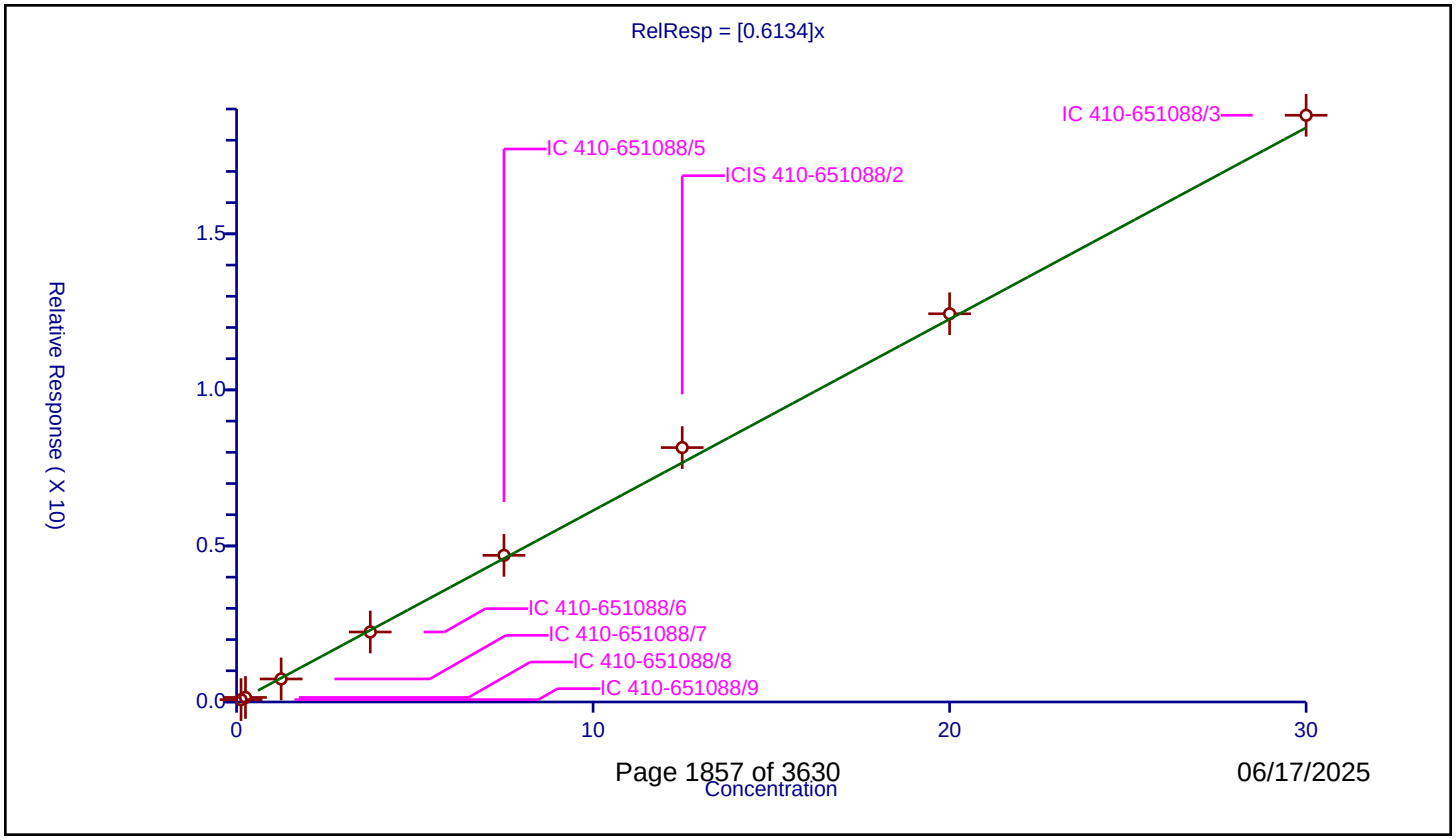
Curve Coefficients

Intercept:	0
Slope:	0.6134

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.075947	5.0	288096.0	0.607575	Y
2	IC 410-651088/8	0.25	0.145964	5.0	318263.0	0.583857	Y
3	IC 410-651088/7	1.25	0.737744	5.0	308820.0	0.590195	Y
4	IC 410-651088/6	3.75	2.242262	5.0	292865.0	0.597936	Y
5	IC 410-651088/5	7.5	4.698873	5.0	413630.0	0.626516	Y
6	ICIS 410-651088/2	12.5	8.152235	5.0	474622.0	0.652179	Y
7	IC 410-651088/4	20.0	12.439214	5.0	343457.0	0.621961	Y
8	IC 410-651088/3	30.0	18.800213	5.0	355763.0	0.626674	Y



Calibration / Isosafrole Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

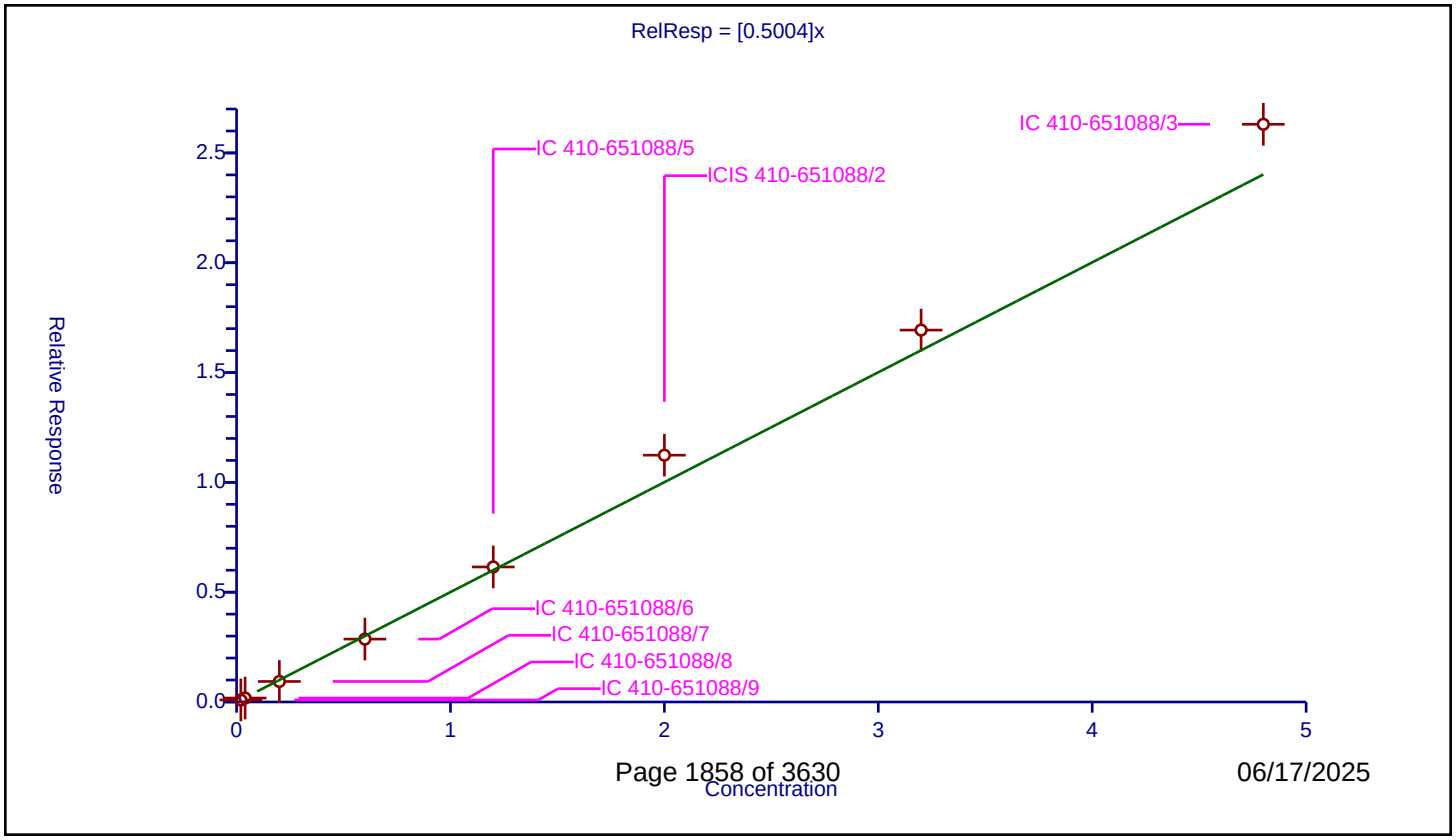
Curve Coefficients

Intercept:	0
Slope:	0.5004

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.02	0.009216	5.0	288096.0	0.460784	Y
2	IC 410-651088/8	0.04	0.017863	5.0	318263.0	0.446565	Y
3	IC 410-651088/7	0.2	0.093388	5.0	308820.0	0.466939	Y
4	IC 410-651088/6	0.6	0.286412	5.0	292865.0	0.477353	Y
5	IC 410-651088/5	1.2	0.614849	5.0	413630.0	0.512374	Y
6	ICIS 410-651088/2	2.0	1.1238	5.0	474622.0	0.5619	Y
7	IC 410-651088/4	3.2	1.693414	5.0	343457.0	0.529192	Y
8	IC 410-651088/3	4.8	2.630445	5.0	355763.0	0.548009	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

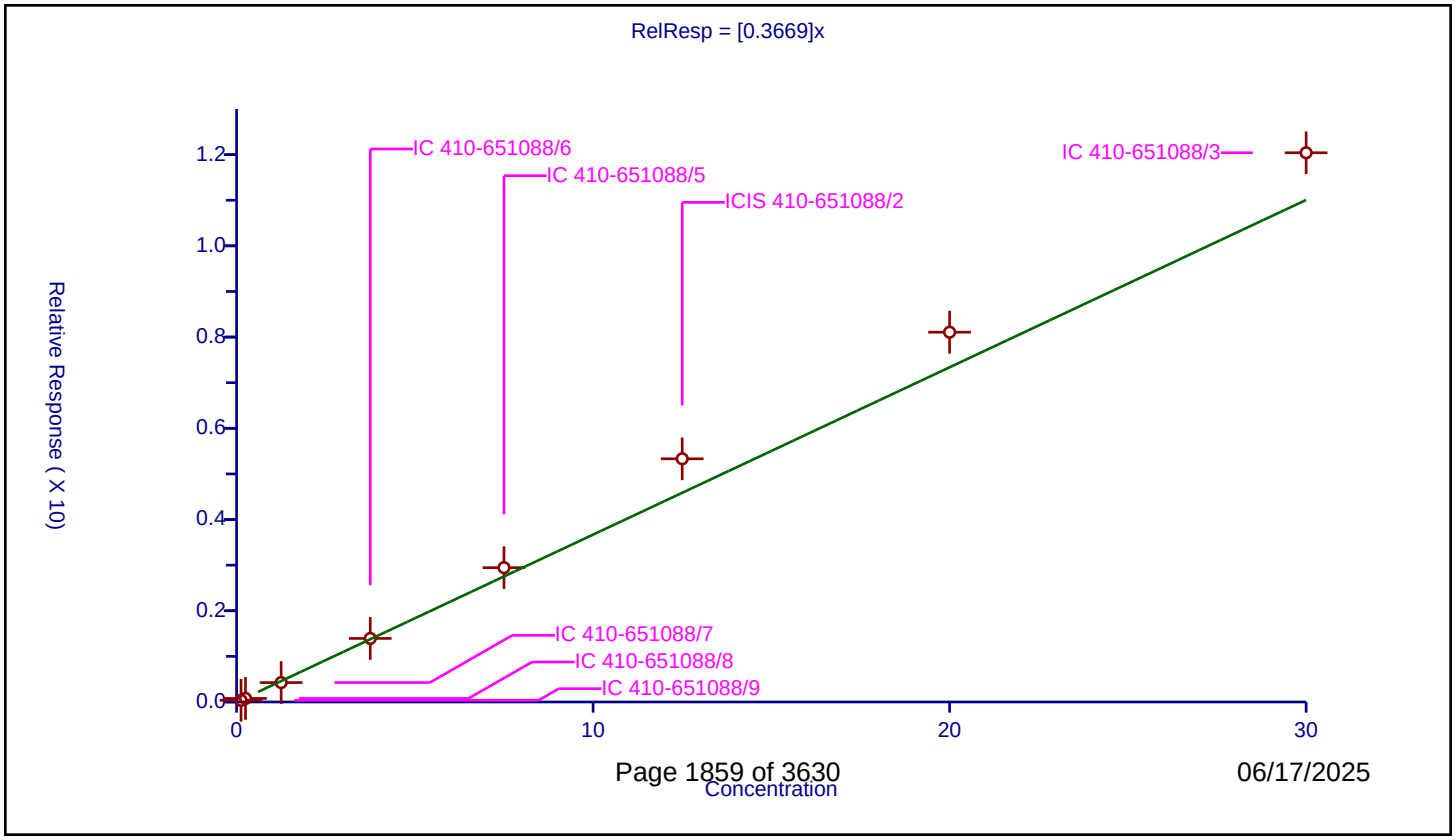
Curve Coefficients

Intercept:	0
Slope:	0.3669

Error Coefficients

Relative Standard Deviation:	13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.035804	5.0	288096.0	0.286432	Y
2	IC 410-651088/8	0.25	0.077766	5.0	318263.0	0.311063	Y
3	IC 410-651088/7	1.25	0.425086	5.0	308820.0	0.340069	Y
4	IC 410-651088/6	3.75	1.393355	5.0	292865.0	0.371561	Y
5	IC 410-651088/5	7.5	2.945144	5.0	413630.0	0.392686	Y
6	ICIS 410-651088/2	12.5	5.33159	5.0	474622.0	0.426527	Y
7	IC 410-651088/4	20.0	8.107289	5.0	343457.0	0.405364	Y
8	IC 410-651088/3	30.0	12.041373	5.0	355763.0	0.401379	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

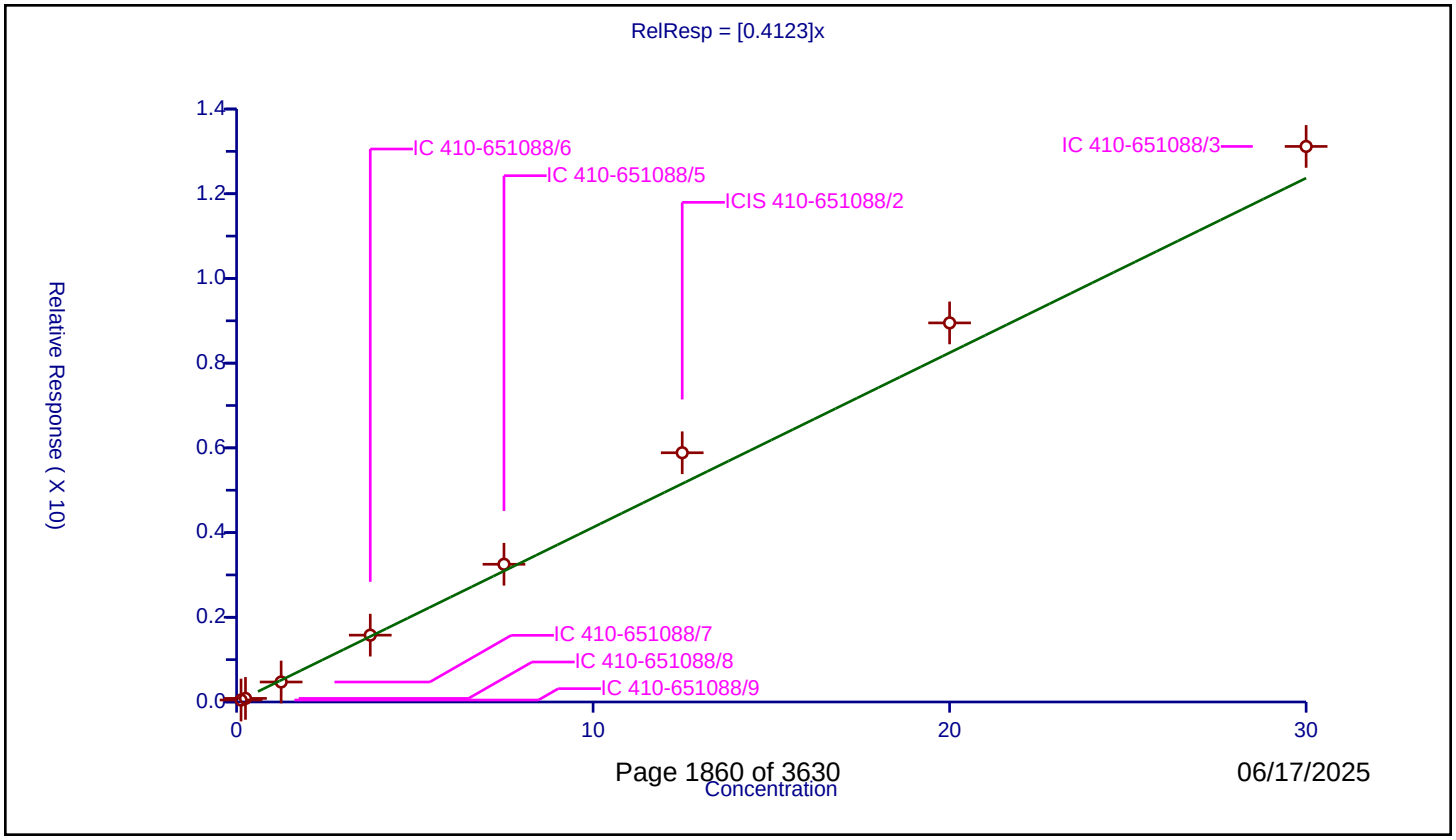
Curve Coefficients

Intercept:	0
Slope:	0.4123

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.046547	5.0	288096.0	0.372376	Y
2	IC 410-651088/8	0.25	0.084616	5.0	318263.0	0.338462	Y
3	IC 410-651088/7	1.25	0.471974	5.0	308820.0	0.377579	Y
4	IC 410-651088/6	3.75	1.578202	5.0	292865.0	0.420854	Y
5	IC 410-651088/5	7.5	3.251577	5.0	413630.0	0.433544	Y
6	ICIS 410-651088/2	12.5	5.884314	5.0	474622.0	0.470745	Y
7	IC 410-651088/4	20.0	8.949941	5.0	343457.0	0.447497	Y
8	IC 410-651088/3	30.0	13.116372	5.0	355763.0	0.437212	Y



Calibration / 2-Fluorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

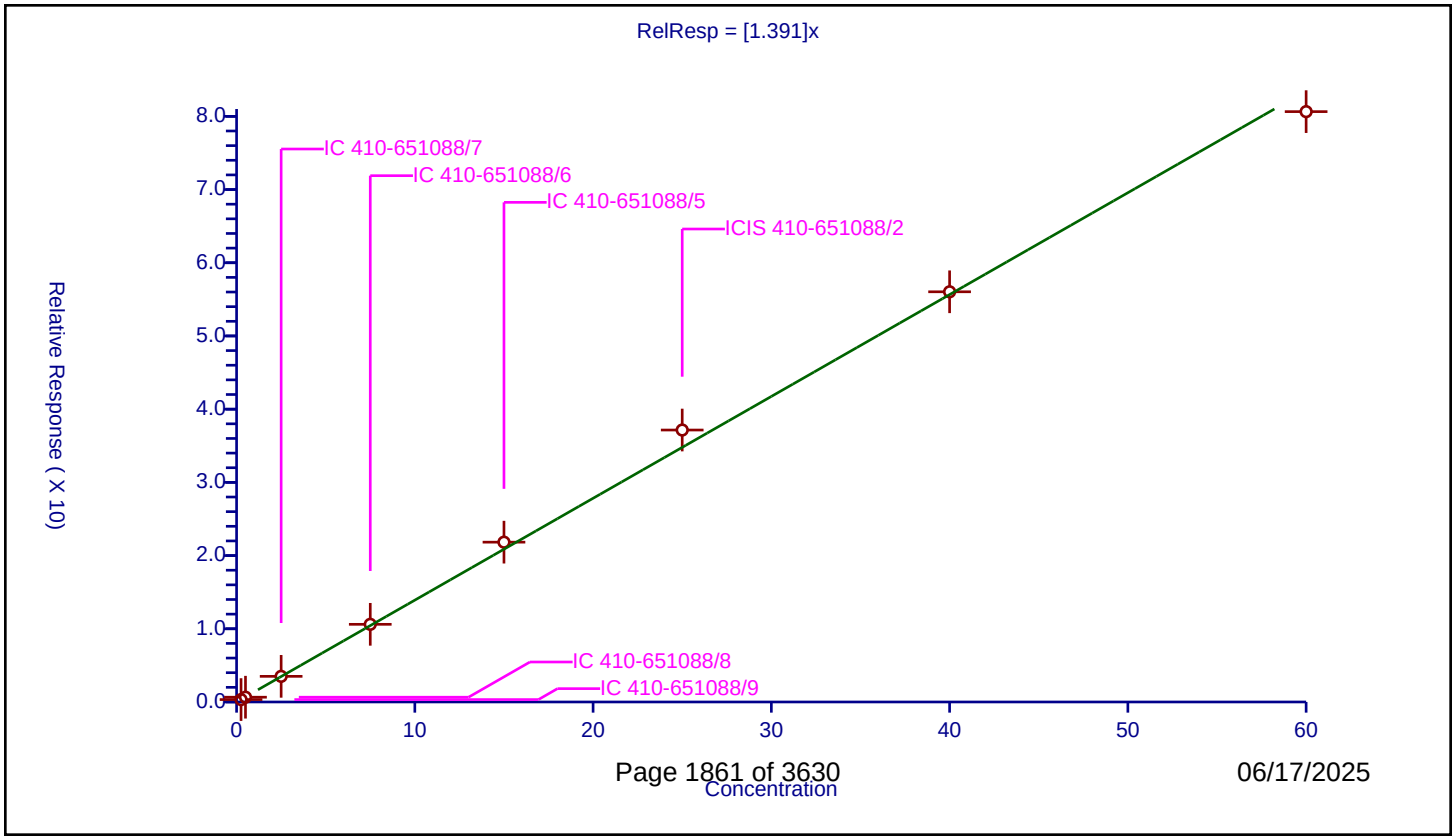
Curve Coefficients

Intercept:	0
Slope:	1.391

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.25	0.33074	5.0	288096.0	1.322962	Y
2	IC 410-651088/8	0.5	0.652275	5.0	318263.0	1.30455	Y
3	IC 410-651088/7	2.5	3.504015	5.0	308820.0	1.401606	Y
4	IC 410-651088/6	7.5	10.609359	5.0	292865.0	1.414581	Y
5	IC 410-651088/5	15.0	21.833837	5.0	413630.0	1.455589	Y
6	ICIS 410-651088/2	25.0	37.15108	5.0	474622.0	1.486043	Y
7	IC 410-651088/4	40.0	56.031861	5.0	343457.0	1.400797	Y
8	IC 410-651088/3	60.0	80.641354	5.0	355763.0	1.344023	Y



06/17/2025

Calibration / Isosafrole Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

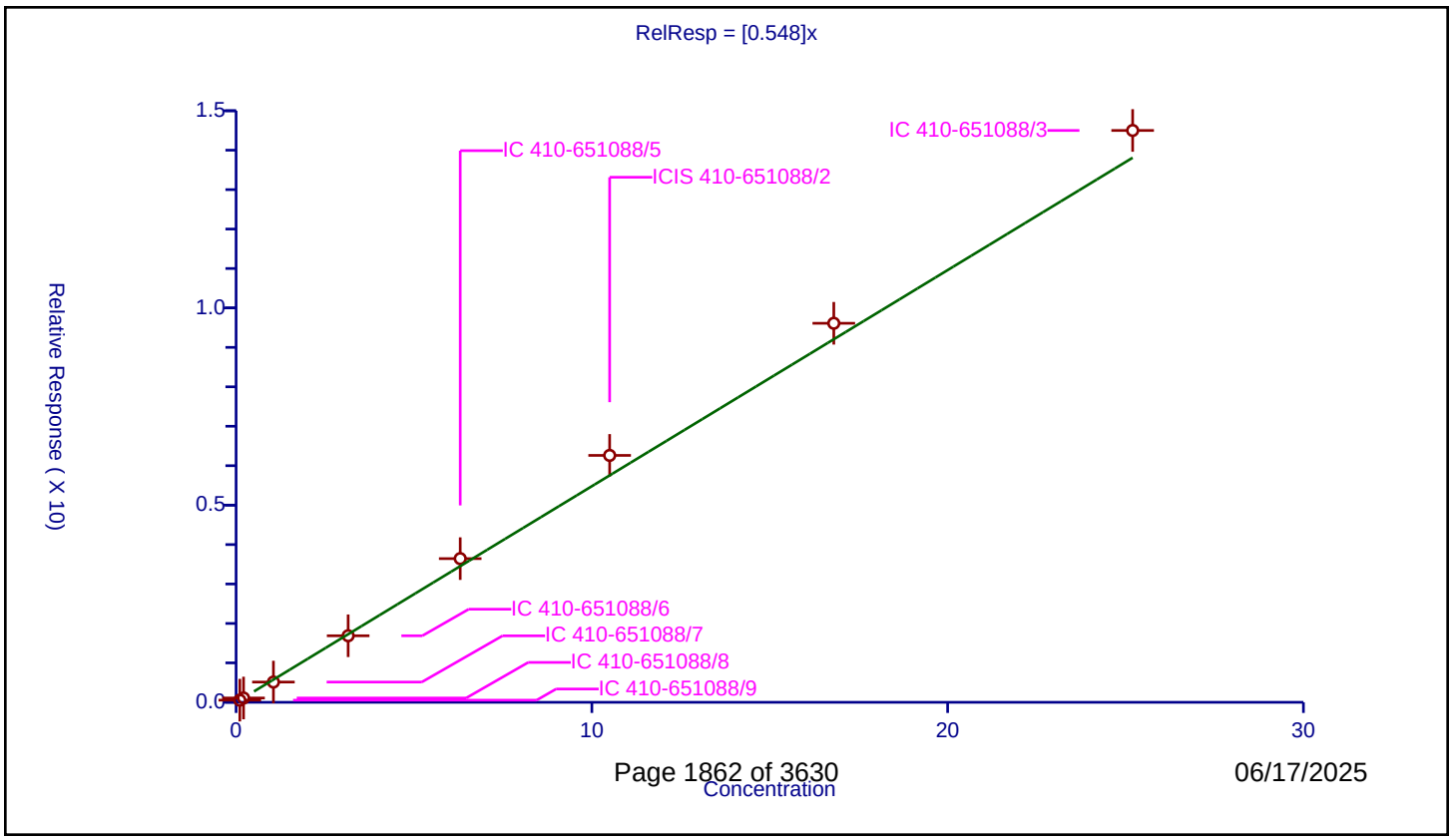
Curve Coefficients

Intercept:	0
Slope:	0.548

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.105	0.054235	5.0	288096.0	0.516528	Y
2	IC 410-651088/8	0.21	0.109249	5.0	318263.0	0.520235	Y
3	IC 410-651088/7	1.05	0.513649	5.0	308820.0	0.489189	Y
4	IC 410-651088/6	3.15	1.687313	5.0	292865.0	0.535655	Y
5	IC 410-651088/5	6.3	3.643389	5.0	413630.0	0.578316	Y
6	ICIS 410-651088/2	10.5	6.260645	5.0	474622.0	0.596252	Y
7	IC 410-651088/4	16.8	9.610621	5.0	343457.0	0.572061	Y
8	IC 410-651088/3	25.2	14.499836	5.0	355763.0	0.57539	Y



Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

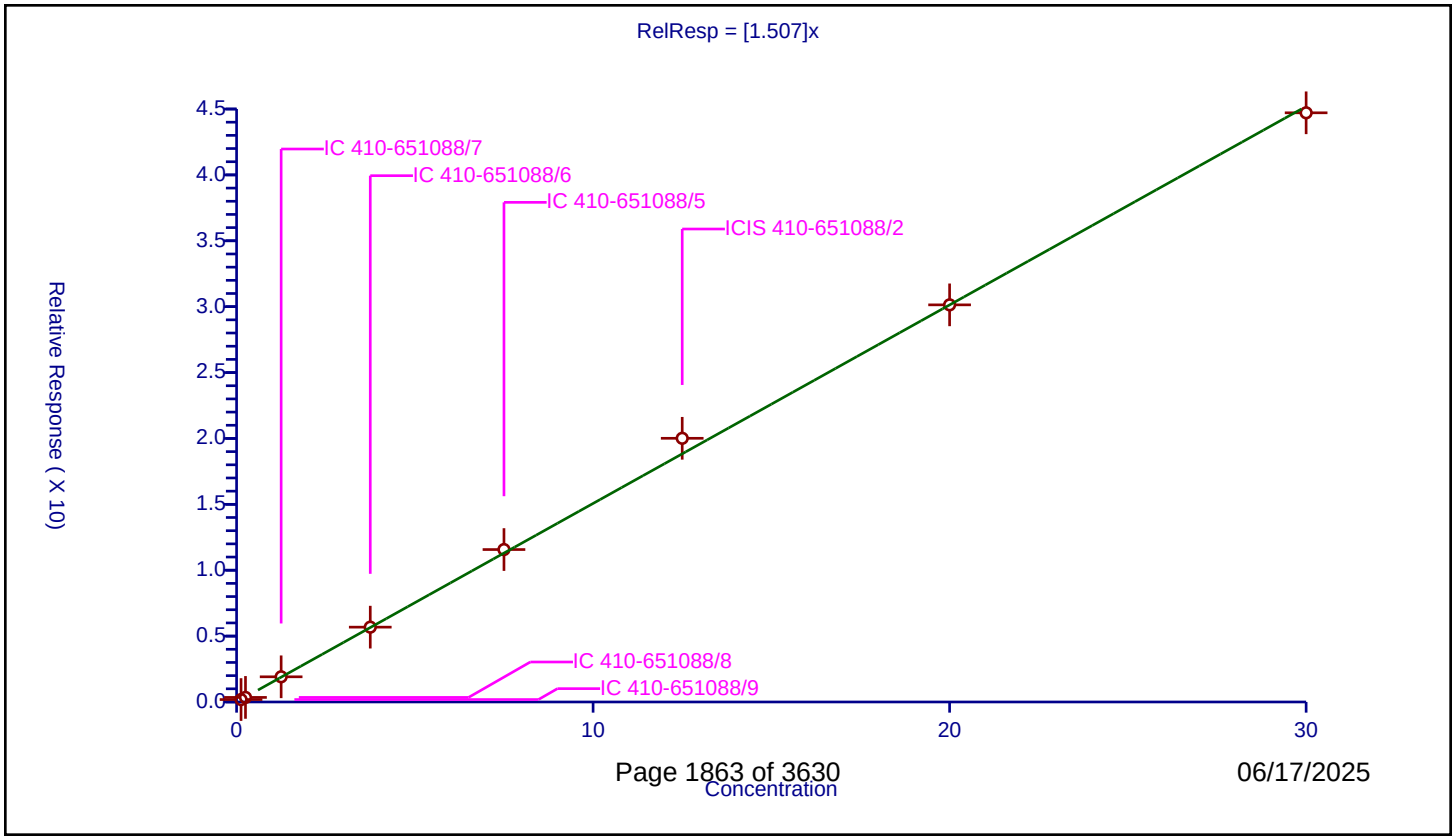
Curve Coefficients

Intercept:	0
Slope:	1.507

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.185511	5.0	288096.0	1.484089	Y
2	IC 410-651088/8	0.25	0.346396	5.0	318263.0	1.385584	Y
3	IC 410-651088/7	1.25	1.910498	5.0	308820.0	1.528398	Y
4	IC 410-651088/6	3.75	5.678623	5.0	292865.0	1.5143	Y
5	IC 410-651088/5	7.5	11.569011	5.0	413630.0	1.542535	Y
6	ICIS 410-651088/2	12.5	20.010366	5.0	474622.0	1.600829	Y
7	IC 410-651088/4	20.0	30.138693	5.0	343457.0	1.506935	Y
8	IC 410-651088/3	30.0	44.712927	5.0	355763.0	1.490431	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

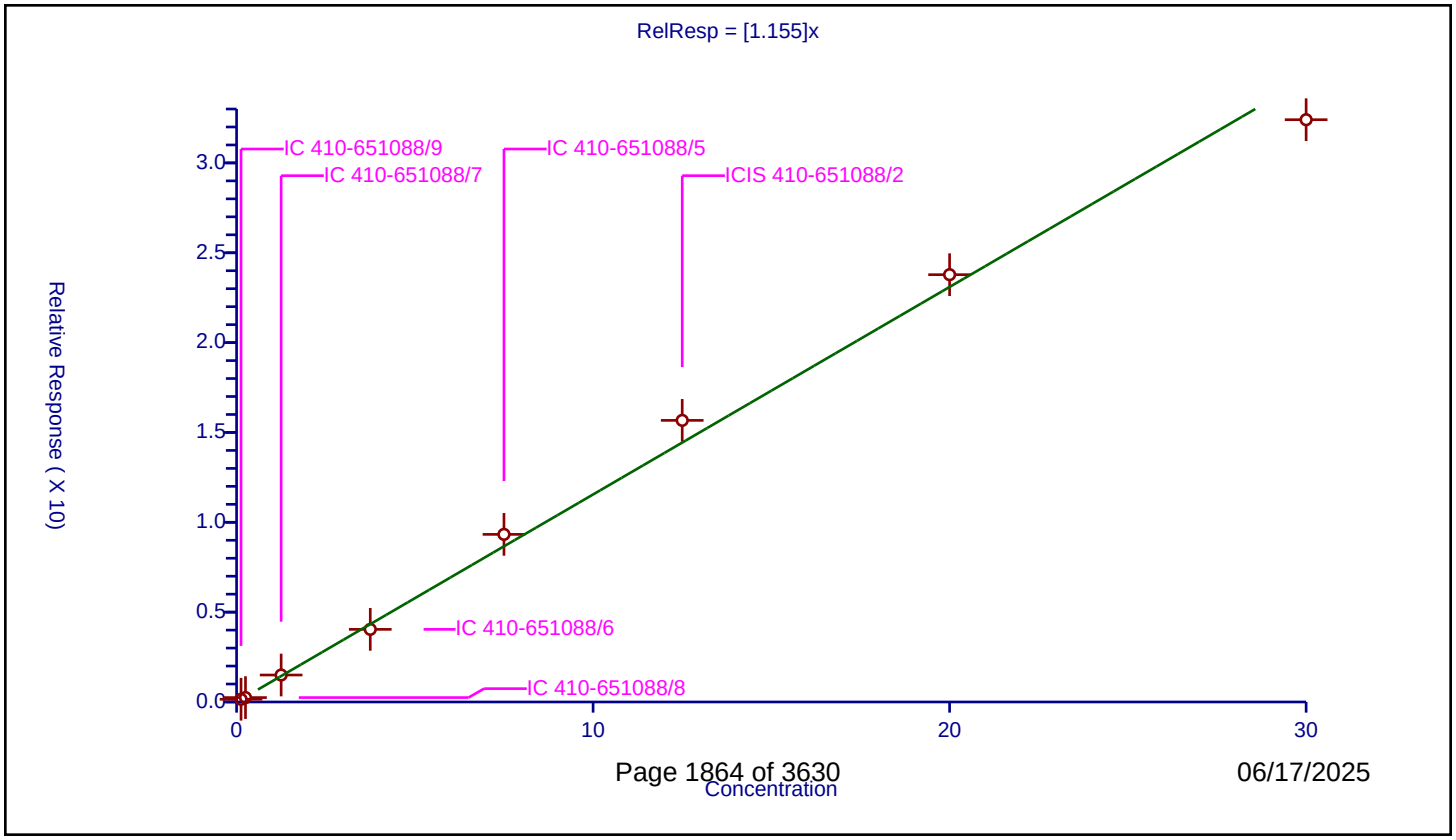
Curve Coefficients

Intercept:	0
Slope:	1.155

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.151651	5.0	288096.0	1.213207	Y
2	IC 410-651088/8	0.25	0.24519	5.0	318263.0	0.980761	Y
3	IC 410-651088/7	1.25	1.500923	5.0	308820.0	1.200738	Y
4	IC 410-651088/6	3.75	4.042033	5.0	292865.0	1.077875	Y
5	IC 410-651088/5	7.5	9.327938	5.0	413630.0	1.243725	Y
6	ICIS 410-651088/2	12.5	15.671977	5.0	474622.0	1.253758	Y
7	IC 410-651088/4	20.0	23.780881	5.0	343457.0	1.189044	Y
8	IC 410-651088/3	30.0	32.404958	5.0	355763.0	1.080165	Y



Calibration / 1-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

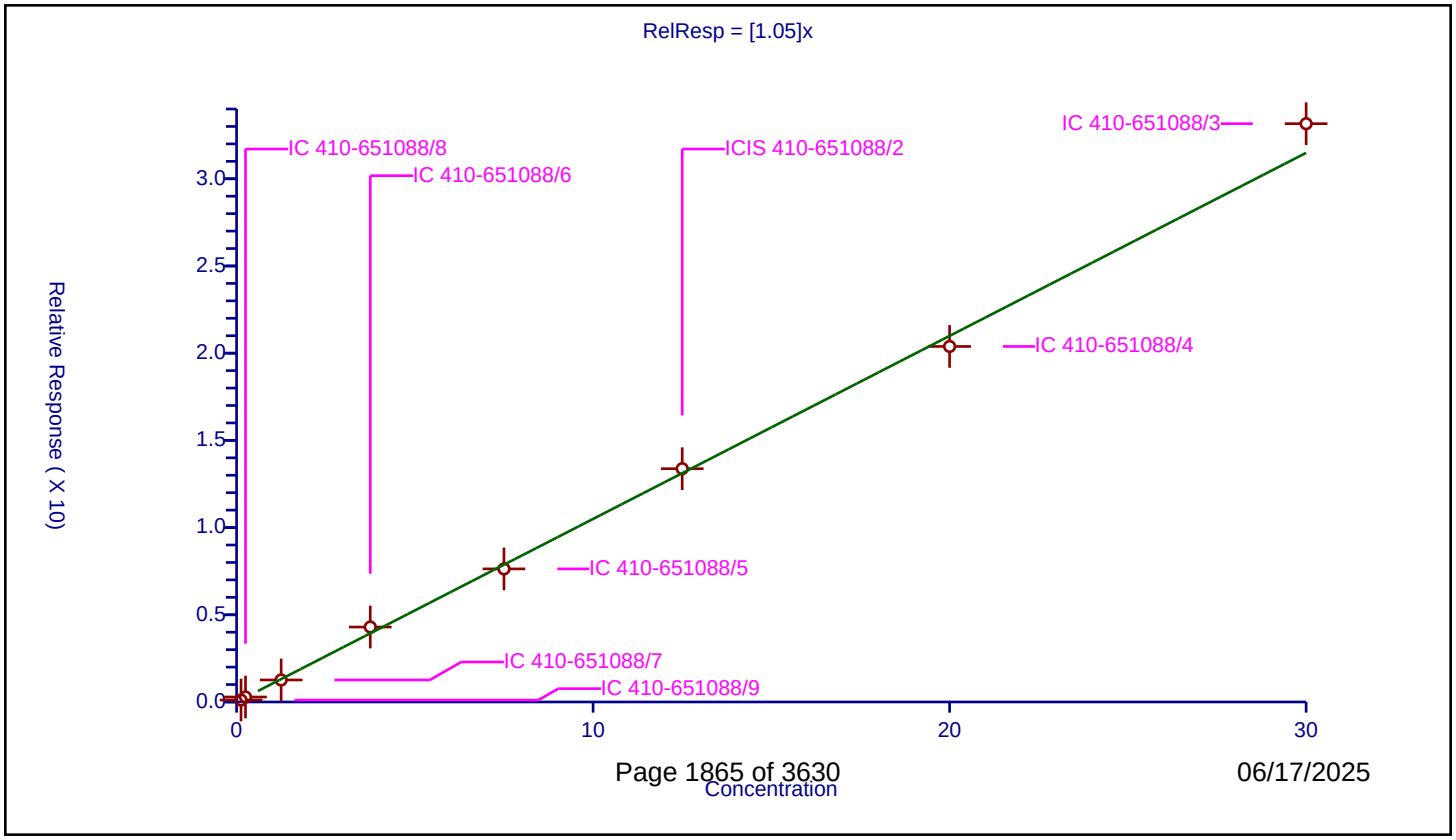
Curve Coefficients

Intercept:	0
Slope:	1.05

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.111369	5.0	288096.0	0.890953	Y
2	IC 410-651088/8	0.25	0.284607	5.0	318263.0	1.13843	Y
3	IC 410-651088/7	1.25	1.261447	5.0	308820.0	1.009157	Y
4	IC 410-651088/6	3.75	4.296707	5.0	292865.0	1.145788	Y
5	IC 410-651088/5	7.5	7.630237	5.0	413630.0	1.017365	Y
6	ICIS 410-651088/2	12.5	13.375844	5.0	474622.0	1.070068	Y
7	IC 410-651088/4	20.0	20.38558	5.0	343457.0	1.019279	Y
8	IC 410-651088/3	30.0	33.158479	5.0	355763.0	1.105283	Y



Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

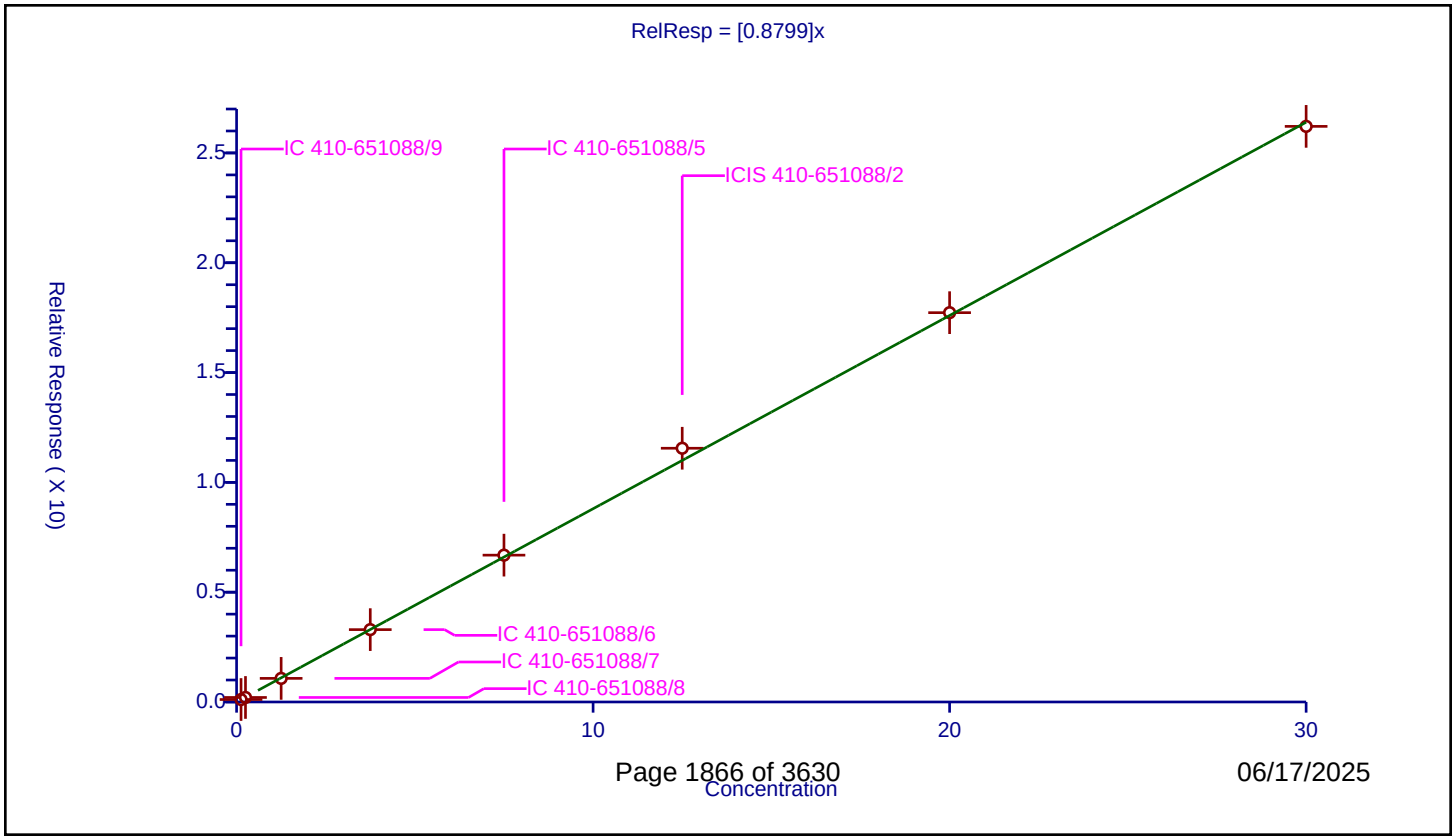
Curve Coefficients

Intercept:	0
Slope:	0.8799

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.112497	5.0	288096.0	0.899978	Y
2	IC 410-651088/8	0.25	0.206307	5.0	318263.0	0.825229	Y
3	IC 410-651088/7	1.25	1.074574	5.0	308820.0	0.859659	Y
4	IC 410-651088/6	3.75	3.295307	5.0	292865.0	0.878748	Y
5	IC 410-651088/5	7.5	6.685601	5.0	413630.0	0.891413	Y
6	ICIS 410-651088/2	12.5	11.554426	5.0	474622.0	0.924354	Y
7	IC 410-651088/4	20.0	17.727285	5.0	343457.0	0.886364	Y
8	IC 410-651088/3	30.0	26.208965	5.0	355763.0	0.873632	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

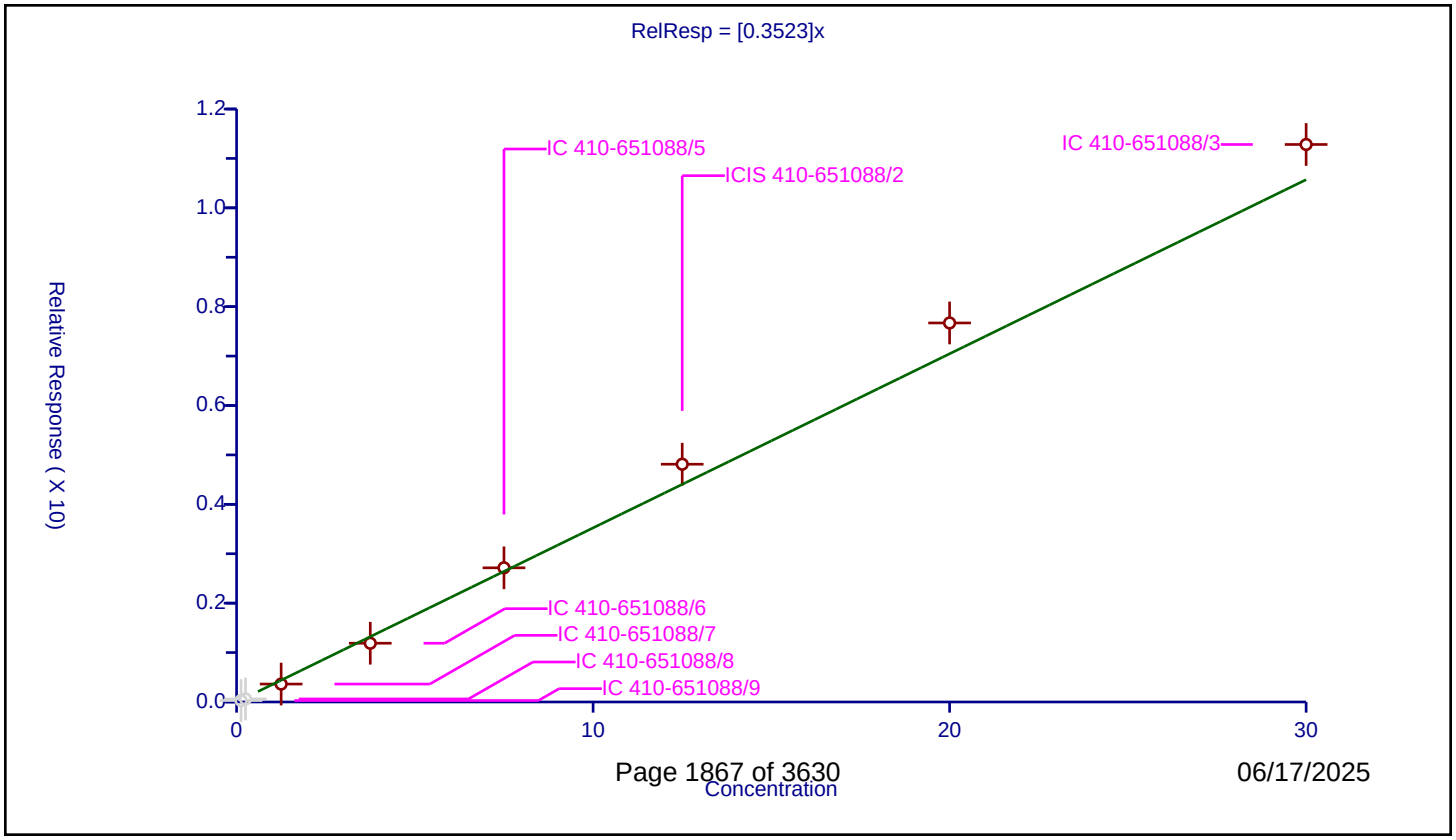
Curve Coefficients

Intercept:	0
Slope:	0.3523

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.029296	5.0	288096.0	0.234366	N
2	IC 410-651088/8	0.25	0.061898	5.0	318263.0	0.247594	N
3	IC 410-651088/7	1.25	0.362946	5.0	308820.0	0.290357	Y
4	IC 410-651088/6	3.75	1.189063	5.0	292865.0	0.317084	Y
5	IC 410-651088/5	7.5	2.71512	5.0	413630.0	0.362016	Y
6	ICIS 410-651088/2	12.5	4.811977	5.0	474622.0	0.384958	Y
7	IC 410-651088/4	20.0	7.670349	5.0	343457.0	0.383517	Y
8	IC 410-651088/3	30.0	11.282371	5.0	355763.0	0.376079	Y



Calibration / 1,4-Naphthoquinone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

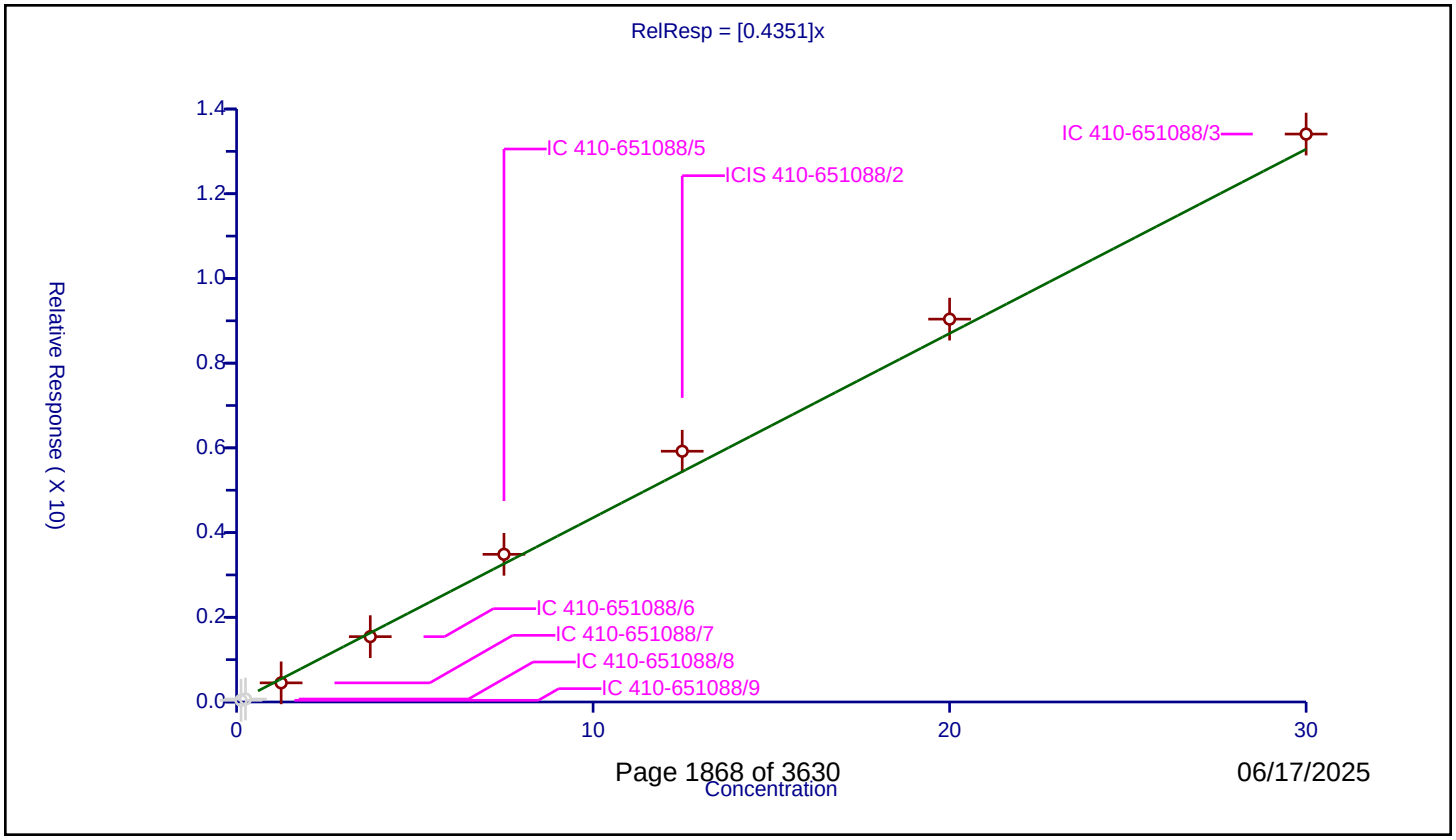
Curve Coefficients

Intercept:	0
Slope:	0.4351

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.039865	5.0	288096.0	0.318921	N
2	IC 410-651088/8	0.25	0.070209	5.0	318263.0	0.280837	N
3	IC 410-651088/7	1.25	0.451849	5.0	308820.0	0.361479	Y
4	IC 410-651088/6	3.75	1.543049	5.0	292865.0	0.41148	Y
5	IC 410-651088/5	7.5	3.486667	5.0	413630.0	0.464889	Y
6	ICIS 410-651088/2	12.5	5.920195	5.0	474622.0	0.473616	Y
7	IC 410-651088/4	20.0	9.039283	5.0	343457.0	0.451964	Y
8	IC 410-651088/3	30.0	13.408547	5.0	355763.0	0.446952	Y



Calibration / 1,4-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

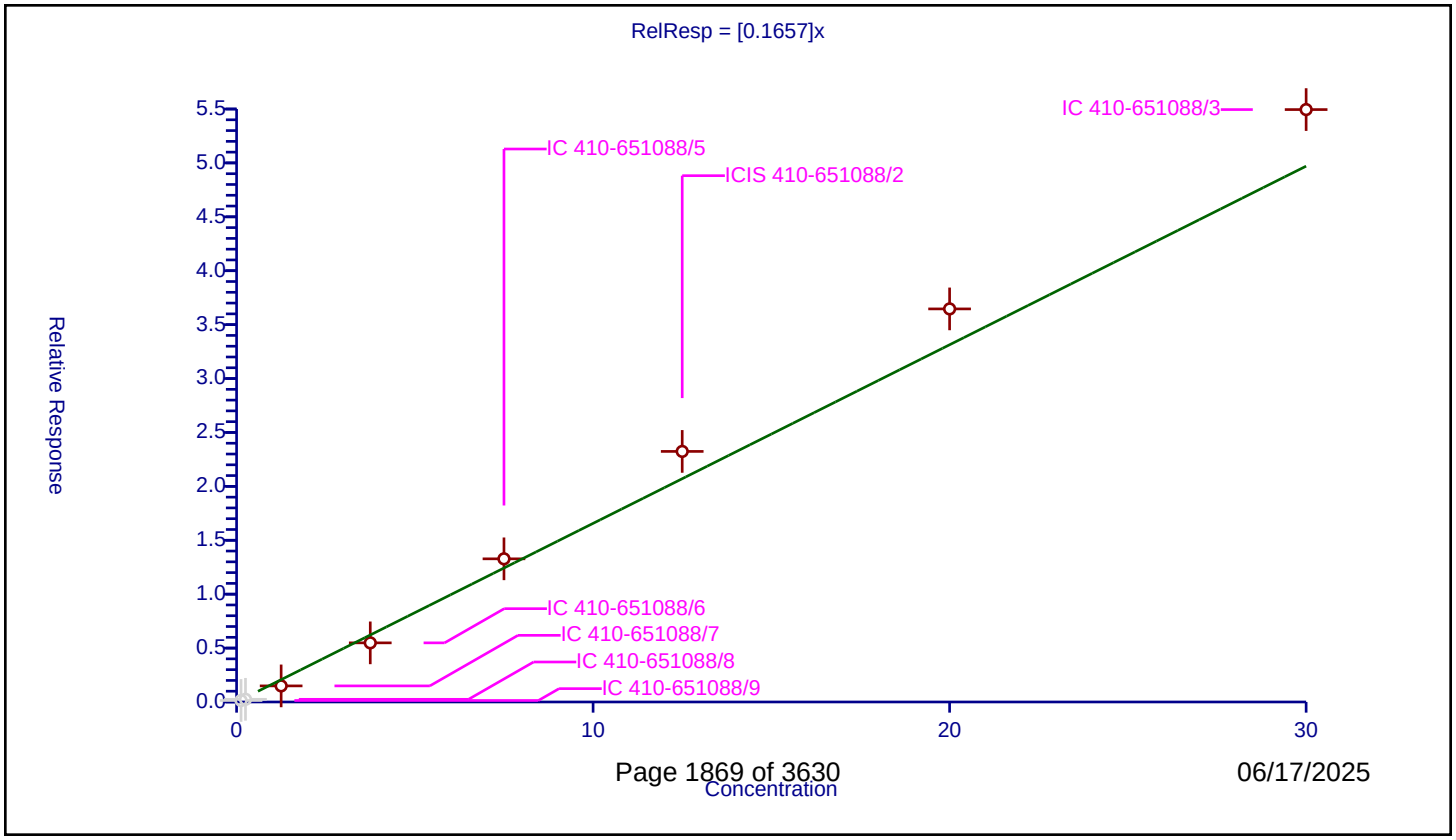
Curve Coefficients

Intercept:	0
Slope:	0.1657

Error Coefficients

Relative Standard Deviation:	16.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.014058	5.0	288096.0	0.112463	N
2	IC 410-651088/8	0.25	0.024807	5.0	318263.0	0.099226	N
3	IC 410-651088/7	1.25	0.149197	5.0	308820.0	0.119358	Y
4	IC 410-651088/6	3.75	0.548393	5.0	292865.0	0.146238	Y
5	IC 410-651088/5	7.5	1.327793	5.0	413630.0	0.177039	Y
6	ICIS 410-651088/2	12.5	2.324018	5.0	474622.0	0.185921	Y
7	IC 410-651088/4	20.0	3.645988	5.0	343457.0	0.182299	Y
8	IC 410-651088/3	30.0	5.494725	5.0	355763.0	0.183158	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

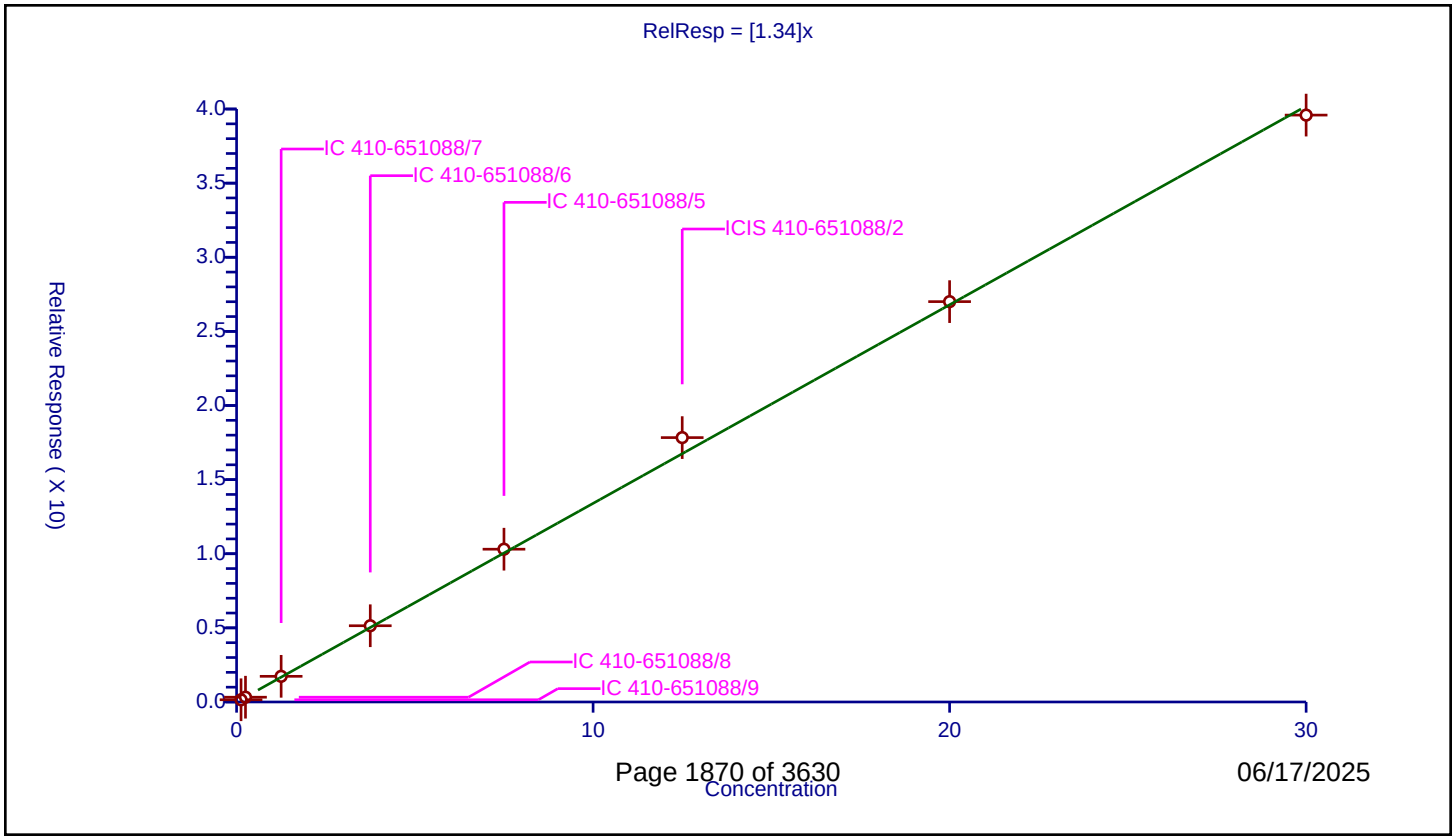
Curve Coefficients

Intercept:	0
Slope:	1.34

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.149776	5.0	288096.0	1.198212	Y
2	IC 410-651088/8	0.25	0.323129	5.0	318263.0	1.292516	Y
3	IC 410-651088/7	1.25	1.730976	5.0	308820.0	1.384781	Y
4	IC 410-651088/6	3.75	5.143189	5.0	292865.0	1.371517	Y
5	IC 410-651088/5	7.5	10.30705	5.0	413630.0	1.374273	Y
6	ICIS 410-651088/2	12.5	17.83396	5.0	474622.0	1.426717	Y
7	IC 410-651088/4	20.0	27.006729	5.0	343457.0	1.350336	Y
8	IC 410-651088/3	30.0	39.5896	5.0	355763.0	1.319653	Y



Calibration / 1,3-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

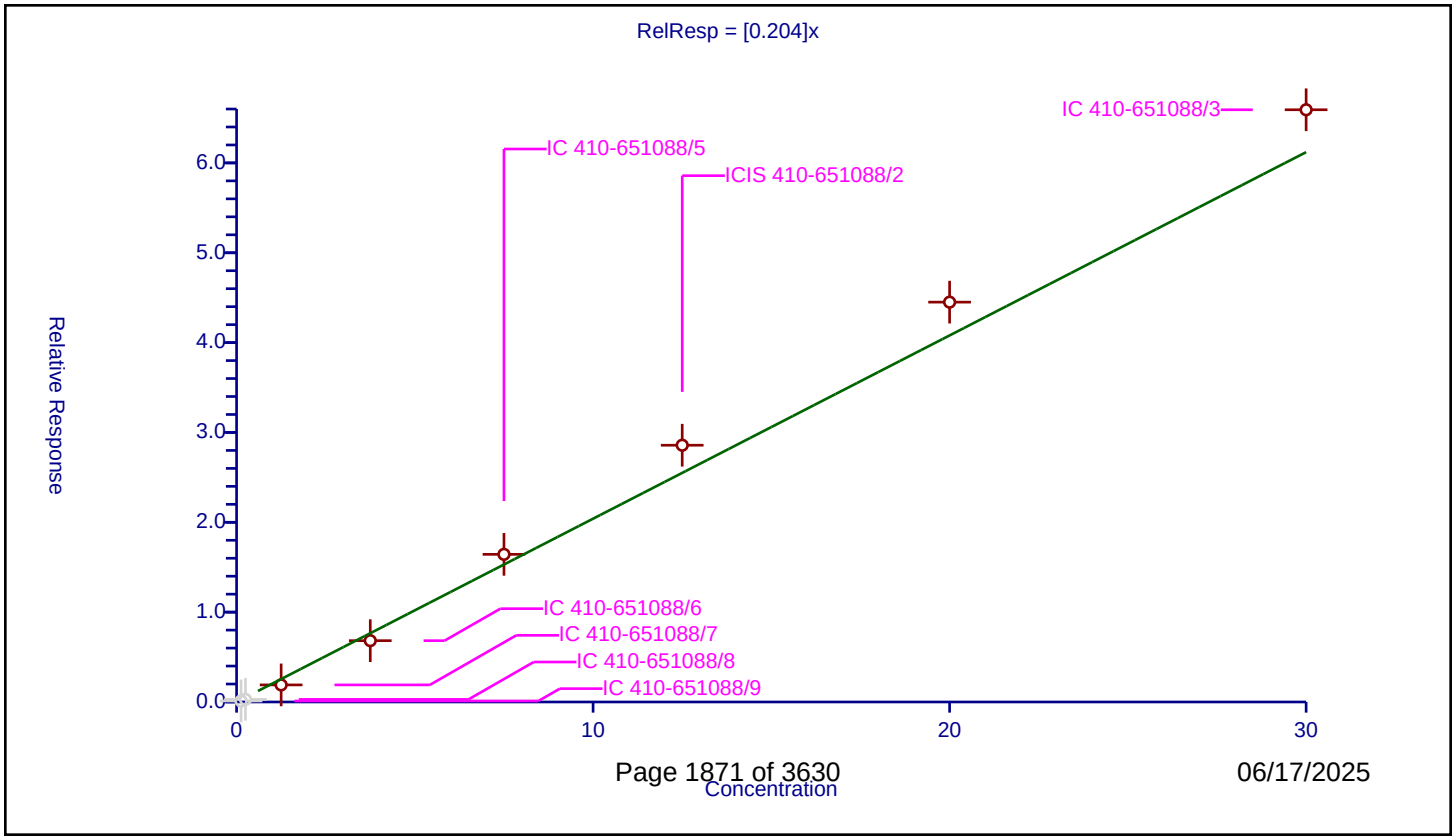
Curve Coefficients

Intercept:	0
Slope:	0.204

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.011472	5.0	288096.0	0.091775	N
2	IC 410-651088/8	0.25	0.028797	5.0	318263.0	0.115188	N
3	IC 410-651088/7	1.25	0.190014	5.0	308820.0	0.152011	Y
4	IC 410-651088/6	3.75	0.682396	5.0	292865.0	0.181972	Y
5	IC 410-651088/5	7.5	1.643389	5.0	413630.0	0.219119	Y
6	ICIS 410-651088/2	12.5	2.857927	5.0	474622.0	0.228634	Y
7	IC 410-651088/4	20.0	4.450412	5.0	343457.0	0.222521	Y
8	IC 410-651088/3	30.0	6.591678	5.0	355763.0	0.219723	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

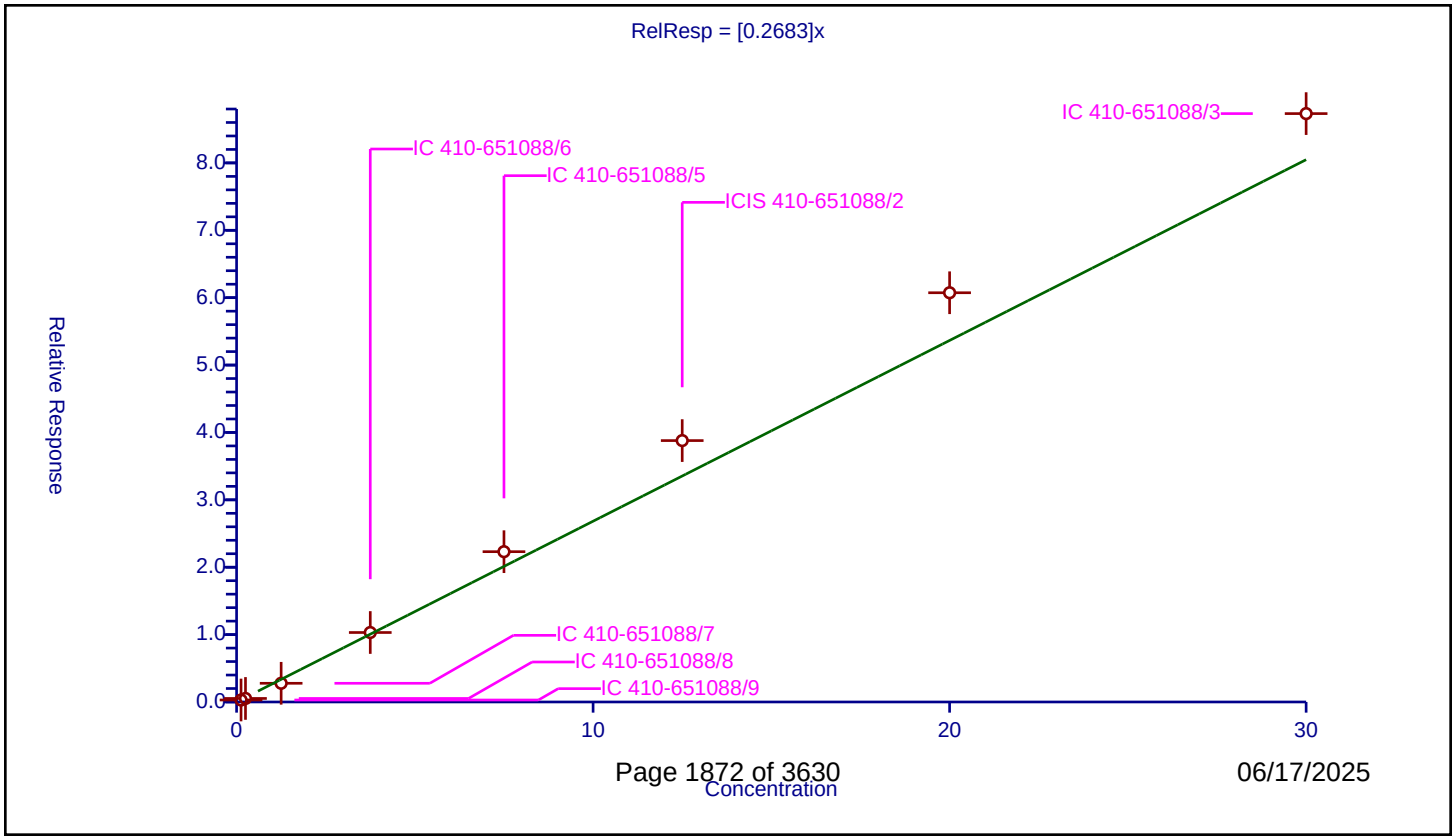
Curve Coefficients

Intercept:	0
Slope:	0.2683

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.029626	5.0	288096.0	0.237004	Y
2	IC 410-651088/8	0.25	0.052441	5.0	318263.0	0.209764	Y
3	IC 410-651088/7	1.25	0.277476	5.0	308820.0	0.22198	Y
4	IC 410-651088/6	3.75	1.030919	5.0	292865.0	0.274912	Y
5	IC 410-651088/5	7.5	2.230665	5.0	413630.0	0.297422	Y
6	ICIS 410-651088/2	12.5	3.879456	5.0	474622.0	0.310356	Y
7	IC 410-651088/4	20.0	6.073118	5.0	343457.0	0.303656	Y
8	IC 410-651088/3	30.0	8.73181	5.0	355763.0	0.29106	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

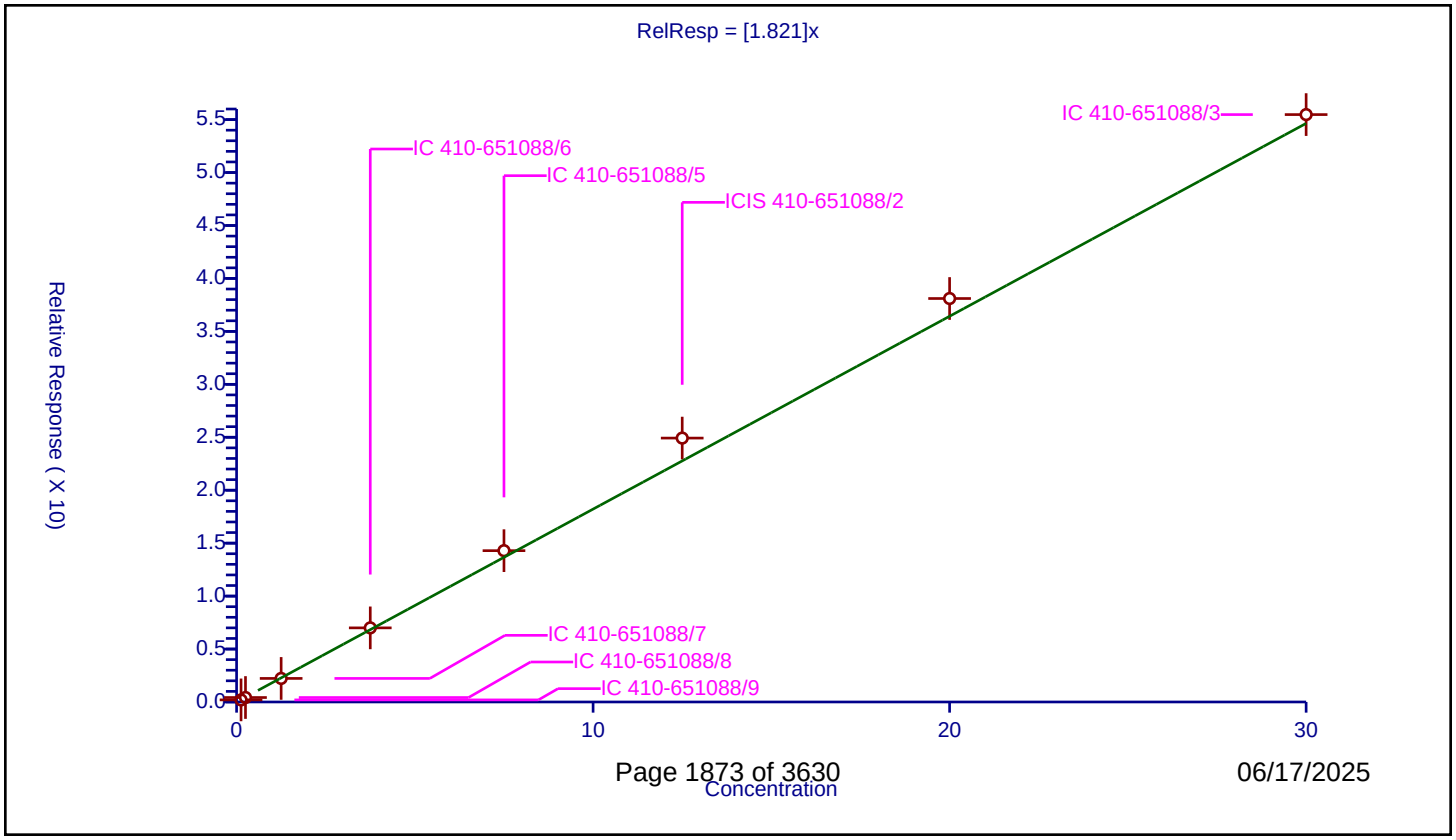
Curve Coefficients

Intercept:	0
Slope:	1.821

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.198753	5.0	288096.0	1.590026	Y
2	IC 410-651088/8	0.25	0.420611	5.0	318263.0	1.682445	Y
3	IC 410-651088/7	1.25	2.22382	5.0	308820.0	1.779056	Y
4	IC 410-651088/6	3.75	6.998583	5.0	292865.0	1.866289	Y
5	IC 410-651088/5	7.5	14.290356	5.0	413630.0	1.905381	Y
6	ICIS 410-651088/2	12.5	24.921906	5.0	474622.0	1.993753	Y
7	IC 410-651088/4	20.0	38.103503	5.0	343457.0	1.905175	Y
8	IC 410-651088/3	30.0	55.473363	5.0	355763.0	1.849112	Y



Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

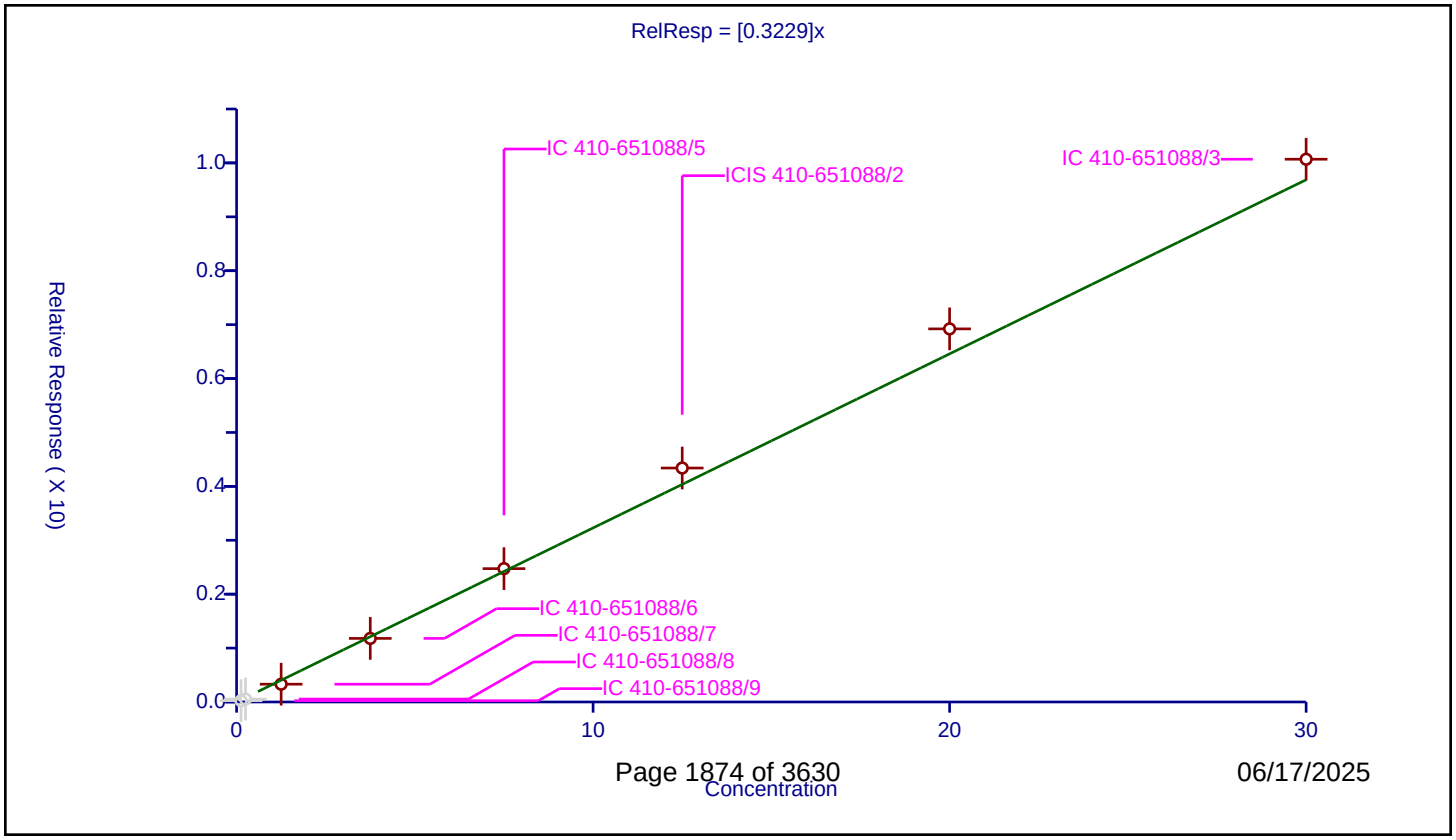
Curve Coefficients

Intercept:	0
Slope:	0.3229

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.024211	5.0	288096.0	0.193685	N
2	IC 410-651088/8	0.25	0.054153	5.0	318263.0	0.216613	N
3	IC 410-651088/7	1.25	0.330241	5.0	308820.0	0.264193	Y
4	IC 410-651088/6	3.75	1.179383	5.0	292865.0	0.314502	Y
5	IC 410-651088/5	7.5	2.473817	5.0	413630.0	0.329842	Y
6	ICIS 410-651088/2	12.5	4.34018	5.0	474622.0	0.347214	Y
7	IC 410-651088/4	20.0	6.921536	5.0	343457.0	0.346077	Y
8	IC 410-651088/3	30.0	10.068346	5.0	355763.0	0.335612	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

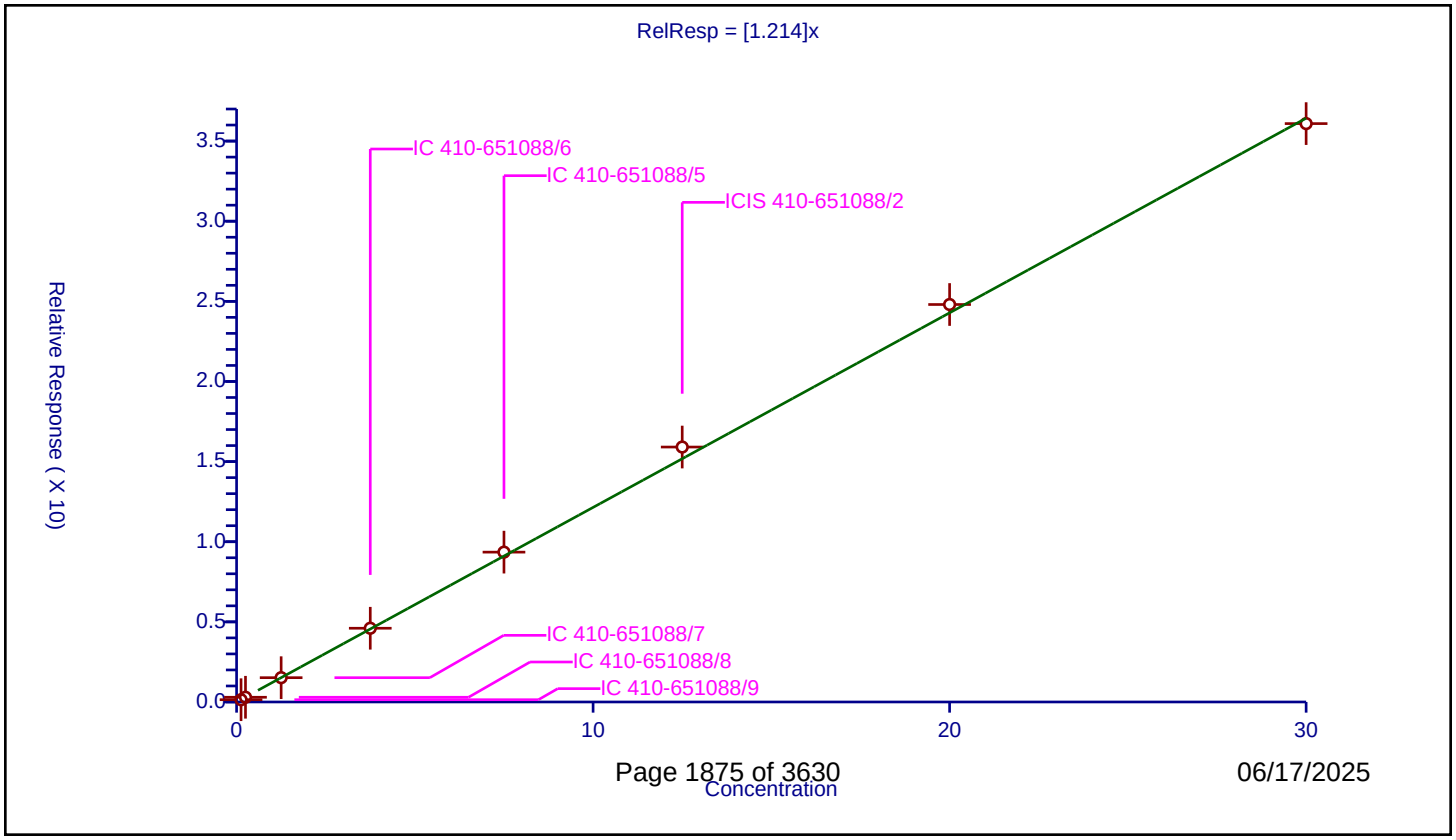
Curve Coefficients

Intercept:	0
Slope:	1.214

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.141515	5.0	288096.0	1.132123	Y
2	IC 410-651088/8	0.25	0.294552	5.0	318263.0	1.178208	Y
3	IC 410-651088/7	1.25	1.516757	5.0	308820.0	1.213406	Y
4	IC 410-651088/6	3.75	4.601694	5.0	292865.0	1.227118	Y
5	IC 410-651088/5	7.5	9.350833	5.0	413630.0	1.246778	Y
6	ICIS 410-651088/2	12.5	15.908502	5.0	474622.0	1.27268	Y
7	IC 410-651088/4	20.0	24.802348	5.0	343457.0	1.240117	Y
8	IC 410-651088/3	30.0	36.089925	5.0	355763.0	1.202998	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

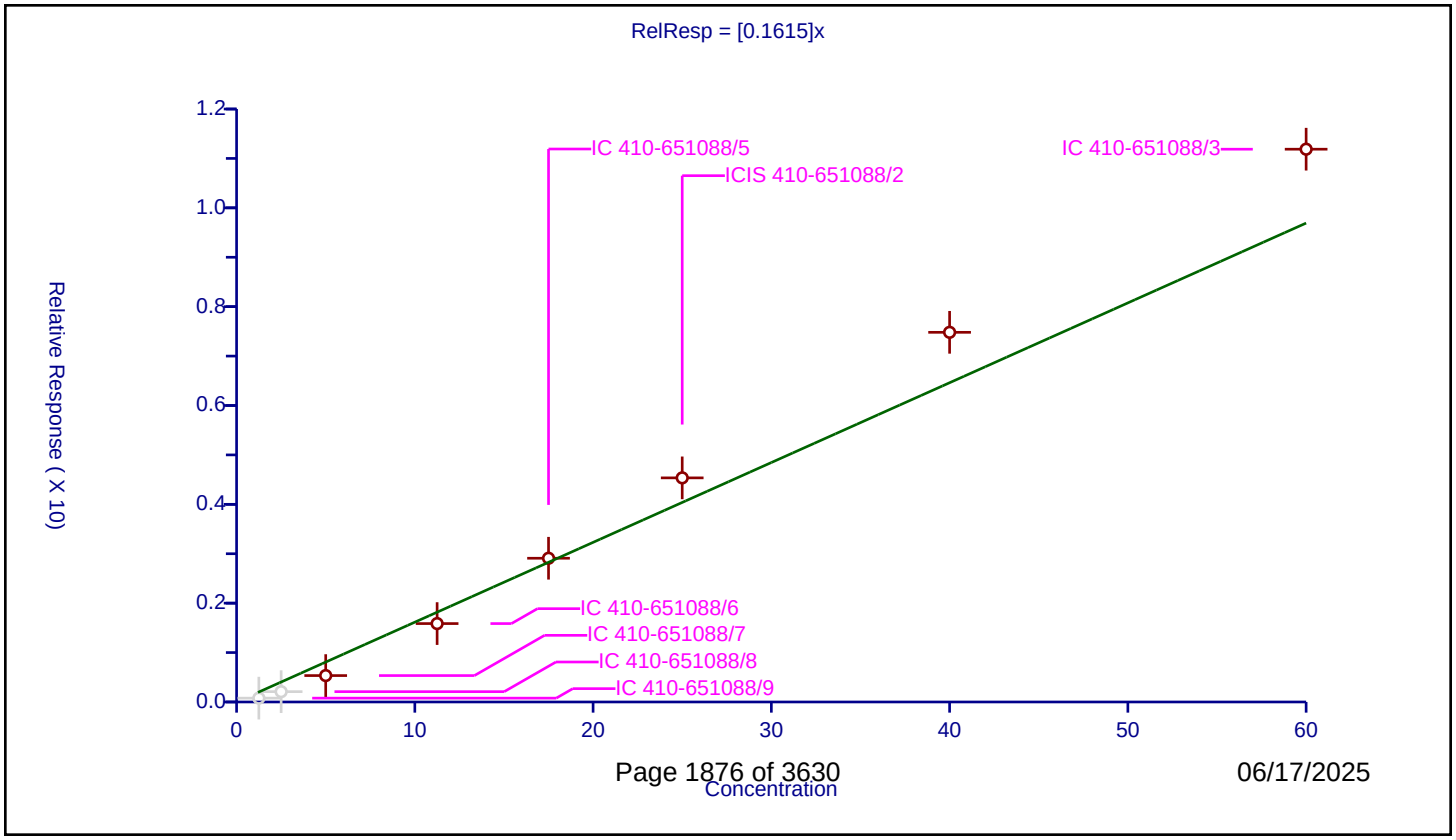
Curve Coefficients

Intercept:	0
Slope:	0.1615

Error Coefficients

Relative Standard Deviation:	19.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	1.25	0.078151	5.0	288096.0	0.062521	N
2	IC 410-651088/8	2.5	0.208884	5.0	318263.0	0.083554	N
3	IC 410-651088/7	5.0	0.534745	5.0	308820.0	0.106949	Y
4	IC 410-651088/6	11.25	1.586806	5.0	292865.0	0.141049	Y
5	IC 410-651088/5	17.5	2.909146	5.0	413630.0	0.166237	Y
6	ICIS 410-651088/2	25.0	4.535767	5.0	474622.0	0.181431	Y
7	IC 410-651088/4	40.0	7.480966	5.0	343457.0	0.187024	Y
8	IC 410-651088/3	60.0	11.186759	5.0	355763.0	0.186446	Y



Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

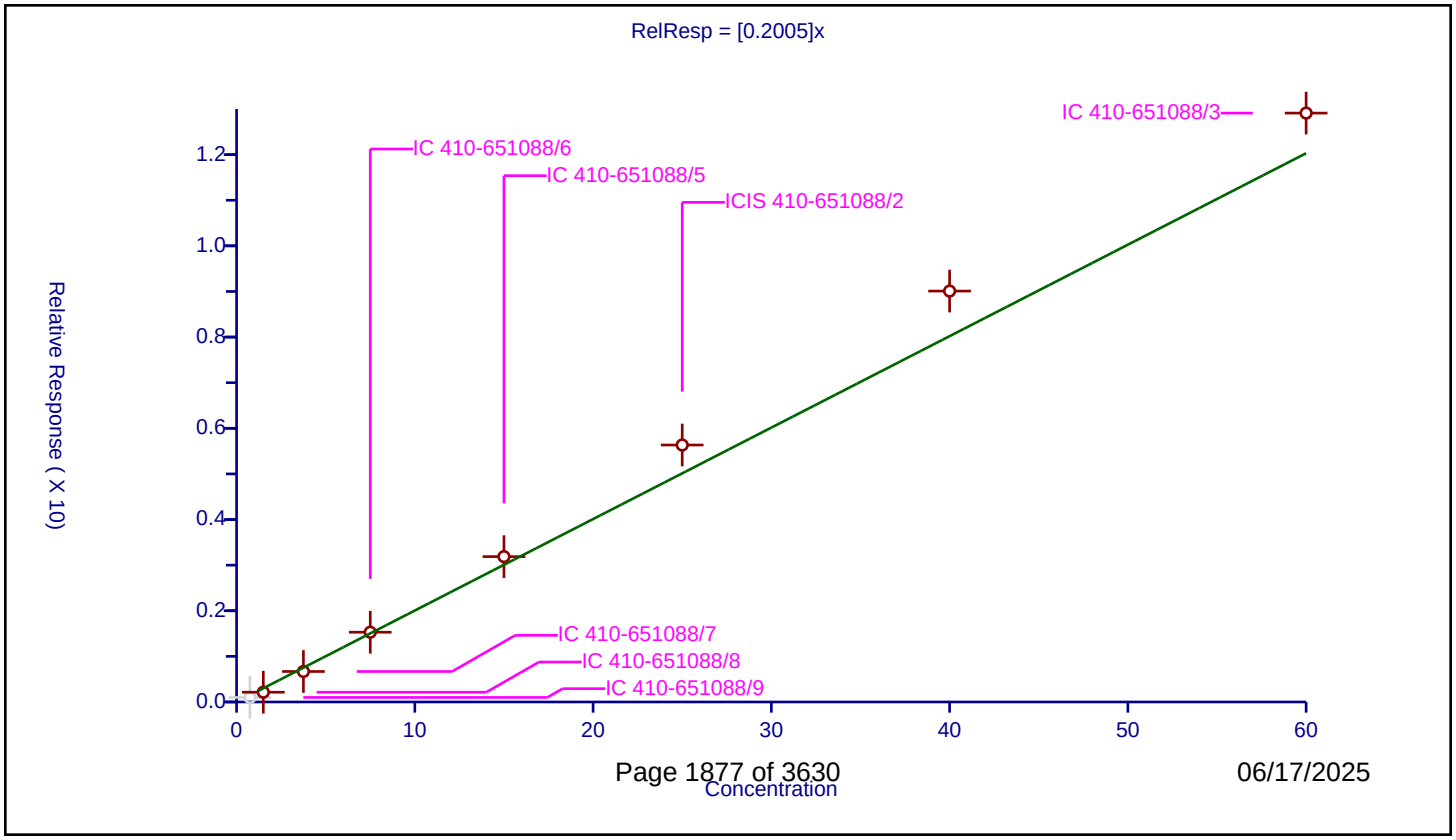
Curve Coefficients

Intercept:	0
Slope:	0.2005

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.75	0.09988	5.0	288096.0	0.133173	N
2	IC 410-651088/8	1.5	0.214461	5.0	318263.0	0.142974	Y
3	IC 410-651088/7	3.75	0.668658	5.0	308820.0	0.178309	Y
4	IC 410-651088/6	7.5	1.529937	5.0	292865.0	0.203992	Y
5	IC 410-651088/5	15.0	3.187208	5.0	413630.0	0.212481	Y
6	ICIS 410-651088/2	25.0	5.633968	5.0	474622.0	0.225359	Y
7	IC 410-651088/4	40.0	9.008478	5.0	343457.0	0.225212	Y
8	IC 410-651088/3	60.0	12.910786	5.0	355763.0	0.21518	Y



Calibration / Pentachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

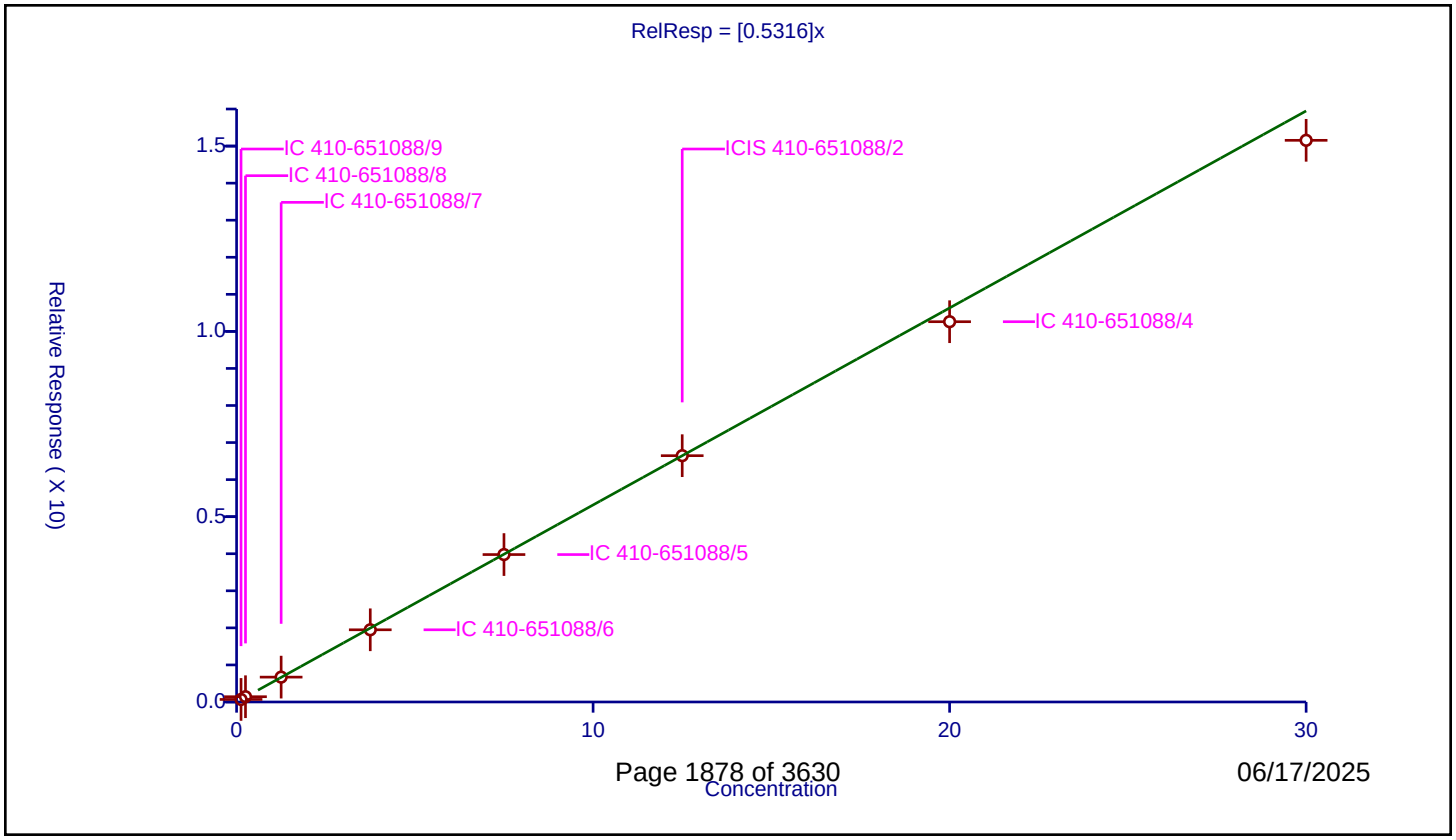
Curve Coefficients

Intercept:	0
Slope:	0.5316

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.068415	5.0	288096.0	0.547318	Y
2	IC 410-651088/8	0.25	0.142225	5.0	318263.0	0.568901	Y
3	IC 410-651088/7	1.25	0.670973	5.0	308820.0	0.536779	Y
4	IC 410-651088/6	3.75	1.948492	5.0	292865.0	0.519598	Y
5	IC 410-651088/5	7.5	3.978036	5.0	413630.0	0.530405	Y
6	ICIS 410-651088/2	12.5	6.645868	5.0	474622.0	0.531669	Y
7	IC 410-651088/4	20.0	10.260833	5.0	343457.0	0.513042	Y
8	IC 410-651088/3	30.0	15.155567	5.0	355763.0	0.505186	Y



06/17/2025

Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

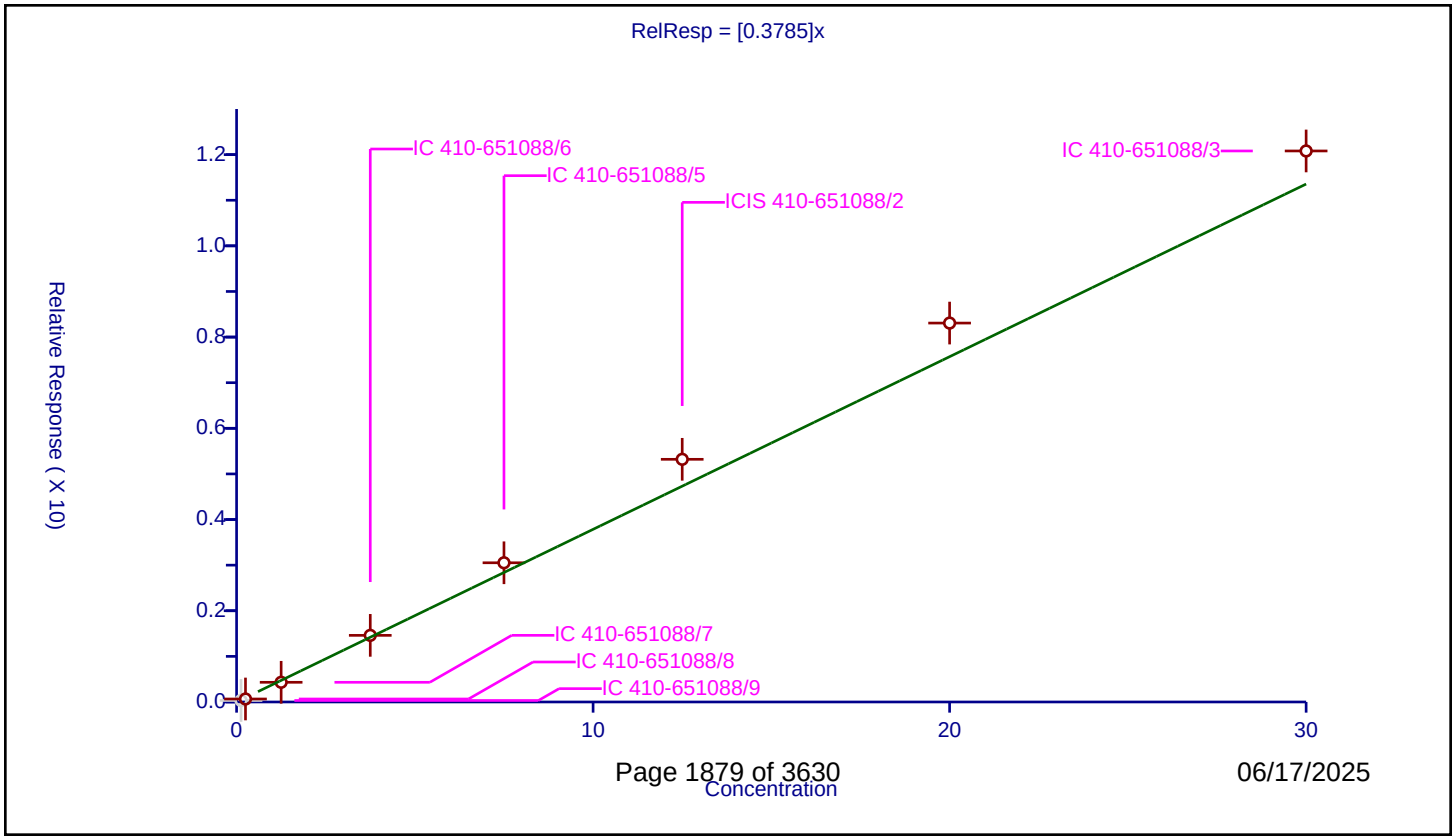
Curve Coefficients

Intercept:	0
Slope:	0.3785

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.03294	5.0	288096.0	0.263523	N
2	IC 410-651088/8	0.25	0.065967	5.0	318263.0	0.26387	Y
3	IC 410-651088/7	1.25	0.431918	5.0	308820.0	0.345535	Y
4	IC 410-651088/6	3.75	1.460588	5.0	292865.0	0.38949	Y
5	IC 410-651088/5	7.5	3.052293	5.0	413630.0	0.406972	Y
6	ICIS 410-651088/2	12.5	5.320339	5.0	474622.0	0.425627	Y
7	IC 410-651088/4	20.0	8.307095	5.0	343457.0	0.415355	Y
8	IC 410-651088/3	30.0	12.080219	5.0	355763.0	0.402674	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

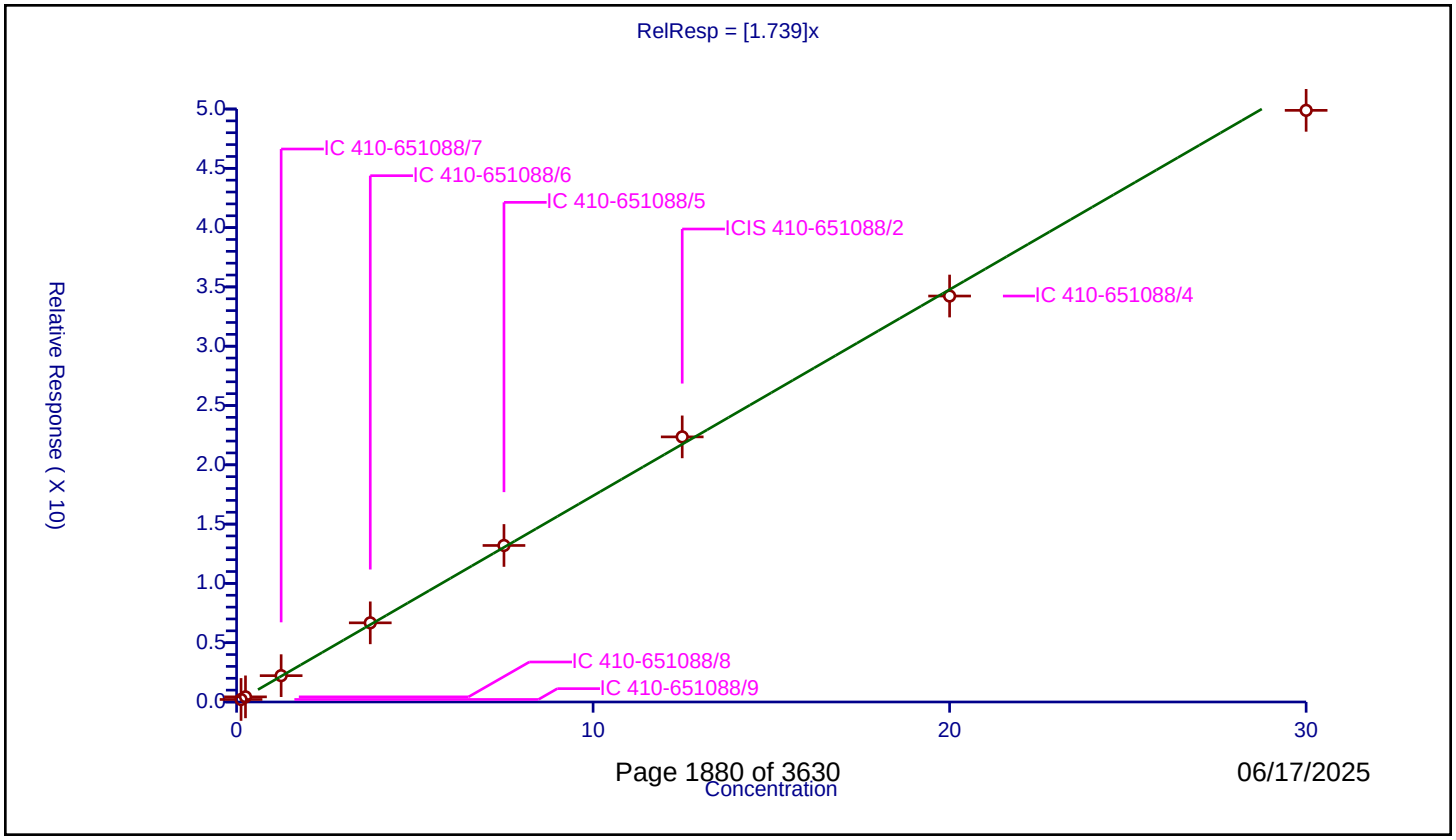
Curve Coefficients

Intercept:	0
Slope:	1.739

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.212047	5.0	288096.0	1.696379	Y
2	IC 410-651088/8	0.25	0.433588	5.0	318263.0	1.734352	Y
3	IC 410-651088/7	1.25	2.22042	5.0	308820.0	1.776336	Y
4	IC 410-651088/6	3.75	6.675857	5.0	292865.0	1.780229	Y
5	IC 410-651088/5	7.5	13.196915	5.0	413630.0	1.759589	Y
6	ICIS 410-651088/2	12.5	22.353557	5.0	474622.0	1.788285	Y
7	IC 410-651088/4	20.0	34.231025	5.0	343457.0	1.711551	Y
8	IC 410-651088/3	30.0	49.88824	5.0	355763.0	1.662941	Y



Calibration / 1-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

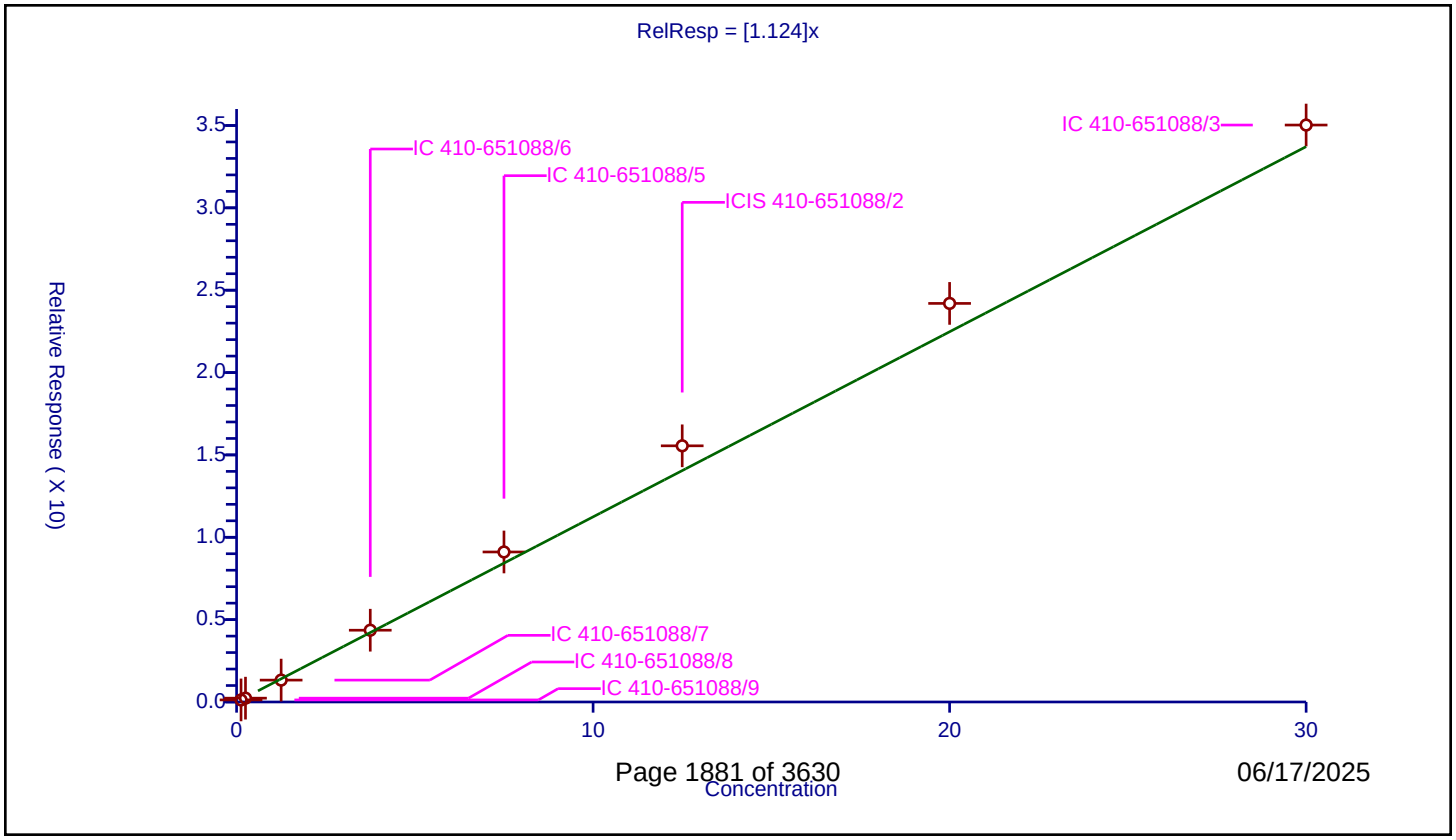
Curve Coefficients

Intercept:	0
Slope:	1.124

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.125531	5.0	288096.0	1.004249	Y
2	IC 410-651088/8	0.25	0.231569	5.0	318263.0	0.926278	Y
3	IC 410-651088/7	1.25	1.327553	5.0	308820.0	1.062043	Y
4	IC 410-651088/6	3.75	4.357571	5.0	292865.0	1.162019	Y
5	IC 410-651088/5	7.5	9.108201	5.0	413630.0	1.214427	Y
6	ICIS 410-651088/2	12.5	15.552724	5.0	474622.0	1.244218	Y
7	IC 410-651088/4	20.0	24.197221	5.0	343457.0	1.209861	Y
8	IC 410-651088/3	30.0	35.026478	5.0	355763.0	1.167549	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

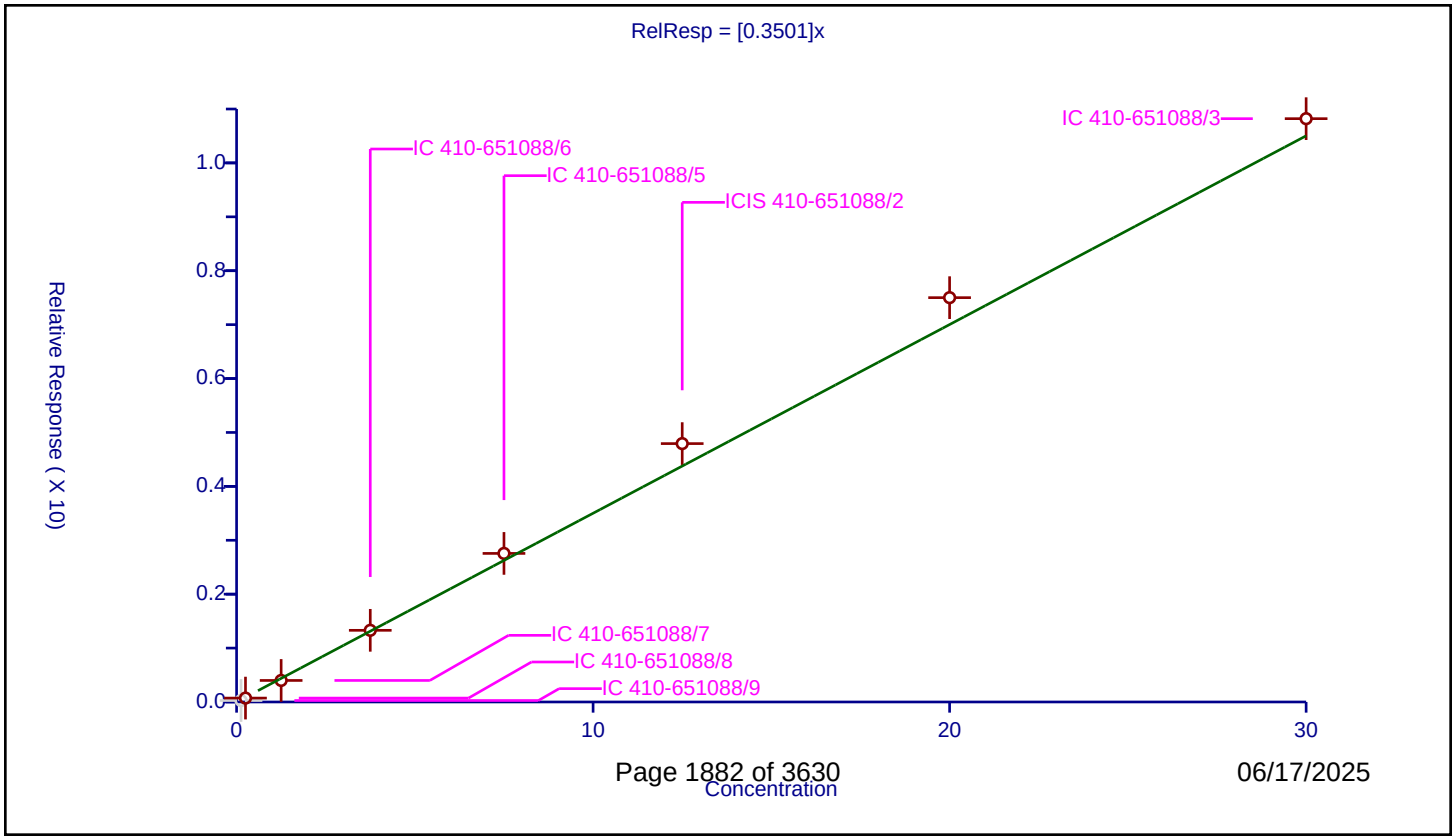
Curve Coefficients

Intercept:	0
Slope:	0.3501

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.027456	5.0	288096.0	0.219649	N
2	IC 410-651088/8	0.25	0.072472	5.0	318263.0	0.289886	Y
3	IC 410-651088/7	1.25	0.399472	5.0	308820.0	0.319578	Y
4	IC 410-651088/6	3.75	1.329469	5.0	292865.0	0.354525	Y
5	IC 410-651088/5	7.5	2.756352	5.0	413630.0	0.367514	Y
6	ICIS 410-651088/2	12.5	4.793077	5.0	474622.0	0.383446	Y
7	IC 410-651088/4	20.0	7.500779	5.0	343457.0	0.375039	Y
8	IC 410-651088/3	30.0	10.820687	5.0	355763.0	0.36069	Y



Calibration / 2-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

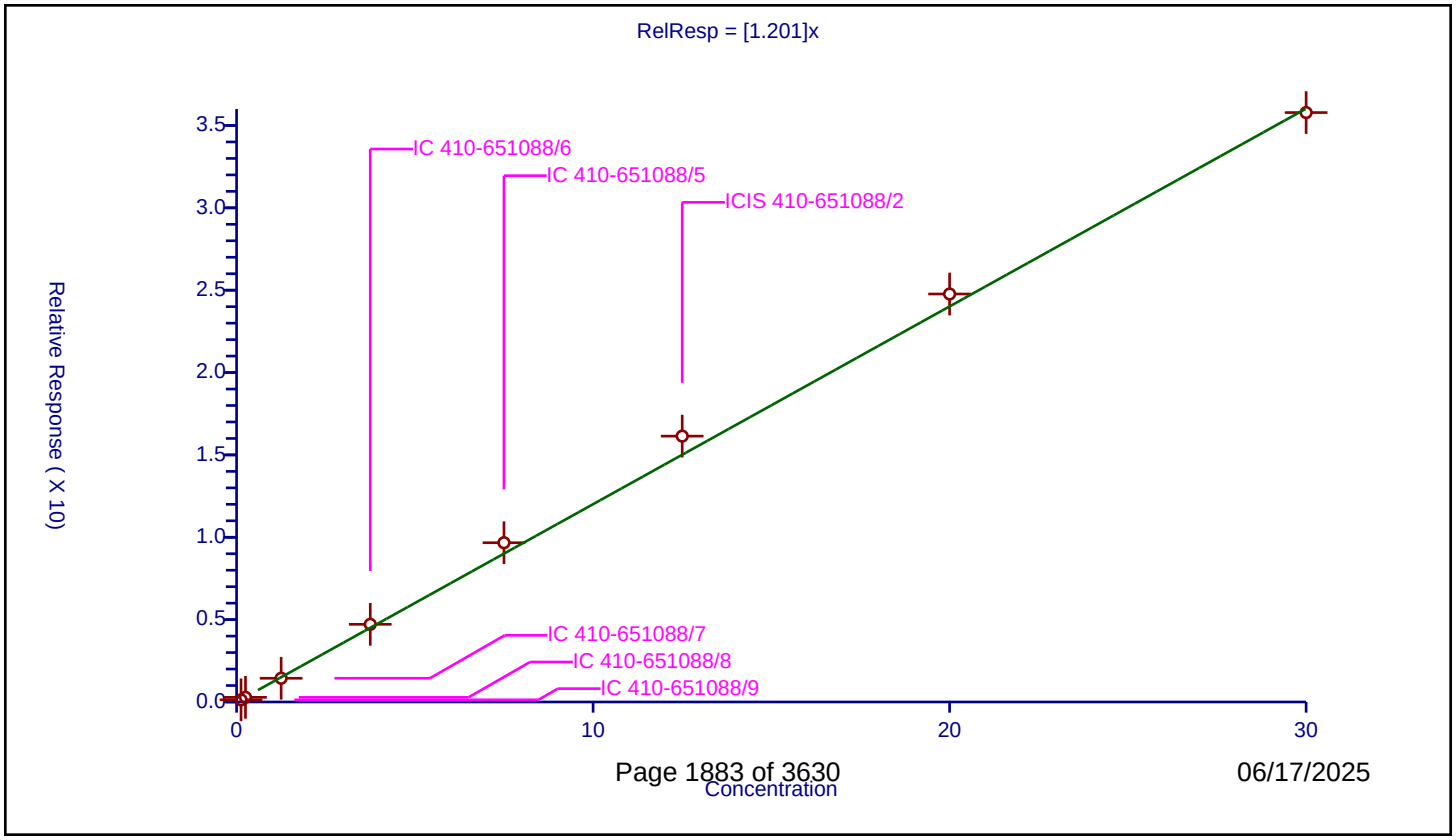
Curve Coefficients

Intercept:	0
Slope:	1.201

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.132196	5.0	288096.0	1.057564	Y
2	IC 410-651088/8	0.25	0.28189	5.0	318263.0	1.127558	Y
3	IC 410-651088/7	1.25	1.439836	5.0	308820.0	1.151868	Y
4	IC 410-651088/6	3.75	4.715347	5.0	292865.0	1.257426	Y
5	IC 410-651088/5	7.5	9.668653	5.0	413630.0	1.289154	Y
6	ICIS 410-651088/2	12.5	16.139507	5.0	474622.0	1.291161	Y
7	IC 410-651088/4	20.0	24.769869	5.0	343457.0	1.238493	Y
8	IC 410-651088/3	30.0	35.784919	5.0	355763.0	1.192831	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

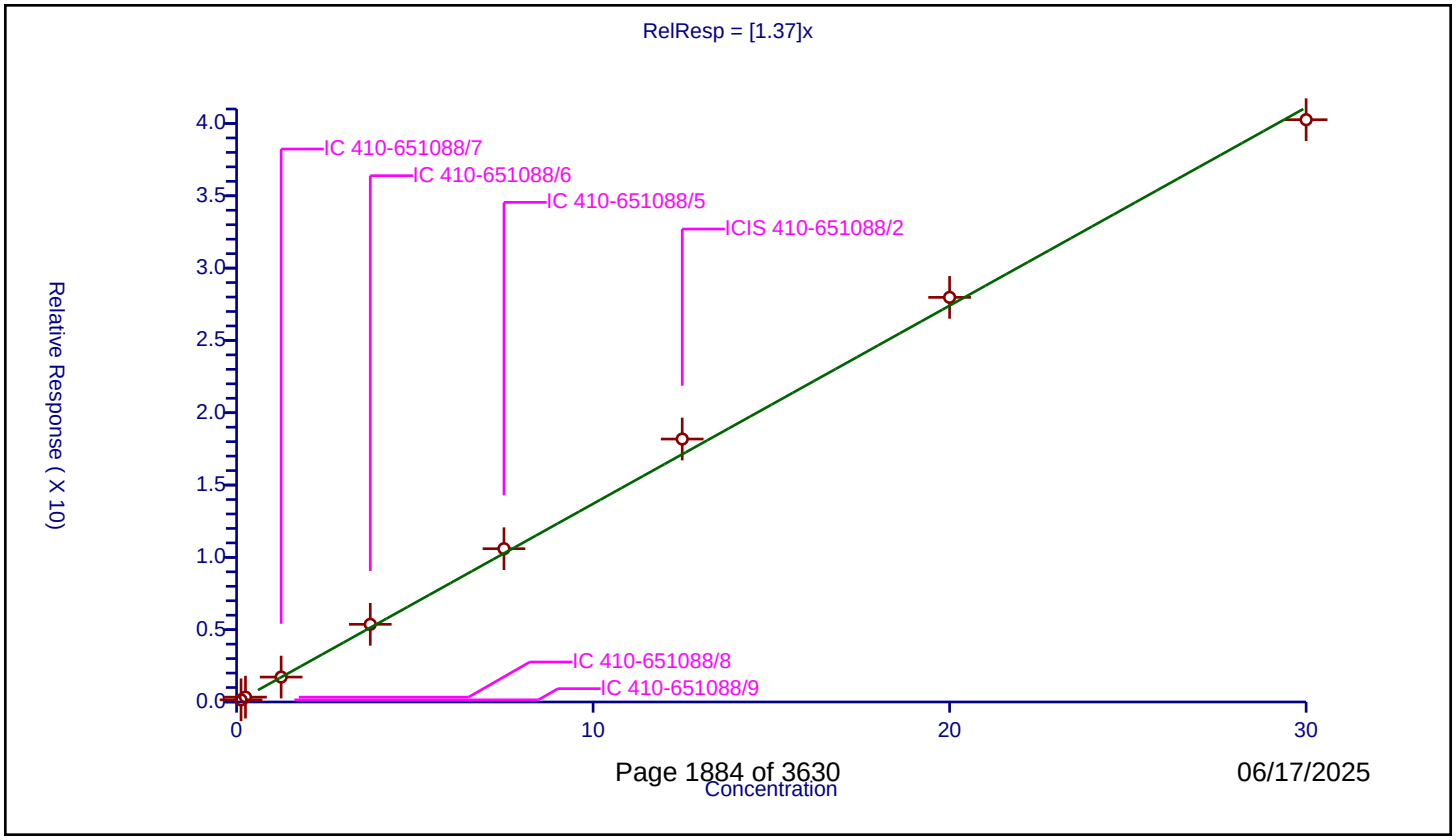
Curve Coefficients

Intercept:	0
Slope:	1.37

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.149221	5.0	288096.0	1.193769	Y
2	IC 410-651088/8	0.25	0.337111	5.0	318263.0	1.348445	Y
3	IC 410-651088/7	1.25	1.72369	5.0	308820.0	1.378952	Y
4	IC 410-651088/6	3.75	5.370512	5.0	292865.0	1.432137	Y
5	IC 410-651088/5	7.5	10.598433	5.0	413630.0	1.413124	Y
6	ICIS 410-651088/2	12.5	18.181732	5.0	474622.0	1.454539	Y
7	IC 410-651088/4	20.0	27.977374	5.0	343457.0	1.398869	Y
8	IC 410-651088/3	30.0	40.260384	5.0	355763.0	1.342013	Y



Calibration / Thionazin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

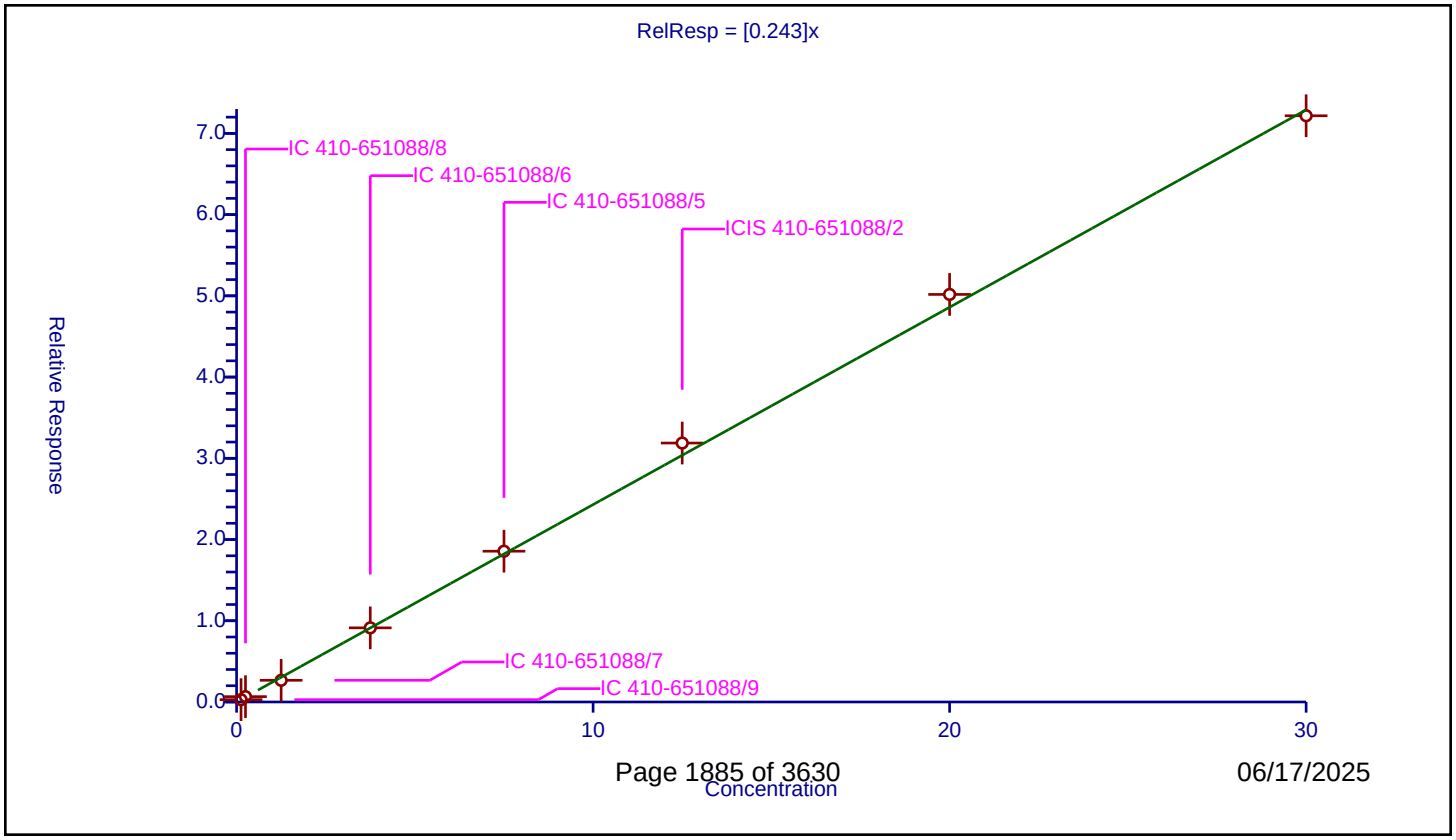
Curve Coefficients

Intercept:	0
Slope:	0.243

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.028723	5.0	288096.0	0.229785	Y
2	IC 410-651088/8	0.25	0.065795	5.0	318263.0	0.263179	Y
3	IC 410-651088/7	1.25	0.267016	5.0	308820.0	0.213613	Y
4	IC 410-651088/6	3.75	0.912912	5.0	292865.0	0.243443	Y
5	IC 410-651088/5	7.5	1.856176	5.0	413630.0	0.24749	Y
6	ICIS 410-651088/2	12.5	3.187811	5.0	474622.0	0.255025	Y
7	IC 410-651088/4	20.0	5.017557	5.0	343457.0	0.250878	Y
8	IC 410-651088/3	30.0	7.217024	5.0	355763.0	0.240567	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

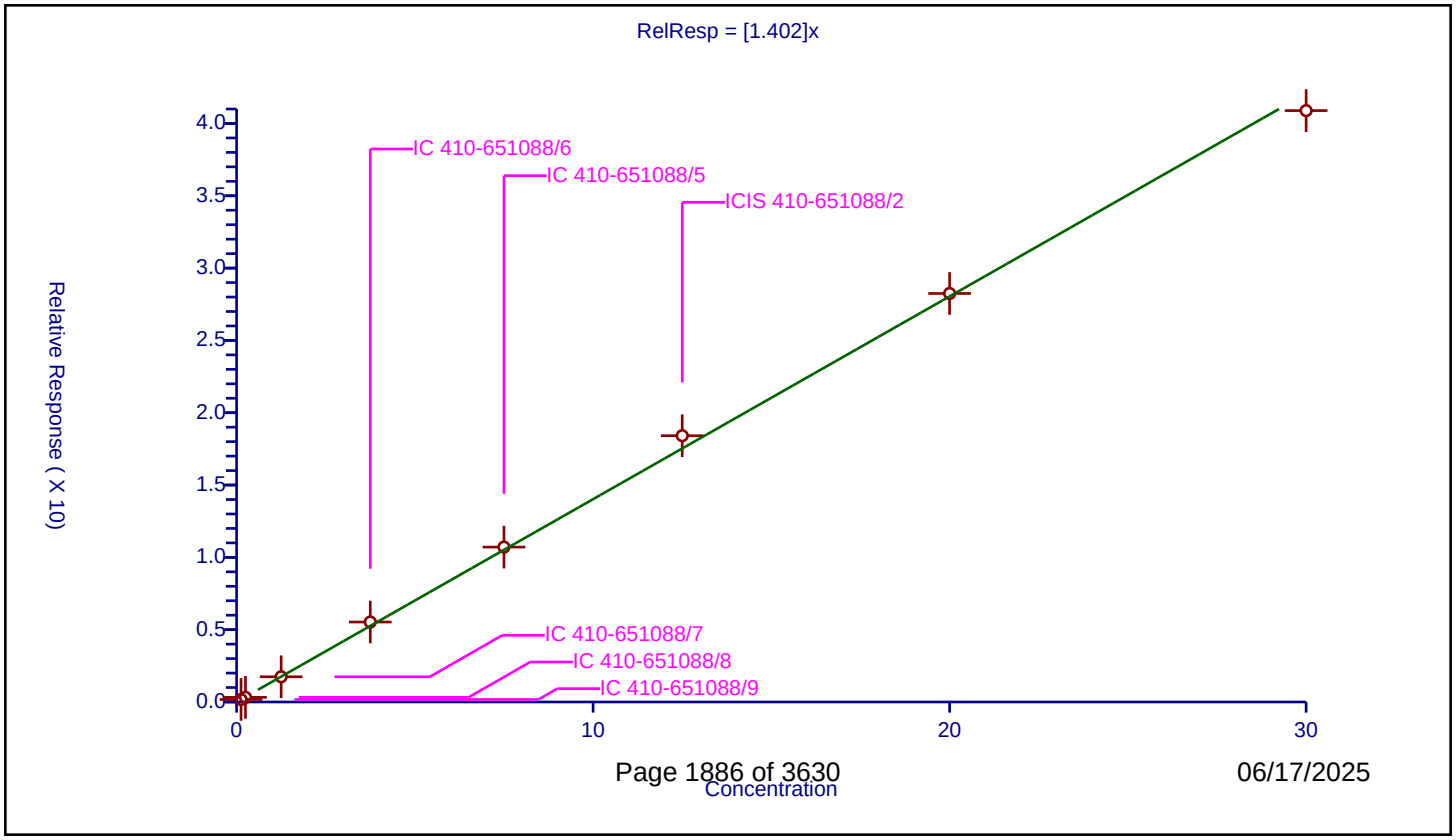
Curve Coefficients

Intercept:	0
Slope:	1.402

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.174213	5.0	288096.0	1.393702	Y
2	IC 410-651088/8	0.25	0.319641	5.0	318263.0	1.278565	Y
3	IC 410-651088/7	1.25	1.74388	5.0	308820.0	1.395104	Y
4	IC 410-651088/6	3.75	5.529339	5.0	292865.0	1.474491	Y
5	IC 410-651088/5	7.5	10.709039	5.0	413630.0	1.427872	Y
6	ICIS 410-651088/2	12.5	18.412263	5.0	474622.0	1.472981	Y
7	IC 410-651088/4	20.0	28.246622	5.0	343457.0	1.412331	Y
8	IC 410-651088/3	30.0	40.888513	5.0	355763.0	1.36295	Y



Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

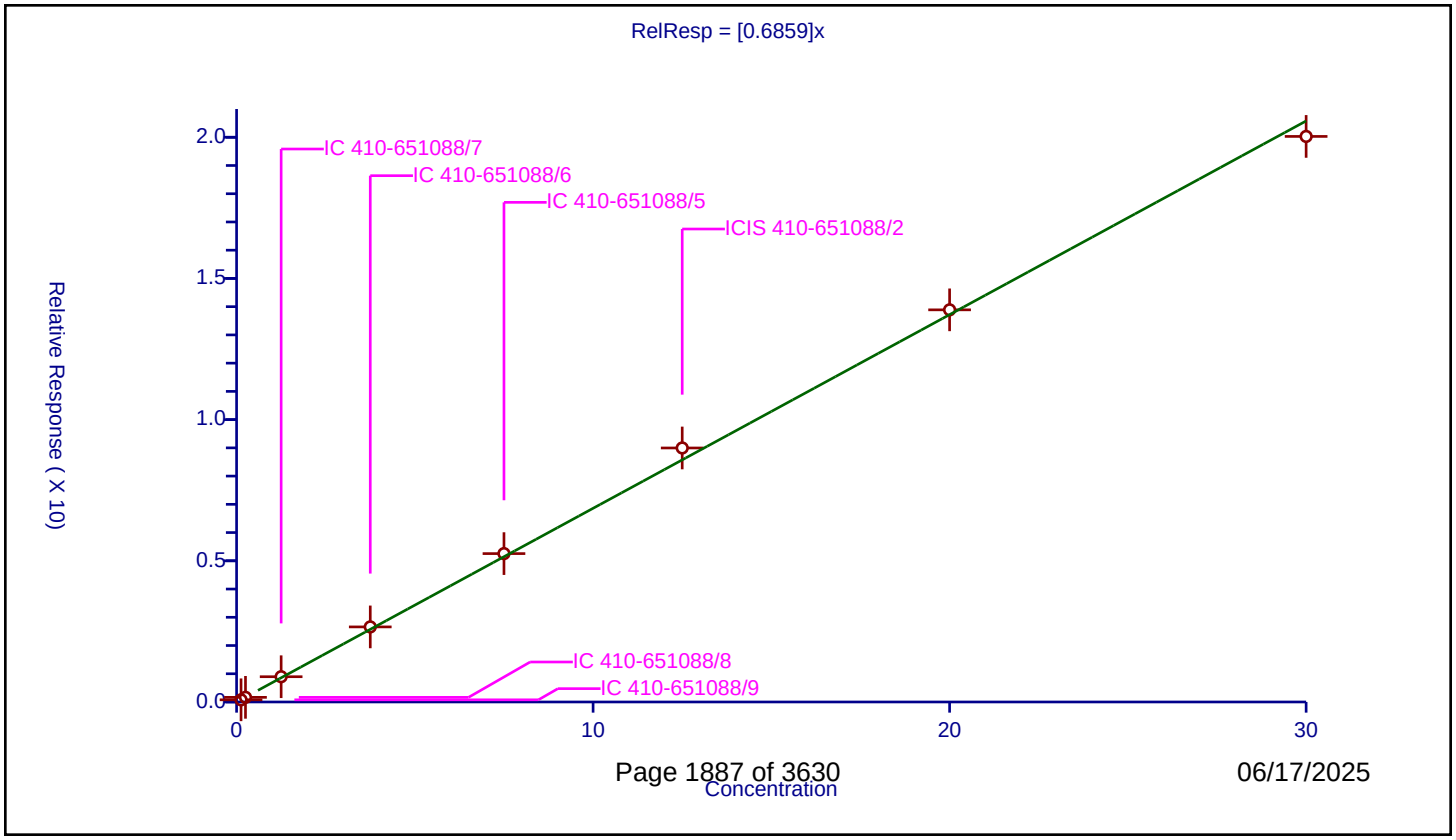
Curve Coefficients

Intercept:	0
Slope:	0.6859

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.077439	5.0	288096.0	0.619516	Y
2	IC 410-651088/8	0.25	0.165052	5.0	318263.0	0.660209	Y
3	IC 410-651088/7	1.25	0.894858	5.0	308820.0	0.715886	Y
4	IC 410-651088/6	3.75	2.65928	5.0	292865.0	0.709141	Y
5	IC 410-651088/5	7.5	5.255337	5.0	413630.0	0.700712	Y
6	ICIS 410-651088/2	12.5	8.996127	5.0	474622.0	0.71969	Y
7	IC 410-651088/4	20.0	13.888012	5.0	343457.0	0.694401	Y
8	IC 410-651088/3	30.0	20.029584	5.0	355763.0	0.667653	Y



Calibration / N-Nitro-o-toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

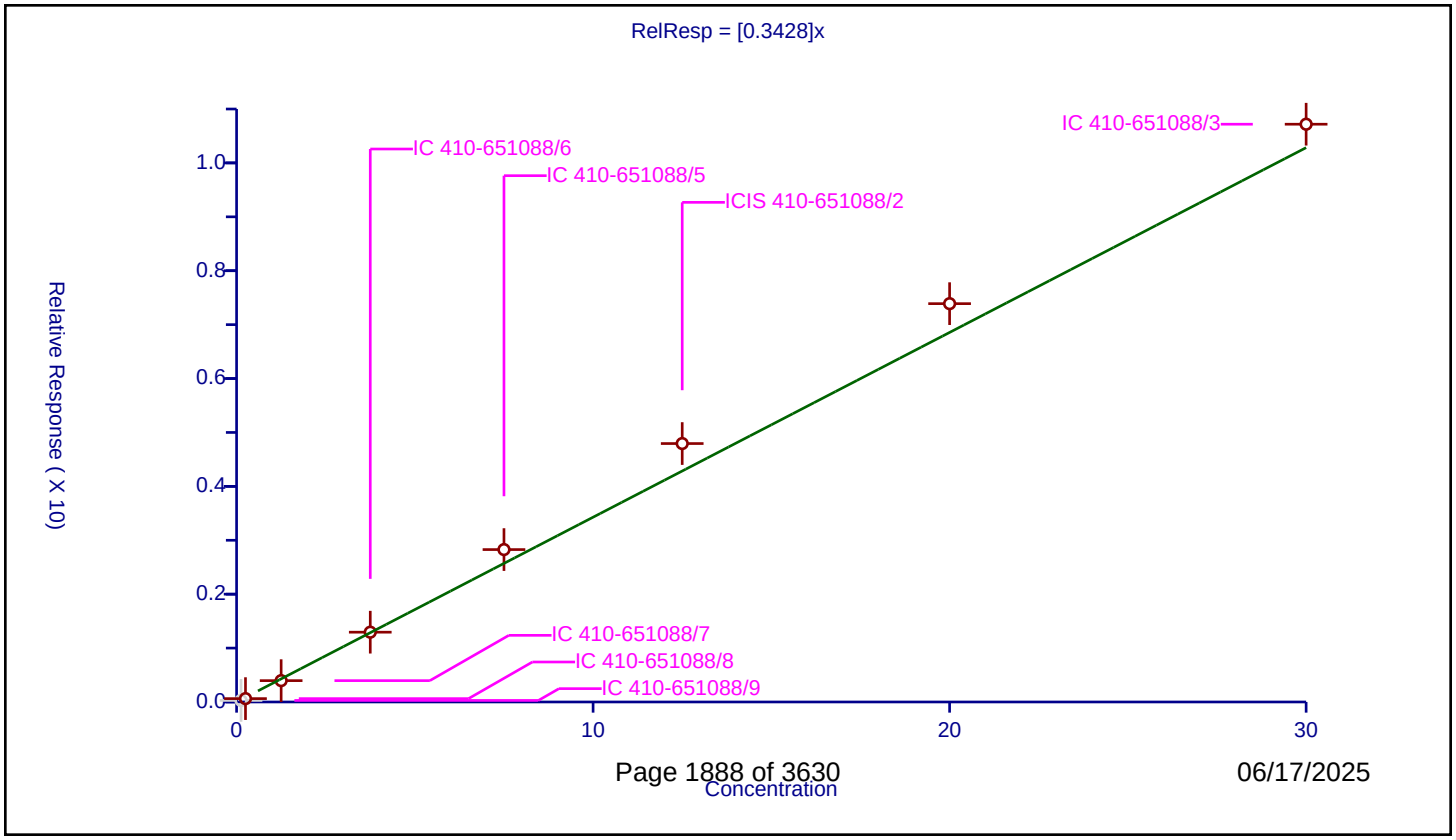
Curve Coefficients

Intercept:	0
Slope:	0.3428

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.028827	5.0	288096.0	0.230618	N
2	IC 410-651088/8	0.25	0.062558	5.0	318263.0	0.250233	Y
3	IC 410-651088/7	1.25	0.395781	5.0	308820.0	0.316625	Y
4	IC 410-651088/6	3.75	1.294999	5.0	292865.0	0.345333	Y
5	IC 410-651088/5	7.5	2.827261	5.0	413630.0	0.376968	Y
6	ICIS 410-651088/2	12.5	4.794289	5.0	474622.0	0.383543	Y
7	IC 410-651088/4	20.0	7.38928	5.0	343457.0	0.369464	Y
8	IC 410-651088/3	30.0	10.718259	5.0	355763.0	0.357275	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

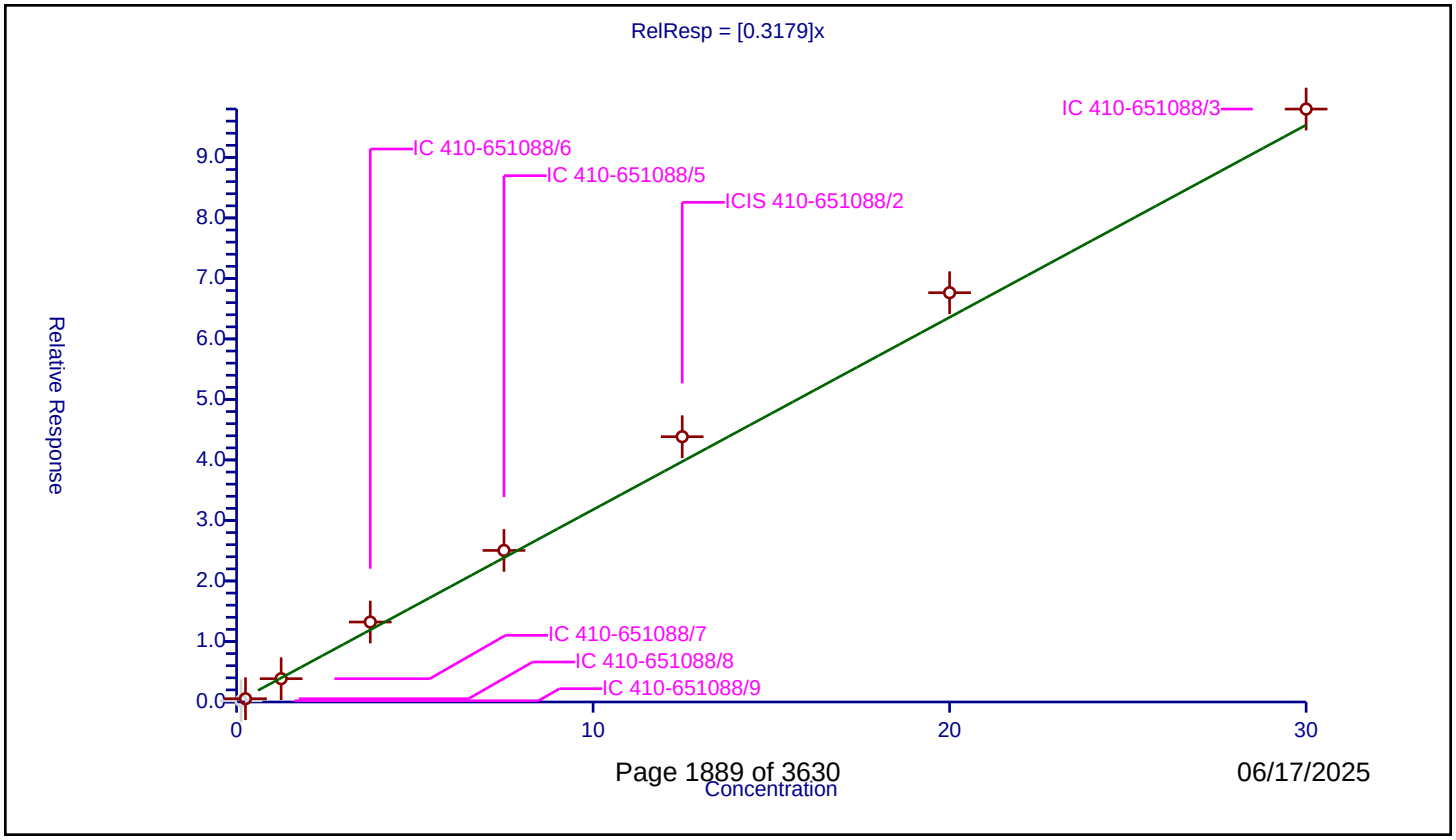
Curve Coefficients

Intercept:	0
Slope:	0.3179

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.020618	5.0	288096.0	0.164945	N
2	IC 410-651088/8	0.25	0.053792	5.0	318263.0	0.215168	Y
3	IC 410-651088/7	1.25	0.384917	5.0	308820.0	0.307933	Y
4	IC 410-651088/6	3.75	1.321428	5.0	292865.0	0.352381	Y
5	IC 410-651088/5	7.5	2.50492	5.0	413630.0	0.333989	Y
6	ICIS 410-651088/2	12.5	4.384594	5.0	474622.0	0.350768	Y
7	IC 410-651088/4	20.0	6.764253	5.0	343457.0	0.338213	Y
8	IC 410-651088/3	30.0	9.79908	5.0	355763.0	0.326636	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

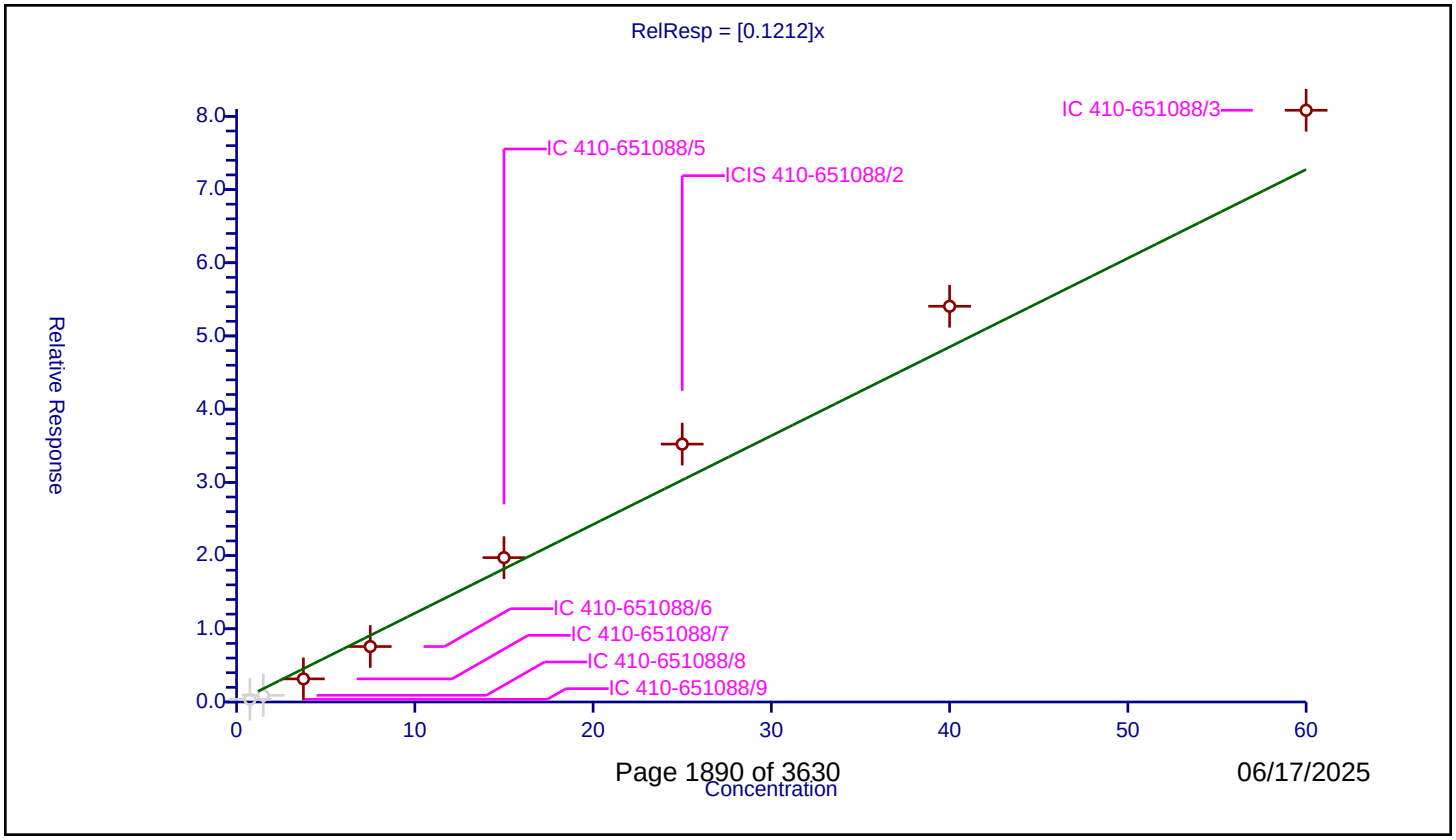
Curve Coefficients

Intercept:	0
Slope:	0.1212

Error Coefficients

Relative Standard Deviation:	19.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.75	0.035767	5.0	589925.0	0.04769	N
2	IC 410-651088/8	1.5	0.090842	5.0	642545.0	0.060561	N
3	IC 410-651088/7	3.75	0.315758	5.0	625986.0	0.084202	Y
4	IC 410-651088/6	7.5	0.757576	5.0	602481.0	0.10101	Y
5	IC 410-651088/5	15.0	1.971803	5.0	749910.0	0.131454	Y
6	ICIS 410-651088/2	25.0	3.522673	5.0	858801.0	0.140907	Y
7	IC 410-651088/4	40.0	5.405349	5.0	655966.0	0.135134	Y
8	IC 410-651088/3	60.0	8.083036	5.0	666335.0	0.134717	Y



06/17/2025

Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

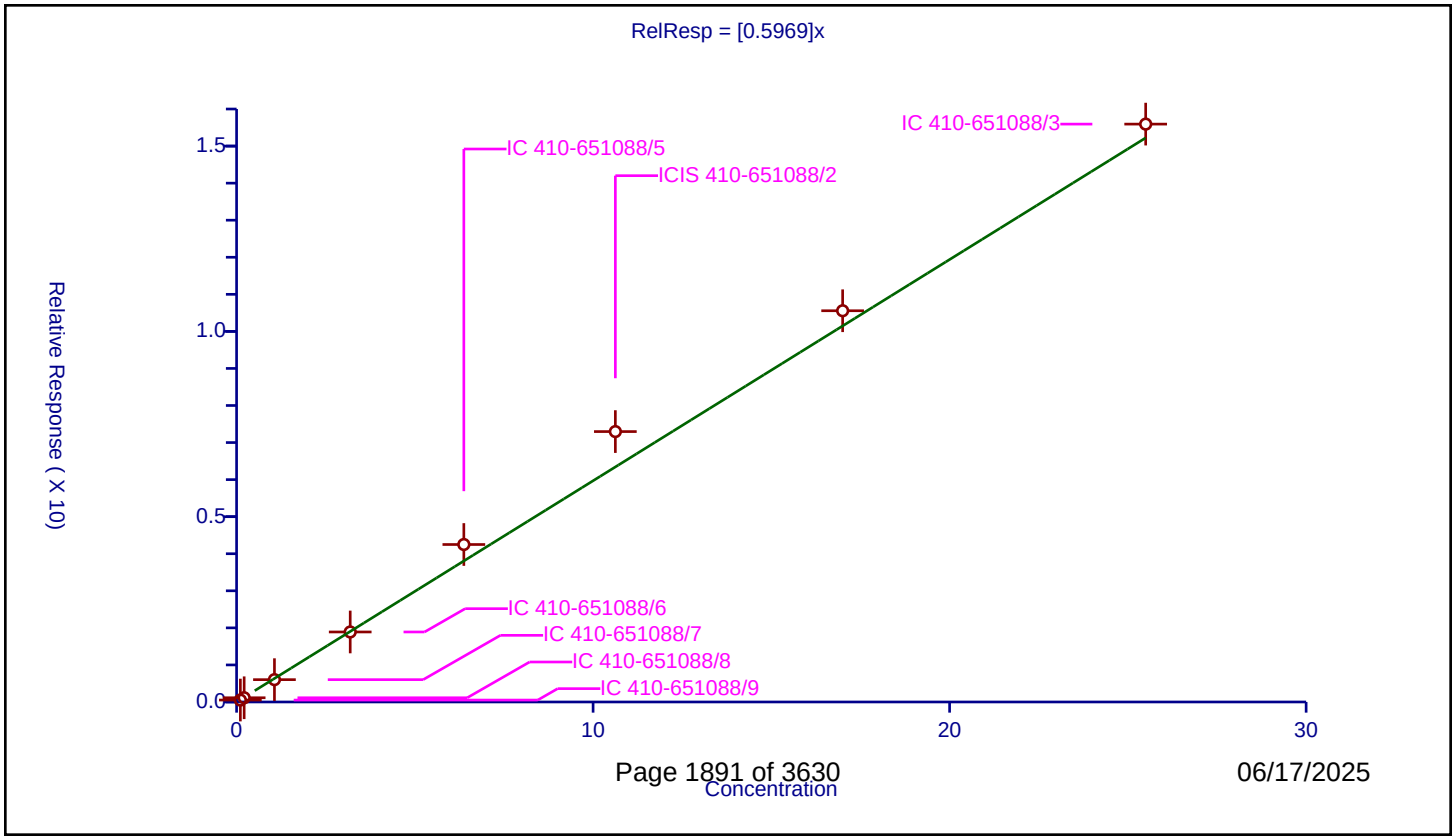
Curve Coefficients

Intercept:	0
Slope:	0.5969

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.10625	0.052447	5.0	589925.0	0.493622	Y
2	IC 410-651088/8	0.2125	0.113883	5.0	642545.0	0.53592	Y
3	IC 410-651088/7	1.0625	0.602769	5.0	625986.0	0.567312	Y
4	IC 410-651088/6	3.1875	1.889271	5.0	602481.0	0.592713	Y
5	IC 410-651088/5	6.375	4.249437	5.0	749910.0	0.666578	Y
6	ICIS 410-651088/2	10.625	7.296487	5.0	858801.0	0.686728	Y
7	IC 410-651088/4	17.0	10.556568	5.0	655966.0	0.620975	Y
8	IC 410-651088/3	25.5	15.59272	5.0	666335.0	0.611479	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

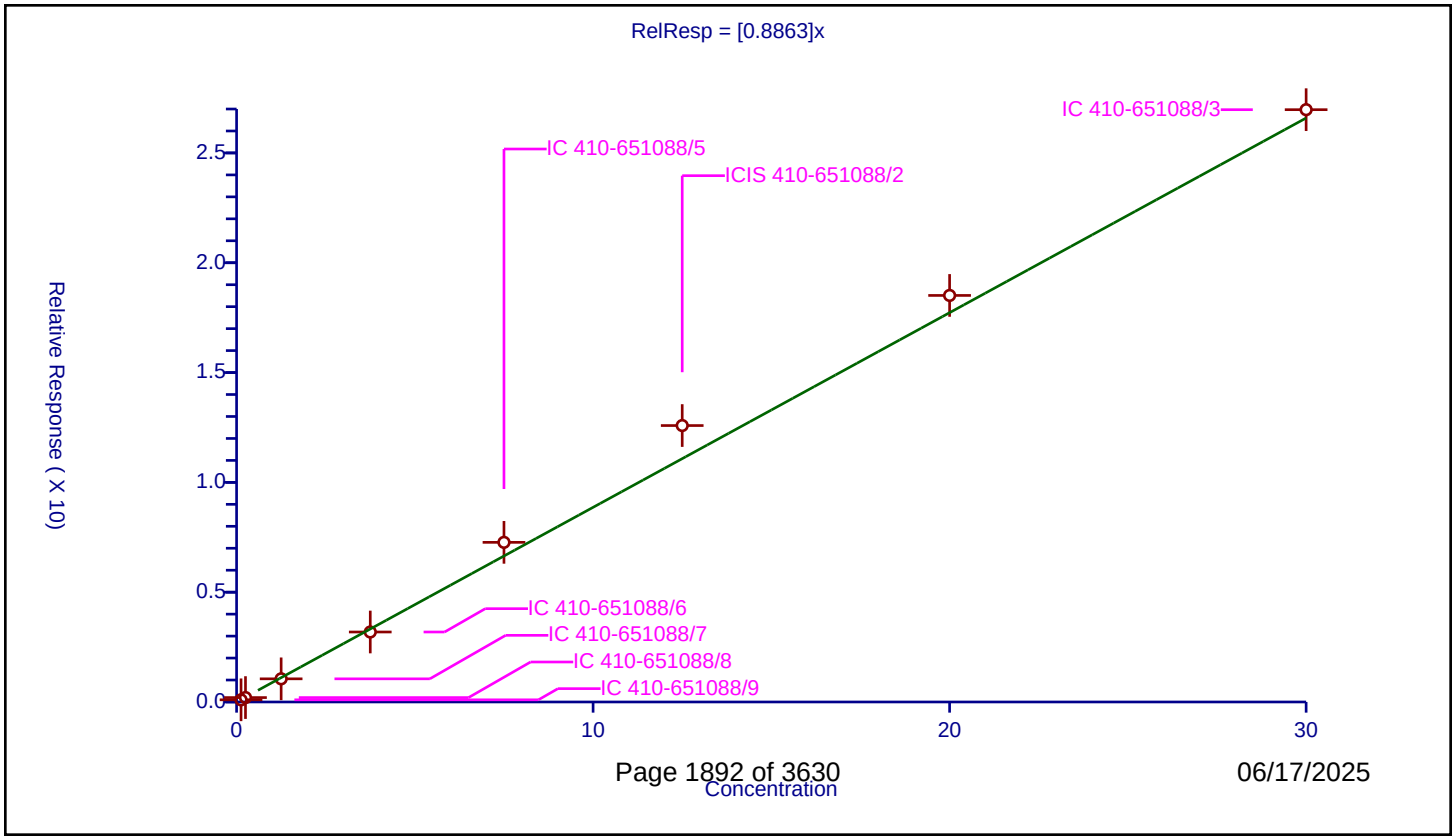
Curve Coefficients

Intercept:	0
Slope:	0.8863

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.098792	5.0	589925.0	0.790338	Y
2	IC 410-651088/8	0.25	0.201464	5.0	642545.0	0.805858	Y
3	IC 410-651088/7	1.25	1.054976	5.0	625986.0	0.843981	Y
4	IC 410-651088/6	3.75	3.186648	5.0	602481.0	0.849773	Y
5	IC 410-651088/5	7.5	7.269066	5.0	749910.0	0.969209	Y
6	ICIS 410-651088/2	12.5	12.587235	5.0	858801.0	1.006979	Y
7	IC 410-651088/4	20.0	18.511508	5.0	655966.0	0.925575	Y
8	IC 410-651088/3	30.0	26.969377	5.0	666335.0	0.898979	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

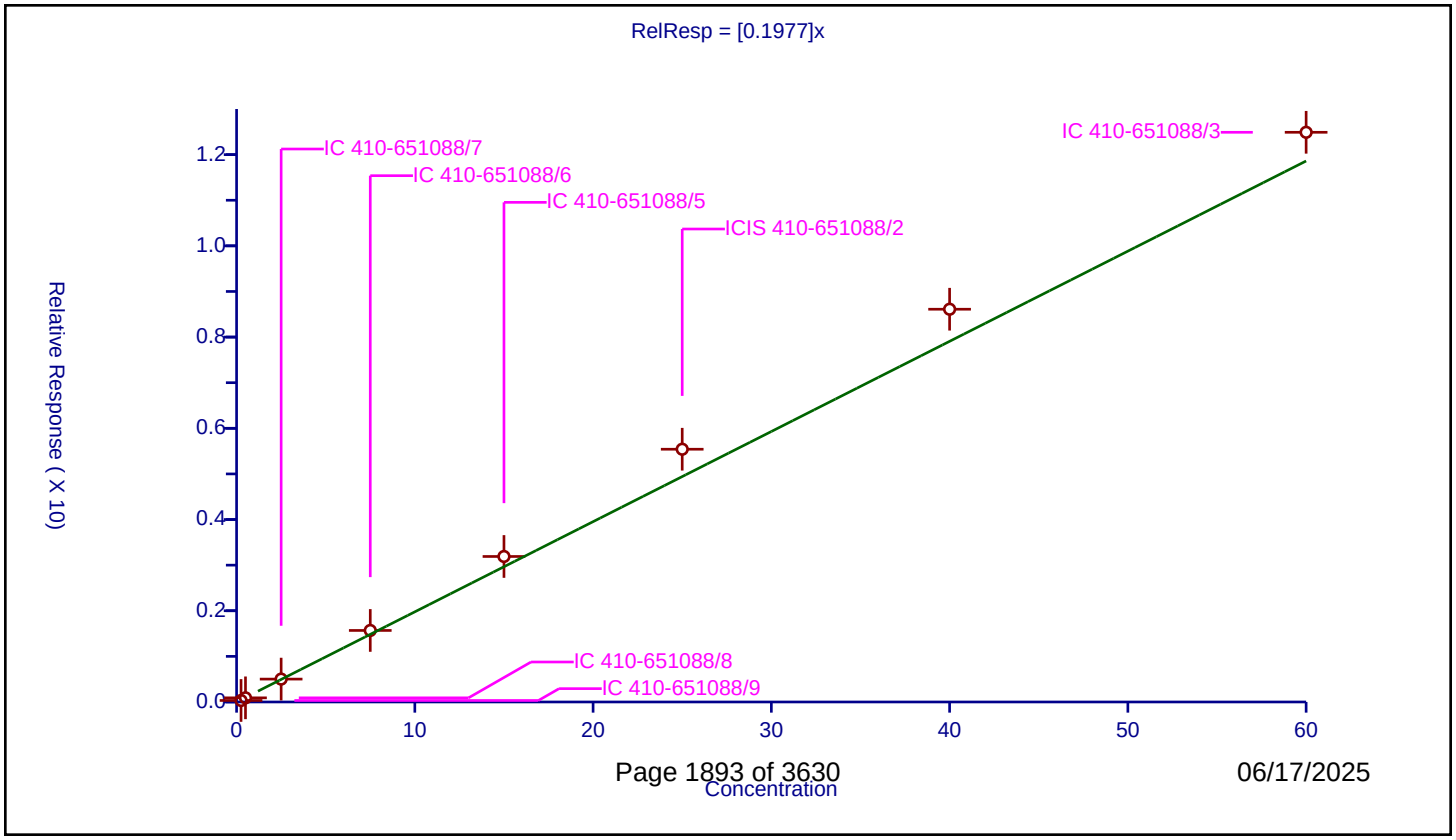
Curve Coefficients

Intercept:	0
Slope:	0.1977

Error Coefficients

Relative Standard Deviation:	14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.25	0.033027	5.0	288096.0	0.132109	Y
2	IC 410-651088/8	0.5	0.090821	5.0	318263.0	0.181642	Y
3	IC 410-651088/7	2.5	0.501991	5.0	308820.0	0.200797	Y
4	IC 410-651088/6	7.5	1.568146	5.0	292865.0	0.209086	Y
5	IC 410-651088/5	15.0	3.189771	5.0	413630.0	0.212651	Y
6	ICIS 410-651088/2	25.0	5.54142	5.0	474622.0	0.221657	Y
7	IC 410-651088/4	40.0	8.610874	5.0	343457.0	0.215272	Y
8	IC 410-651088/3	60.0	12.489621	5.0	355763.0	0.20816	Y



06/17/2025

Calibration / Sulfotepp

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

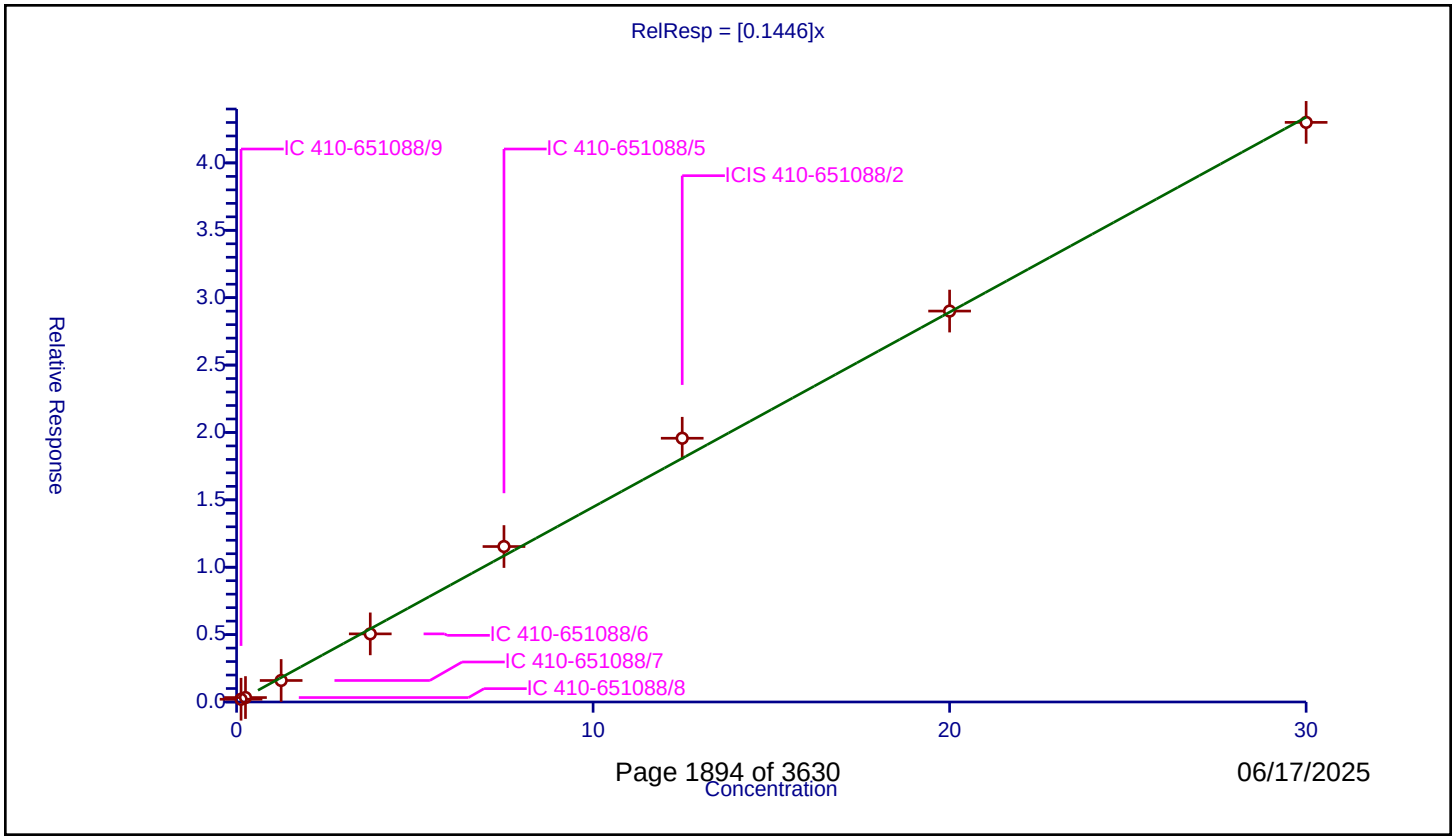
Curve Coefficients

Intercept:	0
Slope:	0.1446

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.020503	5.0	589925.0	0.164021	Y
2	IC 410-651088/8	0.25	0.032955	5.0	642545.0	0.13182	Y
3	IC 410-651088/7	1.25	0.159612	5.0	625986.0	0.12769	Y
4	IC 410-651088/6	3.75	0.505477	5.0	602481.0	0.134794	Y
5	IC 410-651088/5	7.5	1.153585	5.0	749910.0	0.153811	Y
6	ICIS 410-651088/2	12.5	1.957101	5.0	858801.0	0.156568	Y
7	IC 410-651088/4	20.0	2.900813	5.0	655966.0	0.145041	Y
8	IC 410-651088/3	30.0	4.300885	5.0	666335.0	0.143363	Y



Calibration / 1,3,5-Trinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

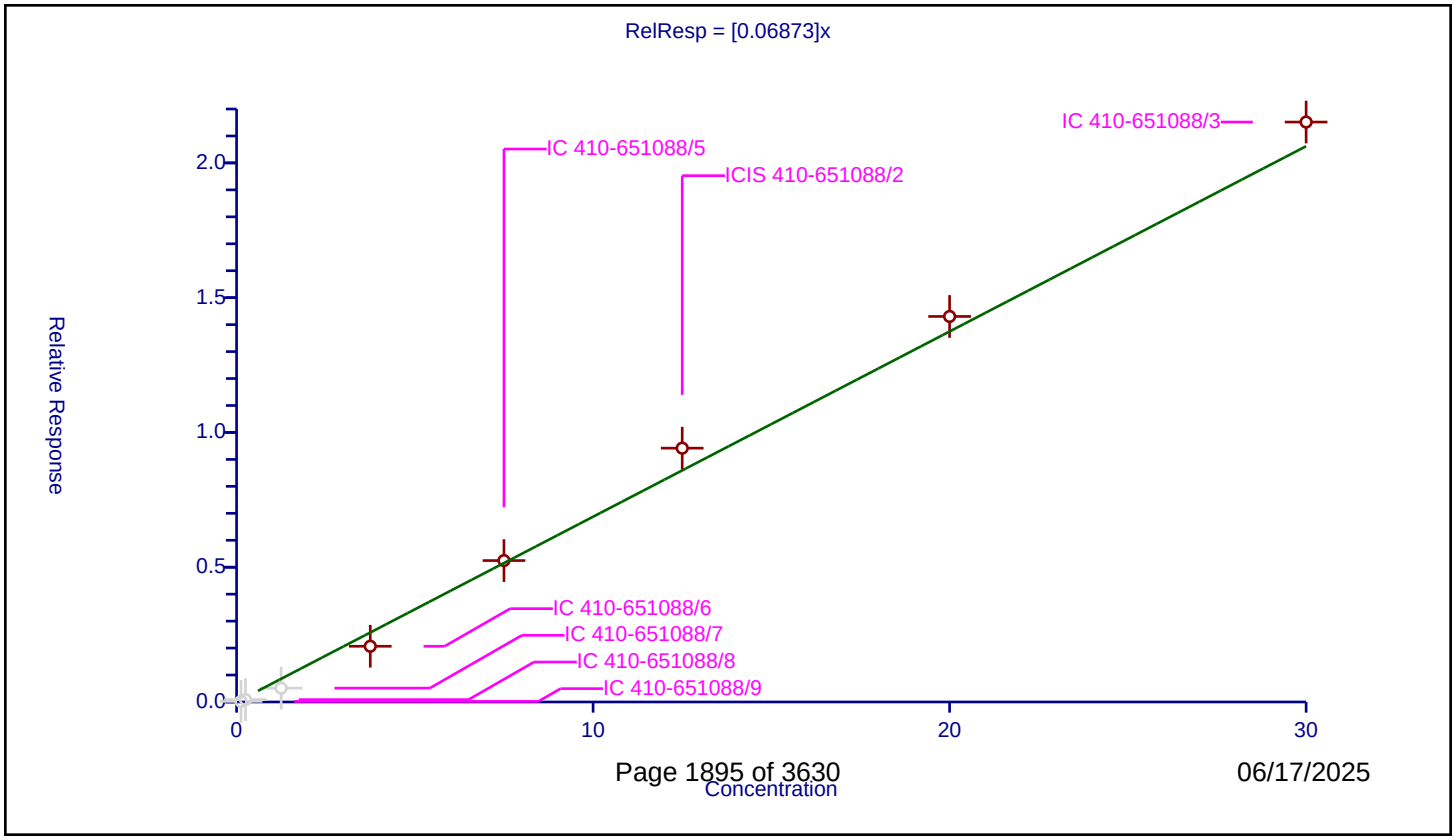
Curve Coefficients

Intercept:	0
Slope:	0.06873

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.002348	5.0	589925.0	0.018782	N
2	IC 410-651088/8	0.25	0.008887	5.0	642545.0	0.035546	N
3	IC 410-651088/7	1.25	0.051431	5.0	625986.0	0.041145	N
4	IC 410-651088/6	3.75	0.206704	5.0	602481.0	0.055121	Y
5	IC 410-651088/5	7.5	0.524756	5.0	749910.0	0.069968	Y
6	ICIS 410-651088/2	12.5	0.94172	5.0	858801.0	0.075338	Y
7	IC 410-651088/4	20.0	1.430387	5.0	655966.0	0.071519	Y
8	IC 410-651088/3	30.0	2.15159	5.0	666335.0	0.07172	Y



Calibration / cis-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

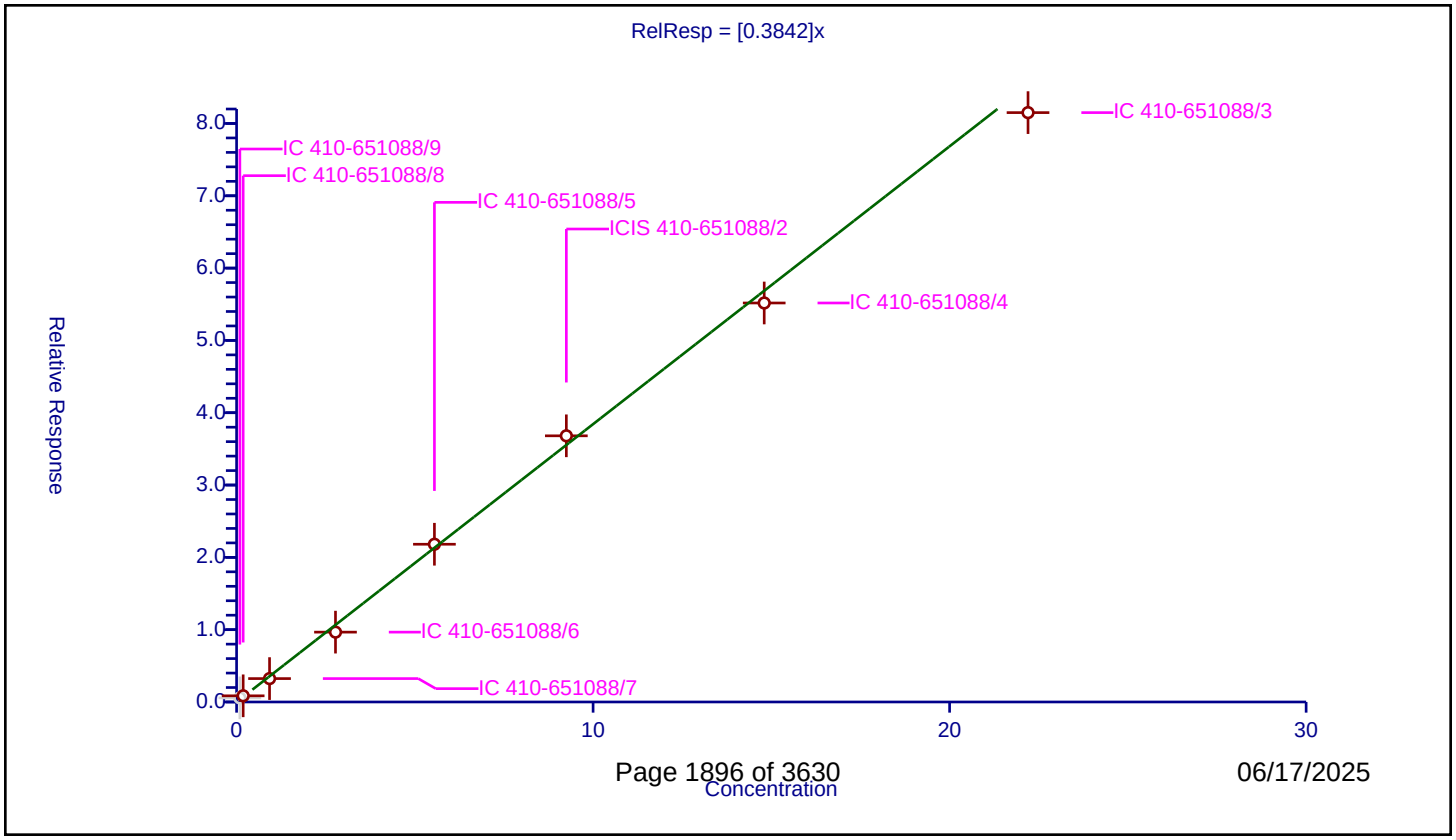
Curve Coefficients

Intercept:	0
Slope:	0.3842

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.0925	0.056931	5.0	589925.0	0.61547	N
2	IC 410-651088/8	0.185	0.085263	5.0	642545.0	0.460878	Y
3	IC 410-651088/7	0.925	0.32341	5.0	625986.0	0.349632	Y
4	IC 410-651088/6	2.775	0.965873	5.0	602481.0	0.348062	Y
5	IC 410-651088/5	5.55	2.181402	5.0	749910.0	0.393045	Y
6	ICIS 410-651088/2	9.25	3.680725	5.0	858801.0	0.397916	Y
7	IC 410-651088/4	14.8	5.517519	5.0	655966.0	0.372805	Y
8	IC 410-651088/3	22.2	8.150097	5.0	666335.0	0.367121	Y



Calibration / Phorate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

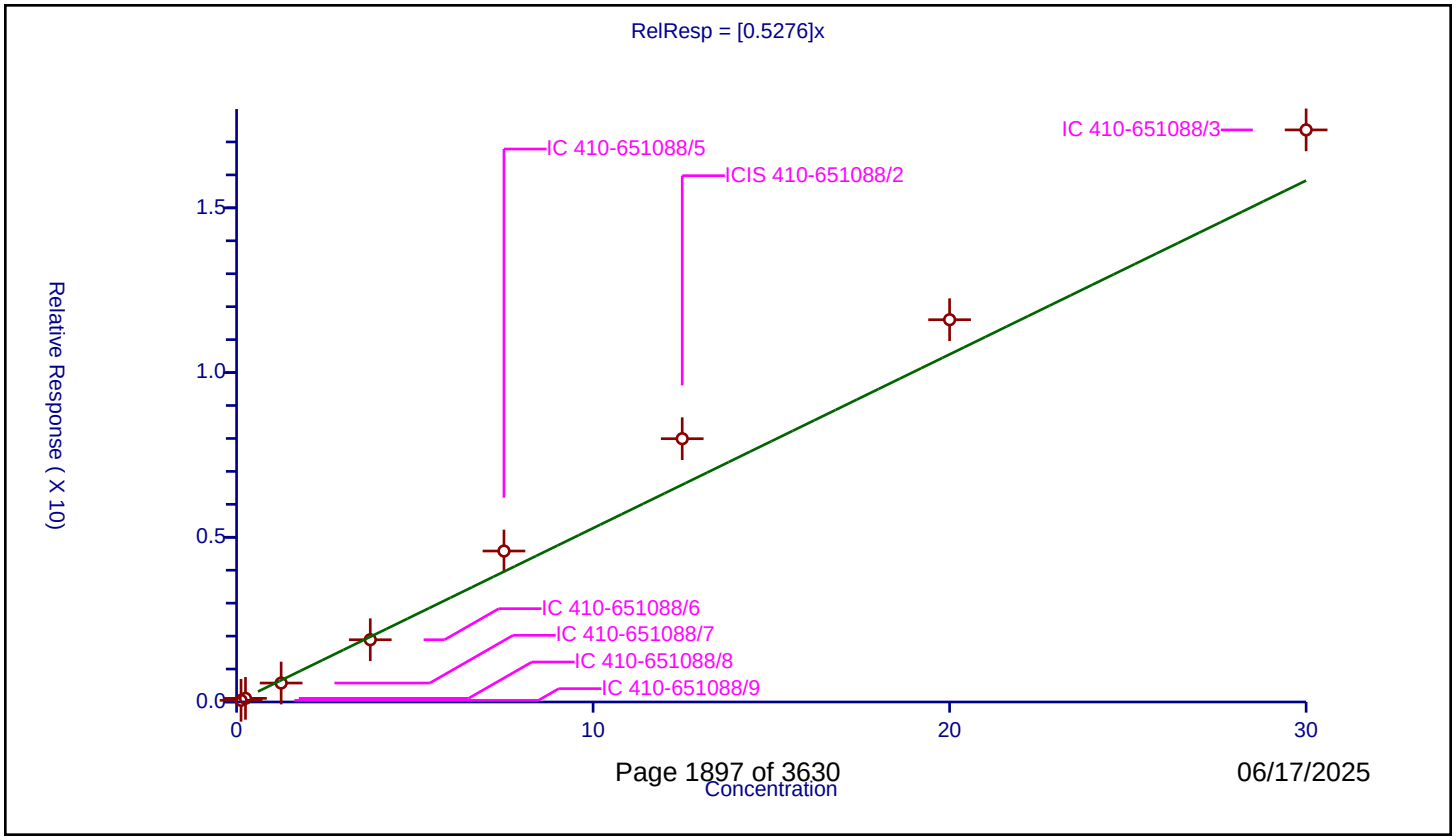
Curve Coefficients

Intercept:	0
Slope:	0.5276

Error Coefficients

Relative Standard Deviation:	16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.05071	5.0	589925.0	0.405679	Y
2	IC 410-651088/8	0.25	0.110413	5.0	642545.0	0.44165	Y
3	IC 410-651088/7	1.25	0.57534	5.0	625986.0	0.460272	Y
4	IC 410-651088/6	3.75	1.889595	5.0	602481.0	0.503892	Y
5	IC 410-651088/5	7.5	4.583003	5.0	749910.0	0.611067	Y
6	ICIS 410-651088/2	12.5	7.992143	5.0	858801.0	0.639371	Y
7	IC 410-651088/4	20.0	11.604039	5.0	655966.0	0.580202	Y
8	IC 410-651088/3	30.0	17.365875	5.0	666335.0	0.578862	Y



Calibration / Phenacetin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

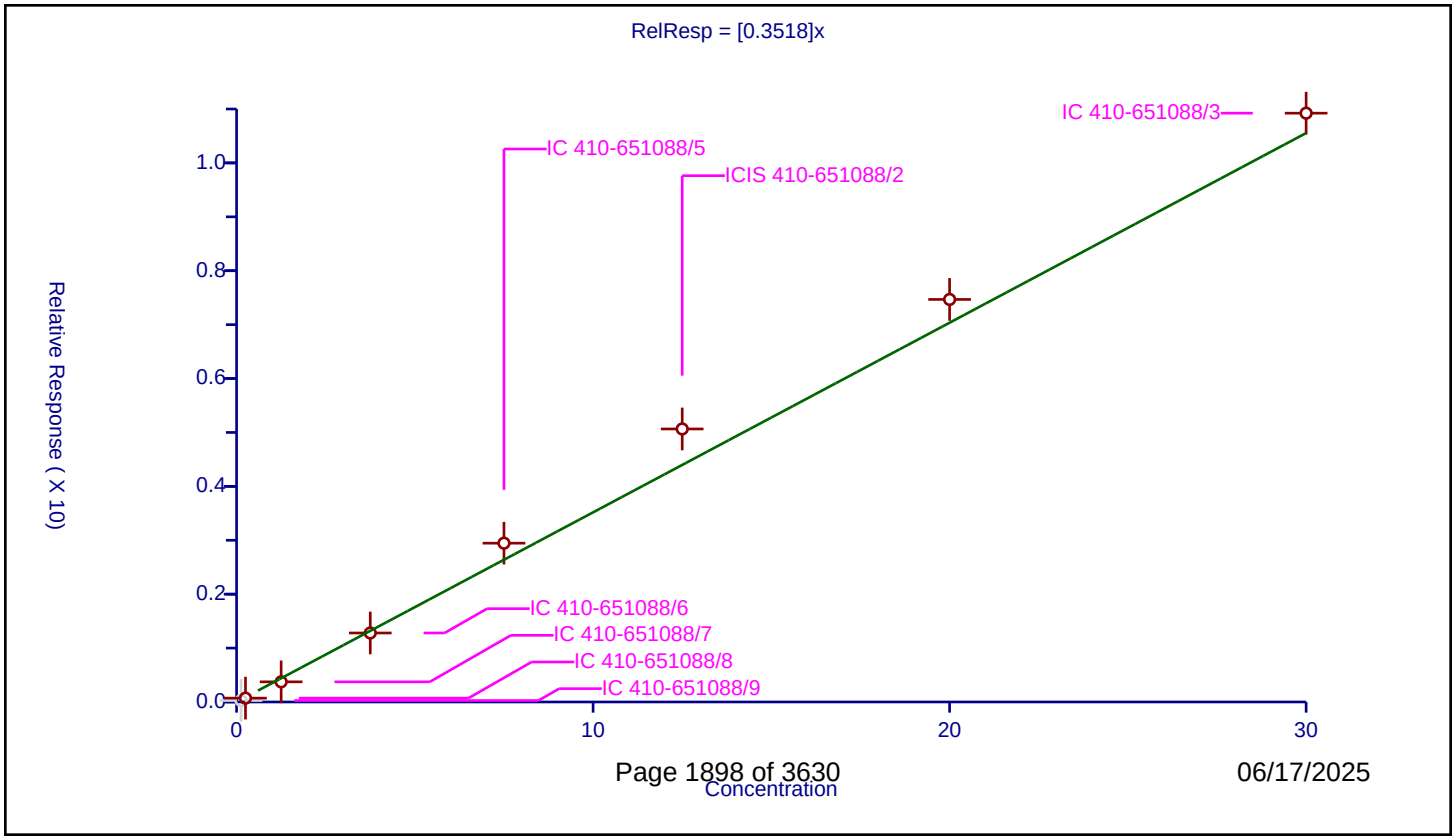
Curve Coefficients

Intercept:	0
Slope:	0.3518

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.027148	5.0	589925.0	0.21718	N
2	IC 410-651088/8	0.25	0.071668	5.0	642545.0	0.286673	Y
3	IC 410-651088/7	1.25	0.373882	5.0	625986.0	0.299106	Y
4	IC 410-651088/6	3.75	1.279932	5.0	602481.0	0.341315	Y
5	IC 410-651088/5	7.5	2.946047	5.0	749910.0	0.392806	Y
6	ICIS 410-651088/2	12.5	5.064625	5.0	858801.0	0.40517	Y
7	IC 410-651088/4	20.0	7.467308	5.0	655966.0	0.373365	Y
8	IC 410-651088/3	30.0	10.922749	5.0	666335.0	0.364092	Y



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Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

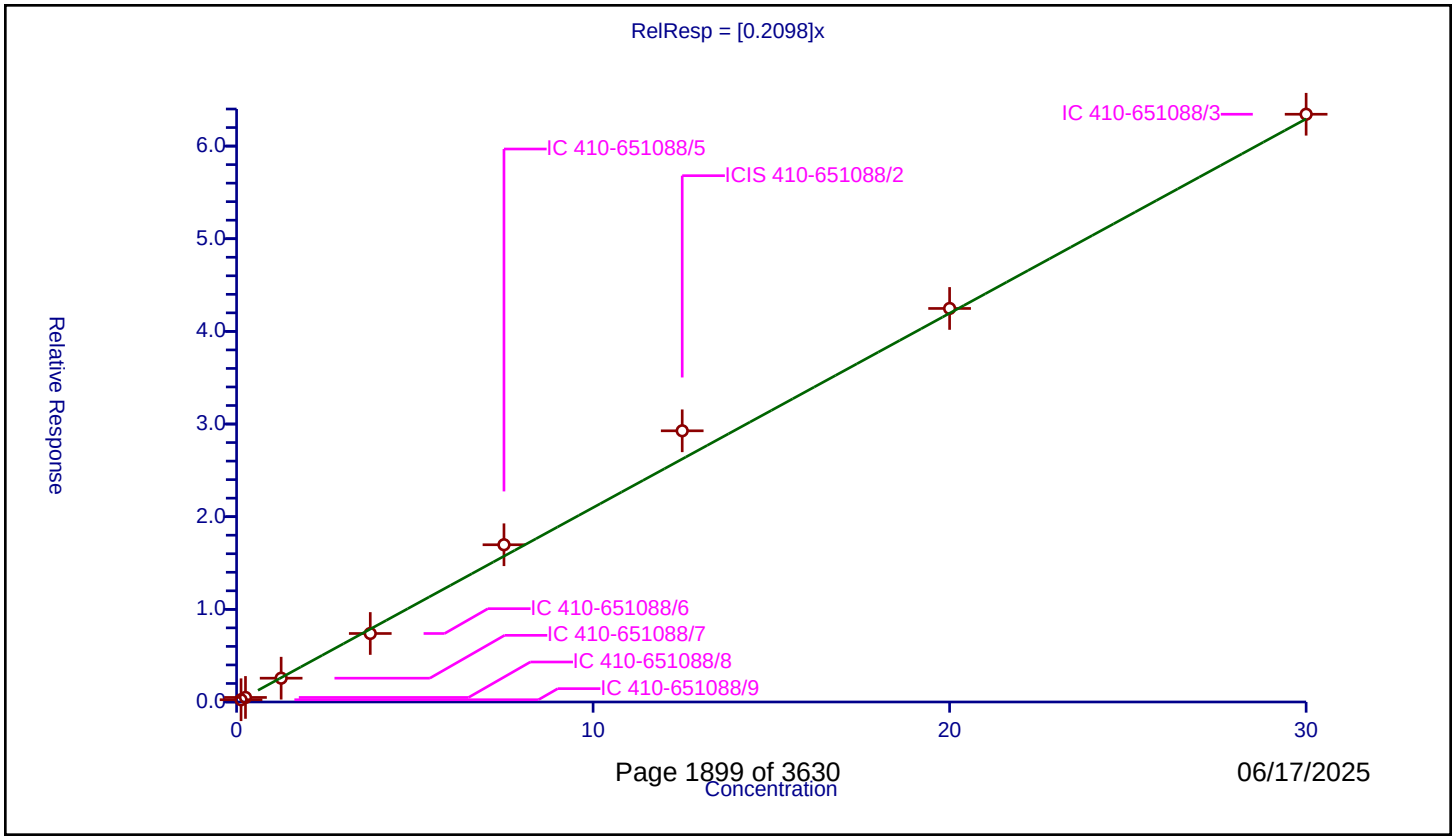
Curve Coefficients

Intercept:	0
Slope:	0.2098

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.024342	5.0	589925.0	0.194737	Y
2	IC 410-651088/8	0.25	0.049195	5.0	642545.0	0.19678	Y
3	IC 410-651088/7	1.25	0.256771	5.0	625986.0	0.205417	Y
4	IC 410-651088/6	3.75	0.739202	5.0	602481.0	0.19712	Y
5	IC 410-651088/5	7.5	1.697004	5.0	749910.0	0.226267	Y
6	ICIS 410-651088/2	12.5	2.926842	5.0	858801.0	0.234147	Y
7	IC 410-651088/4	20.0	4.247339	5.0	655966.0	0.212367	Y
8	IC 410-651088/3	30.0	6.343724	5.0	666335.0	0.211457	Y



Calibration / trans-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

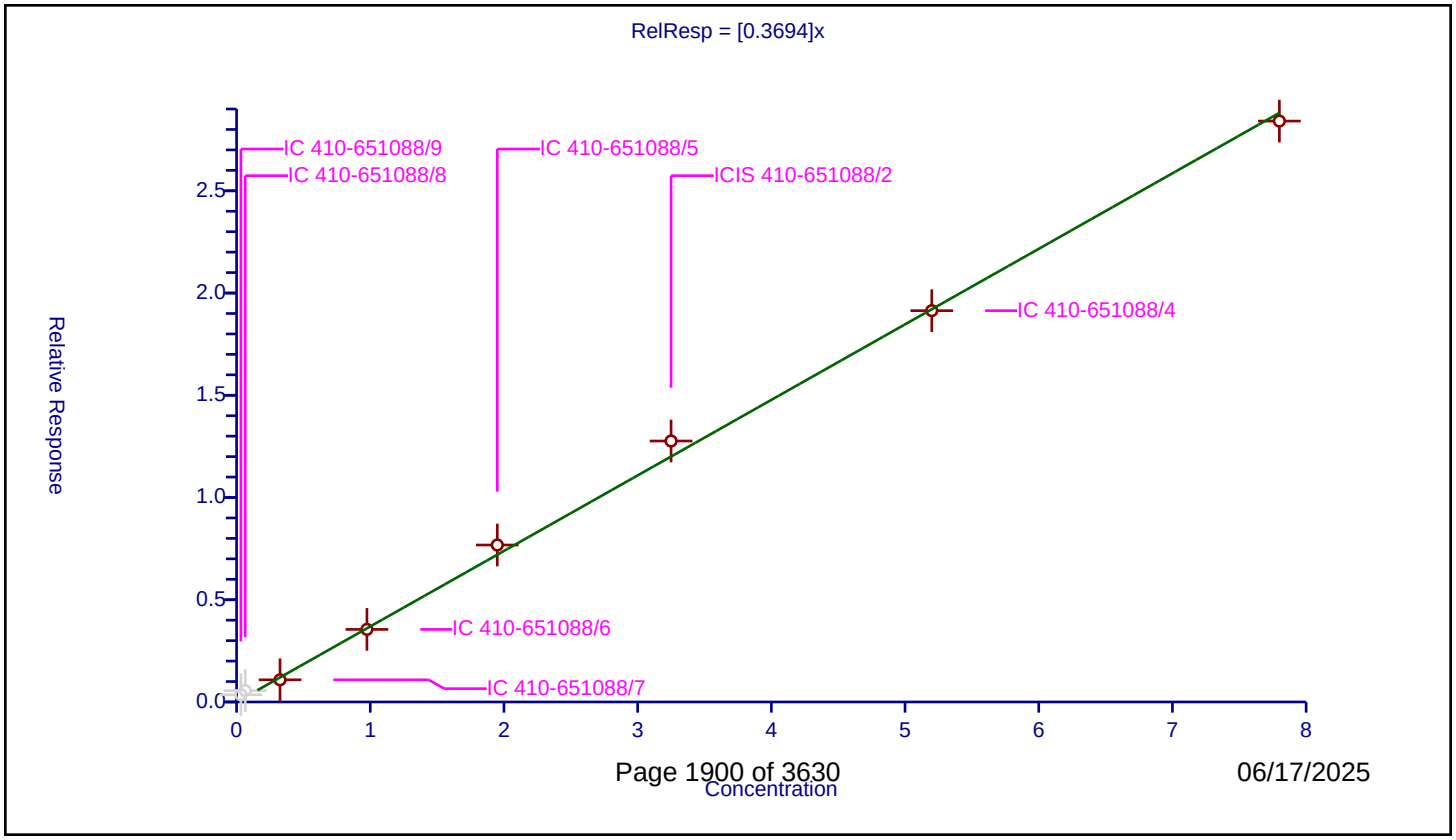
Curve Coefficients

Intercept:	0
Slope:	0.3694

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.0325	0.035403	5.0	589925.0	1.089317	N
2	IC 410-651088/8	0.065	0.055584	5.0	642545.0	0.855133	N
3	IC 410-651088/7	0.325	0.108389	5.0	625986.0	0.333505	Y
4	IC 410-651088/6	0.975	0.354874	5.0	602481.0	0.363974	Y
5	IC 410-651088/5	1.95	0.767652	5.0	749910.0	0.393668	Y
6	ICIS 410-651088/2	3.25	1.276262	5.0	858801.0	0.392696	Y
7	IC 410-651088/4	5.2	1.913742	5.0	655966.0	0.368027	Y
8	IC 410-651088/3	7.8	2.841063	5.0	666335.0	0.364239	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

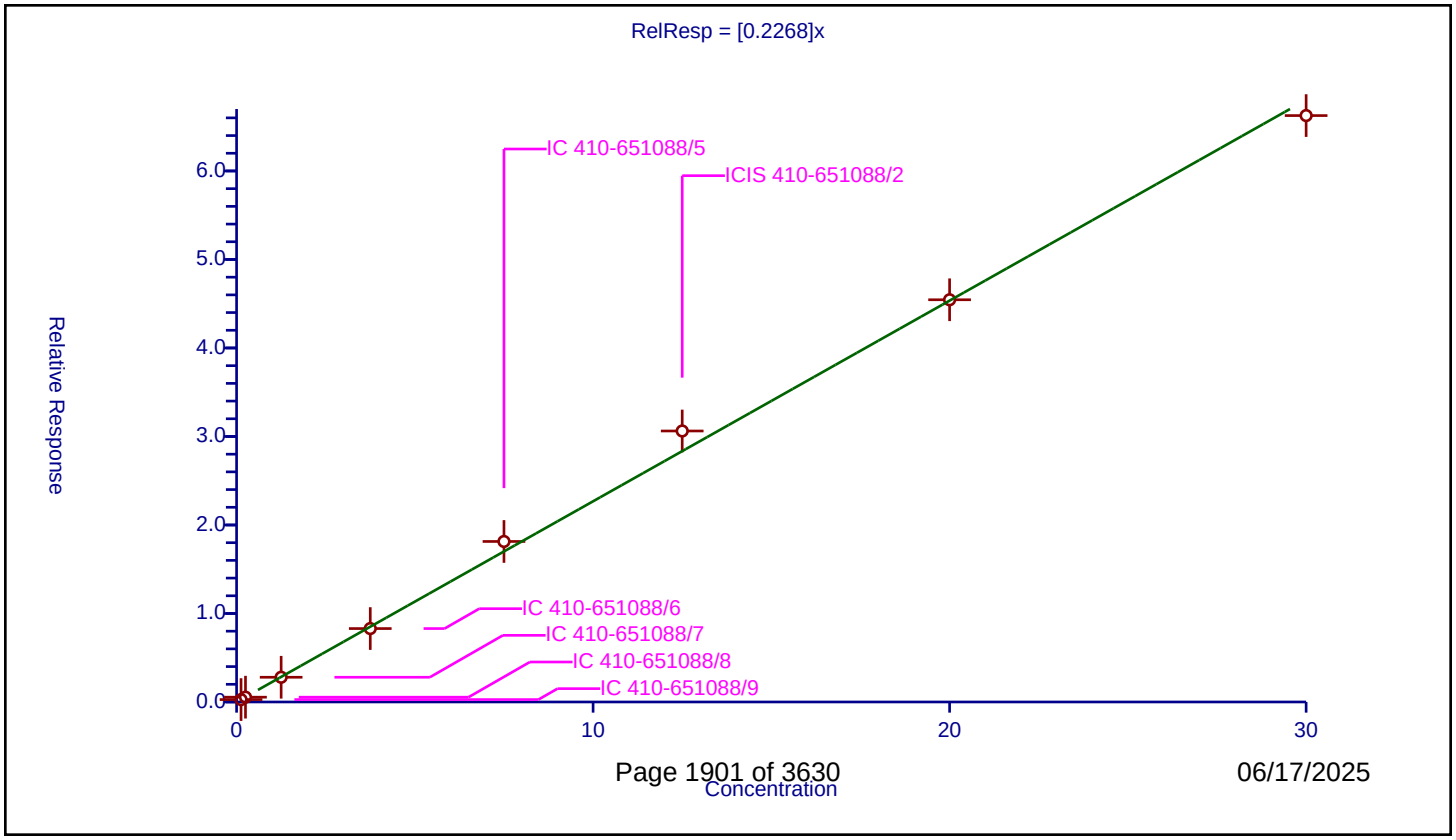
Curve Coefficients

Intercept:	0
Slope:	0.2268

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.027164	5.0	589925.0	0.217316	Y
2	IC 410-651088/8	0.25	0.054237	5.0	642545.0	0.21695	Y
3	IC 410-651088/7	1.25	0.279463	5.0	625986.0	0.22357	Y
4	IC 410-651088/6	3.75	0.829786	5.0	602481.0	0.221276	Y
5	IC 410-651088/5	7.5	1.813798	5.0	749910.0	0.24184	Y
6	ICIS 410-651088/2	12.5	3.062066	5.0	858801.0	0.244965	Y
7	IC 410-651088/4	20.0	4.544679	5.0	655966.0	0.227234	Y
8	IC 410-651088/3	30.0	6.625999	5.0	666335.0	0.220867	Y



Calibration / Dimethoate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

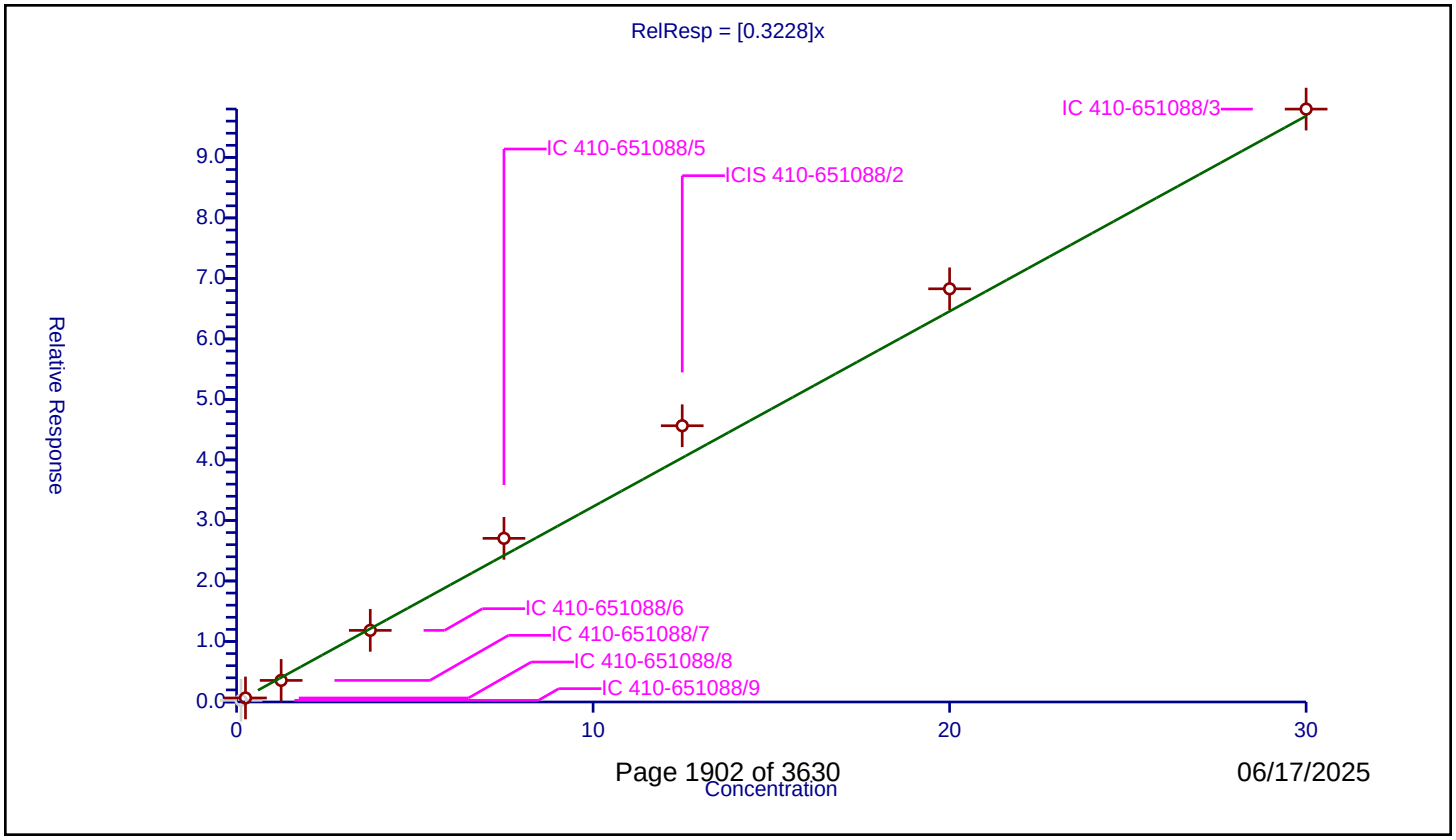
Curve Coefficients

Intercept:	0
Slope:	0.3228

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.027715	5.0	589925.0	0.221723	N
2	IC 410-651088/8	0.25	0.066229	5.0	642545.0	0.264915	Y
3	IC 410-651088/7	1.25	0.356685	5.0	625986.0	0.285348	Y
4	IC 410-651088/6	3.75	1.183697	5.0	602481.0	0.315653	Y
5	IC 410-651088/5	7.5	2.704565	5.0	749910.0	0.360609	Y
6	ICIS 410-651088/2	12.5	4.565813	5.0	858801.0	0.365265	Y
7	IC 410-651088/4	20.0	6.828555	5.0	655966.0	0.341428	Y
8	IC 410-651088/3	30.0	9.798592	5.0	666335.0	0.32662	Y



Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

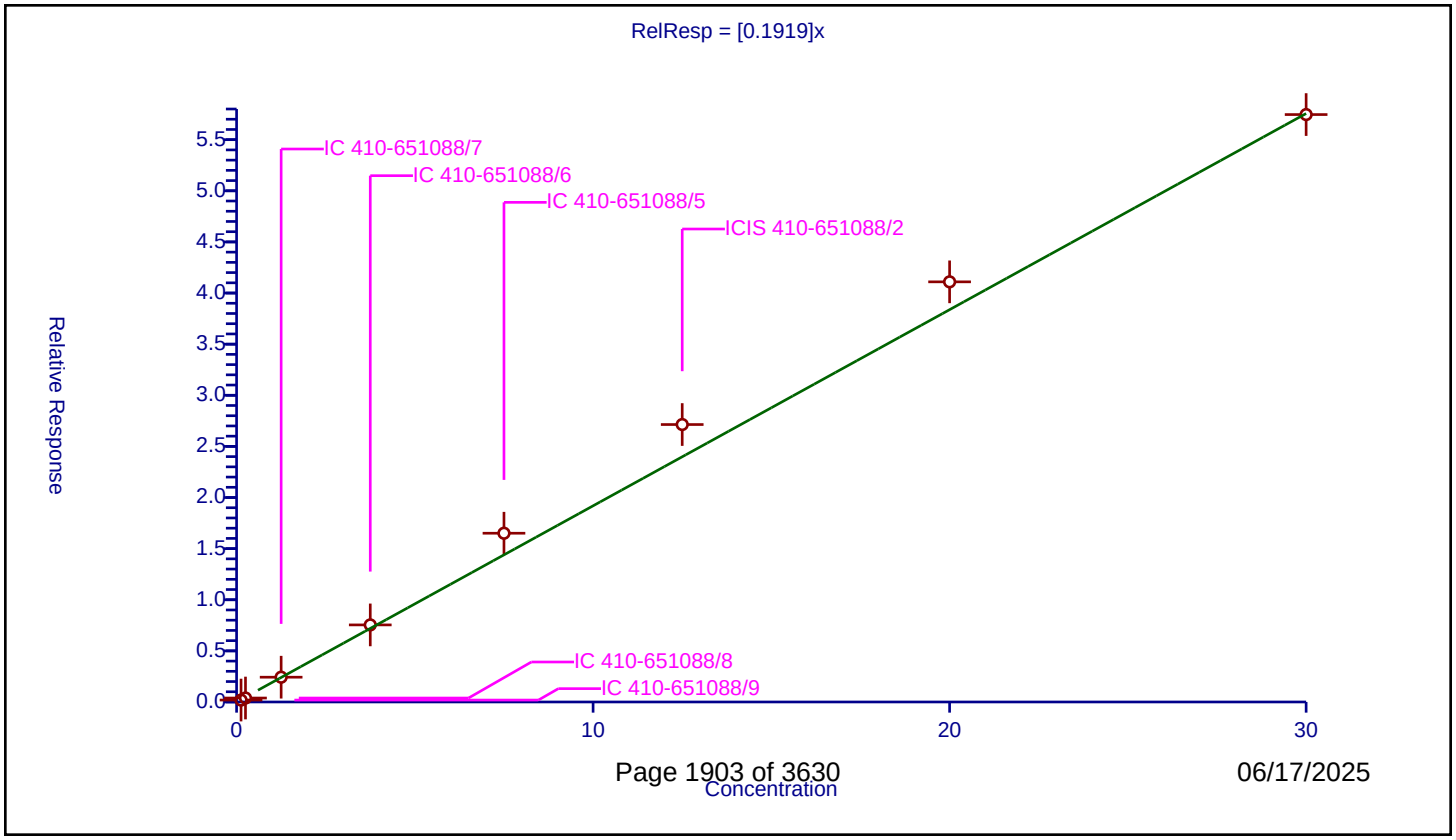
Curve Coefficients

Intercept:	0
Slope:	0.1919

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.01885	5.0	589925.0	0.150799	Y
2	IC 410-651088/8	0.25	0.038729	5.0	642545.0	0.154915	Y
3	IC 410-651088/7	1.25	0.242465	5.0	625986.0	0.193972	Y
4	IC 410-651088/6	3.75	0.753924	5.0	602481.0	0.201046	Y
5	IC 410-651088/5	7.5	1.650685	5.0	749910.0	0.220091	Y
6	ICIS 410-651088/2	12.5	2.713952	5.0	858801.0	0.217116	Y
7	IC 410-651088/4	20.0	4.109535	5.0	655966.0	0.205477	Y
8	IC 410-651088/3	30.0	5.745653	5.0	666335.0	0.191522	Y



Calibration / Pentachlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

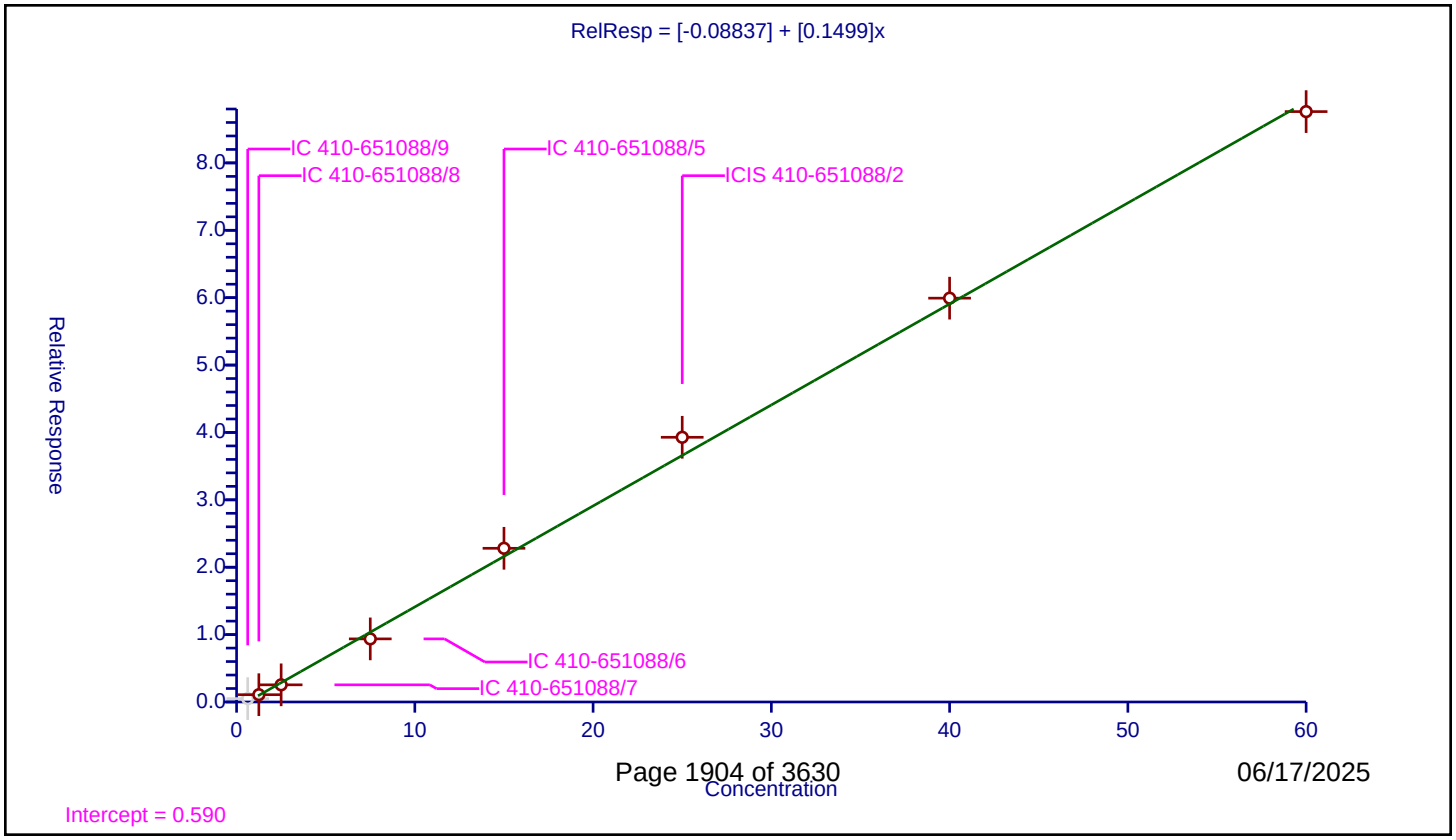
Curve Coefficients

Intercept:	-0.08837
Slope:	0.1499

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.625	0.050227	5.0	589925.0	0.080363	N
2	IC 410-651088/8	1.25	0.108156	5.0	642545.0	0.086525	Y
3	IC 410-651088/7	2.5	0.254542	5.0	625986.0	0.101817	Y
4	IC 410-651088/6	7.5	0.936469	5.0	602481.0	0.124863	Y
5	IC 410-651088/5	15.0	2.28096	5.0	749910.0	0.152064	Y
6	ICIS 410-651088/2	25.0	3.92825	5.0	858801.0	0.15713	Y
7	IC 410-651088/4	40.0	5.993131	5.0	655966.0	0.149828	Y
8	IC 410-651088/3	60.0	8.761689	5.0	666335.0	0.146028	Y



Calibration / 4-Aminobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

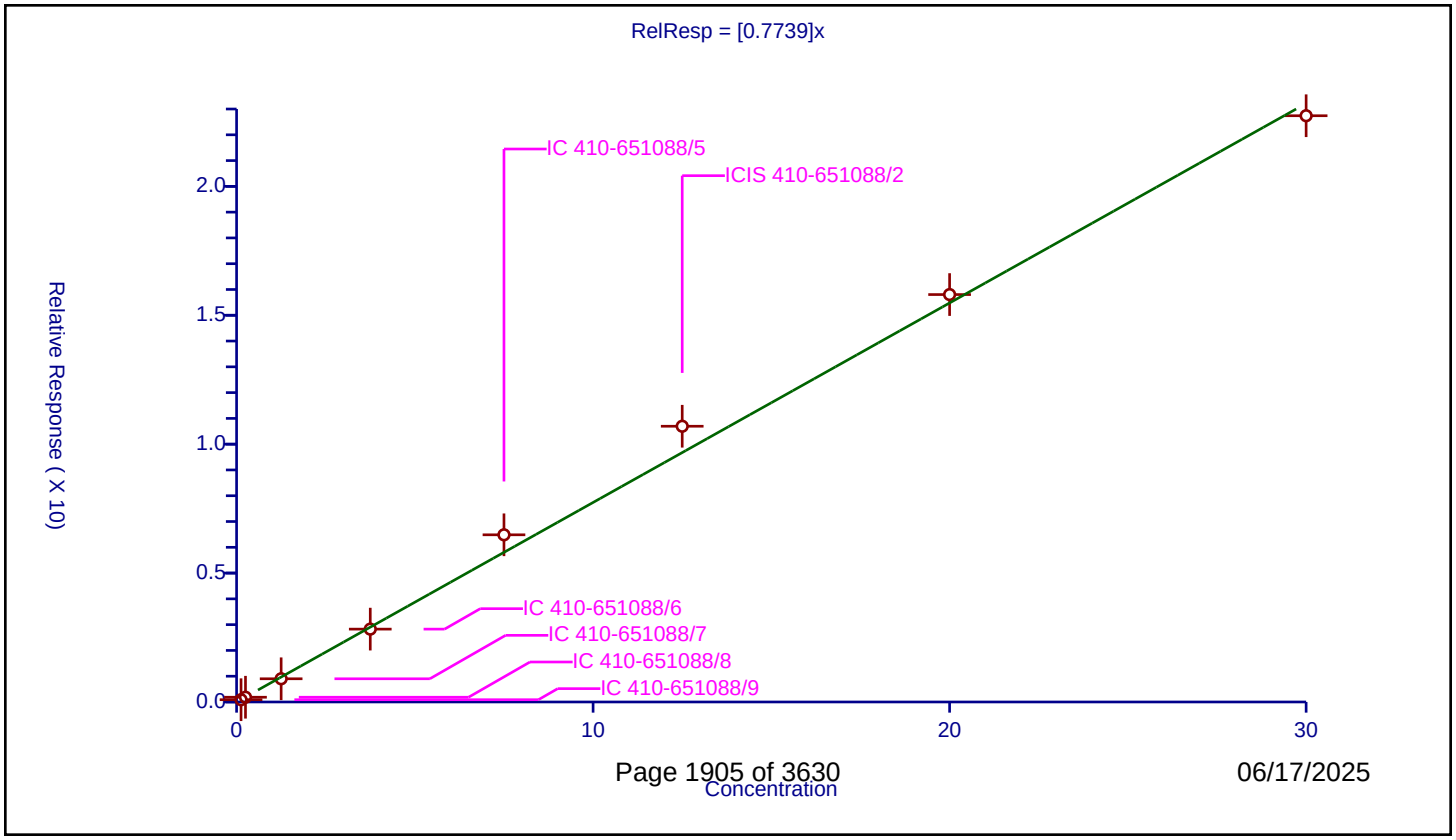
Curve Coefficients

Intercept:	0
Slope:	0.7739

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.088893	5.0	589925.0	0.711141	Y
2	IC 410-651088/8	0.25	0.184462	5.0	642545.0	0.737847	Y
3	IC 410-651088/7	1.25	0.900084	5.0	625986.0	0.720067	Y
4	IC 410-651088/6	3.75	2.826197	5.0	602481.0	0.753653	Y
5	IC 410-651088/5	7.5	6.484658	5.0	749910.0	0.864621	Y
6	ICIS 410-651088/2	12.5	10.695499	5.0	858801.0	0.85564	Y
7	IC 410-651088/4	20.0	15.802641	5.0	655966.0	0.790132	Y
8	IC 410-651088/3	30.0	22.73932	5.0	666335.0	0.757977	Y



Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

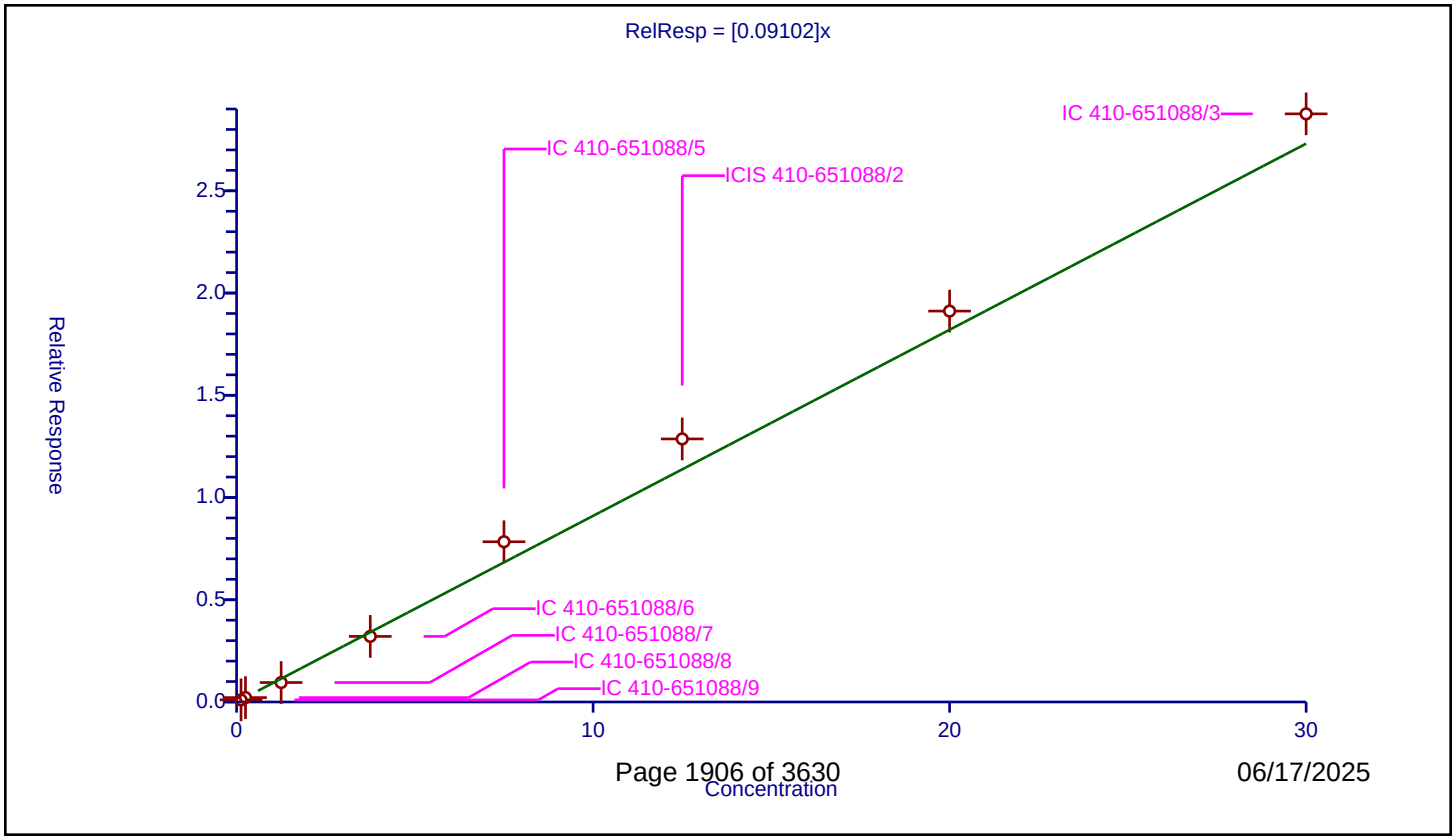
Curve Coefficients

Intercept:	0
Slope:	0.09102

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.010222	5.0	589925.0	0.081773	Y
2	IC 410-651088/8	0.25	0.021462	5.0	642545.0	0.085846	Y
3	IC 410-651088/7	1.25	0.095186	5.0	625986.0	0.076149	Y
4	IC 410-651088/6	3.75	0.320707	5.0	602481.0	0.085522	Y
5	IC 410-651088/5	7.5	0.783647	5.0	749910.0	0.104486	Y
6	ICIS 410-651088/2	12.5	1.286515	5.0	858801.0	0.102921	Y
7	IC 410-651088/4	20.0	1.911723	5.0	655966.0	0.095586	Y
8	IC 410-651088/3	30.0	2.876278	5.0	666335.0	0.095876	Y



Calibration / Pronamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

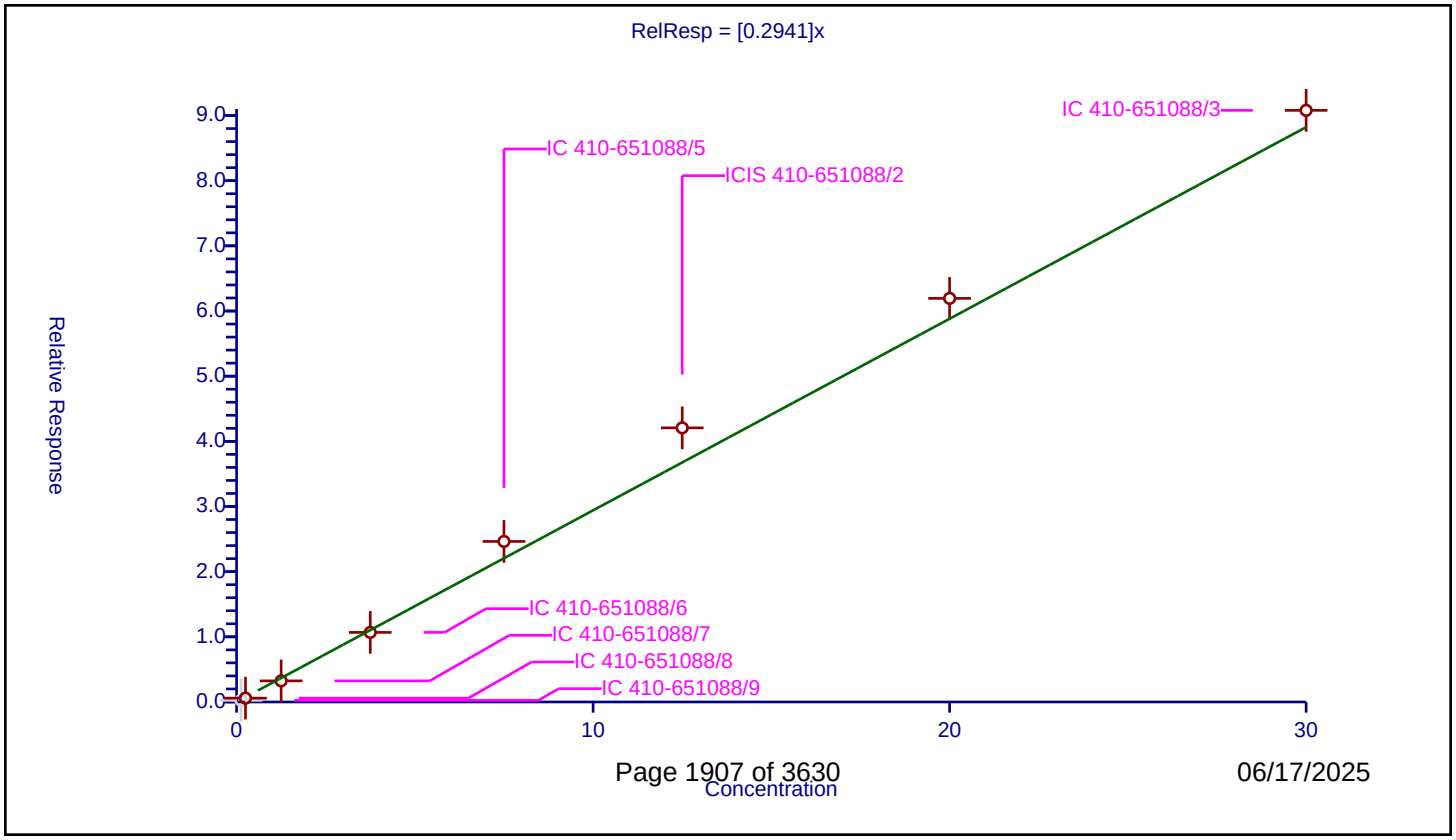
Curve Coefficients

Intercept:	0
Slope:	0.2941

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.025317	5.0	589925.0	0.202534	N
2	IC 410-651088/8	0.25	0.059295	5.0	642545.0	0.237182	Y
3	IC 410-651088/7	1.25	0.323897	5.0	625986.0	0.259118	Y
4	IC 410-651088/6	3.75	1.067818	5.0	602481.0	0.284751	Y
5	IC 410-651088/5	7.5	2.463716	5.0	749910.0	0.328495	Y
6	ICIS 410-651088/2	12.5	4.206592	5.0	858801.0	0.336527	Y
7	IC 410-651088/4	20.0	6.194155	5.0	655966.0	0.309708	Y
8	IC 410-651088/3	30.0	9.07948	5.0	666335.0	0.302649	Y



Calibration / Dinoseb

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

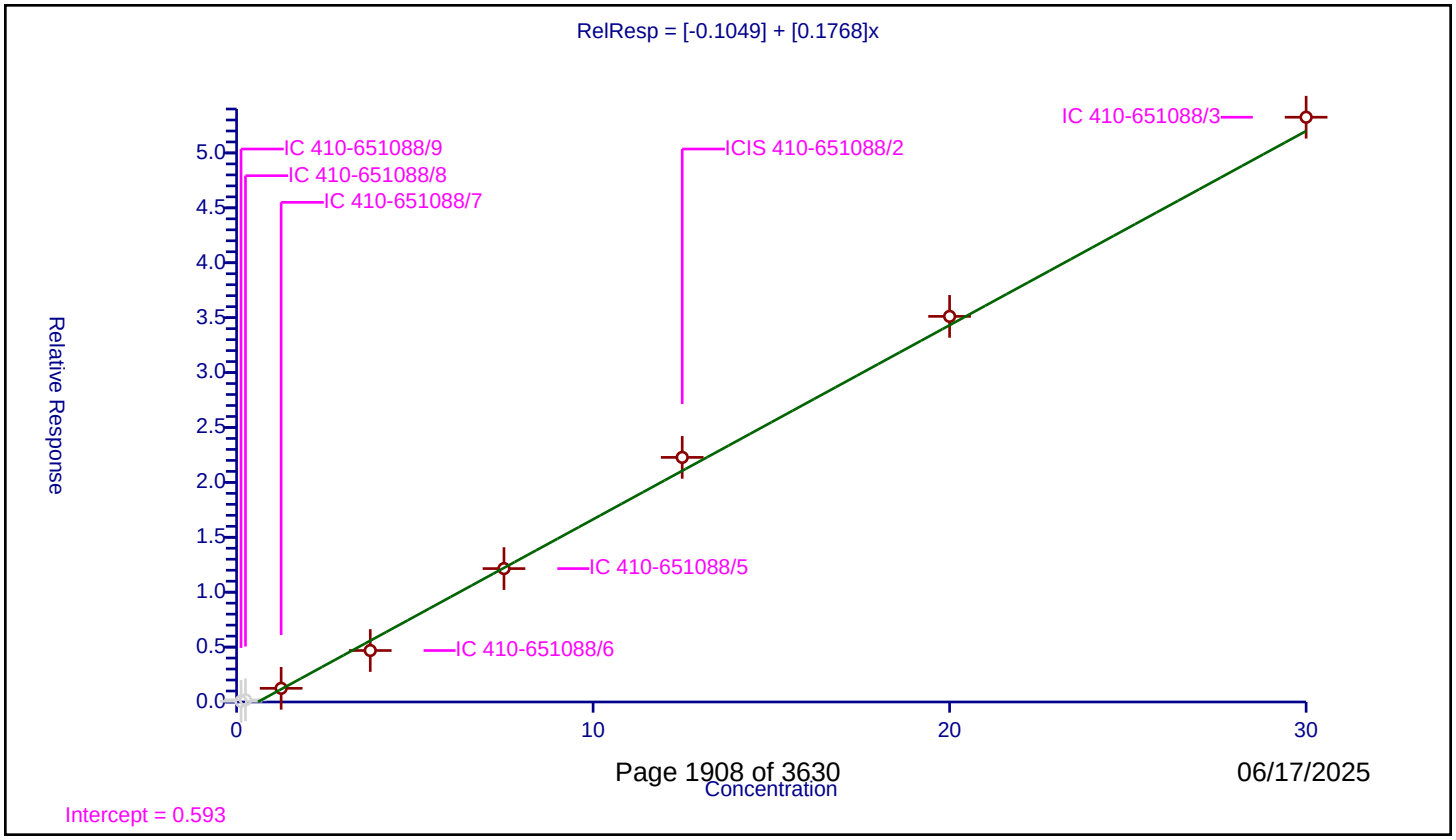
Curve Coefficients

Intercept:	-0.1049
Slope:	0.1768

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.00656	5.0	589925.0	0.052481	N
2	IC 410-651088/8	0.25	0.019508	5.0	642545.0	0.078033	N
3	IC 410-651088/7	1.25	0.124444	5.0	625986.0	0.099555	Y
4	IC 410-651088/6	3.75	0.468795	5.0	602481.0	0.125012	Y
5	IC 410-651088/5	7.5	1.214872	5.0	749910.0	0.161983	Y
6	ICIS 410-651088/2	12.5	2.227588	5.0	858801.0	0.178207	Y
7	IC 410-651088/4	20.0	3.511714	5.0	655966.0	0.175586	Y
8	IC 410-651088/3	30.0	5.325212	5.0	666335.0	0.177507	Y



Calibration / Disulfoton

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

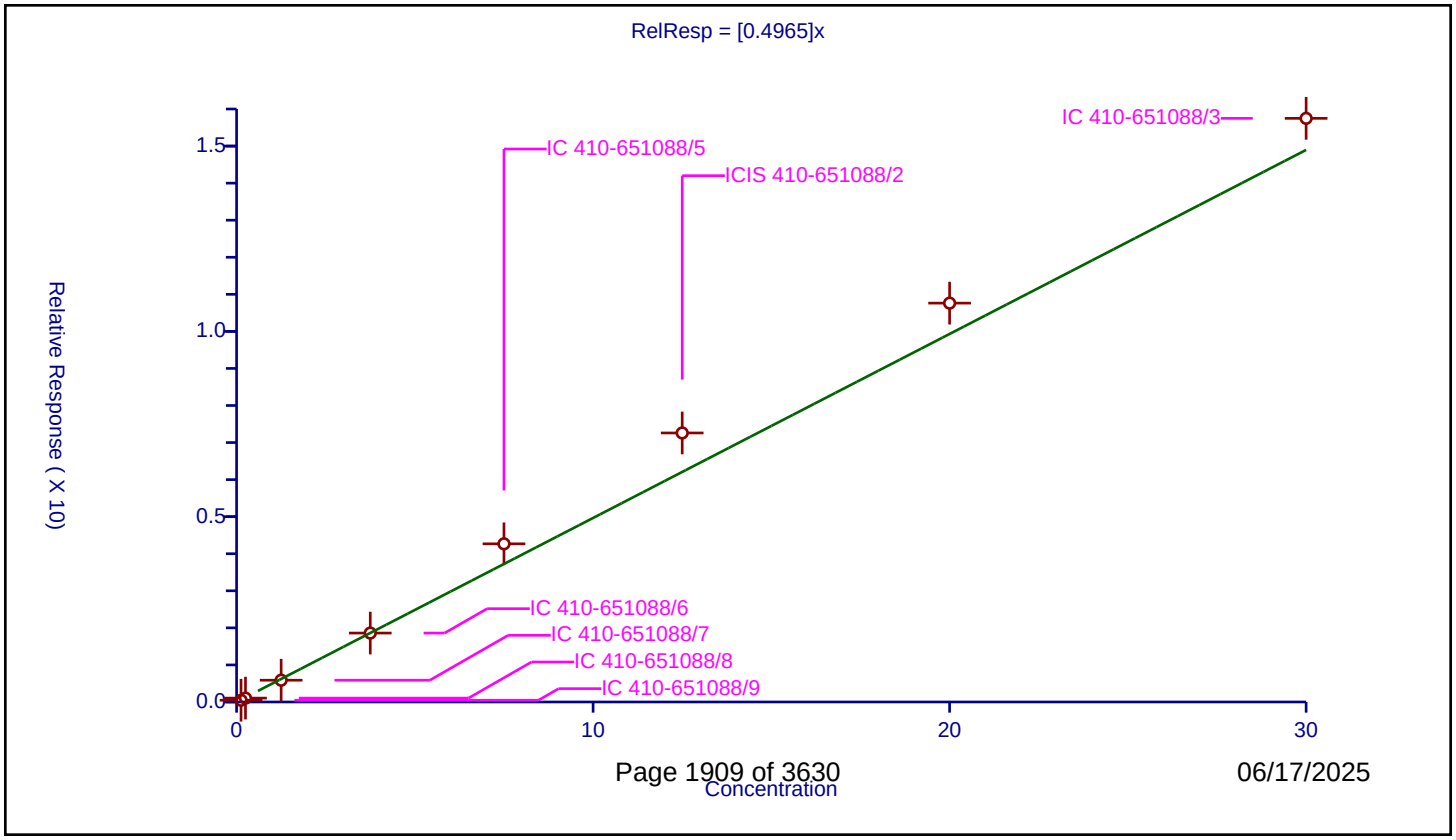
Curve Coefficients

Intercept:	0
Slope:	0.4965

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.046955	5.0	589925.0	0.375641	Y
2	IC 410-651088/8	0.25	0.10453	5.0	642545.0	0.418119	Y
3	IC 410-651088/7	1.25	0.58717	5.0	625986.0	0.469736	Y
4	IC 410-651088/6	3.75	1.859984	5.0	602481.0	0.495996	Y
5	IC 410-651088/5	7.5	4.268139	5.0	749910.0	0.569085	Y
6	ICIS 410-651088/2	12.5	7.258847	5.0	858801.0	0.580708	Y
7	IC 410-651088/4	20.0	10.762433	5.0	655966.0	0.538122	Y
8	IC 410-651088/3	30.0	15.748325	5.0	666335.0	0.524944	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

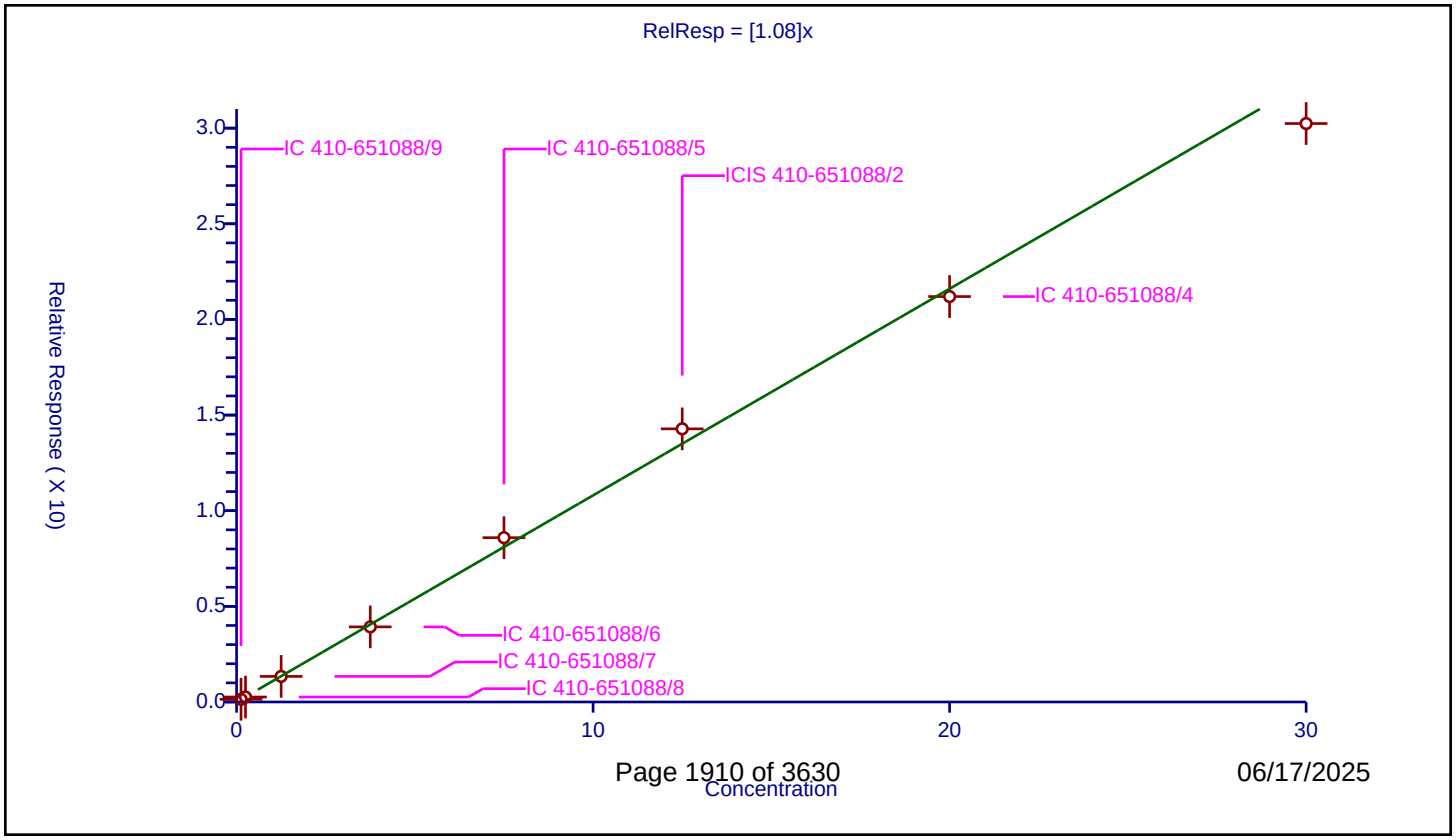
Curve Coefficients

Intercept:	0
Slope:	1.08

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.140815	5.0	589925.0	1.126516	Y
2	IC 410-651088/8	0.25	0.260565	5.0	642545.0	1.042262	Y
3	IC 410-651088/7	1.25	1.33717	5.0	625986.0	1.069736	Y
4	IC 410-651088/6	3.75	3.926199	5.0	602481.0	1.046986	Y
5	IC 410-651088/5	7.5	8.589931	5.0	749910.0	1.145324	Y
6	ICIS 410-651088/2	12.5	14.279618	5.0	858801.0	1.142369	Y
7	IC 410-651088/4	20.0	21.194696	5.0	655966.0	1.059735	Y
8	IC 410-651088/3	30.0	30.241883	5.0	666335.0	1.008063	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

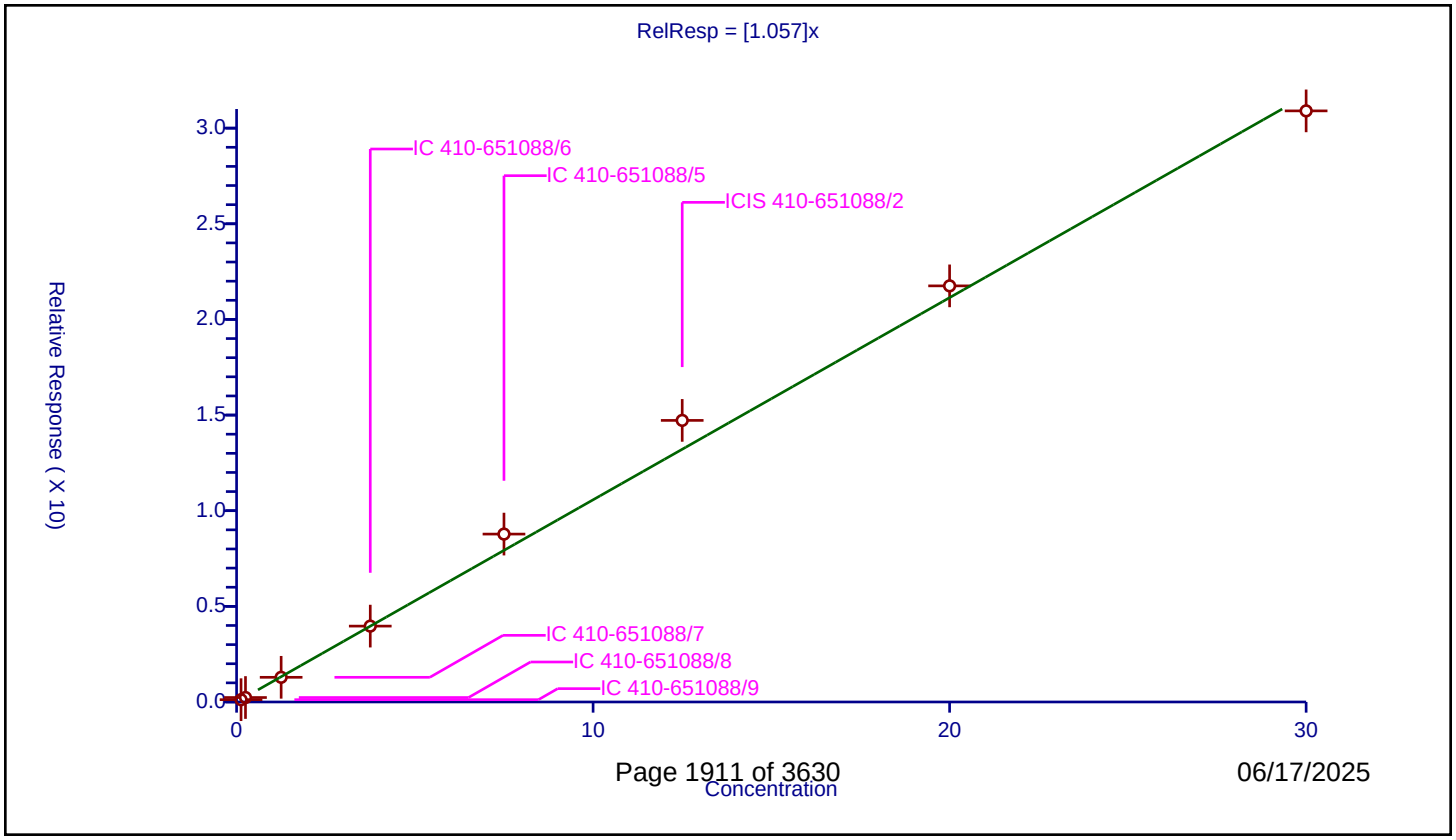
Curve Coefficients

Intercept:	0
Slope:	1.057

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.120566	5.0	589925.0	0.964529	Y
2	IC 410-651088/8	0.25	0.233851	5.0	642545.0	0.935405	Y
3	IC 410-651088/7	1.25	1.289965	5.0	625986.0	1.031972	Y
4	IC 410-651088/6	3.75	3.967146	5.0	602481.0	1.057906	Y
5	IC 410-651088/5	7.5	8.778253	5.0	749910.0	1.170434	Y
6	ICIS 410-651088/2	12.5	14.721286	5.0	858801.0	1.177703	Y
7	IC 410-651088/4	20.0	21.754131	5.0	655966.0	1.087707	Y
8	IC 410-651088/3	30.0	30.902729	5.0	666335.0	1.030091	Y



Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

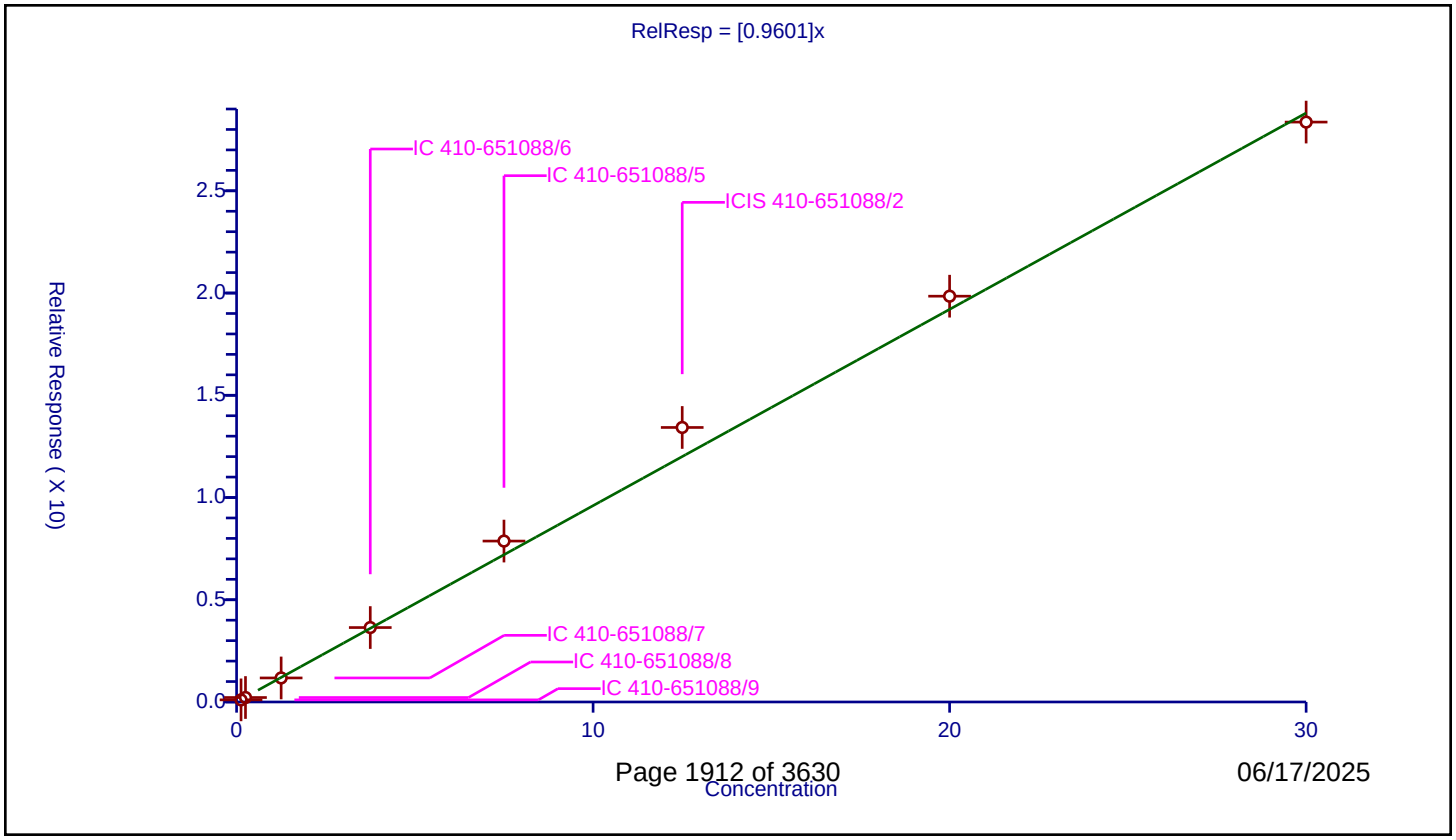
Curve Coefficients

Intercept:	0
Slope:	0.9601

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.104157	5.0	589925.0	0.833258	Y
2	IC 410-651088/8	0.25	0.21881	5.0	642545.0	0.875238	Y
3	IC 410-651088/7	1.25	1.175937	5.0	625986.0	0.940749	Y
4	IC 410-651088/6	3.75	3.640048	5.0	602481.0	0.97068	Y
5	IC 410-651088/5	7.5	7.870158	5.0	749910.0	1.049354	Y
6	ICIS 410-651088/2	12.5	13.426003	5.0	858801.0	1.07408	Y
7	IC 410-651088/4	20.0	19.845808	5.0	655966.0	0.99229	Y
8	IC 410-651088/3	30.0	28.360907	5.0	666335.0	0.945364	Y



Calibration / Methyl parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

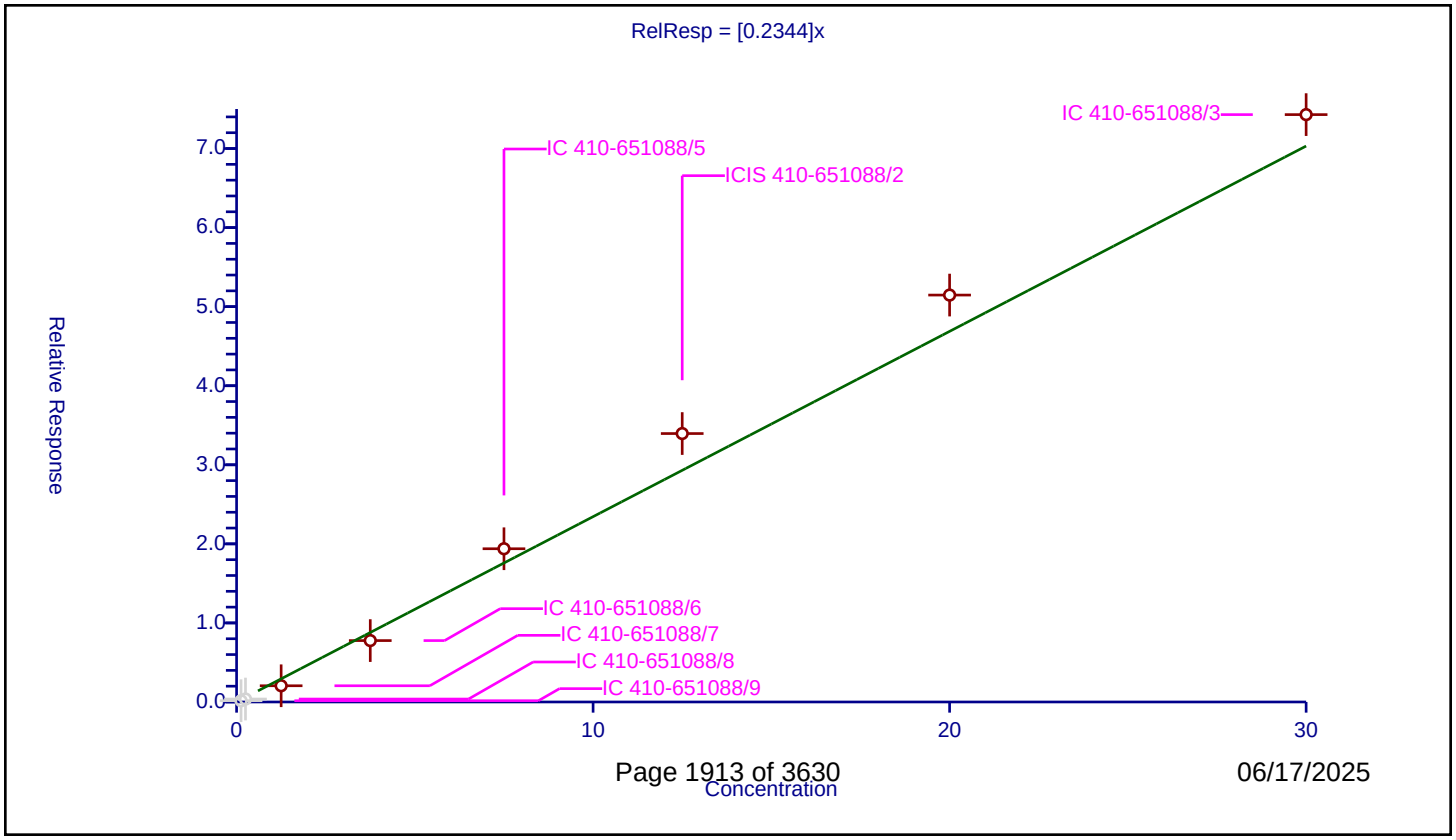
Curve Coefficients

Intercept:	0
Slope:	0.2344

Error Coefficients

Relative Standard Deviation:	17.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.016053	5.0	589925.0	0.128423	N
2	IC 410-651088/8	0.25	0.03718	5.0	642545.0	0.148721	N
3	IC 410-651088/7	1.25	0.205236	5.0	625986.0	0.164189	Y
4	IC 410-651088/6	3.75	0.776614	5.0	602481.0	0.207097	Y
5	IC 410-651088/5	7.5	1.938286	5.0	749910.0	0.258438	Y
6	ICIS 410-651088/2	12.5	3.395263	5.0	858801.0	0.271621	Y
7	IC 410-651088/4	20.0	5.146669	5.0	655966.0	0.257333	Y
8	IC 410-651088/3	30.0	7.429169	5.0	666335.0	0.247639	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

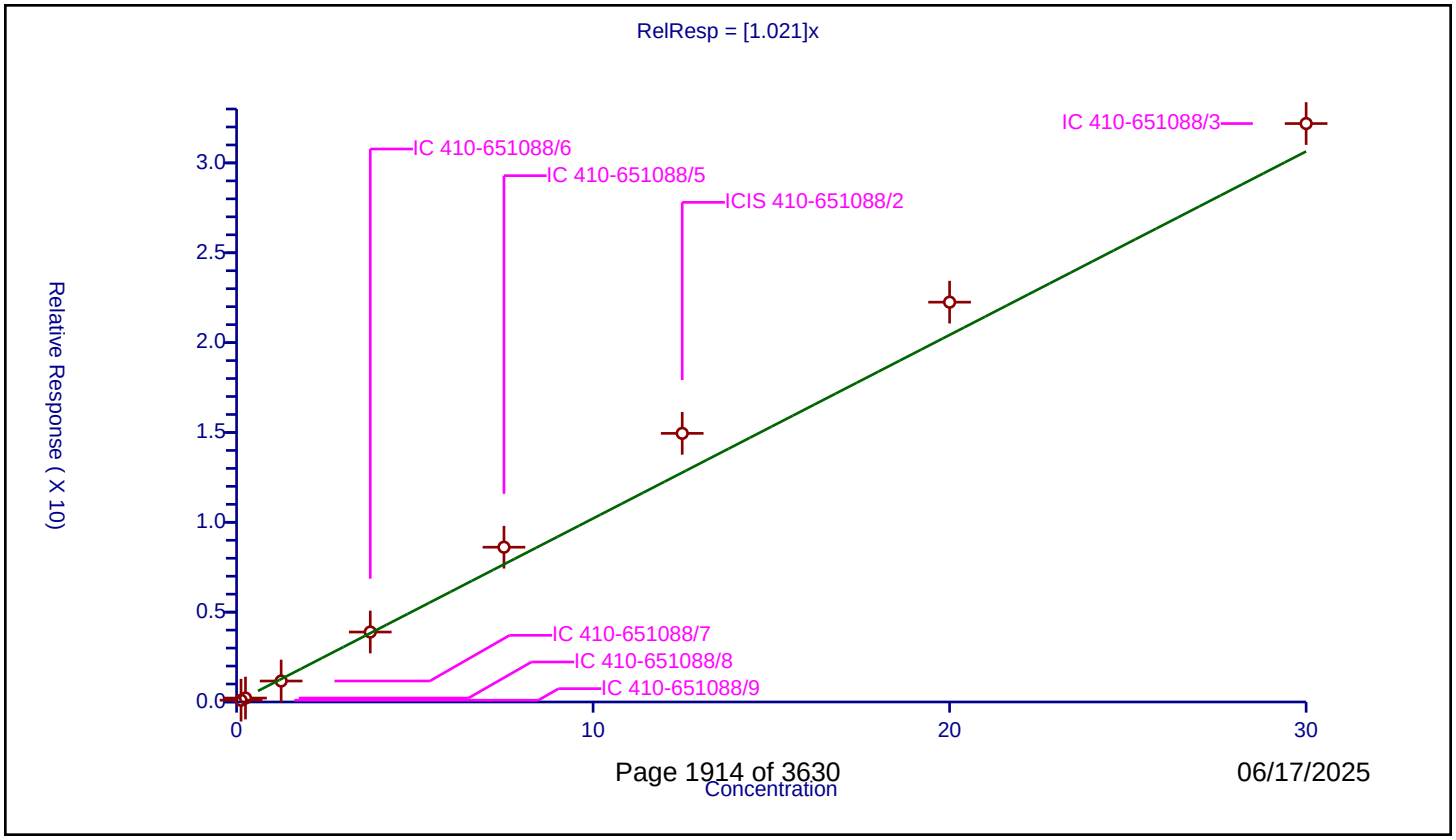
Curve Coefficients

Intercept:	0
Slope:	1.021

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.099258	5.0	589925.0	0.794067	Y
2	IC 410-651088/8	0.25	0.21874	5.0	642545.0	0.874958	Y
3	IC 410-651088/7	1.25	1.167023	5.0	625986.0	0.933618	Y
4	IC 410-651088/6	3.75	3.892687	5.0	602481.0	1.03805	Y
5	IC 410-651088/5	7.5	8.61382	5.0	749910.0	1.148509	Y
6	ICIS 410-651088/2	12.5	14.948999	5.0	858801.0	1.19592	Y
7	IC 410-651088/4	20.0	22.251466	5.0	655966.0	1.112573	Y
8	IC 410-651088/3	30.0	32.191555	5.0	666335.0	1.073052	Y



Calibration / Ethyl Parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

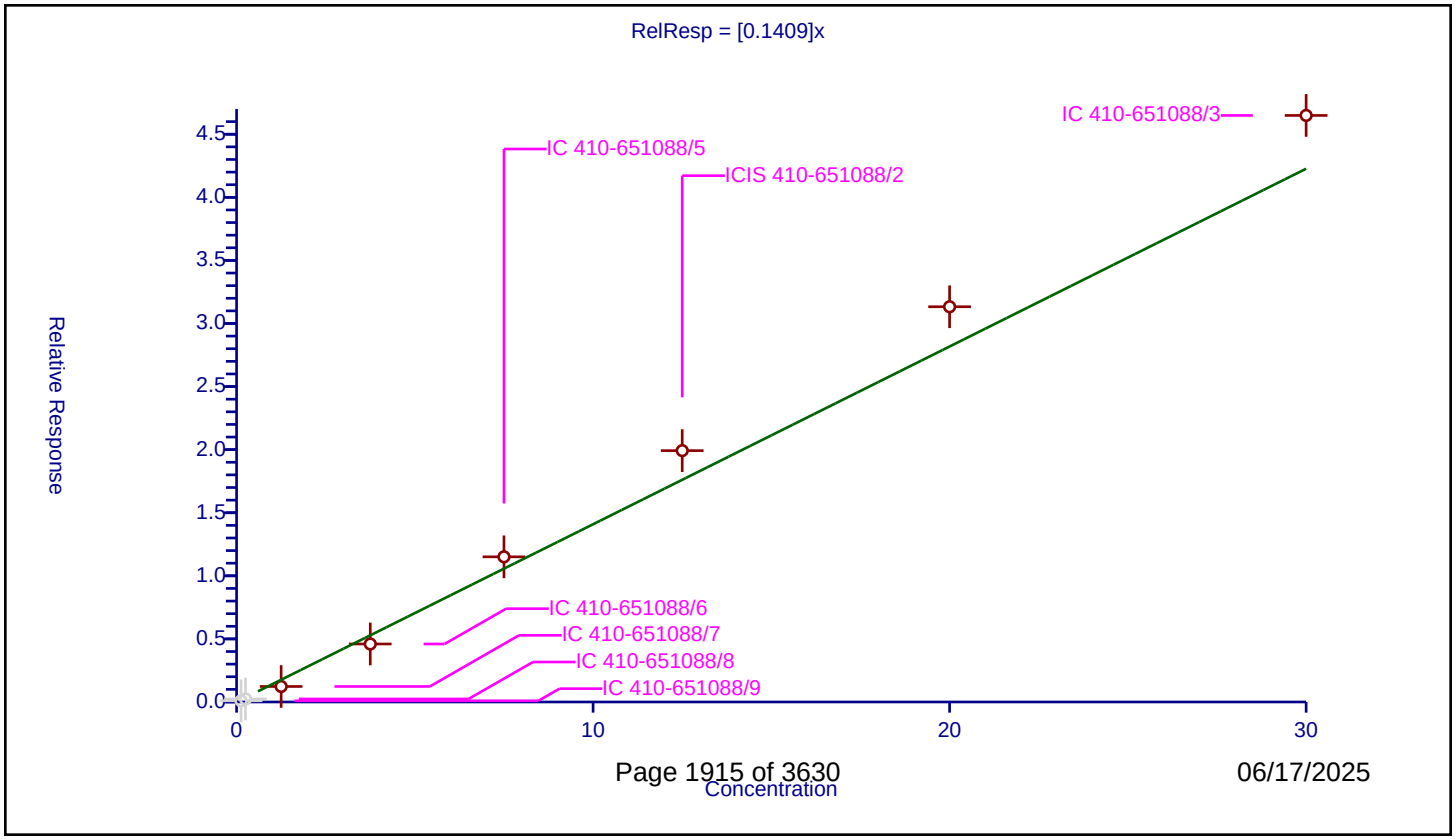
Curve Coefficients

Intercept:	0
Slope:	0.1409

Error Coefficients

Relative Standard Deviation:	17.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.009603	5.0	589925.0	0.076823	N
2	IC 410-651088/8	0.25	0.023959	5.0	642545.0	0.095838	N
3	IC 410-651088/7	1.25	0.122854	5.0	625986.0	0.098283	Y
4	IC 410-651088/6	3.75	0.45989	5.0	602481.0	0.122637	Y
5	IC 410-651088/5	7.5	1.150538	5.0	749910.0	0.153405	Y
6	ICIS 410-651088/2	12.5	1.992278	5.0	858801.0	0.159382	Y
7	IC 410-651088/4	20.0	3.132647	5.0	655966.0	0.156632	Y
8	IC 410-651088/3	30.0	4.649118	5.0	666335.0	0.154971	Y



Calibration / 4-Nitroquinoline-1-oxide

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

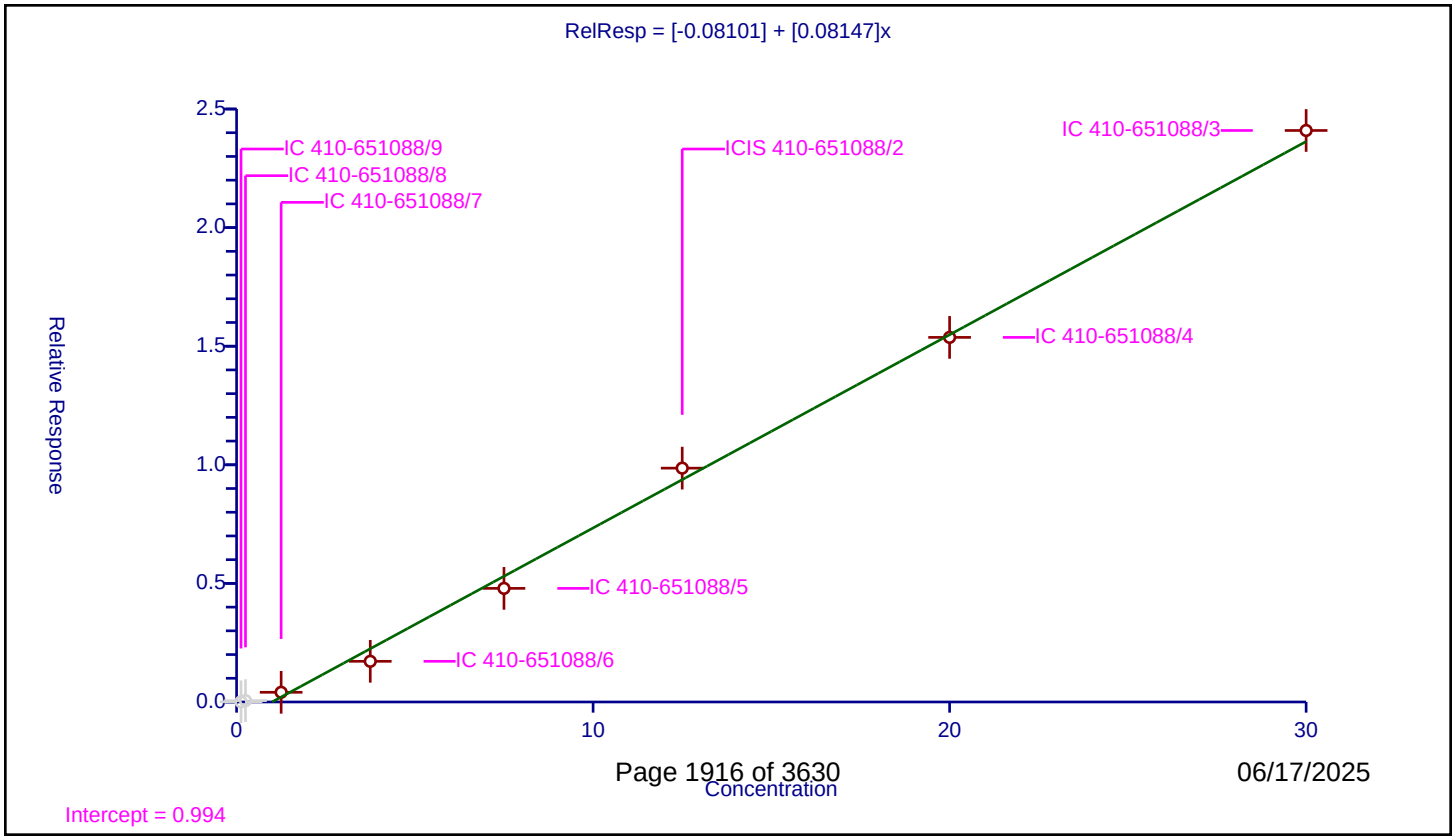
Curve Coefficients

Intercept:	-0.08101
Slope:	0.08147

Error Coefficients

Relative Standard Deviation:	14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.00089	5.0	589925.0	0.00712	N
2	IC 410-651088/8	0.25	0.005673	5.0	642545.0	0.022691	N
3	IC 410-651088/7	1.25	0.040903	5.0	625986.0	0.032723	Y
4	IC 410-651088/6	3.75	0.171474	5.0	602481.0	0.045726	Y
5	IC 410-651088/5	7.5	0.478951	5.0	749910.0	0.06386	Y
6	ICIS 410-651088/2	12.5	0.98595	5.0	858801.0	0.078876	Y
7	IC 410-651088/4	20.0	1.537199	5.0	655966.0	0.07686	Y
8	IC 410-651088/3	30.0	2.409524	5.0	666335.0	0.080317	Y



Calibration / Octachlorostyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

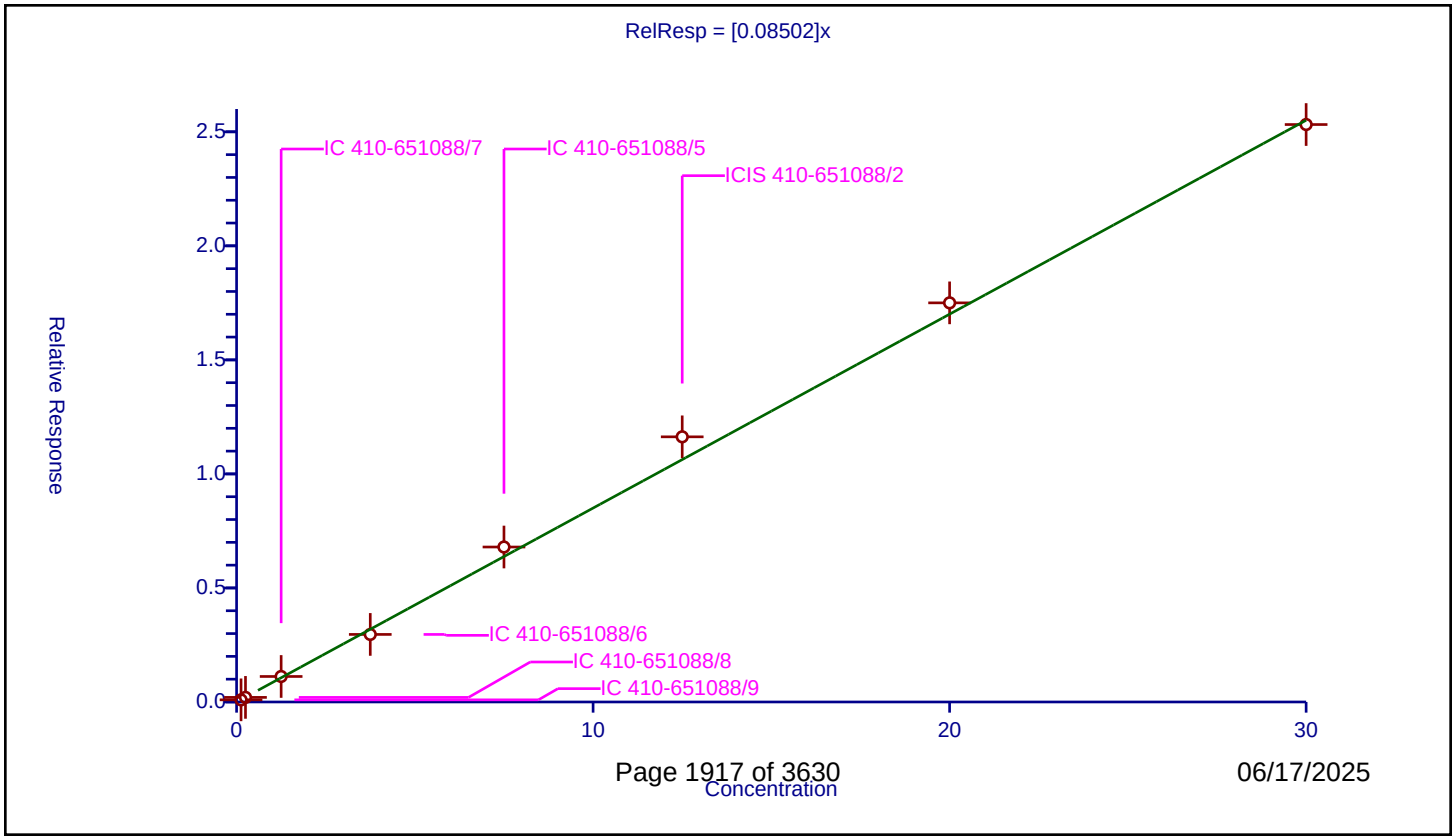
Curve Coefficients

Intercept:	0
Slope:	0.08502

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.009442	5.0	589925.0	0.075535	Y
2	IC 410-651088/8	0.25	0.020162	5.0	642545.0	0.080648	Y
3	IC 410-651088/7	1.25	0.111879	5.0	625986.0	0.089504	Y
4	IC 410-651088/6	3.75	0.296209	5.0	602481.0	0.078989	Y
5	IC 410-651088/5	7.5	0.679482	5.0	749910.0	0.090598	Y
6	ICIS 410-651088/2	12.5	1.162685	5.0	858801.0	0.093015	Y
7	IC 410-651088/4	20.0	1.750045	5.0	655966.0	0.087502	Y
8	IC 410-651088/3	30.0	2.531955	5.0	666335.0	0.084398	Y



Calibration / Isodrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

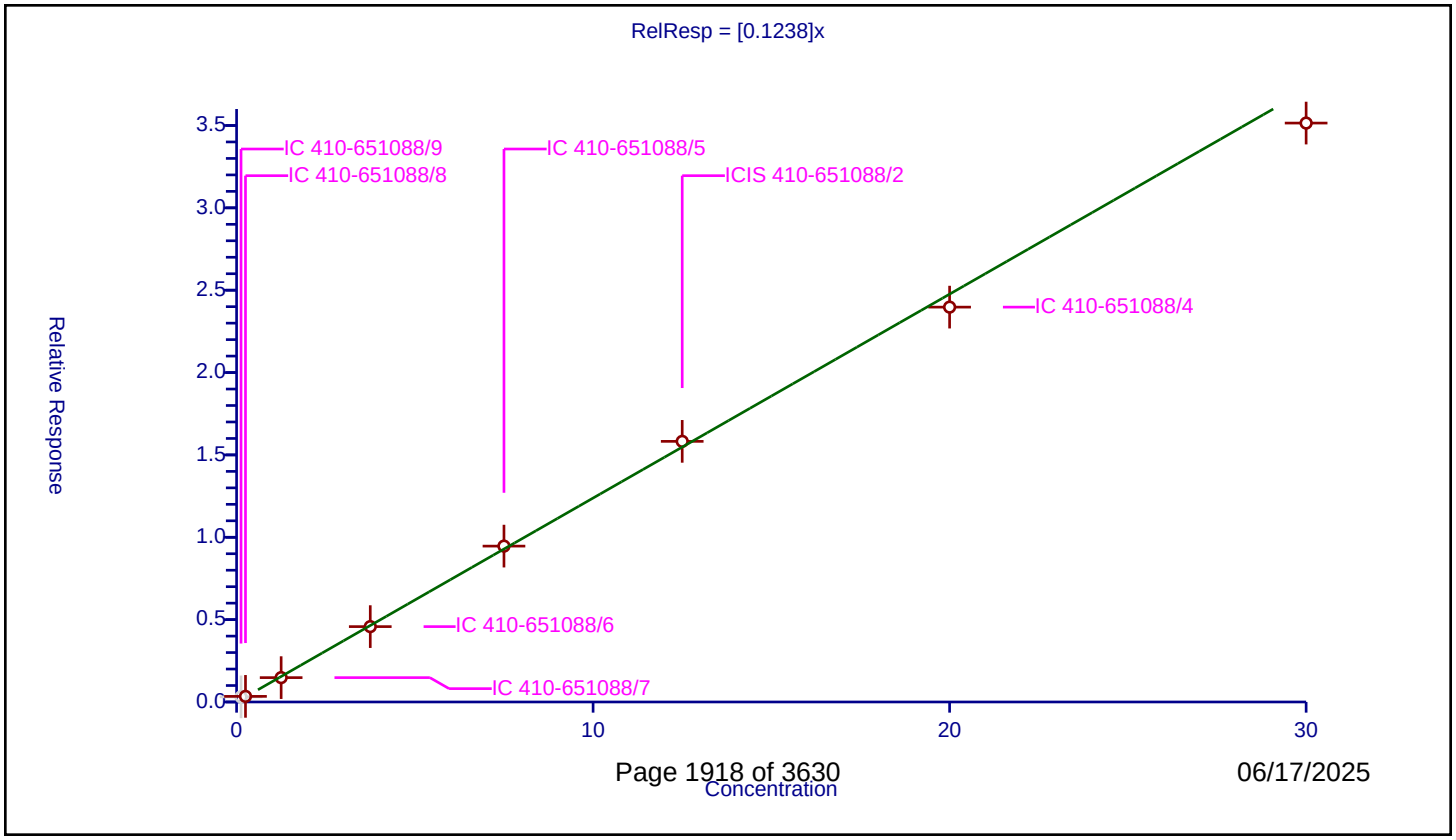
Curve Coefficients

Intercept:	0
Slope:	0.1238

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.03108	5.0	589925.0	0.248642	N
2	IC 410-651088/8	0.25	0.034138	5.0	642545.0	0.136551	Y
3	IC 410-651088/7	1.25	0.147903	5.0	625986.0	0.118322	Y
4	IC 410-651088/6	3.75	0.45755	5.0	602481.0	0.122013	Y
5	IC 410-651088/5	7.5	0.946327	5.0	749910.0	0.126177	Y
6	ICIS 410-651088/2	12.5	1.582252	5.0	858801.0	0.12658	Y
7	IC 410-651088/4	20.0	2.397312	5.0	655966.0	0.119866	Y
8	IC 410-651088/3	30.0	3.514651	5.0	666335.0	0.117155	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

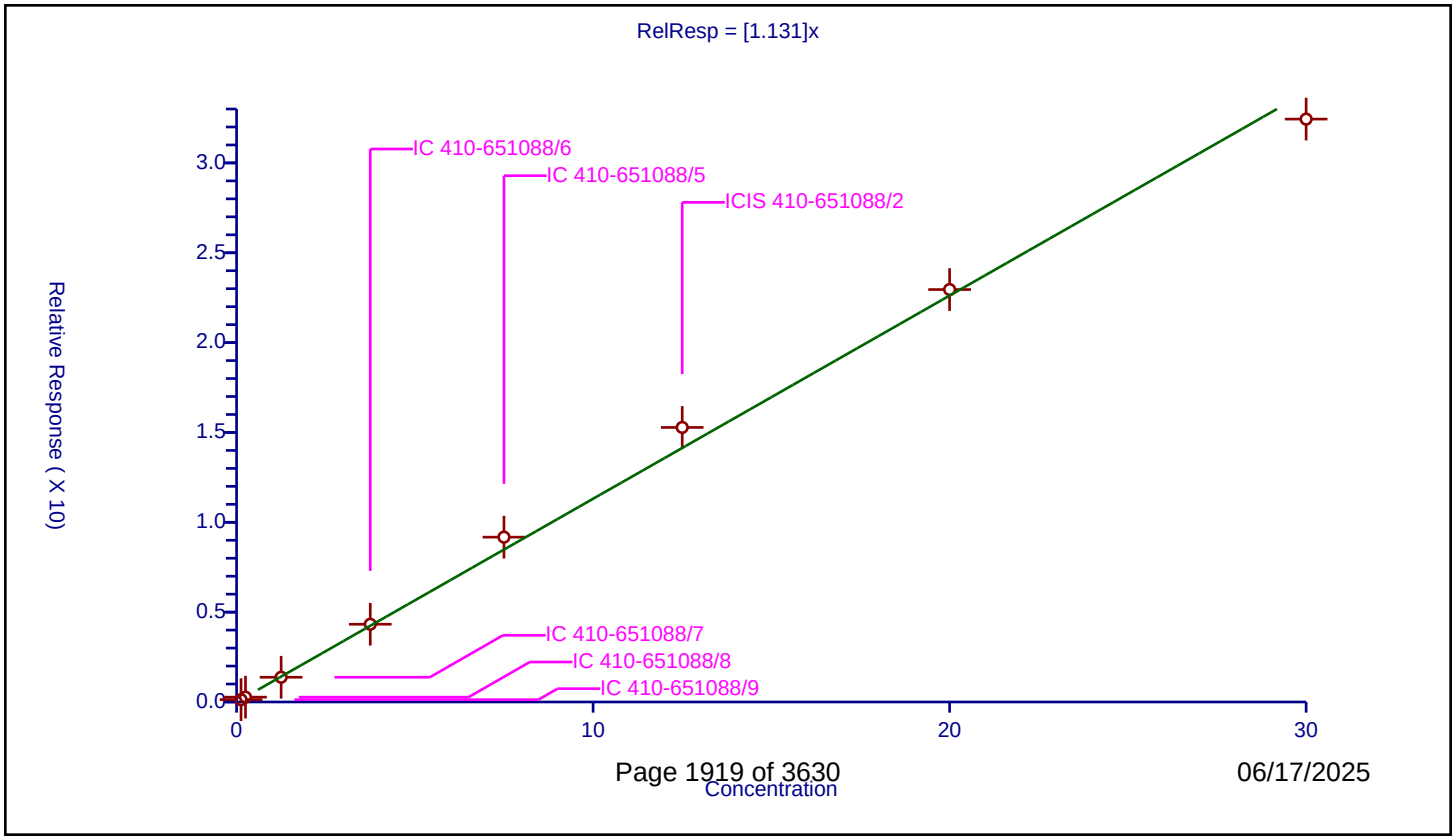
Curve Coefficients

Intercept:	0
Slope:	1.131

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.130144	5.0	589925.0	1.041149	Y
2	IC 410-651088/8	0.25	0.268931	5.0	642545.0	1.075722	Y
3	IC 410-651088/7	1.25	1.376788	5.0	625986.0	1.10143	Y
4	IC 410-651088/6	3.75	4.326618	5.0	602481.0	1.153765	Y
5	IC 410-651088/5	7.5	9.174001	5.0	749910.0	1.2232	Y
6	ICIS 410-651088/2	12.5	15.279128	5.0	858801.0	1.22233	Y
7	IC 410-651088/4	20.0	22.953613	5.0	655966.0	1.147681	Y
8	IC 410-651088/3	30.0	32.438398	5.0	666335.0	1.08128	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

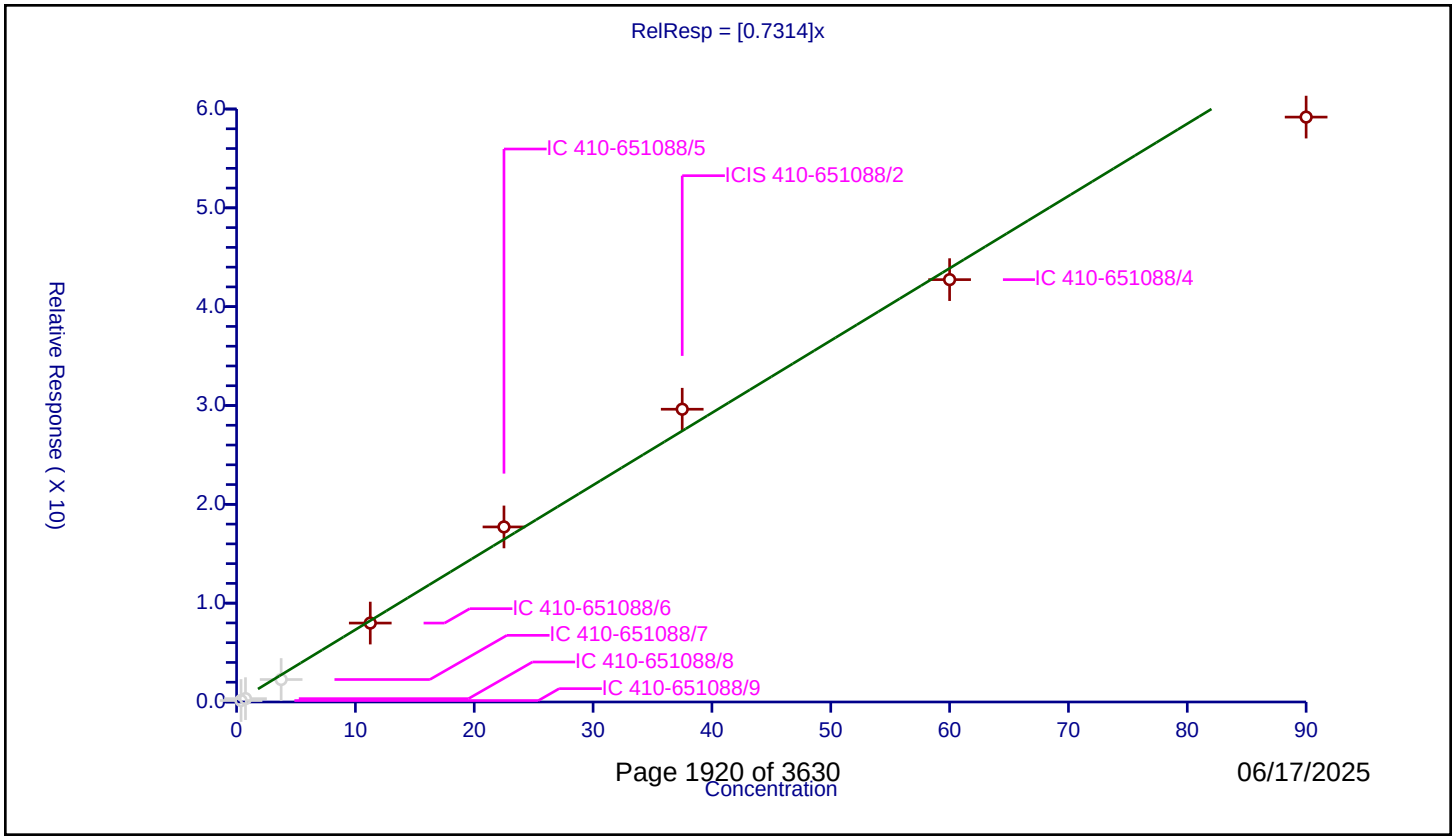
Curve Coefficients

Intercept:	0
Slope:	0.7314

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.375	0.147451	5.0	569682.0	0.393202	N
2	IC 410-651088/8	0.75	0.338923	5.0	650237.0	0.451897	N
3	IC 410-651088/7	3.75	2.273718	5.0	637500.0	0.606325	N
4	IC 410-651088/6	11.25	7.98555	5.0	620400.0	0.709827	Y
5	IC 410-651088/5	22.5	17.712391	5.0	772079.0	0.787217	Y
6	ICIS 410-651088/2	37.5	29.623613	5.0	880956.0	0.789963	Y
7	IC 410-651088/4	60.0	42.736158	5.0	642810.0	0.712269	Y
8	IC 410-651088/3	90.0	59.183038	5.0	636156.0	0.657589	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

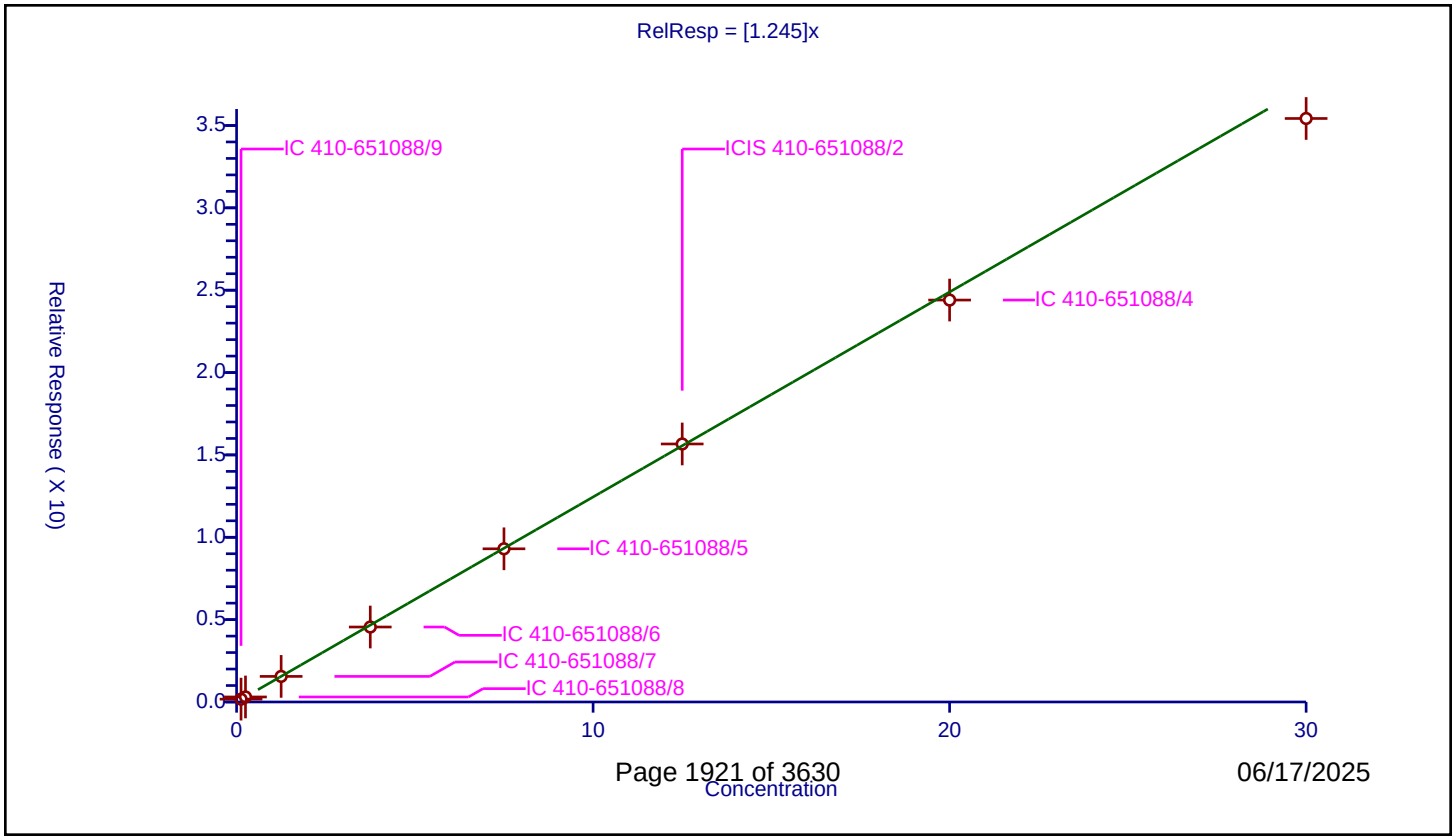
Curve Coefficients

Intercept:	0
Slope:	1.245

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.172991	5.0	569682.0	1.38393	Y
2	IC 410-651088/8	0.25	0.305504	5.0	650237.0	1.222016	Y
3	IC 410-651088/7	1.25	1.55349	5.0	637500.0	1.242792	Y
4	IC 410-651088/6	3.75	4.551338	5.0	620400.0	1.21369	Y
5	IC 410-651088/5	7.5	9.300901	5.0	772079.0	1.24012	Y
6	ICIS 410-651088/2	12.5	15.663575	5.0	880956.0	1.253086	Y
7	IC 410-651088/4	20.0	24.401526	5.0	642810.0	1.220076	Y
8	IC 410-651088/3	30.0	35.425006	5.0	636156.0	1.180834	Y



Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

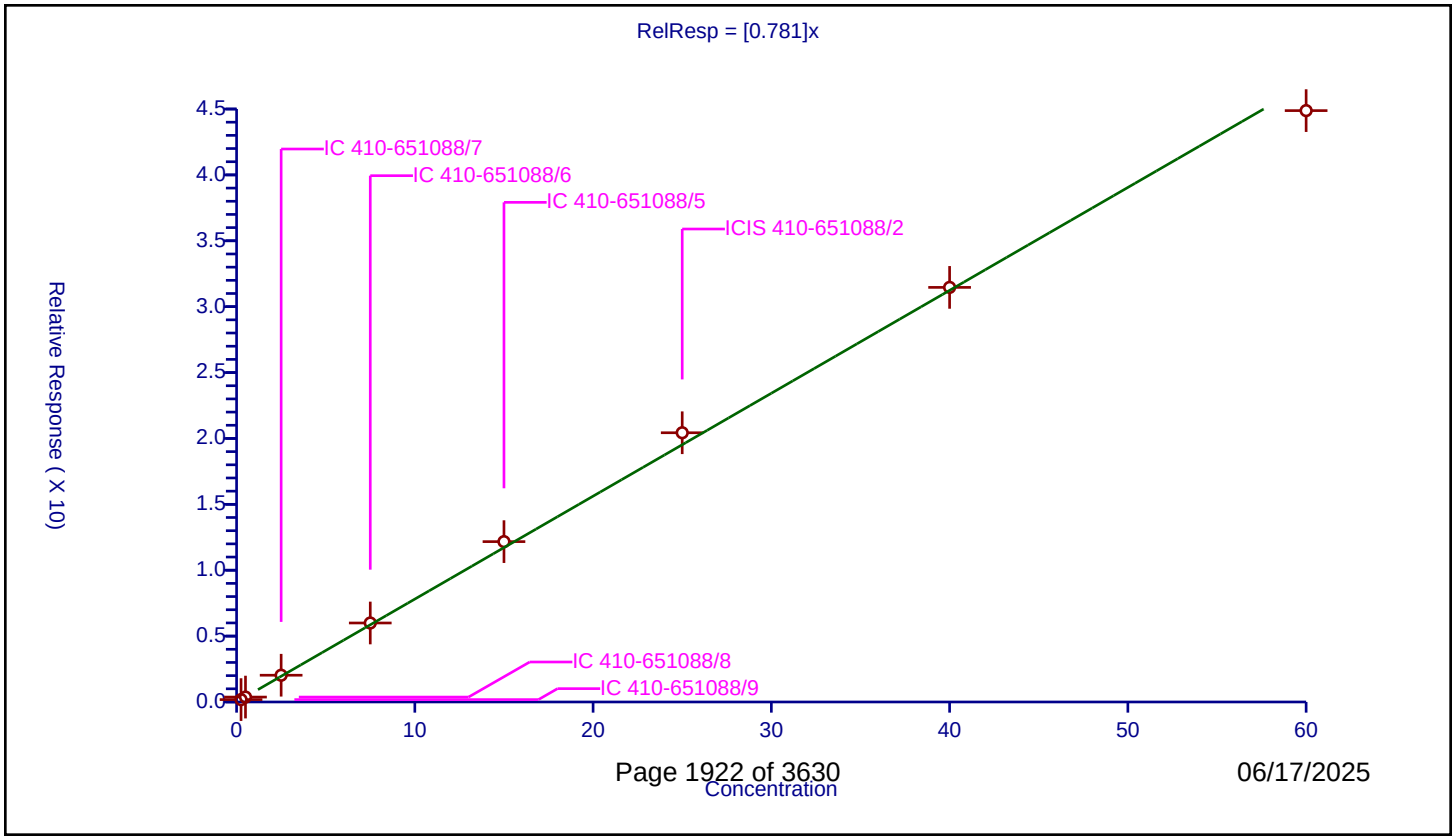
Curve Coefficients

Intercept:	0
Slope:	0.781

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.25	0.182084	5.0	569682.0	0.728336	Y
2	IC 410-651088/8	0.5	0.372426	5.0	650237.0	0.744851	Y
3	IC 410-651088/7	2.5	2.030275	5.0	637500.0	0.81211	Y
4	IC 410-651088/6	7.5	5.994399	5.0	620400.0	0.799253	Y
5	IC 410-651088/5	15.0	12.169623	5.0	772079.0	0.811308	Y
6	ICIS 410-651088/2	25.0	20.431361	5.0	880956.0	0.817254	Y
7	IC 410-651088/4	40.0	31.4631	5.0	642810.0	0.786577	Y
8	IC 410-651088/3	60.0	44.878646	5.0	636156.0	0.747977	Y



Calibration / p-Dimethylamino azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

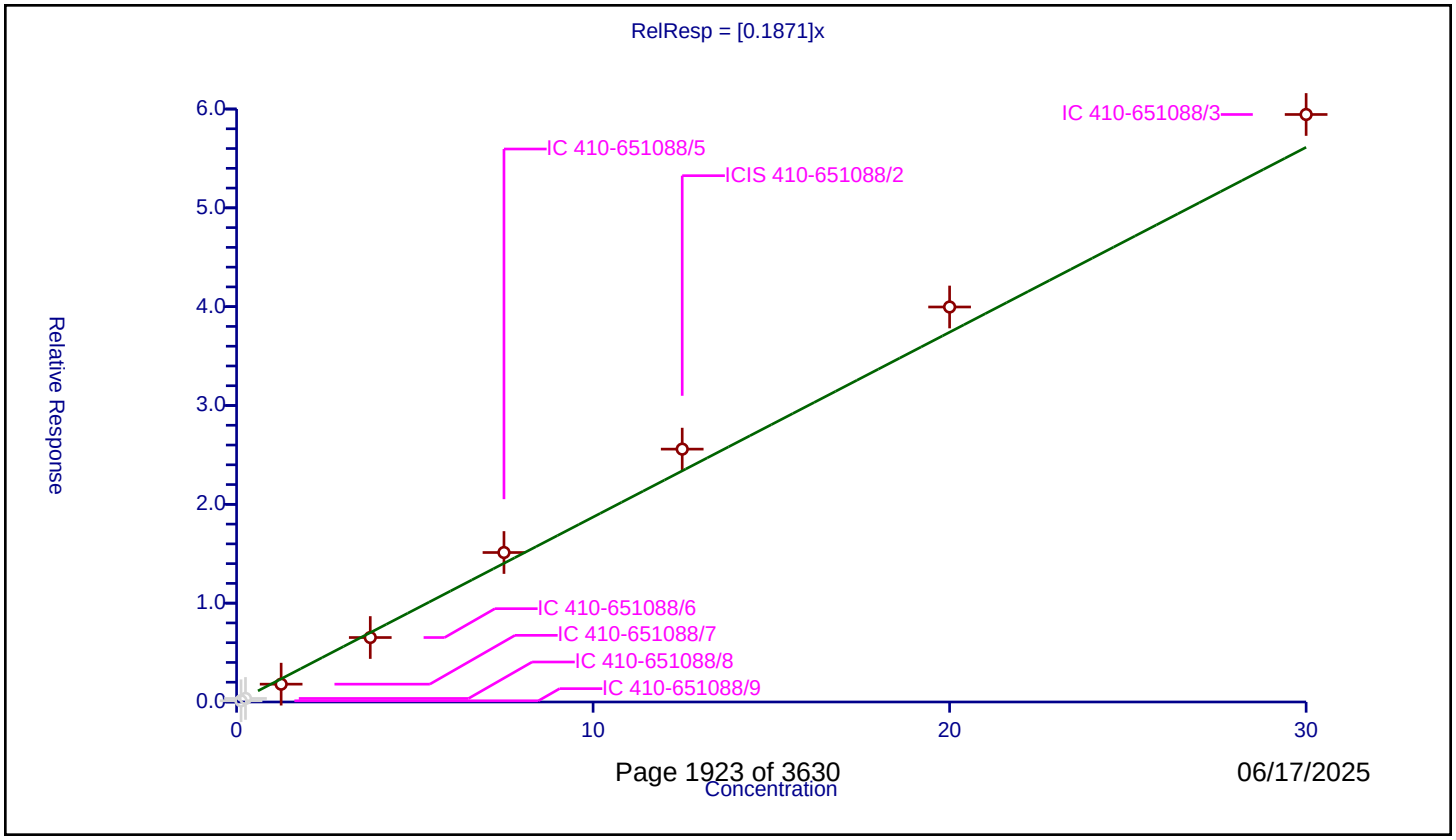
Curve Coefficients

Intercept:	0
Slope:	0.1871

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.012252	5.0	569682.0	0.09802	N
2	IC 410-651088/8	0.25	0.035718	5.0	650237.0	0.142871	N
3	IC 410-651088/7	1.25	0.180298	5.0	637500.0	0.144238	Y
4	IC 410-651088/6	3.75	0.652329	5.0	620400.0	0.173954	Y
5	IC 410-651088/5	7.5	1.512617	5.0	772079.0	0.201682	Y
6	ICIS 410-651088/2	12.5	2.558618	5.0	880956.0	0.204689	Y
7	IC 410-651088/4	20.0	3.996772	5.0	642810.0	0.199839	Y
8	IC 410-651088/3	30.0	5.944572	5.0	636156.0	0.198152	Y



Calibration / Chlorobenzilate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

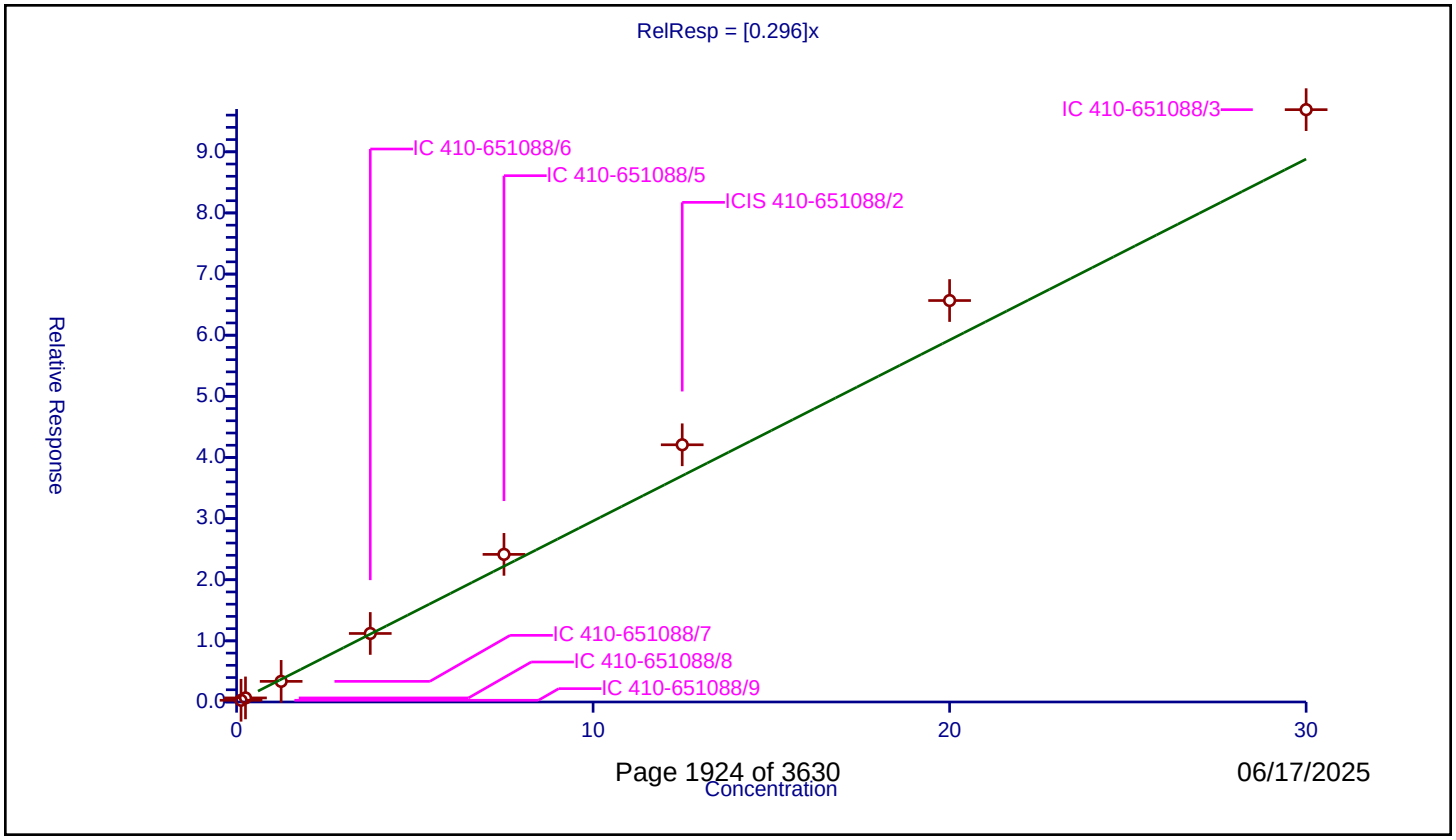
Curve Coefficients

Intercept:	0
Slope:	0.296

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.028024	5.0	569682.0	0.224195	Y
2	IC 410-651088/8	0.25	0.066383	5.0	650237.0	0.265534	Y
3	IC 410-651088/7	1.25	0.337208	5.0	637500.0	0.269766	Y
4	IC 410-651088/6	3.75	1.121043	5.0	620400.0	0.298945	Y
5	IC 410-651088/5	7.5	2.414623	5.0	772079.0	0.32195	Y
6	ICIS 410-651088/2	12.5	4.207611	5.0	880956.0	0.336609	Y
7	IC 410-651088/4	20.0	6.567135	5.0	642810.0	0.328357	Y
8	IC 410-651088/3	30.0	9.689329	5.0	636156.0	0.322978	Y



Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

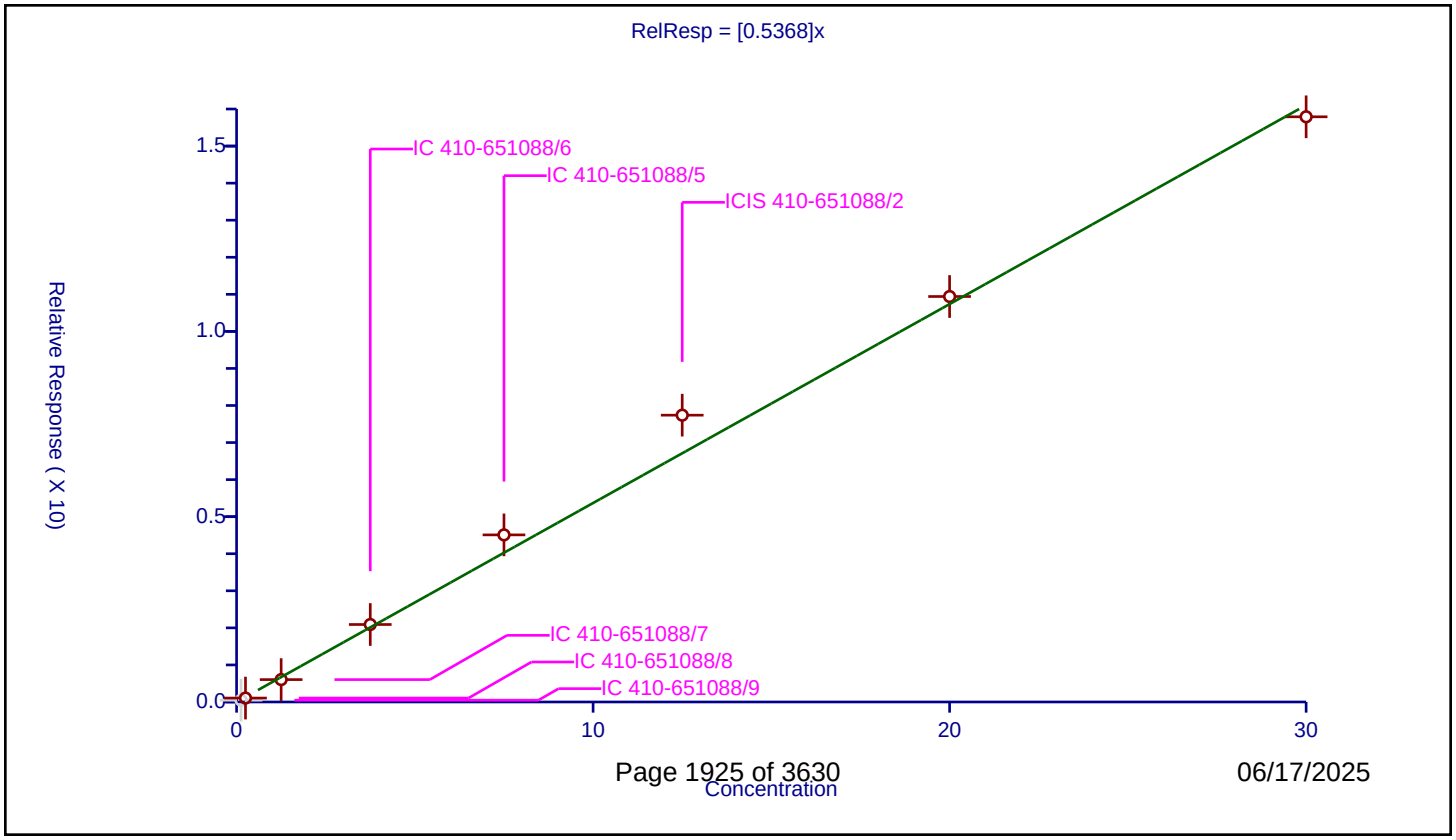
Curve Coefficients

Intercept:	0
Slope:	0.5368

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.048352	5.0	569682.0	0.386812	N
2	IC 410-651088/8	0.25	0.105838	5.0	650237.0	0.423353	Y
3	IC 410-651088/7	1.25	0.604133	5.0	637500.0	0.483307	Y
4	IC 410-651088/6	3.75	2.090893	5.0	620400.0	0.557571	Y
5	IC 410-651088/5	7.5	4.508768	5.0	772079.0	0.601169	Y
6	ICIS 410-651088/2	12.5	7.738854	5.0	880956.0	0.619108	Y
7	IC 410-651088/4	20.0	10.940628	5.0	642810.0	0.547031	Y
8	IC 410-651088/3	30.0	15.790105	5.0	636156.0	0.526337	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

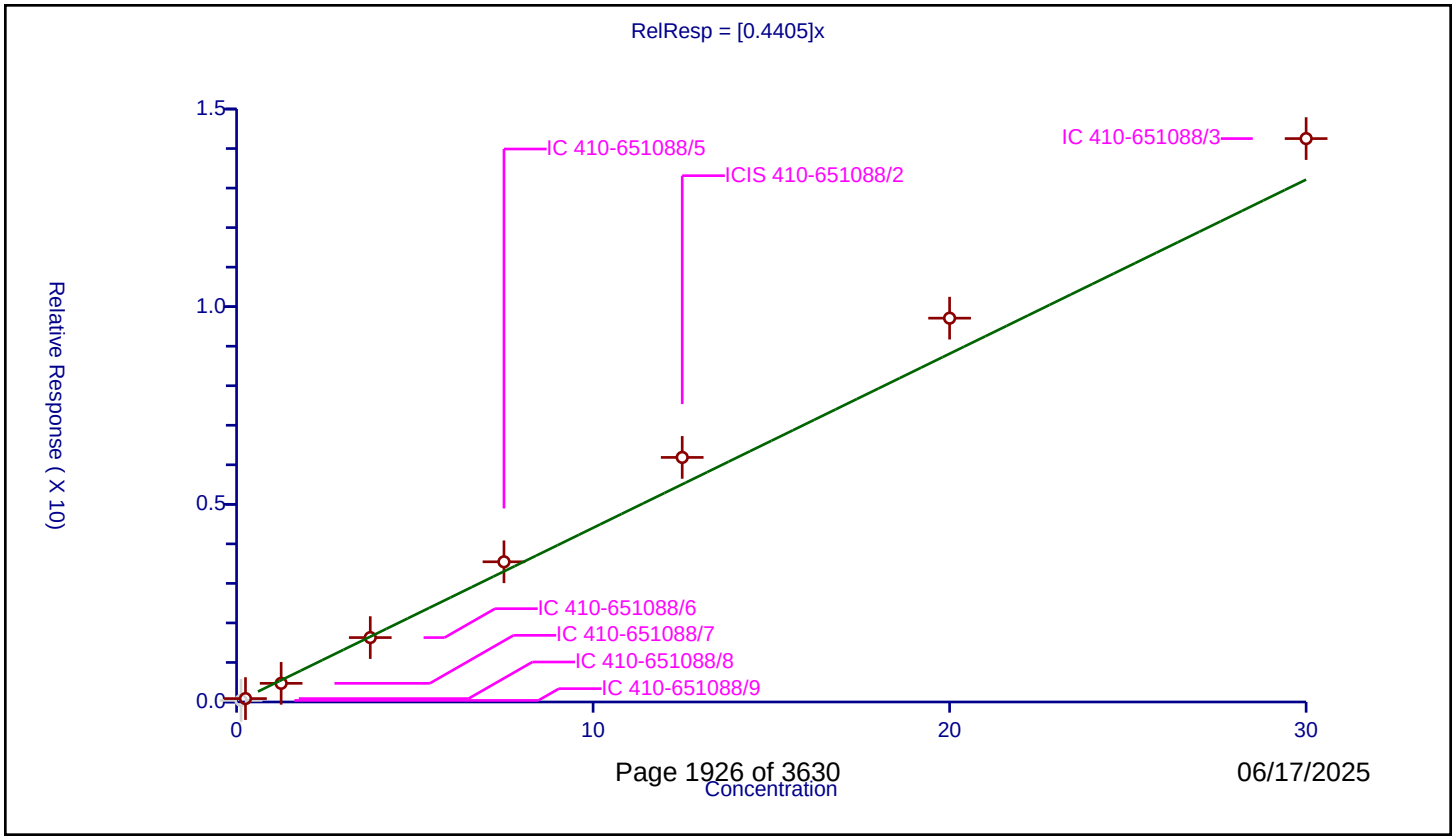
Curve Coefficients

Intercept:	0
Slope:	0.4405

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.039829	5.0	569682.0	0.318634	N
2	IC 410-651088/8	0.25	0.085784	5.0	650237.0	0.343136	Y
3	IC 410-651088/7	1.25	0.471976	5.0	637500.0	0.377581	Y
4	IC 410-651088/6	3.75	1.62911	5.0	620400.0	0.434429	Y
5	IC 410-651088/5	7.5	3.546192	5.0	772079.0	0.472826	Y
6	ICIS 410-651088/2	12.5	6.186836	5.0	880956.0	0.494947	Y
7	IC 410-651088/4	20.0	9.709066	5.0	642810.0	0.485453	Y
8	IC 410-651088/3	30.0	14.251968	5.0	636156.0	0.475066	Y



Calibration / 2-Acetylaminofluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

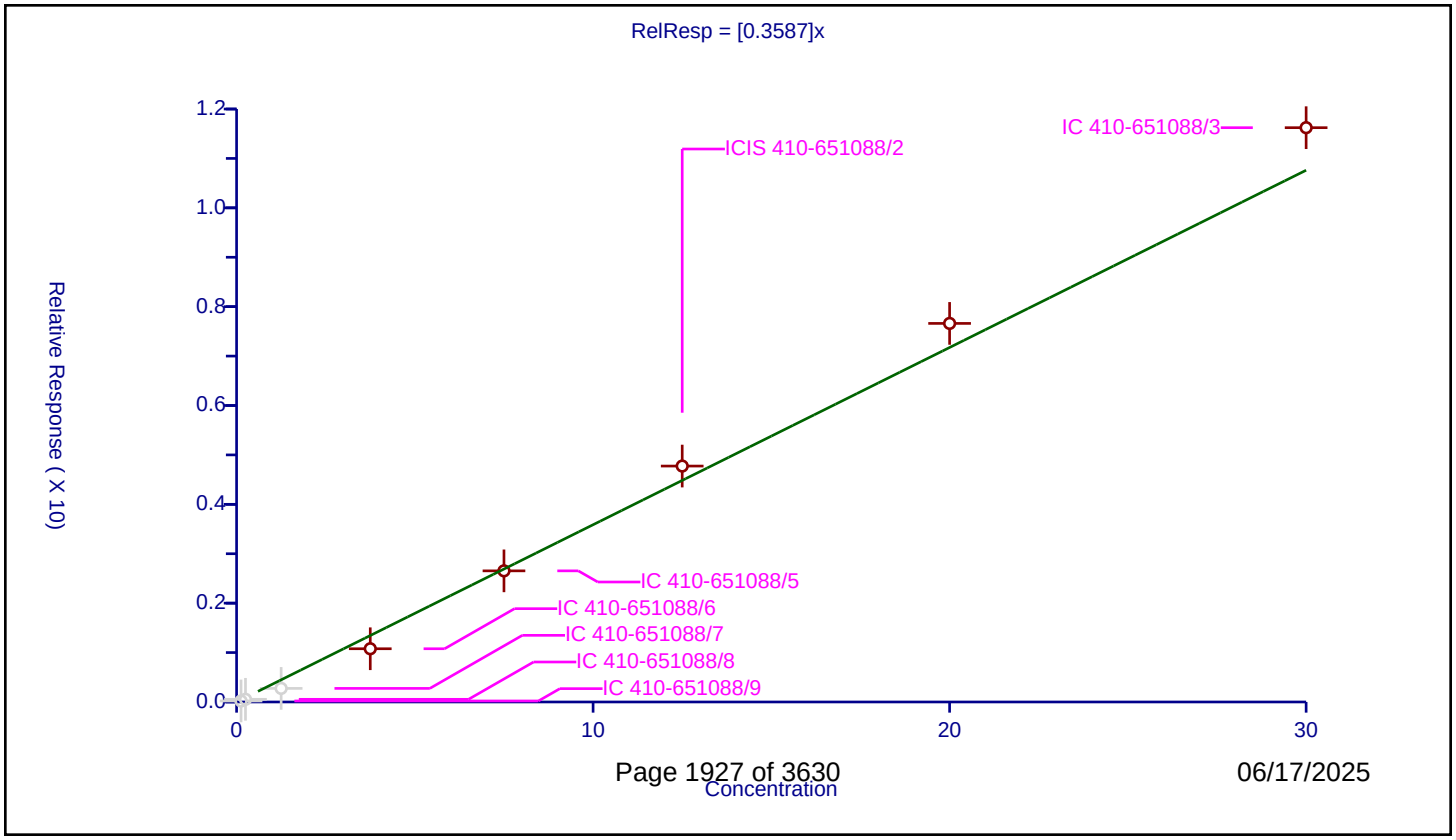
Curve Coefficients

Intercept:	0
Slope:	0.3587

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.020924	5.0	569682.0	0.167392	N
2	IC 410-651088/8	0.25	0.054234	5.0	650237.0	0.216936	N
3	IC 410-651088/7	1.25	0.275208	5.0	637500.0	0.220166	N
4	IC 410-651088/6	3.75	1.07716	5.0	620400.0	0.287243	Y
5	IC 410-651088/5	7.5	2.653809	5.0	772079.0	0.353841	Y
6	ICIS 410-651088/2	12.5	4.774523	5.0	880956.0	0.381962	Y
7	IC 410-651088/4	20.0	7.661058	5.0	642810.0	0.383053	Y
8	IC 410-651088/3	30.0	11.622212	5.0	636156.0	0.387407	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

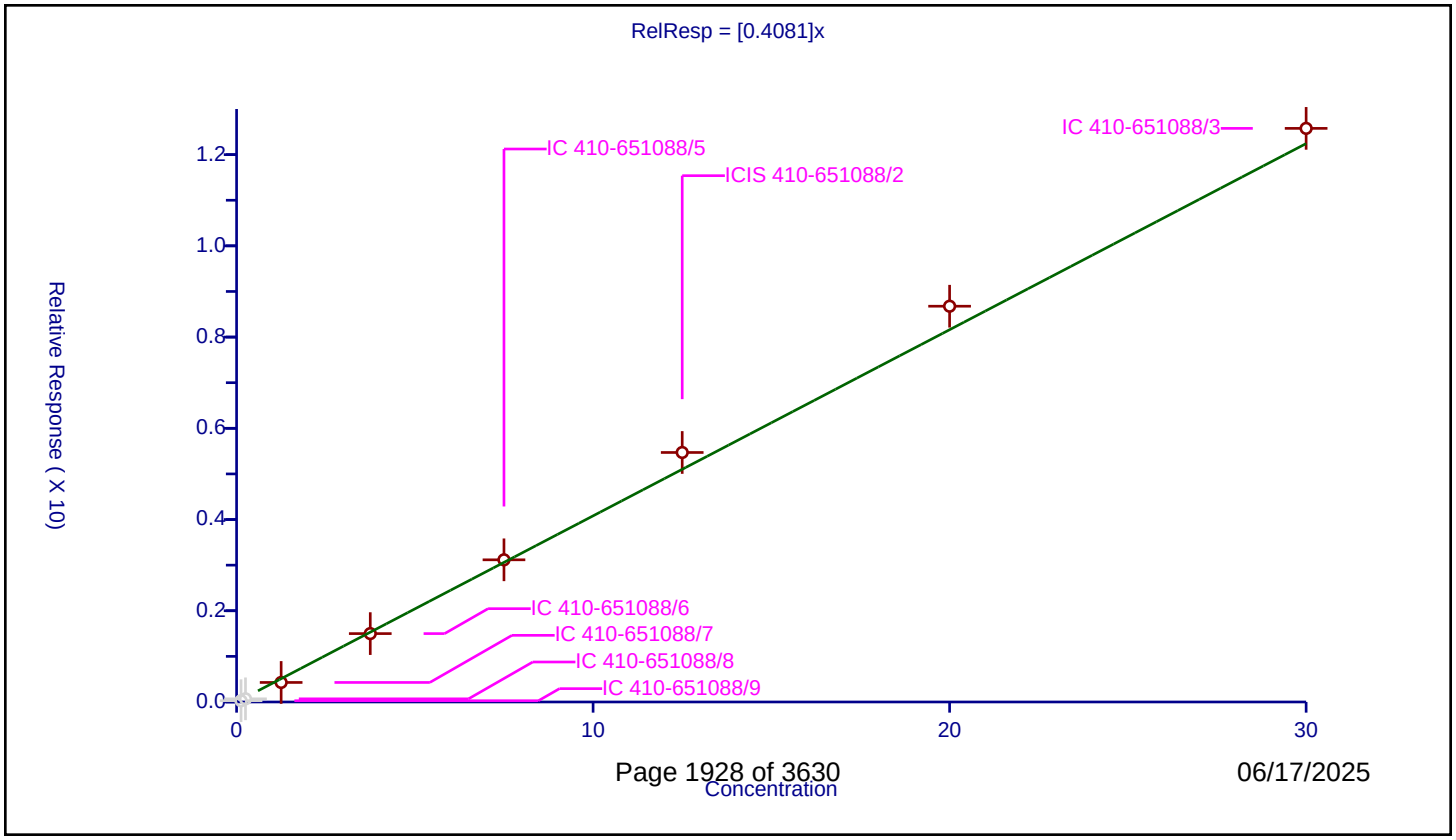
Curve Coefficients

Intercept:	0
Slope:	0.4081

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.027779	5.0	569682.0	0.222229	N
2	IC 410-651088/8	0.25	0.069229	5.0	650237.0	0.276914	N
3	IC 410-651088/7	1.25	0.428055	5.0	637500.0	0.342444	Y
4	IC 410-651088/6	3.75	1.499468	5.0	620400.0	0.399858	Y
5	IC 410-651088/5	7.5	3.116695	5.0	772079.0	0.415559	Y
6	ICIS 410-651088/2	12.5	5.469853	5.0	880956.0	0.437588	Y
7	IC 410-651088/4	20.0	8.676934	5.0	642810.0	0.433847	Y
8	IC 410-651088/3	30.0	12.575414	5.0	636156.0	0.41918	Y



Calibration / 4,4'-Methylene bis(2-chloroaniline)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

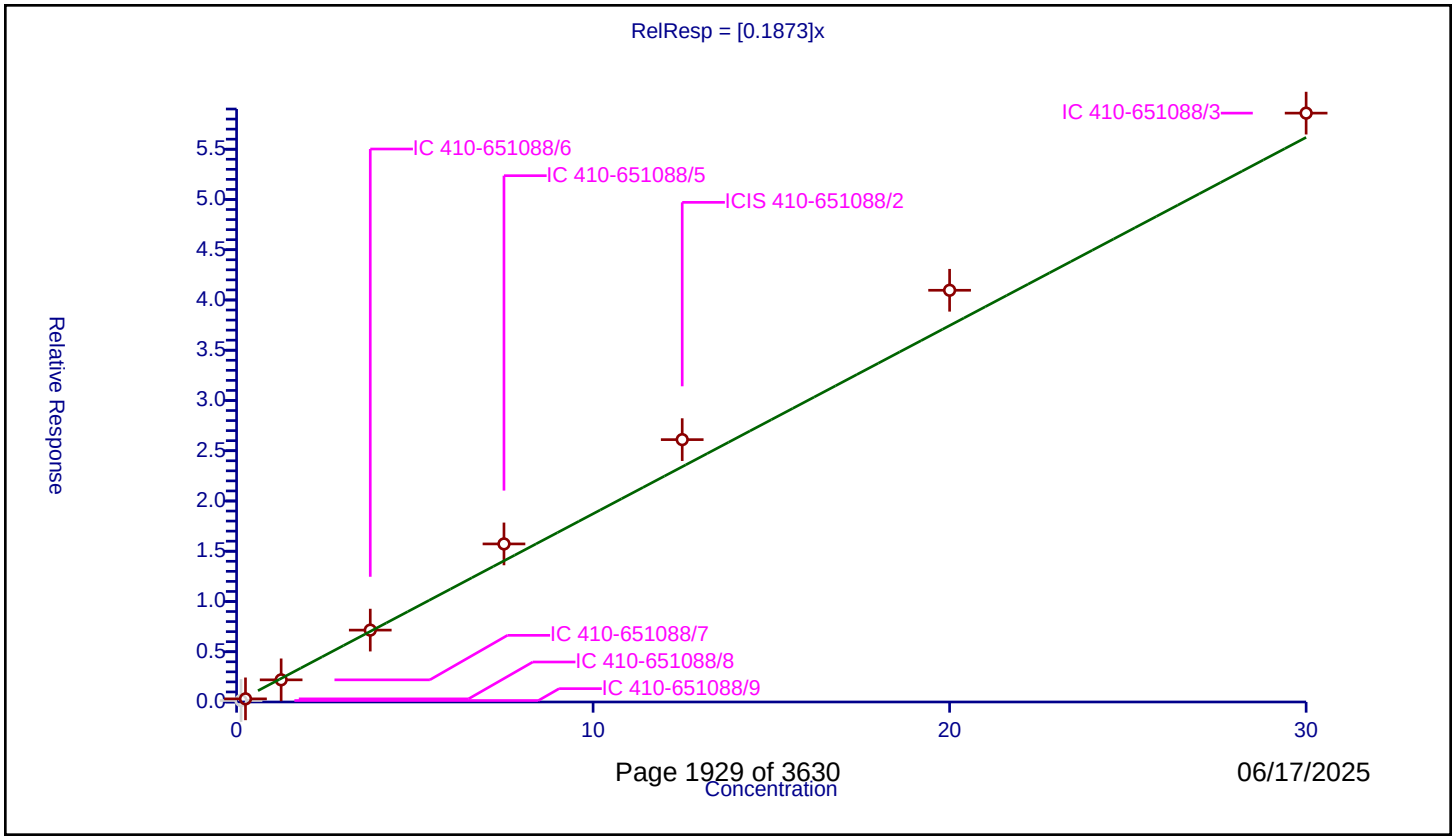
Curve Coefficients

Intercept:	0
Slope:	0.1873

Error Coefficients

Relative Standard Deviation:	15.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.014649	5.0	569682.0	0.117188	N
2	IC 410-651088/8	0.25	0.031304	5.0	650237.0	0.125216	Y
3	IC 410-651088/7	1.25	0.220314	5.0	637500.0	0.176251	Y
4	IC 410-651088/6	3.75	0.715063	5.0	620400.0	0.190683	Y
5	IC 410-651088/5	7.5	1.572734	5.0	772079.0	0.209698	Y
6	ICIS 410-651088/2	12.5	2.61055	5.0	880956.0	0.208844	Y
7	IC 410-651088/4	20.0	4.096568	5.0	642810.0	0.204828	Y
8	IC 410-651088/3	30.0	5.859035	5.0	636156.0	0.195301	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

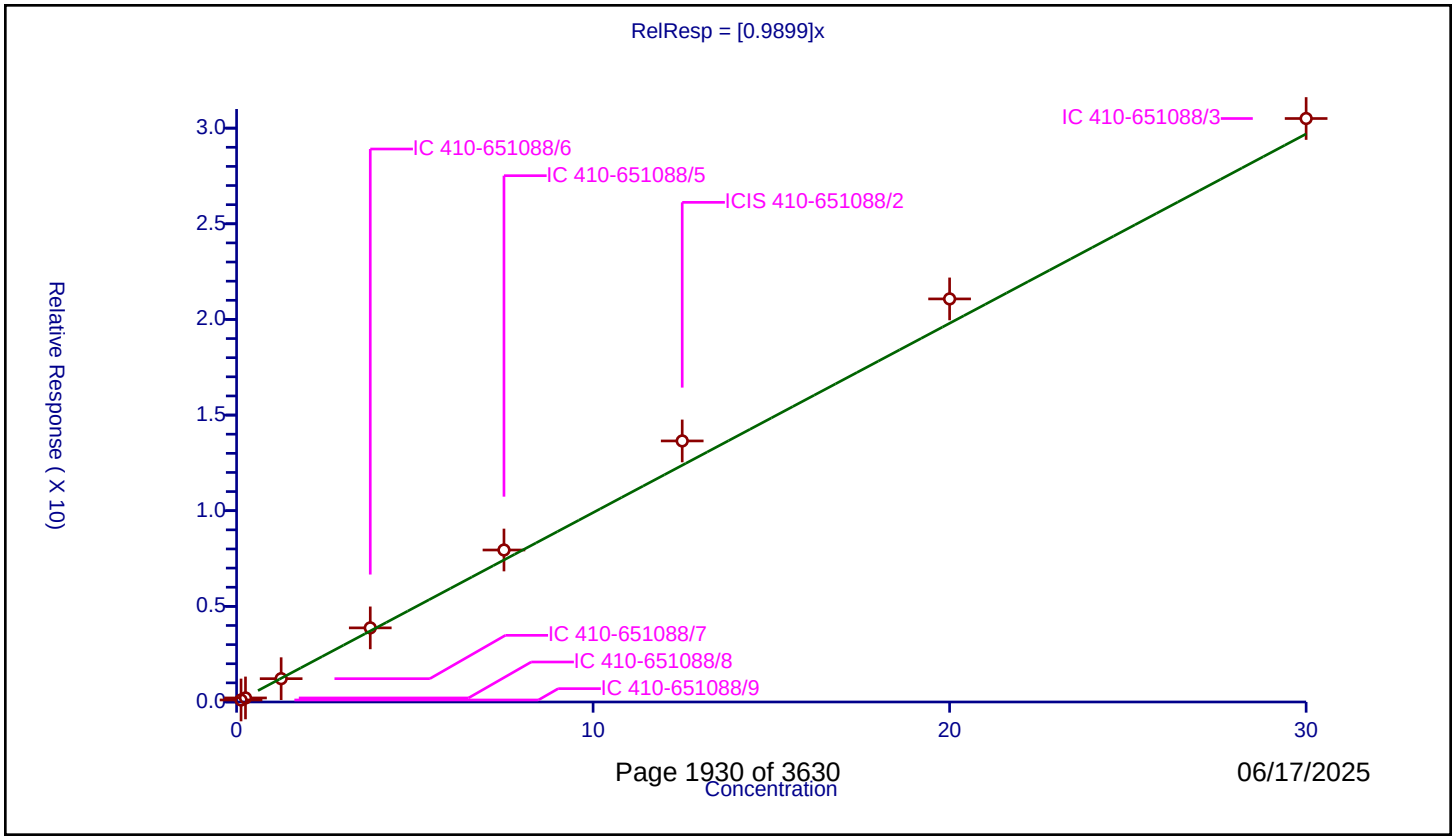
Curve Coefficients

Intercept:	0
Slope:	0.9899

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.10519	5.0	569682.0	0.841522	Y
2	IC 410-651088/8	0.25	0.211884	5.0	650237.0	0.847537	Y
3	IC 410-651088/7	1.25	1.219741	5.0	637500.0	0.975793	Y
4	IC 410-651088/6	3.75	3.874436	5.0	620400.0	1.033183	Y
5	IC 410-651088/5	7.5	7.945107	5.0	772079.0	1.059348	Y
6	ICIS 410-651088/2	12.5	13.647259	5.0	880956.0	1.091781	Y
7	IC 410-651088/4	20.0	21.072432	5.0	642810.0	1.053622	Y
8	IC 410-651088/3	30.0	30.503469	5.0	636156.0	1.016782	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

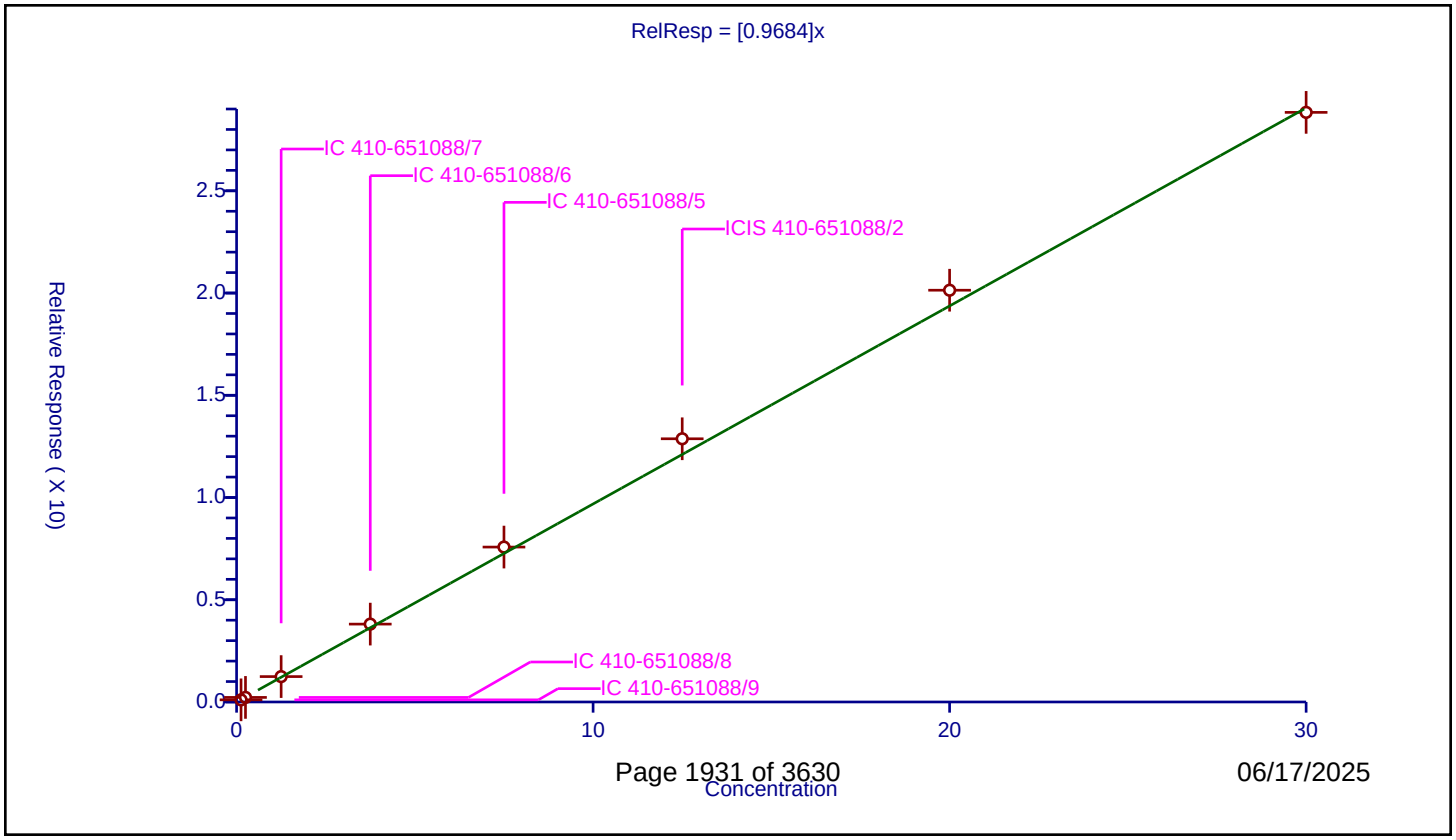
Curve Coefficients

Intercept:	0
Slope:	0.9684

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.104374	5.0	569682.0	0.834992	Y
2	IC 410-651088/8	0.25	0.223834	5.0	650237.0	0.895335	Y
3	IC 410-651088/7	1.25	1.241553	5.0	637500.0	0.993242	Y
4	IC 410-651088/6	3.75	3.809236	5.0	620400.0	1.015796	Y
5	IC 410-651088/5	7.5	7.576964	5.0	772079.0	1.010262	Y
6	ICIS 410-651088/2	12.5	12.872277	5.0	880956.0	1.029782	Y
7	IC 410-651088/4	20.0	20.137661	5.0	642810.0	1.006883	Y
8	IC 410-651088/3	30.0	28.835215	5.0	636156.0	0.961174	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

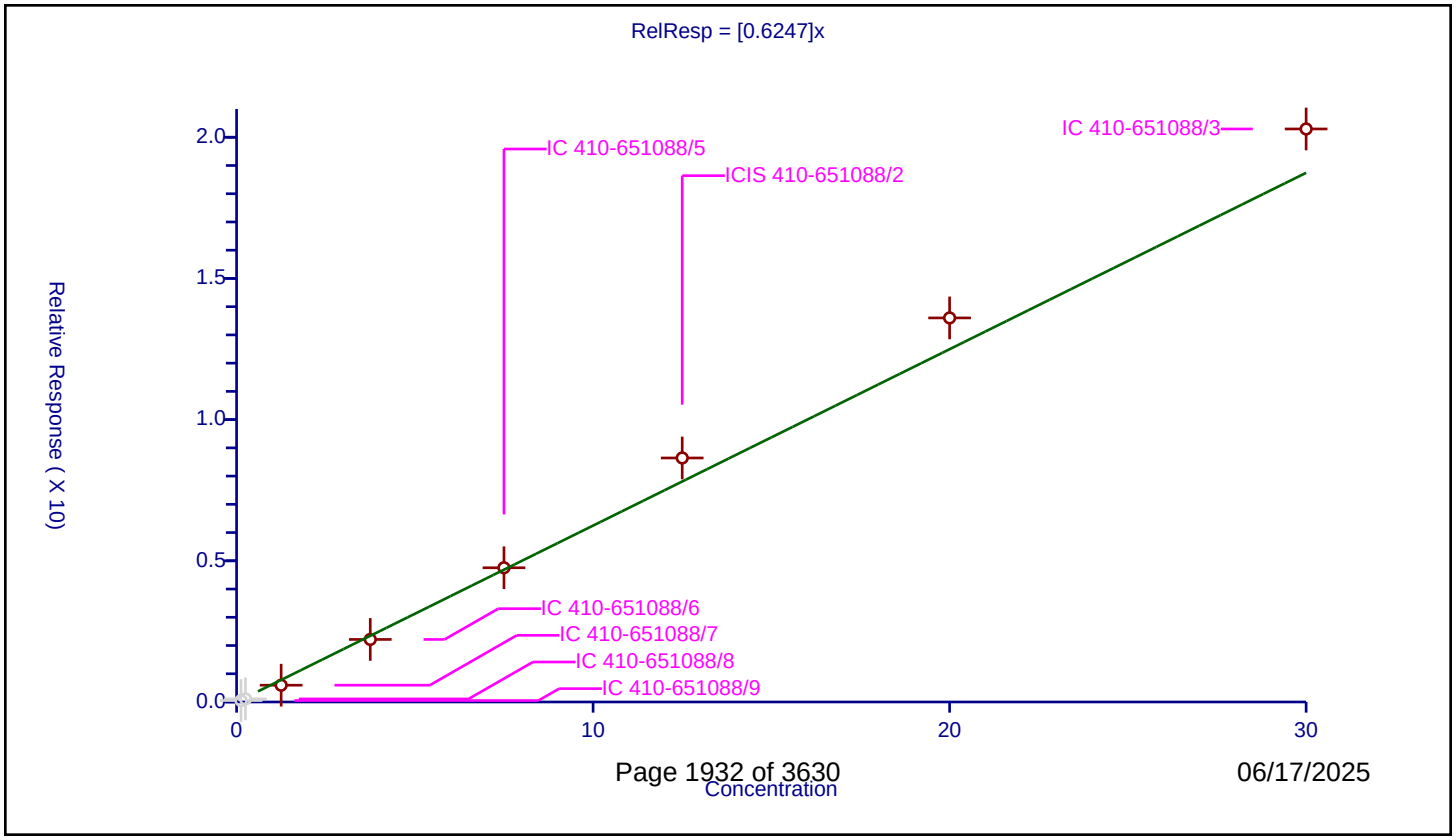
Curve Coefficients

Intercept:	0
Slope:	0.6247

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.051064	5.0	569682.0	0.408509	N
2	IC 410-651088/8	0.25	0.107845	5.0	650237.0	0.431381	N
3	IC 410-651088/7	1.25	0.594651	5.0	637500.0	0.475721	Y
4	IC 410-651088/6	3.75	2.214998	5.0	620400.0	0.590666	Y
5	IC 410-651088/5	7.5	4.753626	5.0	772079.0	0.633817	Y
6	ICIS 410-651088/2	12.5	8.641958	5.0	880956.0	0.691357	Y
7	IC 410-651088/4	20.0	13.601375	5.0	642810.0	0.680069	Y
8	IC 410-651088/3	30.0	20.293623	5.0	636156.0	0.676454	Y



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Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

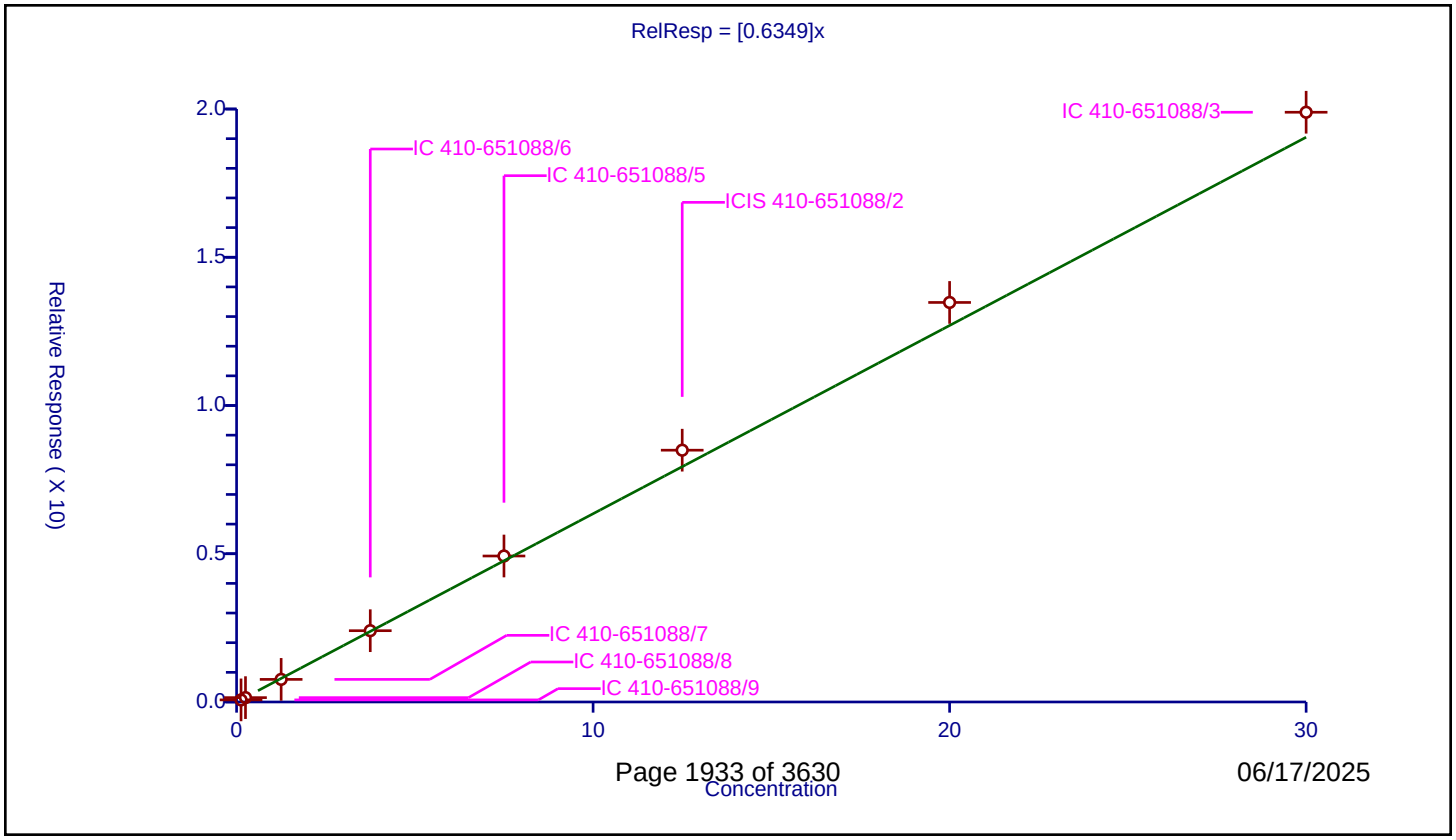
Curve Coefficients

Intercept:	0
Slope:	0.6349

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.070908	5.0	569682.0	0.567264	Y
2	IC 410-651088/8	0.25	0.147146	5.0	650237.0	0.588585	Y
3	IC 410-651088/7	1.25	0.762408	5.0	637500.0	0.609926	Y
4	IC 410-651088/6	3.75	2.404207	5.0	620400.0	0.641122	Y
5	IC 410-651088/5	7.5	4.923531	5.0	772079.0	0.656471	Y
6	ICIS 410-651088/2	12.5	8.492399	5.0	880956.0	0.679392	Y
7	IC 410-651088/4	20.0	13.475195	5.0	642810.0	0.67376	Y
8	IC 410-651088/3	30.0	19.891347	5.0	636156.0	0.663045	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

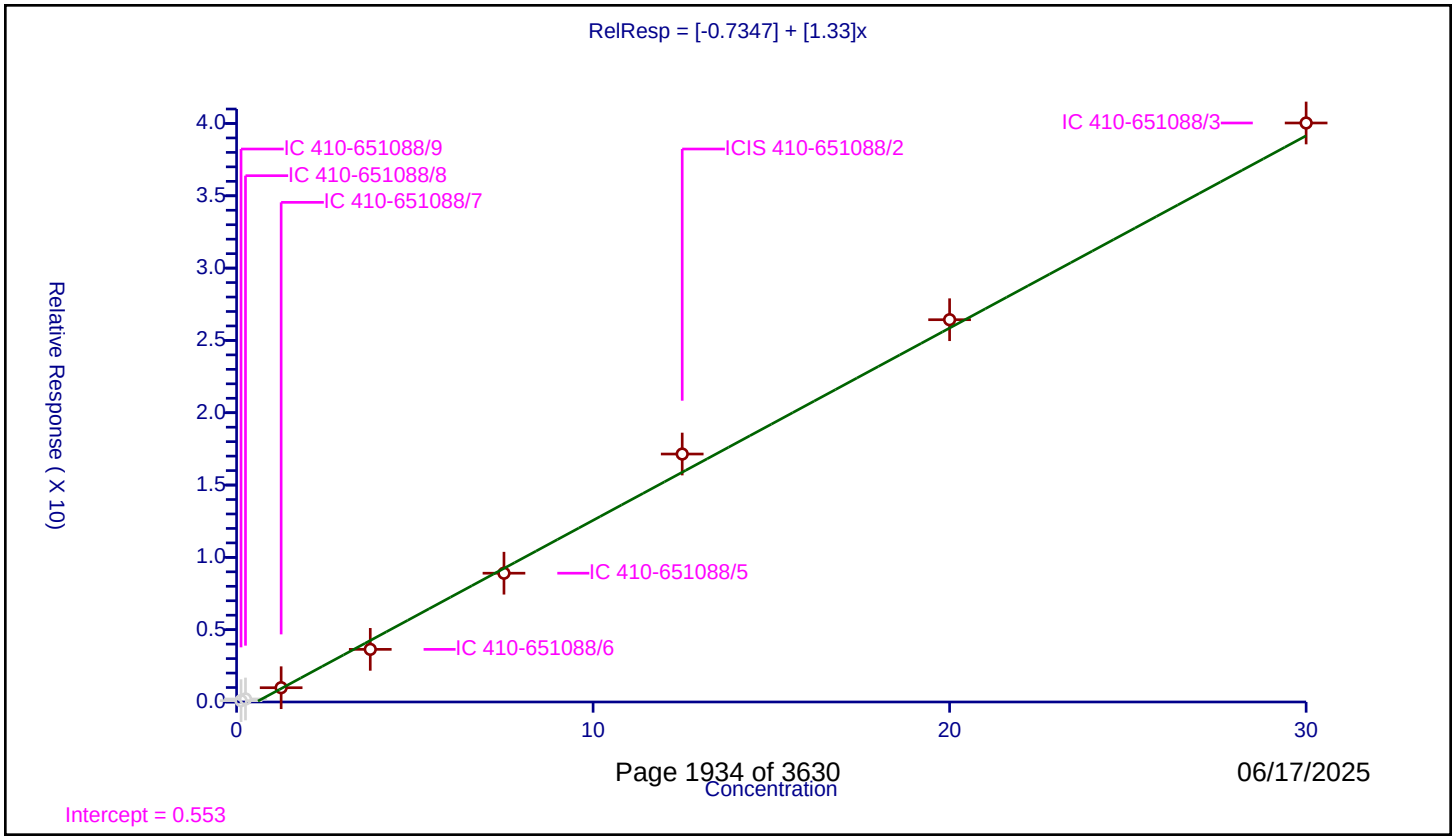
Curve Coefficients

Intercept:	-0.7347
Slope:	1.33

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.092097	5.0	418688.0	0.736778	N
2	IC 410-651088/8	0.25	0.207973	5.0	490233.0	0.83189	N
3	IC 410-651088/7	1.25	0.988216	5.0	502471.0	0.790573	Y
4	IC 410-651088/6	3.75	3.638318	5.0	500675.0	0.970218	Y
5	IC 410-651088/5	7.5	8.904726	5.0	600334.0	1.187297	Y
6	ICIS 410-651088/2	12.5	17.144261	5.0	673950.0	1.371541	Y
7	IC 410-651088/4	20.0	26.432365	5.0	496539.0	1.321618	Y
8	IC 410-651088/3	30.0	40.033818	5.0	494409.0	1.334461	Y



Calibration / 7,12-Dimethylbenz(a)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

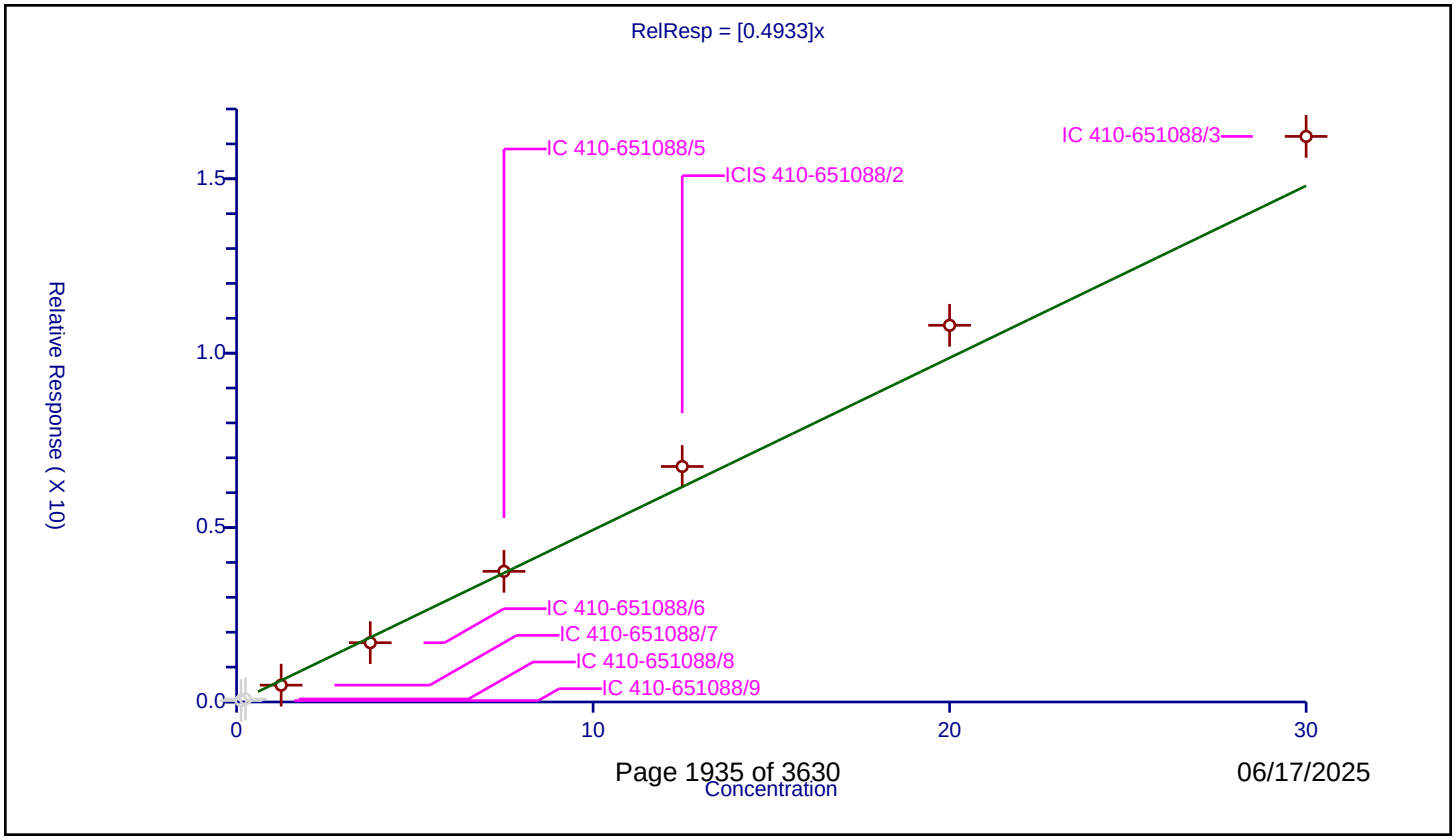
Curve Coefficients

Intercept:	0
Slope:	0.4933

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.040603	5.0	418688.0	0.324824	N
2	IC 410-651088/8	0.25	0.086112	5.0	490233.0	0.344448	N
3	IC 410-651088/7	1.25	0.482943	5.0	502471.0	0.386355	Y
4	IC 410-651088/6	3.75	1.700095	5.0	500675.0	0.453359	Y
5	IC 410-651088/5	7.5	3.74549	5.0	600334.0	0.499399	Y
6	ICIS 410-651088/2	12.5	6.751591	5.0	673950.0	0.540127	Y
7	IC 410-651088/4	20.0	10.799534	5.0	496539.0	0.539977	Y
8	IC 410-651088/3	30.0	16.215178	5.0	494409.0	0.540506	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

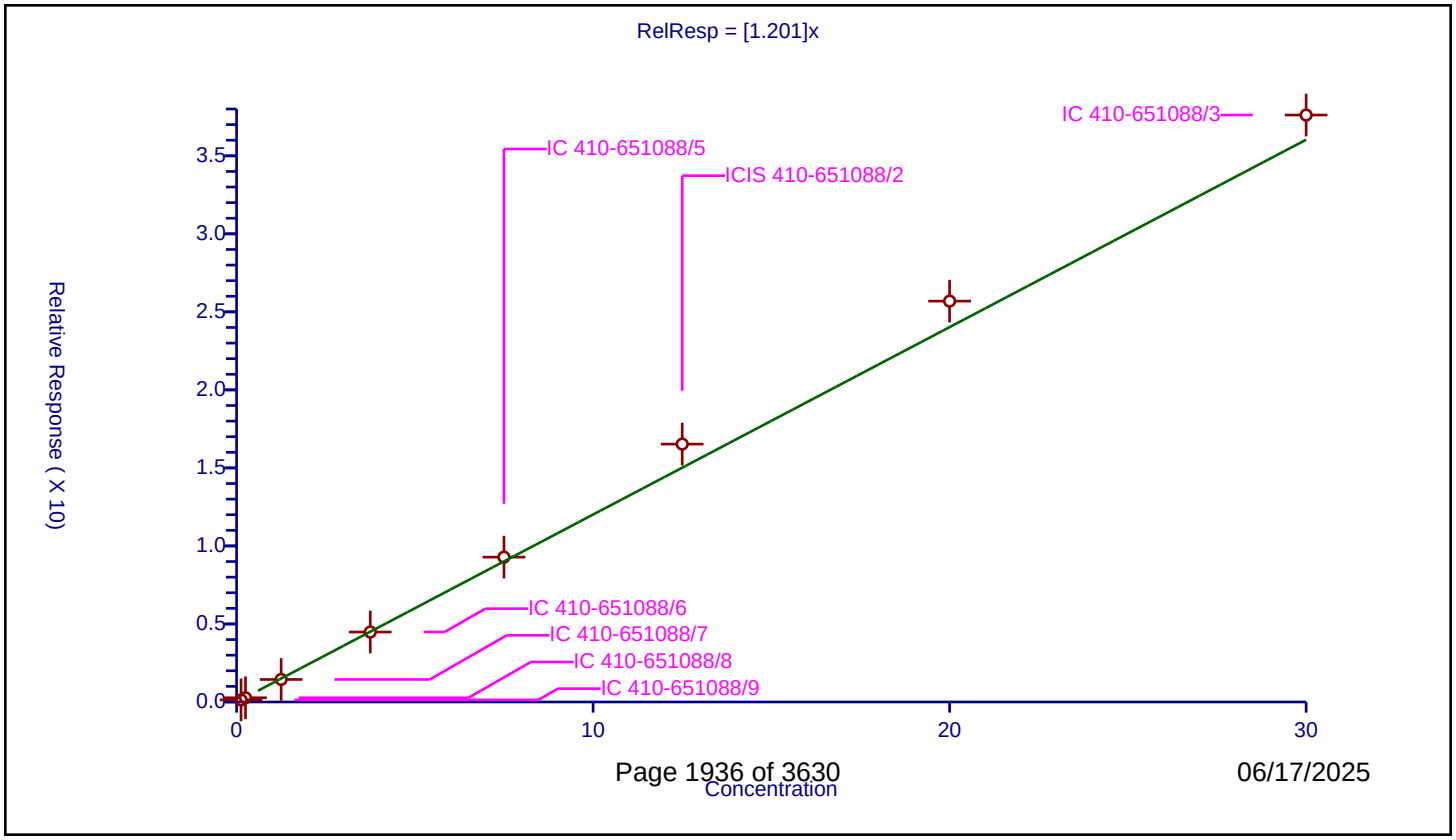
Curve Coefficients

Intercept:	0
Slope:	1.201

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.134635	5.0	418688.0	1.077079	Y
2	IC 410-651088/8	0.25	0.271096	5.0	490233.0	1.084382	Y
3	IC 410-651088/7	1.25	1.44268	5.0	502471.0	1.154144	Y
4	IC 410-651088/6	3.75	4.482519	5.0	500675.0	1.195338	Y
5	IC 410-651088/5	7.5	9.281966	5.0	600334.0	1.237596	Y
6	ICIS 410-651088/2	12.5	16.5259	5.0	673950.0	1.322072	Y
7	IC 410-651088/4	20.0	25.68915	5.0	496539.0	1.284458	Y
8	IC 410-651088/3	30.0	37.614283	5.0	494409.0	1.253809	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

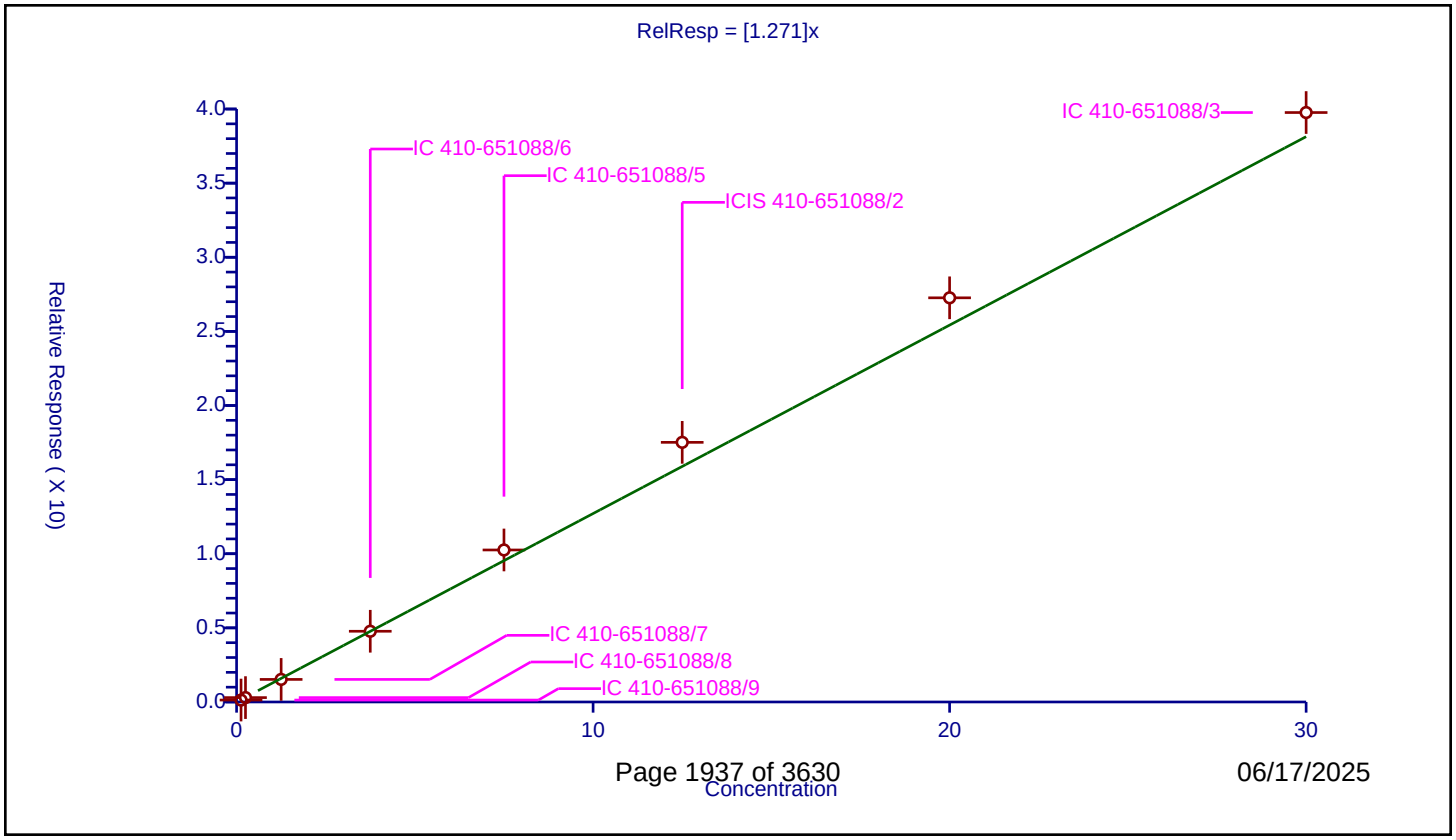
Curve Coefficients

Intercept:	0
Slope:	1.271

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.130121	5.0	418688.0	1.040966	Y
2	IC 410-651088/8	0.25	0.295237	5.0	490233.0	1.180949	Y
3	IC 410-651088/7	1.25	1.522665	5.0	502471.0	1.218132	Y
4	IC 410-651088/6	3.75	4.771209	5.0	500675.0	1.272322	Y
5	IC 410-651088/5	7.5	10.254042	5.0	600334.0	1.367206	Y
6	ICIS 410-651088/2	12.5	17.514749	5.0	673950.0	1.40118	Y
7	IC 410-651088/4	20.0	27.264807	5.0	496539.0	1.36324	Y
8	IC 410-651088/3	30.0	39.762747	5.0	494409.0	1.325425	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

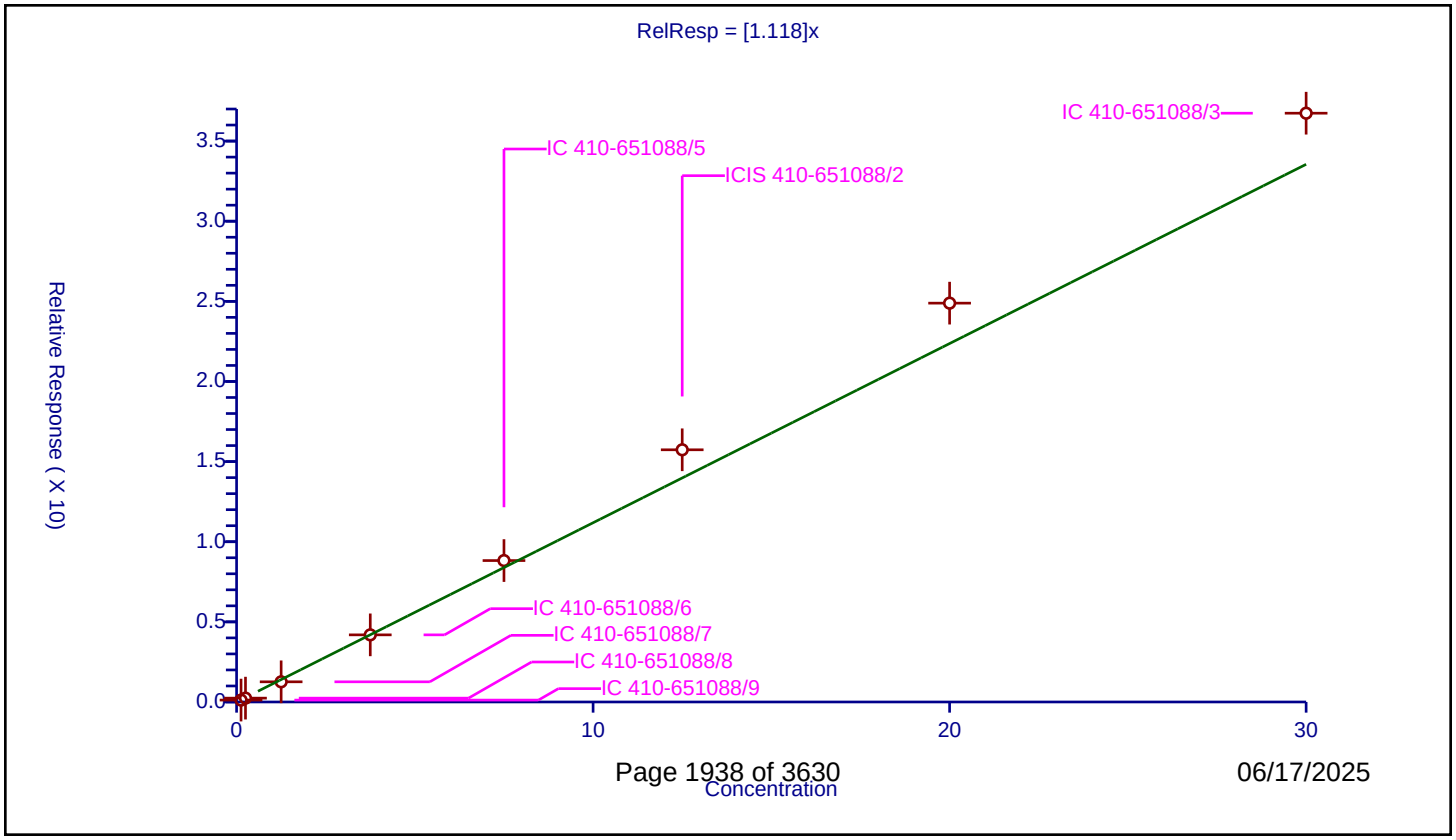
Curve Coefficients

Intercept:	0
Slope:	1.118

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.119313	5.0	418688.0	0.954506	Y
2	IC 410-651088/8	0.25	0.241059	5.0	490233.0	0.964235	Y
3	IC 410-651088/7	1.25	1.257933	5.0	502471.0	1.006347	Y
4	IC 410-651088/6	3.75	4.188496	5.0	500675.0	1.116932	Y
5	IC 410-651088/5	7.5	8.824663	5.0	600334.0	1.176622	Y
6	ICIS 410-651088/2	12.5	15.73642	5.0	673950.0	1.258914	Y
7	IC 410-651088/4	20.0	24.886958	5.0	496539.0	1.244348	Y
8	IC 410-651088/3	30.0	36.739157	5.0	494409.0	1.224639	Y



Calibration / 3-Methylcholanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

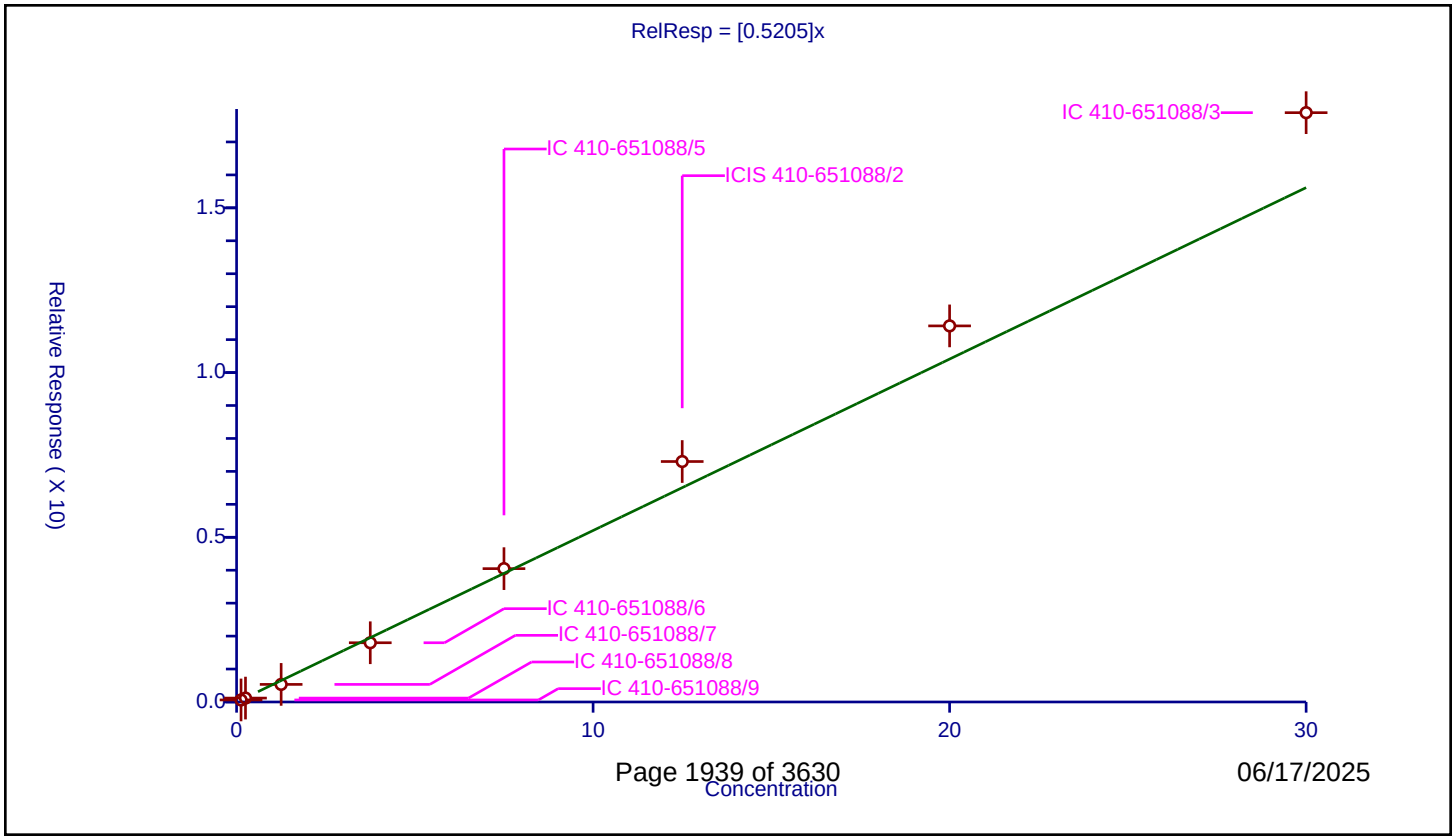
Curve Coefficients

Intercept:	0
Slope:	0.5205

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.061633	5.0	418688.0	0.493064	Y
2	IC 410-651088/8	0.25	0.11824	5.0	490233.0	0.472959	Y
3	IC 410-651088/7	1.25	0.53417	5.0	502471.0	0.427336	Y
4	IC 410-651088/6	3.75	1.798502	5.0	500675.0	0.479601	Y
5	IC 410-651088/5	7.5	4.047647	5.0	600334.0	0.539686	Y
6	ICIS 410-651088/2	12.5	7.299406	5.0	673950.0	0.583953	Y
7	IC 410-651088/4	20.0	11.416545	5.0	496539.0	0.570827	Y
8	IC 410-651088/3	30.0	17.889035	5.0	494409.0	0.596301	Y



Calibration / Dibenz[a,h]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

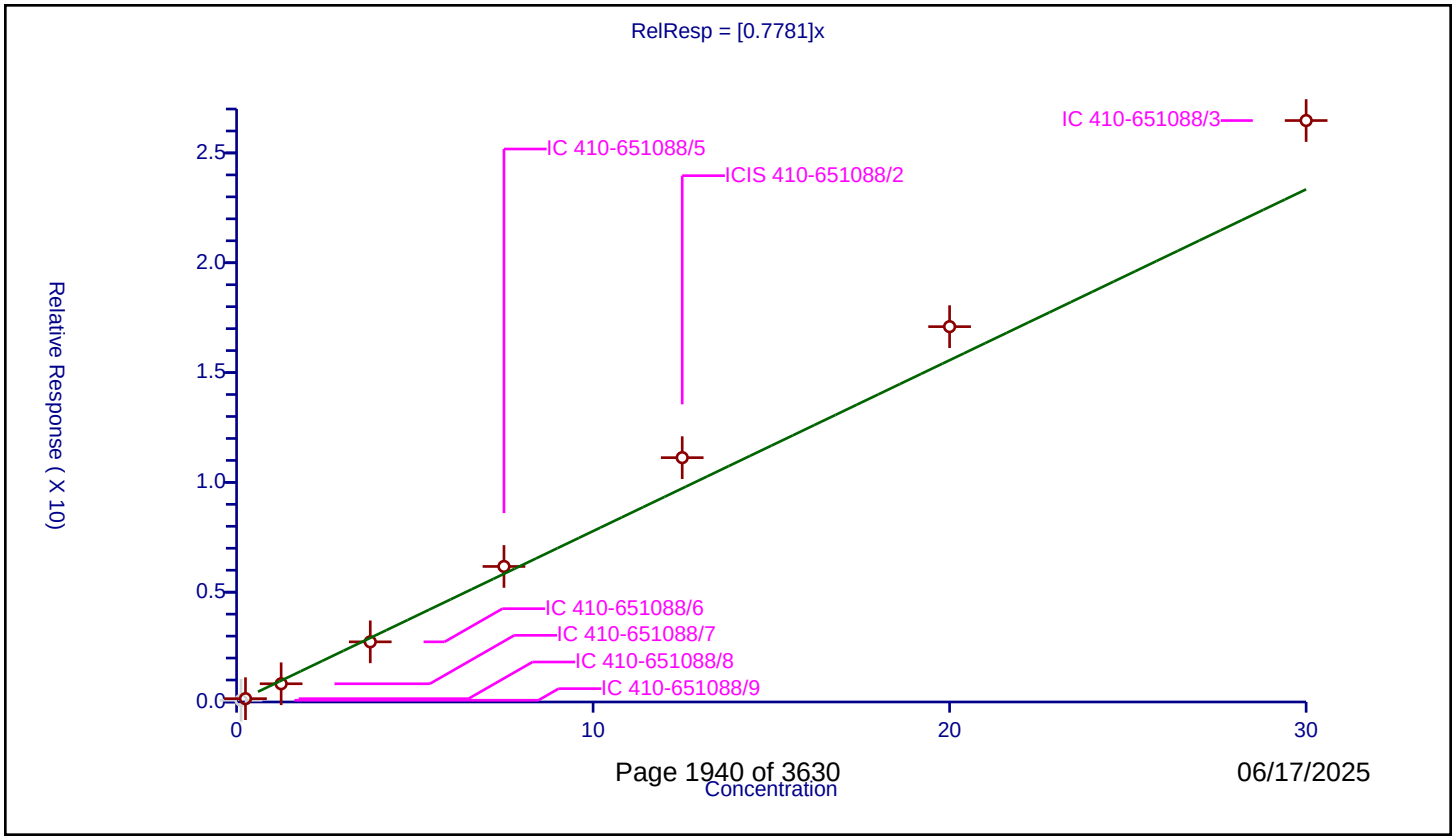
Curve Coefficients

Intercept:	0
Slope:	0.7781

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.079845	5.0	418688.0	0.638757	N
2	IC 410-651088/8	0.25	0.150632	5.0	490233.0	0.60253	Y
3	IC 410-651088/7	1.25	0.82971	5.0	502471.0	0.663768	Y
4	IC 410-651088/6	3.75	2.739012	5.0	500675.0	0.730403	Y
5	IC 410-651088/5	7.5	6.171656	5.0	600334.0	0.822887	Y
6	ICIS 410-651088/2	12.5	11.12567	5.0	673950.0	0.890054	Y
7	IC 410-651088/4	20.0	17.09045	5.0	496539.0	0.854523	Y
8	IC 410-651088/3	30.0	26.475357	5.0	494409.0	0.882512	Y



Calibration / Dibenz[a,j]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

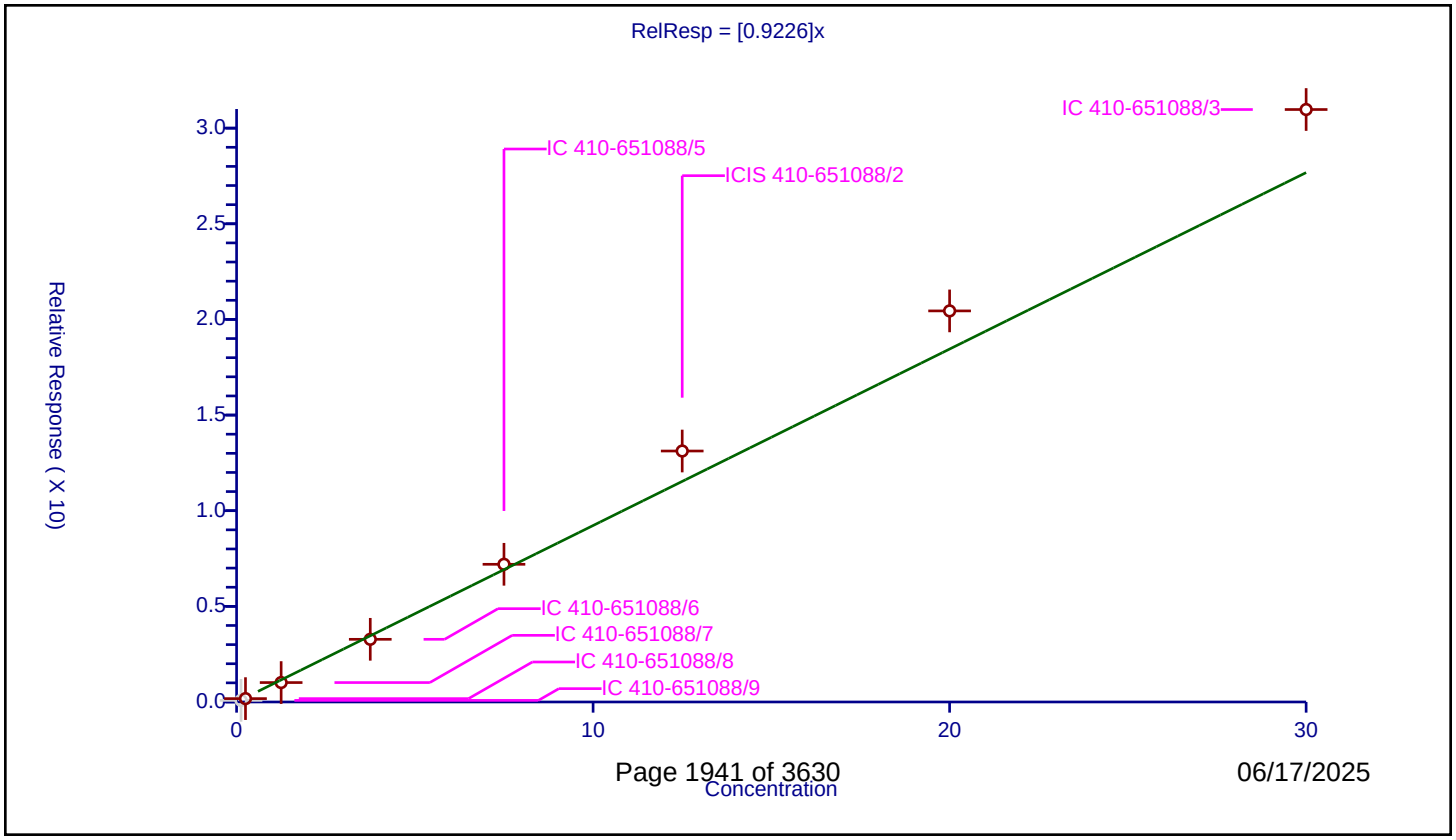
Curve Coefficients

Intercept:	0
Slope:	0.9226

Error Coefficients

Relative Standard Deviation:	14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.084466	5.0	418688.0	0.67573	N
2	IC 410-651088/8	0.25	0.176946	5.0	490233.0	0.707786	Y
3	IC 410-651088/7	1.25	1.015193	5.0	502471.0	0.812154	Y
4	IC 410-651088/6	3.75	3.277186	5.0	500675.0	0.873916	Y
5	IC 410-651088/5	7.5	7.19801	5.0	600334.0	0.959735	Y
6	ICIS 410-651088/2	12.5	13.12018	5.0	673950.0	1.049614	Y
7	IC 410-651088/4	20.0	20.445604	5.0	496539.0	1.02228	Y
8	IC 410-651088/3	30.0	30.973475	5.0	494409.0	1.032449	Y



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Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

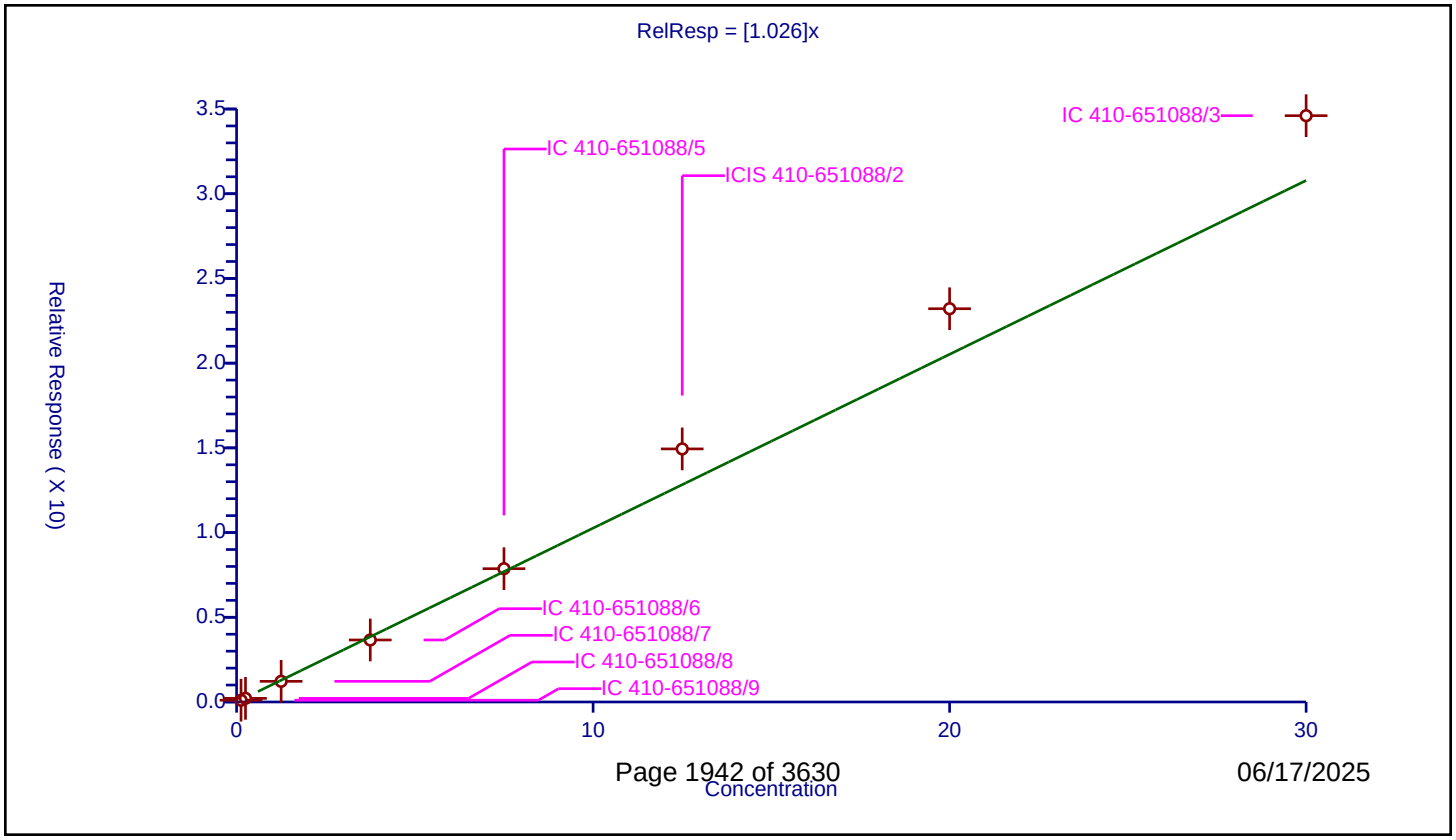
Curve Coefficients

Intercept:	0
Slope:	1.026

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.10478	5.0	418688.0	0.838238	Y
2	IC 410-651088/8	0.25	0.215173	5.0	490233.0	0.860693	Y
3	IC 410-651088/7	1.25	1.218926	5.0	502471.0	0.975141	Y
4	IC 410-651088/6	3.75	3.660588	5.0	500675.0	0.976157	Y
5	IC 410-651088/5	7.5	7.867229	5.0	600334.0	1.048964	Y
6	ICIS 410-651088/2	12.5	14.937451	5.0	673950.0	1.194996	Y
7	IC 410-651088/4	20.0	23.213111	5.0	496539.0	1.160656	Y
8	IC 410-651088/3	30.0	34.606975	5.0	494409.0	1.153566	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

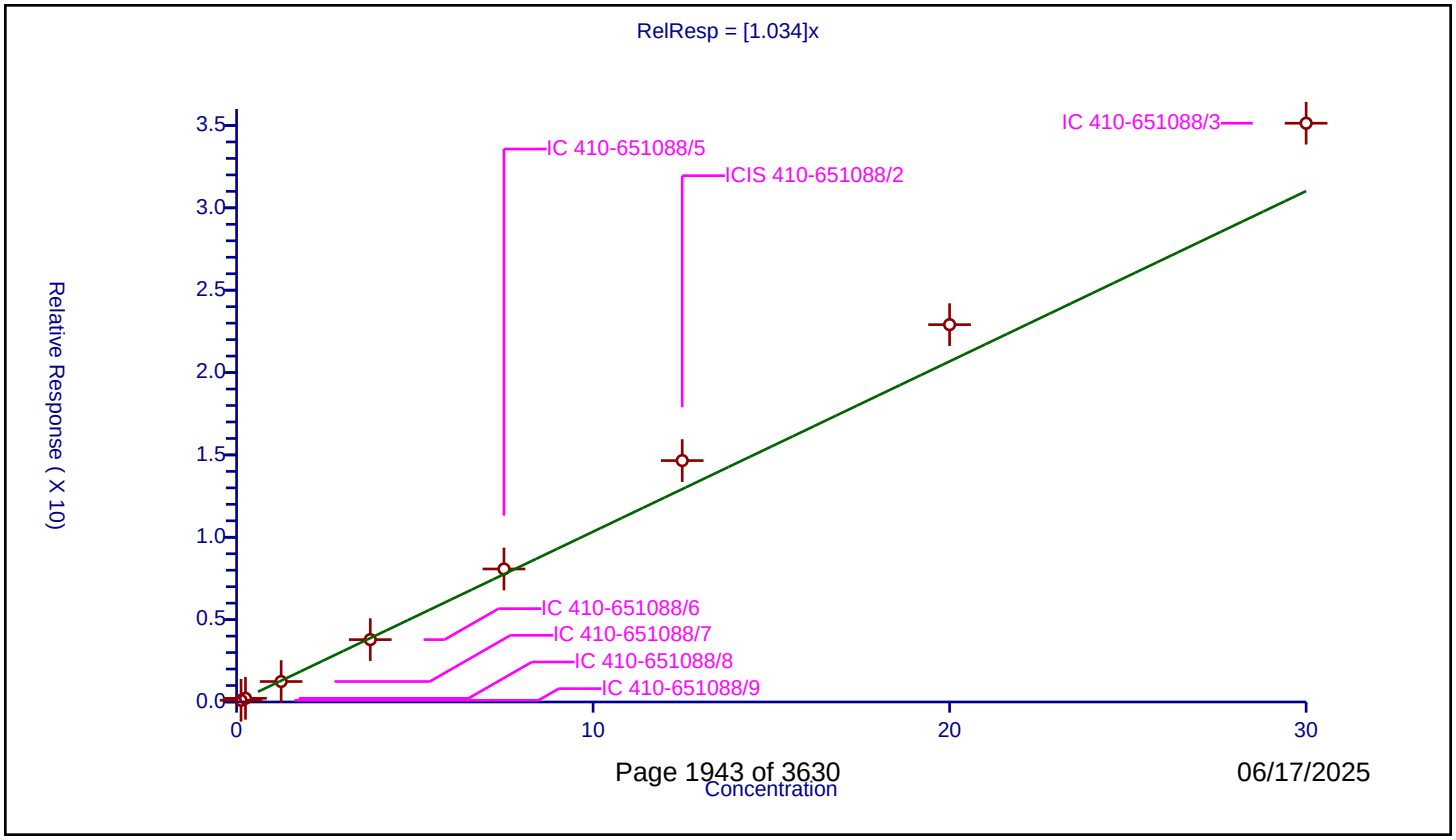
Curve Coefficients

Intercept:	0
Slope:	1.034

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.101102	5.0	418688.0	0.808812	Y
2	IC 410-651088/8	0.25	0.223373	5.0	490233.0	0.893494	Y
3	IC 410-651088/7	1.25	1.241942	5.0	502471.0	0.993554	Y
4	IC 410-651088/6	3.75	3.786598	5.0	500675.0	1.009759	Y
5	IC 410-651088/5	7.5	8.074605	5.0	600334.0	1.076614	Y
6	ICIS 410-651088/2	12.5	14.656161	5.0	673950.0	1.172493	Y
7	IC 410-651088/4	20.0	22.908503	5.0	496539.0	1.145425	Y
8	IC 410-651088/3	30.0	35.137326	5.0	494409.0	1.171244	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

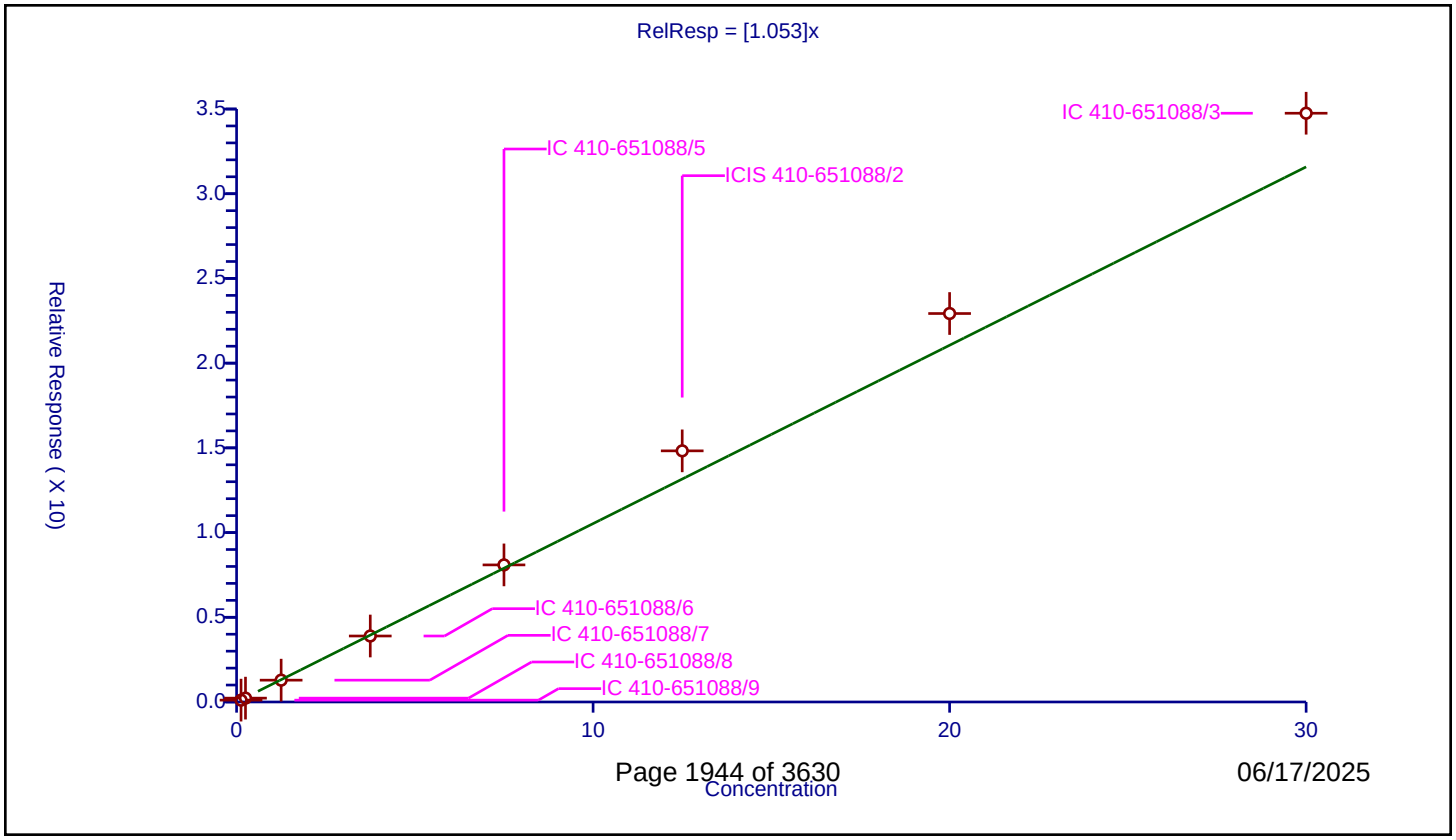
Curve Coefficients

Intercept:	0
Slope:	1.053

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-651088/9	0.125	0.108971	5.0	418688.0	0.871771	Y
2	IC 410-651088/8	0.25	0.227994	5.0	490233.0	0.911975	Y
3	IC 410-651088/7	1.25	1.288423	5.0	502471.0	1.030738	Y
4	IC 410-651088/6	3.75	3.894343	5.0	500675.0	1.038491	Y
5	IC 410-651088/5	7.5	8.091038	5.0	600334.0	1.078805	Y
6	ICIS 410-651088/2	12.5	14.822502	5.0	673950.0	1.1858	Y
7	IC 410-651088/4	20.0	22.928551	5.0	496539.0	1.146428	Y
8	IC 410-651088/3	30.0	34.7514	5.0	494409.0	1.15838	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-641051/9	JE0758.D
Level 2	IC 410-641051/8	JE0757.D
Level 3	IC 410-641051/7	JE0756.D
Level 4	IC 410-641051/6	JE0755.D
Level 5	IC 410-641051/5	JE0754.D
Level 6	ICIS 410-641051/2	JE0751a.D
Level 7	IC 410-641051/4	JE0753.D
Level 8	IC 410-641051/3	JE0752.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.7845	+++++ 0.7040	0.8503 0.6856	0.7174	0.7099	Ave		0.7420				8.5		20.0			
N-Nitrosodimethylamine	1.3302 1.3418	1.2505 1.2298	1.0324 1.2787	1.0972	1.1875	Ave		1.2185				8.9		20.0			
Pyridine	2.3282 2.2062	1.7701 2.0081	1.8161 2.0584	1.7548	1.9947	Ave		1.9921				10.4		20.0			
N,N-dimethylformamide	+++++ 1.5214	+++++ 1.3587	1.0011 1.5290	1.3541	1.3717	Ave		1.3560				14.1		20.0			
2-Picoline	+++++ 2.0956	+++++ 1.7917	1.7184 1.8814	1.5792	1.8456	Ave		1.8187				9.5		20.0			
N-Nitrosomethylethylamine	+++++ 0.8845	+++++ 0.7886	0.8367 0.7992	0.7453	0.8434	Ave		0.8163				6.0		20.0			
Methyl methanesulfonate	1.3828 1.4412	1.2893 1.2120	1.2385 1.2669	1.1921	1.3024	Ave		1.2907				6.6		20.0			
N-Nitrosodiethylamine	0.5622 0.8122	0.8011 0.7584	0.7140 0.8038	0.6493	0.7646	Ave		0.7332				12.0		20.0			
Ethyl methanesulfonate	0.7338 0.8387	0.7523 0.7892	0.8190 0.8025	0.7361	0.7860	Ave		0.7822				4.9		20.0			
Benzaldehyde	1.6621 1.9114	1.8853 +++++	1.5861 +++++	1.5813	1.8360	Ave		1.7437			0.0100	8.7		20.0			
Phenol	2.2281 2.5126	2.2536 2.5206	2.2119 2.6531	1.9055	2.3849	Ave		2.3338			0.8000	10.1		20.0			
Aniline	2.1501 3.0559	2.0915 2.8403	2.3704 2.9444	2.4785	2.6998	Ave		2.5789				14.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bis(2-chloroethyl)ether	1.8396 1.8136	1.7667 1.6442	1.7424 1.6776	1.4994	1.6314	Ave		1.7019			0.7000	6.6		20.0			
2-Chlorophenol	1.5509 1.5115	1.0322 1.3816	1.1978 1.4355	1.2899	1.4134	Ave		1.3516			0.8000	12.7		20.0			
1,3-Dichlorobenzene	1.8877 1.6554	1.1092 1.5231	1.4477 1.5651	1.4491	1.4957	Ave		1.5166				14.4		20.0			
1,4-Dichlorobenzene	2.0119 1.7033	1.5031 1.5515	1.4968 1.5573	1.4204	1.5727	Ave		1.6021				11.5		20.0			
Benzyl alcohol	+++++ 1.2527	0.7860 1.1550	1.1128 1.2005	1.0174	1.1180	Ave		1.0918				14.1		20.0			
1,2-Dichlorobenzene	1.5865 1.6265	1.2550 1.4964	1.3523 1.5106	1.4188	1.4883	Ave		1.4668				8.3		20.0			
2-Methylphenol	+++++ 1.7550	1.0013 1.5935	1.4155 1.6212	1.3932	1.6305	Ave		1.4872			0.7000	16.7		20.0			
bis(1-chloroispropyl)ether	2.5929 2.0579	1.6879 1.8694	1.8013 1.8851	1.7717	1.8662	Ave		1.9415			0.0100	14.6		20.0			
N-Nitrosopyrrolidine	0.8751 0.9334	1.0428 0.9039	0.7539 0.9097	0.8149	0.9104	Ave		0.8930				9.5		20.0			
N-Nitrosodi-n-propylamine	1.6305 1.7690	1.4354 1.6505	1.4195 1.6685	1.4676	1.6364	Ave		1.5847			0.5000	8.0		20.0			
Acetophenone	2.4466 2.9558	2.4143 2.7016	2.5096 2.7783	2.4668	2.6078	Ave		2.6101			0.0100	7.3		20.0			
4-Methylphenol (and/or 3-Methylphenol)	1.4826 1.9665	1.4935 1.6393	1.6630 1.9228	1.4222	1.8015	Ave		1.6739			0.6000	12.3		20.0			
N-Nitrosomorpholine	+++++ 1.2472	1.2914 1.2353	1.1238 1.2662	1.0159	1.2000	Ave		1.1971				8.1		20.0			
2-Toluidine	2.5829 2.8428	2.5761 2.4958	2.2228 2.5985	2.3024	2.5187	Ave		2.5175				7.6		20.0			
Hexachloroethane	1.0169 0.8571	0.6356 0.7652	0.8057 0.7842	0.6802	0.7658	Ave		0.7888			0.3000	14.6		20.0			
Nitrobenzene	0.5000 0.6377	0.6071 0.6318	0.6424 0.6504	0.5958	0.6322	Ave		0.6122			0.2000	8.0		20.0			
N-Nitrosopiperidine	0.2120 0.2045	0.2203 0.1942	0.1989 0.2002	0.1706	0.1892	Ave		0.1987				7.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isophorone	1.0179 1.1131	0.9980 1.1316	1.0661 1.1191	1.0196	1.0841	Ave		1.0687			0.4000	4.8		20.0			
2-Nitrophenol	0.2525 0.2079	0.1652 0.2034	0.2156 0.2034	0.1873	0.2005	Ave		0.2045			0.1000	12.1		20.0			
2,4-Dimethylphenol	0.3849 0.5213	0.4196 0.5215	0.4542 0.5293	0.4761	0.4988	Ave		0.4757			0.2000	11.1		20.0			
o,o',o''-Triethylphosphorothioate	0.2060 0.1713	0.1545 0.1688	0.1834 0.1757	0.1693	0.1761	Ave		0.1757				8.4		20.0			
Bis(2-chloroethoxy)methane	0.4928 0.6073	0.3948 0.5995	0.5827 0.5772	0.5491	0.5838	Ave		0.5484			0.3000	13.1		20.0			
2,4-Dichlorophenol	0.2234 0.3289	0.2620 0.3226	0.3015 0.3396	0.2947	0.3330	Ave		0.3007			0.2000	13.4		20.0			
1,2,4-Trichlorobenzene	0.2636 0.3548	0.3705 0.3637	0.3469 0.3619	0.3636	0.3483	Ave		0.3467				10.0		20.0			
Naphthalene	1.0648 1.0979	1.0228 1.0996	1.0714 1.0967	1.0336	1.0503	Ave		1.0671			0.7000	2.8		20.0			
a-Terpineol	0.3027 0.4186	0.3849 0.4216	0.4504 0.4228	0.3883	0.4141	Ave		0.4004				11.1		20.0			
4-Chloroaniline	+++++ 0.4805	0.3215 0.4853	0.4401 0.4949	0.4671	0.4669	Ave		0.4509			0.0100	13.2		20.0			
2,6-Dichlorophenol	0.2366 0.3366	0.3125 0.3291	0.2917 0.3265	0.3147	0.3125	Ave		0.3075				10.3		20.0			
Hexachloropropene	0.3684 0.2683	0.2836 0.2806	0.2563 0.2884	0.2583	0.2685	Ave		0.2840				12.7		20.0			
Hexachlorobutadiene	0.1833 0.2512	0.1819 0.2452	0.2274 0.2437	0.2370	0.2481	Ave		0.2272			0.0100	12.5		20.0			
Quinoline	0.6334 0.7277	0.5352 0.7082	0.7008 0.7053	0.6868	0.6926	Ave		0.6737				9.2		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.4599	0.5146 0.4697	0.5506 0.4684	0.4611	0.4774	Ave		0.4859				7.0		20.0			
Caprolactam	+++++ 0.1039	0.1204 0.1122	0.1115 0.1145	0.1044	0.1128	Ave		0.1114			0.0100	5.2		20.0			
1,4-phenylenediamine	+++++ 0.4499	+++++ 0.4245	0.1778 0.4603	0.3168	0.4565	Lin2	-0.371	0.4653							0.9930		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.4149 0.4442	0.3710 0.4471	0.4176 0.4563	0.3947	0.4502	Ave		0.4245			0.2000	7.2		20.0			
Safrole, Total	0.2660 0.2722	0.2993 0.2655	0.2716 0.2747	0.2776	0.2861	Ave		0.2766				4.1		20.0			
2-Methylnaphthalene	0.5903 0.6441	0.5880 0.6530	0.6401 0.6358	0.6029	0.6192	Ave		0.6217			0.4000	4.1		20.0			
1-Methylnaphthalene	0.5958 0.6709	0.5705 0.6650	0.6265 0.6750	0.6383	0.6693	Ave		0.6389				6.1		20.0			
Hexachlorocyclopentadiene	0.6574 0.5960	0.4857 0.5447	0.4791 0.5480	0.5128	0.5503	Ave		0.5467			0.0500	10.7		20.0			
1,2,4,5-Tetrachlorobenzene	0.6381 0.6770	0.5750 0.6395	0.6124 0.6452	0.6422	0.6467	Ave		0.6345			0.0100	4.7		20.0			
Isosafrole Peak 1	+++++ 0.5553	+++++ 0.5184	0.4194 0.5121	0.4807	0.5310	Ave		0.5028				9.5		20.0			
2,4,6-Trichlorophenol	0.3811 0.4340	0.2769 0.4119	0.3897 0.4187	0.3835	0.4144	Ave		0.3888			0.2000	12.6		20.0			
2,4,5-Trichlorophenol	+++++ 0.4943	0.3954 0.4641	0.4316 0.4565	0.4431	0.4544	Ave		0.4485			0.2000	6.8		20.0			
Isosafrole Peak 2	0.7462 0.5904	0.4884 0.5328	0.5945 0.5447	0.5139	0.5654	Ave		0.5720				13.8		20.0			
1,1'-Biphenyl	1.8682 1.6158	1.6192 1.5420	1.6428 1.5681	1.4256	1.5092	Ave		1.5989			0.0100	8.1		20.0			
2-Chloronaphthalene	0.8890 1.3510	0.9594 1.1364	1.1678 1.3092	1.1347	1.2141	Ave		1.1452			0.8000	13.8		20.0			
1-Chloronaphthalene	1.0719 1.0983	1.1730 1.1731	1.0037 1.0036	1.0275	1.1049	Ave		1.0820				6.3		20.0			
Diphenyl ether	0.9172 0.8799	0.8009 0.8206	0.7643 0.8130	0.7513	0.8253	Ave		0.8216				6.7		20.0			
2-Nitroaniline	0.4081 0.4422	0.3965 0.4133	0.4144 0.4270	0.4086	0.3942	Ave		0.4130			0.0100	3.8		20.0			
1,4-Naphthoquinone	0.6210 0.5170	0.4304 0.4790	0.4291 0.4810	0.4534	0.4927	Ave		0.4880				12.7		20.0			
1,4-Dinitrobenzene	+++++ 0.1825	0.1680 0.1685	0.1668 0.1810	0.1660	0.1888	Ave		0.1745				5.3		20.0			

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dimethyl phthalate	1.5166 1.5625	1.4744 1.4782	1.4415 1.4674	1.4302	1.4502	Ave		1.4776			0.0100	2.9		20.0			
1,3-Dinitrobenzene	0.1825 0.2143	0.2388 0.2114	0.2141 0.2107	0.2035	0.2088	Ave		0.2105				7.3		20.0			
2,6-Dinitrotoluene	+++++ 0.3274	0.2421 0.3071	0.2885 0.3113	0.3184	0.3104	Ave		0.3007			0.2000	9.5		20.0			
Acenaphthylene	1.8636 1.9403	1.7655 1.8570	1.7576 1.8383	1.7036	1.8647	Ave		1.8238			0.9000	4.2		20.0			
3-Nitroaniline	+++++ 0.3868	0.2769 0.3642	0.2992 0.3695	0.3508	0.3509	Ave		0.3426			0.0100	11.6		20.0			
Acenaphthene	1.4143 1.3353	1.3369 1.2773	1.2006 1.2750	1.1868	1.2619	Ave		1.2860			0.9000	5.8		20.0			
2,4-Dinitrophenol	0.1636 0.2327	0.1750 0.2228	0.1977 0.2289	0.1989	0.2064	Ave		0.2033			0.0100	12.2		20.0			
4-Nitrophenol	+++++ 0.4100	+++++ 0.3704	0.2903 0.3812	0.3244	0.3600	Ave		0.3560			0.0100	12.0		20.0			
Pentachlorobenzene	0.7196 0.5861	0.4726 0.5564	0.5488 0.5530	0.5231	0.5749	Ave		0.5668				12.5		20.0			
2,4-Dinitrotoluene	0.3403 0.4758	0.3989 0.4608	0.4365 0.4574	0.4205	0.4484	Ave		0.4298			0.2000	10.1		20.0			
Dibenzofuran	1.5195 1.8441	1.7724 1.6865	1.5768 1.6655	1.6177	1.7474	Ave		1.6787			0.8000	6.4		20.0			
1-Naphthylamine	1.0661 1.2563	1.0278 1.1760	1.1190 1.2333	1.1187	1.2222	Ave		1.1524				7.2		20.0			
2,3,4,6-Tetrachlorophenol	0.5200 0.4184	0.3137 0.4136	0.3870 0.4074	0.3526	0.4117	Ave		0.4031			0.0100	14.8		20.0			
2-Naphthylamine	1.0983 1.3019	1.3078 1.2127	1.1743 1.2259	1.1467	1.2638	Ave		1.2164				6.1		20.0			
Diethyl phthalate	1.4317 1.6460	1.4634 1.5676	1.5049 1.5653	1.4820	1.5764	Ave		1.5297			0.0100	4.6		20.0			
Thionazin	0.3492 0.2721	0.2203 0.2833	0.2569 0.2790	0.2443	0.2705	Ave		0.2720				13.8		20.0			
Fluorene	1.7320 1.4365	1.4051 1.3363	1.2155 1.3570	1.2970	1.3380	Ave		1.3897			0.9000	11.1		20.0			

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chlorophenyl-phenyl ether	0.6402 0.6784	0.7462 0.6517	0.5879 0.6440	0.6239	0.6645	Ave		0.6546			0.4000	7.0		20.0			
5-Nitro-o-toluidine	+++++ 0.3969	0.5076 0.3742	0.3394 0.3667	0.3464	0.3685	Ave		0.3857				14.8		20.0			
4-Nitroaniline	+++++ 0.3765	0.3437 0.3528	0.3382 0.3498	0.3389	0.3537	Ave		0.3505			0.0100	3.7		20.0			
4,6-Dinitro-2-methylphenol	0.1310 0.1640	0.1059 0.1599	0.1359 0.1494	0.1343	0.1514	Ave		0.1415			0.0100	13.3		20.0			
N-Nitrosodiphenylamine	0.5508 0.6655	0.5751 0.5884	0.5565 0.5632	0.5914	0.5990	Ave		0.5862			0.0100	6.2		20.0			
1,2-Diphenylhydrazine	1.0608 1.3077	1.0086 1.2118	1.1217 1.1446	1.1497	1.2213	Ave		1.1533				8.2		20.0			
Sulfotepp	0.2300 0.2268	0.1789 0.2125	0.1926 0.2013	0.2112	0.2110	Ave		0.2080				8.1		20.0			
1,3,5-Trinitrobenzene	0.0727 0.0755	0.0390 0.0666	0.0565 0.0702	0.0693	0.0659	Ave		0.0645				18.2		20.0			
cis-Diallate	+++++ 0.4091	+++++ 0.3863	0.3765 0.3632	0.3757	0.3855	Ave		0.3827				4.0		20.0			
Phorate	0.9502 0.7844	0.6834 0.7343	0.6987 1.0295	0.6461	0.7221	Ave		0.7811				17.5		20.0			
Phenacetin	+++++ 0.5759	+++++ 0.5351	0.4062 0.5109	0.4675	0.5529	Ave		0.5081				12.2		20.0			
4-Bromophenyl-phenylether	0.1905 0.2434	0.1791 0.2244	0.1983 0.2108	0.2109	0.2227	Ave		0.2100			0.1000	9.8		20.0			
trans-Diallate	+++++ 0.4253	+++++ 0.3795	0.5177 0.3769	0.4429	0.4179	Ave		0.4267				12.1		20.0			
Hexachlorobenzene	0.2270 0.3061	0.2870 0.2684	0.2582 0.2614	0.2722	0.2826	Ave		0.2704			0.1000	8.6		20.0			
Dimethoate	0.3656 0.4400	0.4014 0.4088	0.3536 0.3853	0.3863	0.4255	Ave		0.3958				7.4		20.0			
Atrazine	0.2453 0.2441	0.2568 0.2163	0.2240 0.1933	0.2172	0.2334	Ave		0.2288			0.0100	8.9		20.0			
Pentachlorophenol	+++++ 0.2208	0.1601 0.1927	0.1408 0.1853	0.1558	0.1845	Ave		0.1771			0.0500	15.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Pentachloronitrobenzene	+++++ 0.1594	0.1545 0.1375	0.1130 0.1406	0.1403	0.1511	Ave		0.1424				10.8		20.0			
4-Aminobiphenyl	0.8242 0.9387	0.8230 0.8394	0.7417 0.8151	0.7643	0.8686	Ave		0.8269				7.3		20.0			
Pronamide	0.3780 0.4020	0.3904 0.3666	0.3064 0.3527	0.3616	0.3850	Ave		0.3678				8.0		20.0			
Dinoseb	+++++ 0.2041	0.1453 0.1937	0.1554 0.1937	0.1651	0.1967	Ave		0.1791				13.0		20.0			
Disulfoton	+++++ 0.6519	0.6837 0.6063	0.5730 0.5776	0.5813	0.6267	Ave		0.6143				6.8		20.0			
Phenanthrene	1.1171 1.2257	1.0841 1.1158	1.0229 1.1111	1.0524	1.1434	Ave		1.1091			0.7000	5.5		20.0			
Anthracene	1.0628 1.2711	1.0345 1.1571	0.9991 1.1184	1.1181	1.1505	Ave		1.1140			0.7000	7.6		20.0			
Carbazole	0.6885 1.1629	0.8930 1.0750	0.9506 1.0275	1.0154	1.0829	Ave		0.9870			0.0100	14.8		20.0			
Methyl parathion	0.3713 0.3555	0.2558 0.3297	0.2677 0.3272	0.3028	0.3395	Ave		0.3187				12.7		20.0			
Di-n-butyl phthalate	1.3052 1.4961	1.3048 1.4147	1.2850 1.3071	1.2645	1.3737	Ave		1.3439			0.0100	5.8		20.0			
Parathion	0.2532 0.2238	0.1708 0.2292	0.1558 0.2072	0.1879	0.2101	Ave		0.2047				15.6		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.1202	+++++ 0.1143	0.0768 0.1134	0.0860	0.0990	Ave		0.1016				17.1		20.0			
Octachlorostyrene	0.1414 0.1359	0.1226 0.1230	0.1419 0.1129	0.1211	0.1237	Ave		0.1278				8.3		20.0			
Isodrin	+++++ 0.1469	0.2578 0.1413	0.1461 0.1328	0.1469	0.1413	Lin2	0.0298	0.1362							0.9970		0.9900
Fluoranthene	0.9829 1.3920	1.0970 1.3110	1.2085 1.2403	1.1946	1.2532	Ave		1.2099			0.6000	10.4		20.0			
Benzidine	+++++ 0.9373	+++++ 0.8240	0.7235 0.6454	0.7906	0.8888	Ave		0.8016				13.3		20.0			
Pyrene	1.2477 1.3201	1.2427 1.3200	1.1913 1.2777	1.2492	1.2774	Ave		1.2658			0.6000	3.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
p-Dimethylamino azobenzene	0.2229 0.1868	0.1952 0.1813	0.1518 0.1826	0.1688	0.1825	Ave		0.1840				11.1		20.0			
Chlorobenzilate	0.4026 0.4622	0.4238 0.4760	0.3674 0.4432	0.4200	0.4459	Ave		0.4301				8.0		20.0			
Famphur	0.3907	0.4971 +++++	0.4172 +++++	0.4191		Ave		0.4310				10.6		20.0			
3,3'-Dimethylbenzidine	0.5984 0.6506	0.5680 0.6043	0.5581 0.5782	0.6073	0.6287	Ave		0.5992				5.2		20.0			
Butylbenzylphthalate	0.6241 0.6039	0.5282 0.6366	0.5783 0.6080	0.5819	0.5887	Ave		0.5937			0.0100	5.6		20.0			
2-Acetylaminofluorene	+++++ 0.4673	+++++ 0.4845	0.3250 0.4868	0.4019	0.4670	Ave		0.4388				14.5		20.0			
3,3'-Dichlorobenzidine	0.4054 0.5285	0.4326 0.5263	0.4173 0.5108	0.4863	0.4788	Ave		0.4733			0.0100	10.4		20.0			
4,4'-Methylene bis(2-chloroaniline)	0.2023 0.2483	0.2555 0.2395	0.2196 0.2297	0.2281	0.2297	Ave		0.2316				7.2		20.0			
Benzo[a]anthracene	1.0739 1.2244	1.0056 1.2160	1.0573 1.1889	1.1303	1.1642	Ave		1.1326			0.8000	7.1		20.0			
Chrysene	1.0227 1.1298	1.0270 1.1104	0.9646 1.0945	1.0574	1.0630	Ave		1.0587			0.7000	5.1		20.0			
Bis(2-ethylhexyl) phthalate	0.6958 0.8871	0.7631 0.9316	0.7759 0.8788	0.8504	0.8508	Ave		0.8292			0.0100	9.4		20.0			
6-Methylchrysene	0.6983 0.7502	0.7085 0.7600	0.6841 0.7474	0.7009	0.7379	Ave		0.7234				4.0		20.0			
Di-n-octyl phthalate	1.2788 1.5111	1.3374 1.6402	1.1853 1.5292	1.3473	1.4346	Ave		1.4080			0.0100	10.6		20.0			
7,12-Dimethylbenz(a)anthracene	0.4299 0.4856	0.3412 0.4938	0.4228 0.4965	0.3967	0.4886	Ave		0.4444				12.7		20.0			
Benzo[b]fluoranthene	1.1106 1.2993	0.9823 1.2630	1.0517 1.2609	1.1170	1.2337	Ave		1.1648			0.7000	9.9		20.0			
Benzo[k]fluoranthene	1.1629 1.1971	1.2146 1.2836	1.0915 1.1798	1.0865	1.2149	Ave		1.1789			0.7000	5.6		20.0			
Benzo[a]pyrene	1.4600 1.2026	1.2116 1.2369	1.0870 1.1737	1.1003	1.1930	Ave		1.2081			0.7000	9.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
3-Methylcholanthrene	0.5691 0.5511	0.5511 0.5689	0.4651 0.5544	0.5015	0.5373	Ave		0.5373				6.7		20.0			
Dibenz[a,h]acridine	0.7795 0.8781	0.8362 0.9042	0.8212 0.8755	0.7857	0.9163	Ave		0.8496				6.1		20.0			
Dibenz[a,j]acridine	0.9930 0.9982	0.9615 1.0235	0.8719 1.0016	0.9221	1.0257	Ave		0.9747				5.5		20.0			
Indeno[1,2,3-cd]pyrene	0.9449 1.2104	1.2540 1.2175	1.0531 1.1653	1.0817	1.1809	Ave		1.1385			0.5000	9.1		20.0			
Dibenz(a,h)anthracene	0.9113 1.1491	1.0170 1.1884	1.0460 1.1251	1.0598	1.1628	Ave		1.0824			0.4000	8.5		20.0			
Benzo[g,h,i]perylene	0.9272 1.1980	1.0556 1.2047	1.0789 1.1561	1.0683	1.1961	Ave		1.1106			0.5000	8.7		20.0			
2-Fluorophenol (Surr)	1.1245 1.7480	1.4768 1.5853	1.3978 1.6259	1.3896	1.5290	Ave		1.4846				12.7		20.0			
Phenol-d5 (Surr)	+++++ 2.5385	1.9720 2.2960	2.1089 2.4189	1.9947	2.1609	Ave		2.2129				9.7		20.0			
Nitrobenzene-d5 (Surr)	0.4956 0.6746	0.6217 0.6544	0.6243 0.6780	0.6073	0.6389	Ave		0.6244				9.3		20.0			
2-Fluorobiphenyl (Surr)	1.4615 1.5133	1.3319 1.4732	1.3282 1.3675	1.3636	1.4337	Ave		1.4091				5.0		20.0			
2,4,6-Tribromophenol (Surr)	0.2919 0.3116	0.2618 0.3083	0.2563 0.3011	0.2843	0.2899	Ave		0.2881				7.0		20.0			
p-Terphenyl-d14 (Surr)	0.7670 0.8679	0.6946 0.8762	0.7594 0.7918	0.7887	0.8295	Ave		0.7969				7.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-225004-1 | Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 | GC Column: DB-5MS 30m ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 | Calibration End Date: 05/08/2025 02:18 | Calibration ID: 72461

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-641051/9	JE0758.D
Level 2	IC 410-641051/8	JE0757.D
Level 3	IC 410-641051/7	JE0756.D
Level 4	IC 410-641051/6	JE0755.D
Level 5	IC 410-641051/5	JE0754.D
Level 6	ICIS 410-641051/2	JE0751a.D
Level 7	IC 410-641051/4	JE0753.D
Level 8	IC 410-641051/3	JE0752.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Ave	+++++ 404263	+++++ 552188	38442 741228	104963	195873	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd4	Ave	5612 691425	11307 964548	46674 1382482	160539	327681	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd4	Ave	19645 2273593	32011 3150074	164214 4450811	513500	1100835	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd4	Ave	+++++ 783926	+++++ 1065668	45259 1653063	198121	378499	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd4	Ave	+++++ 1079817	+++++ 1405312	77690 2034040	231055	509261	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd4	Ave	+++++ 455784	+++++ 618516	37828 864024	109050	232721	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd4	Ave	5834 742618	11658 950633	55995 1369721	174411	359365	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd4	Ave	2372 418528	7244 594803	32280 869020	95002	210984	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd4	Ave	3096 432170	6802 619010	37028 867550	107702	216876	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd4	Ave	7012 984917	17047 +++++	71707 +++++	231362	506605	0.125 12.5	0.250 +++++	1.25 +++++	3.75	7.50
Phenol	DCBd4	Ave	9400 1294706	20377 1976971	100002 2868342	278800	658069	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd4	Ave	9071 1574648	18911 2227705	107166 3183245	362638	744969	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd4	Ave	7761 934495	15975 1289617	78776 1813742	219381	450152	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd4	Ave	6543 778844	9333 1083595	54154 1551954	188723	390014	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd4	Ave	7964	10029	65453	212013	412718	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			852984	1194608	1692117			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd4	Ave	8488 877701	13591 1216913	67669 1683664	207823	433955	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzyl alcohol	DCBd4	Ave	+++++ 645482	7107 905889	50311 1297914	148859	308502	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd4	Ave	6693 838110	11348 1173690	61140 1633116	207580	410664	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd4	Ave	+++++ 904312	9054 1249820	63996 1752697	203839	449899	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
bis(1-chloroispropyl)ether	DCBd4	Ave	10939 1060422	15262 1466206	81436 2037983	259212	514939	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd4	Ave	3692 480939	9429 708979	34083 983482	119225	251201	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd4	Ave	6879 911523	12979 1294540	64175 1803886	214719	451546	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd4	Ave	10322 1523056	21830 2118938	113461 3003676	360924	719592	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Methylphenol (and/or 3-Methylphenol)	DCBd4	Ave	6255 1013281	13504 1285734	75183 2078819	208088	497091	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd4	Ave	+++++ 642676	11677 968910	50807 1368944	148631	331119	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Toluidine	DCBd4	Ave	10897 1464843	23293 1957524	100493 2809329	336870	694989	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd4	Ave	4290 441662	5747 600140	36425 847847	99519	211304	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	8640 1325624	20583 1863013	105261 2704843	315365	663001	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	3663 425210	7470 572554	32600 832402	90307	198449	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	17590 2314072	33836 3336829	174691 4654017	539688	1136965	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	4363 432243	5600 599863	35334 845920	99124	210288	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	6652 1083654	14225 1537865	74426 2200994	252040	523159	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	3560 356155	5239 497898	30045 730862	89632	184706	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	8515 1262601	13385 1767772	95480 2400458	290682	612213	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4-Dichlorophenol	NPT	Ave	3860 683688	8882 951237	49405 1412259	155987	349203	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4-Trichlorobenzene	NPT	Ave	4555 737691	12563 1072486	56836 1505130	192490	365227	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	18400 2282465	34677 3242450	175565 4560544	547112	1101478	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	5231 870281	13050 1243117	73799 1758241	205534	434269	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	+++++ 998975	10899 1431074	72118 2058027	247236	489667	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	4089 699754	10594 970402	47801 1357740	166557	327701	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	6366 557728	9615 827291	41994 1199296	136744	281562	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	3167 522142	6166 722990	37267 1013349	125470	260214	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	10945 1512779	18146 2088307	114833 2932925	363563	726311	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 956048	17446 1384974	90223 1947821	244095	500651	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	+++++ 216005	4083 330797	18278 476042	55257	118277	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Lin2	+++++ 935394	+++++ 1251827	29140 1914096	167672	478796	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	7169 923404	12580 1318534	68435 1897476	208939	472165	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	4597 565909	10147 782784	44498 1142523	146930	300096	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	10200 1339000	19935 1925646	104895 2644129	319115	649382	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	10296 1394804	19341 1960829	102662 2806979	337849	701944	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	6242 690356	9371 953909	47217 1353037	163181	333486	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	6059 784262	11095 1119948	60356 1593176	204366	391855	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	+++++ 102925	+++++ 145238	6614 202326	24475	51486	+++++ 2.00	+++++ 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	3619 502753	5342 721285	38409 1033767	122043	251084	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	+++++ 572548	7630 812668	42534 1127165	141001	275379	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	5952 574498	7916 783753	49220 1129777	137378	287790	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	17739 1871791	31241 2700258	161920 3872032	453663	914516	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	8441 1565031	18511 1990056	115095 3232872	361109	735696	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	10178 1272293	22633 2054262	98921 2478110	326982	669556	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	8709 1019282	15453 1437067	75328 2007598	239096	500135	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	3875 512296	7651 723835	40845 1054341	130020	238866	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	5897 598945	8304 838802	42297 1187718	144278	298572	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 211421	3242 295027	16438 446970	52818	114433	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	14401 1809955	28448 2588553	142077 3623404	455122	878797	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	1733 248245	4607 370275	21099 520365	64771	126554	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	+++++ 379202	4672 537699	28431 768667	101330	188113	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	17695 2247578	34065 3251906	173229 4539360	542137	1129922	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 448018	5342 637824	29492 912441	111648	212660	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	13429 1546842	25795 2236765	118334 3148199	377681	764667	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	15535 539087	33762 780362	77932 1130648	189915	291812	1.25 25.0	2.50 40.0	5.00 60.0	11.3	17.5
4-Nitrophenol	ANT	Ave	+++++ 949846	+++++ 1297371	85825 1882603	206479	436238	+++++ 25.0	+++++ 40.0	3.75 60.0	7.50	15.0
Pentachlorobenzene	ANT	Ave	6833 678947	9118 974337	54089 1365449	166463	348362	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	3231 551183	7697 807008	43018 1129324	133812	271744	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	14428 2136199	34197 2953275	155409 4112600	514786	1058868	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1-Naphthylamine	ANT	Ave	10123 1455282	19831 2059319	110287 3045394	355994	740598	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	4938 484730	6053 724260	38145 1005883	112210	249474	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	10429 1508057	25233 2123566	115739 3027020	364899	765846	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	13594 1906694	28236 2745146	148319 3865225	471615	955237	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	3316 315236	4251 496165	25323 688846	77737	163912	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	16446 1664069	27111 2340117	119797 3350904	412751	810785	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	6079 785899	14397 1141239	57940 1590328	198531	402693	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	+++++ 459736	9793 655294	33448 905501	110247	223279	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 436079	6632 617771	33332 863765	107846	214303	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	15265 661398	24274 1030068	76774 1439631	157182	330689	0.750 25.0	1.50 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	9091 1140792	18671 1611027	89100 2306588	294186	555989	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	20598 2637199	38522 3903575	211283 5515215	672802	1333677	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	4465 457417	6834 684537	36284 969859	123608	230420	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	1411 152296	1489 214599	10646 338234	40528	71976	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	+++++ 610455	+++++ 920886	52477 1295162	162686	311544	+++++ 9.25	+++++ 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Ave	18449 1581801	26104 2365542	131611 4960785	378097	788571	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	+++++ 1161394	+++++ 1723793	76518 2461722	273558	603742	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	3699 490758	6841 723035	37351 1015919	123397	243165	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 222979	+++++ 317855	25352 472217	67385	118662	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	4408 617312	10960 864599	48634 1259772	159286	308661	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dimethoate	PHN	Ave	7099 887305	15330 1317002	66596 1856712	226036	464681	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	4763 492182	9807 696627	42198 931351	127090	254894	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	+++++ 890363	30580 1241435	53052 1785379	182319	402973	+++++ 25.0	1.25 40.0	2.50 60.0	7.50	15.0
Pentachloronitrobenzene	PHN	Ave	+++++ 321438	5902 443013	21290 677592	82106	165040	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Aminobiphenyl	PHN	Ave	16003 1892958	31435 2704110	139697 3927813	447266	948525	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	7340 810609	14913 1180938	57714 1699591	211594	420394	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Ave	+++++ 411554	5548 624042	29277 933195	96616	214752	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	+++++ 1314600	26114 1953002	107938 2783115	340144	684374	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	21690 2471761	41408 3594265	192664 5353917	615868	1248657	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	20636 2563352	39512 3727435	188191 5388972	654325	1256395	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	13368 2345192	34108 3462827	179061 4951156	594213	1182587	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	7209 716907	9770 1061994	50431 1576568	177220	370789	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	25342 3017072	49836 4557324	242050 6298265	739996	1500114	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	4916 451263	6525 738416	29337 998334	109944	229456	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Ave	+++++ 242497	+++++ 368304	14462 546398	50352	108061	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	2745 274037	4681 396213	26733 544207	70889	135038	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Lin2	+++++ 296300	9845 455117	27515 640120	85980	154336	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	19085 2807252	41900 4223194	227628 5976422	699052	1368557	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 6122149	+++++ 7970064	416878 9306451	1392120	3014318	+++++ 37.5	+++++ 60.0	3.75 90.0	11.3	22.5
Pyrene	PYR10	Ave	23720 2874188	47330 4255785	228805 6141884	733248	1443973	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
p-Dimethylamino azobenzene	PYR10	Ave	4237 406741	7436 584474	29156 877791	99096	206283	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	7653 1006267	16142 1534718	70569 2130642	246538	504007	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Famphur	PYR10	Ave	7428	18932 +++++	80126 +++++	246002		0.125	0.250 +++++	1.25 +++++	3.75	
3,3'-Dimethylbenzidine	PYR10	Ave	11376 1416672	21632 1948308	107180 2779104	356448	710695	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Butylbenzylphthalate	PYR10	Ave	11864 1314887	20117 2052589	111060 2922614	341576	665489	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 1017553	+++++ 1562162	62418 2339837	235934	527897	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	7707 1150819	16478 1696833	80138 2455570	285445	541216	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	3846 540664	9733 772230	42180 1104128	133913	259701	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	20416 2666008	38302 3920574	203056 5714915	663482	1316086	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	19441 2459963	39115 3580187	185267 5261375	620680	1201661	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	13227 1931404	29063 3003613	149013 4224302	499167	961757	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	13275 1633327	26984 2450330	131389 3592607	411388	834171	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	22506 3275901	49935 5033721	225573 7164621	823508	1547035	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	7565 1052763	12739 1515484	80469 2326029	242490	526869	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	19546 2816736	36677 3876112	200152 5907431	682741	1330449	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	20465 2595135	45350 3939512	207726 5527501	664125	1310150	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	25694 2607195	45238 3796128	206859 5498969	672551	1286461	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	10015 1194794	20575 1745830	88511 2597295	306543	579381	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	13718 1903740	31220 2774940	156278 4101891	480224	988160	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	17476 2163927	35901 3141039	165938 4692815	563608	1106097	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Indeno[1,2,3-cd]pyrene	PRY	Ave	16630 2623961	46823 3736568	200412 5459521	661166	1273432	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz(a,h)anthracene	PRY	Ave	16038 2491240	37971 3647088	199065 5271458	647759	1253957	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	16318 2597239	39413 3697286	205318 5416409	652982	1289879	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd4	Ave	9488 1801443	26707 2486866	126393 3515494	406637	843782	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd4	Ave	+++++ 2616078	35662 3601673	190691 5230168	583695	1192554	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	17128 2804952	42159 3859543	204583 5638985	642901	1340106	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	27755 3506039	51397 5159555	261811 6753511	867851	1737548	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	5543 721914	10101 1079836	50516 1486988	180917	351354	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	29163 3779262	52911 5650213	291707 7612471	925854	1875354	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m 0 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-641051/9	JE0758.D
Level 2	IC 410-641051/8	JE0757.D
Level 3	IC 410-641051/7	JE0756.D
Level 4	IC 410-641051/6	JE0755.D
Level 5	IC 410-641051/5	JE0754.D
Level 6	ICIS 410-641051/2	JE0751a.D
Level 7	IC 410-641051/4	JE0753.D
Level 8	IC 410-641051/3	JE0752.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-phenylenediamine	+++++ -4.8	+++++ 1.6	2.0	-10.7	8.8	3.1	30	30	50	30	30	30
Isodrin	+++++ 2.6	1.8 -3.2	-10.2	2.0	0.9	6.1	30	50 30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0751a.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 07-May-2025 23:49:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:30:29 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: N5QU Date: 08-May-2025 00:46:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.707	1.707	0.000	94	404263	12.5	13.2	
2 N-Nitrosodimethylamine	74	1.935	1.935	0.000	93	691425	12.5	13.8	
3 Pyridine	79	1.976	1.976	0.000	97	2273593	25.0	27.7	
4 Dimethylformamide	73	2.279	2.279	0.000	94	783926	12.5	14.0	
5 2-Picoline	93	2.571	2.571	0.000	90	1079817	12.5	14.4	
6 N-Nitrosomethylethylamine	88	2.653	2.653	0.000	94	455784	12.5	13.5	
7 Methyl methanesulfonate	80	2.922	2.922	0.000	87	742618	12.5	14.0	
$ 9 2-Fluorophenol	112	3.074	3.074	0.000	94	1801443	25.0	29.4	
11 N-Nitrosodiethylamine	102	3.295	3.295	0.000	94	418528	12.5	13.8	
12 Ethyl methanesulfonate	109	3.593	3.593	0.000	94	432170	12.5	13.4	
13 Benzaldehyde	77	3.914	3.914	0.000	89	984917	12.5	13.7	
$ 15 Phenol-d5	99	3.979	3.979	0.000	93	2616078	25.0	28.7	
16 Phenol	94	3.990	3.990	0.000	92	1294706	12.5	13.5	
17 Aniline	93	4.019	4.019	0.000	94	1574648	12.5	14.8	
18 Bis(2-chloroethyl)ether	93	4.078	4.078	0.000	93	934495	12.5	13.3	
19 2-Chlorophenol	128	4.130	4.130	0.000	88	778844	12.5	14.0	
21 1,3-Dichlorobenzene	146	4.276	4.276	0.000	89	852984	12.5	13.6	
* 22 1,4-Dichlorobenzene-d4	152	4.335	4.335	0.000	94	206113	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.352	4.352	0.000	87	877701	12.5	13.3	
26 Benzyl alcohol	108	4.469	4.469	0.000	86	645482	12.5	14.3	
27 1,2-Dichlorobenzene	146	4.492	4.492	0.000	90	838110	12.5	13.9	
29 2-Methylphenol	108	4.580	4.580	0.000	95	904312	12.5	14.8	
30 2,2'-oxybis[1-chloropropane]	45	4.598	4.598	0.000	88	1060422	12.5	13.2	
31 N-Nitrosopyrrolidine	100	4.703	4.703	0.000	85	480939	12.5	13.1	
32 Acetophenone	105	4.726	4.726	0.000	81	1523056	12.5	14.2	
33 N-Nitrosodi-n-propylamine	70	4.726	4.726	0.000	67	911523	12.5	14.0	
34 4-Methylphenol	108	4.732	4.732	0.000	88	1013281	12.5	14.7	
35 N-Nitrosomorpholine	56	4.743	4.743	0.000	88	642676	12.5	13.0	
36 2-Toluidine	106	4.755	4.755	0.000	93	1464843	12.5	14.1	
37 Hexachloroethane	117	4.819	4.819	0.000	94	441662	12.5	13.6	
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	88	2804952	25.0	27.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.884	4.884	0.000	86	1325624	12.5	13.0	
41 N-Nitrosopiperidine	114	5.035	5.035	0.000	79	425210	12.5	12.9	
42 Isophorone	82	5.117	5.117	0.000	96	2314072	12.5	13.0	
43 2-Nitrophenol	139	5.193	5.193	0.000	84	432243	12.5	12.7	
44 2,4-Dimethylphenol	107	5.240	5.240	0.000	95	1083654	12.5	13.7	
46 o,o',o''-Triethylphosphorothioat	198	5.304	5.304	0.000	90	356155	12.5	12.2	
47 Bis(2-chloroethoxy)methane	93	5.333	5.333	0.000	97	1262601	12.5	13.8	
49 2,4-Dichlorophenol	162	5.427	5.427	0.000	94	683688	12.5	13.7	
50 1,2,4-Trichlorobenzene	180	5.503	5.503	0.000	92	737691	12.5	12.8	
* 52 Naphthalene-d8	136	5.555	5.555	0.000	99	831564	5.00	5.00	
53 Naphthalene	128	5.578	5.578	0.000	98	2282465	12.5	12.9	
55 Alpha-Terpineol	59	5.590	5.590	0.000	91	870281	12.5	13.1	
56 4-Chloroaniline	127	5.637	5.637	0.000	93	998975	12.5	13.3	
57 2,6-Dichlorophenol	162	5.643	5.643	0.000	82	699754	12.5	13.7	
58 Hexachloropropene	213	5.660	5.660	0.000	96	557728	12.5	11.8	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	95	522142	12.5	13.8	
61 Quinoline	129	5.900	5.900	0.000	93	1512779	12.5	13.5	
63 N-Nitrosodi-n-butylamine	84	5.964	5.964	0.000	89	956048	12.5	11.8	
62 Caprolactam	113	5.970	5.970	0.000	74	216005	12.5	11.7	
64 p-Phenylene diamine	108	5.981	5.981	0.000	92	935394	12.5	12.9	
65 4-Chloro-3-methylphenol	107	6.110	6.110	0.000	89	923404	12.5	13.1	
66 Safrole, Total	162	6.162	6.162	0.000	73	565909	12.5	12.3	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	89	1339000	12.5	13.0	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	1394804	12.5	13.1	
71 Hexachlorocyclopentadiene	237	6.390	6.390	0.000	95	690356	12.5	13.6	
70 1,2,4,5-Tetrachlorobenzene	216	6.402	6.402	0.000	98	784262	12.5	13.3	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	78	102925	2.00	2.21	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	82	502753	12.5	14.0	
S 24 Dinitrotoluene	165				0		25.0	27.4	
80 2,4,5-Trichlorophenol	196	6.554	6.554	0.000	88	572548	12.5	13.8	
$ 81 2-Fluorobiphenyl (Surr)	172	6.594	6.594	0.000	99	3506039	25.0	26.8	
82 Isosafrole Peak 2	162	6.659	6.659	0.000	80	574498	10.5	10.8	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	1871791	12.5	12.6	
84 2-Chloronaphthalene	162	6.705	6.705	0.000	97	1565031	12.5	14.7	M
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	1272293	12.5	12.7	Ma
86 Phenyl ether	170	6.793	6.793	0.000	84	1019282	12.5	13.4	
87 2-Nitroaniline	138	6.811	6.811	0.000	73	512296	12.5	13.4	
88 1,4-Naphthoquinone	158	6.881	6.881	0.000	69	598945	12.5	13.2	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	211421	12.5	13.1	
90 Dimethyl phthalate	163	6.992	6.992	0.000	95	1809955	12.5	13.2	
91 1,3-Dinitrobenzene	168	7.015	7.015	0.000	78	248245	12.5	12.7	
92 2,6-Dinitrotoluene	165	7.044	7.044	0.000	77	379202	12.5	13.6	
93 Acenaphthylene	152	7.097	7.097	0.000	99	2247578	12.5	13.3	
95 3-Nitroaniline	138	7.202	7.202	0.000	83	448018	12.5	14.1	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	95	463358	5.00	5.00	
97 Acenaphthene	153	7.266	7.266	0.000	97	1546842	12.5	13.0	
98 2,4-Dinitrophenol	184	7.301	7.301	0.000	75	539087	25.0	28.6	
100 4-Nitrophenol	109	7.377	7.377	0.000	81	949846	25.0	28.8	
99 Pentachlorobenzene	250	7.389	7.389	0.000	96	678947	12.5	12.9	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	79	551183	12.5	13.8	
101 Dibenzofuran	168	7.429	7.429	0.000	95	2136199	12.5	13.7	
104 1-Naphthylamine	143	7.505	7.505	0.000	95	1455282	12.5	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	484730	12.5	13.0	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	1508057	12.5	13.4	
107 Diethyl phthalate	149	7.663	7.663	0.000	95	1906694	12.5	13.5	
109 Thionazin	107	7.739	7.739	0.000	73	315236	12.5	12.5	
108 Fluorene	166	7.756	7.756	0.000	94	1664069	12.5	12.9	
110 4-Chlorophenyl phenyl ether	204	7.762	7.762	0.000	94	785899	12.5	13.0	
111 N-Nitro-o-toluidine	152	7.774	7.774	0.000	84	459736	12.5	12.9	
112 4-Nitroaniline	138	7.786	7.786	0.000	73	436079	12.5	13.4	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.809	0.000	67	661398	25.0	29.0	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	66	1140792	10.6	12.1	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	2637199	12.5	14.2	
$ 116 2,4,6-Tribromophenol	330	7.984	7.984	0.000	91	721914	25.0	27.0	
117 Sulfotepp	97	8.037	8.037	0.000	78	457417	12.5	13.6	
118 1,3,5-Trinitrobenzene	213	8.142	8.142	0.000	80	152296	12.5	14.6	
120 cis-Diallate	86	8.153	8.153	0.000	88	610455	9.25	9.89	
119 Phorate	75	8.159	8.159	0.000	92	1581801	12.5	12.6	
121 Phenacetin	108	8.183	8.183	0.000	87	1161394	12.5	14.2	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	73	490758	12.5	14.5	
123 trans-Diallate	86	8.235	8.235	0.000	90	222979	3.25	3.24	
124 Hexachlorobenzene	284	8.270	8.270	0.000	93	617312	12.5	14.2	
125 Dimethoate	87	8.323	8.323	0.000	94	887305	12.5	13.9	
126 Atrazine	200	8.393	8.393	0.000	86	492182	12.5	13.3	
127 Pentachlorophenol	266	8.469	8.469	0.000	90	890363	25.0	31.2	
129 4-Aminobiphenyl	169	8.475	8.475	0.000	91	1892958	12.5	14.2	
128 Pentachloronitrobenzene	237	8.475	8.475	0.000	50	321438	12.5	14.0	
130 Pronamide	173	8.539	8.539	0.000	90	810609	12.5	13.7	
* 131 Phenanthrene-d10	188	8.644	8.644	0.000	96	806658	5.00	5.00	
133 Dinoseb	211	8.650	8.650	0.000	91	411554	12.5	14.2	
134 Disulfoton	88	8.661	8.661	0.000	96	1314600	12.5	13.3	
132 Phenanthrene	178	8.667	8.667	0.000	97	2471761	12.5	13.8	
135 Anthracene	178	8.714	8.714	0.000	98	2563352	12.5	14.3	
136 Carbazole	167	8.878	8.878	0.000	96	2345192	12.5	14.7	
137 Methyl parathion	109	9.012	9.012	0.000	89	716907	12.5	13.9	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	100	3017072	12.5	13.9	
139 Ethyl Parathion	109	9.391	9.391	0.000	80	451263	12.5	13.7	
140 4-Nitroquinoline-1-oxide	190	9.415	9.415	0.000	84	242497	12.5	14.8	
142 Octachlorostyrene	308	9.619	9.619	0.000	90	274037	12.5	13.3	
S 68 Diallate	86				0		12.5	13.1	
143 Isodrin	193	9.654	9.654	0.000	89	296300	12.5	13.3	
144 Fluoranthene	202	9.800	9.800	0.000	99	2807252	12.5	14.4	
145 Benzidine	184	9.946	9.946	0.000	99	6122149	37.5	43.8	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	97	870930	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	2874188	12.5	13.0	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	3779262	25.0	27.2	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	406741	12.5	12.7	
150 Chlorobenzilate	139	10.366	10.366	0.000	81	1006267	12.5	13.4	
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	98	1416672	12.5	13.6	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	1314887	12.5	12.7	
155 2-Acetylaminofluorene	181	10.939	10.939	0.000	92	1017553	12.5	13.3	
S 94 Isosafrole	162				0		12.5	13.0	
157 3,3'-Dichlorobenzidine	252	11.266	11.266	0.000	78	1150819	12.5	14.0	
158 4,4'-Methylene bis(2-chloroanil	231	11.277	11.277	0.000	80	540664	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.277	11.277	0.000	98	2666008	12.5	13.5	
159 Chrysene	228	11.318	11.318	0.000	97	2459963	12.5	13.3	
160 Bis(2-ethylhexyl) phthalate	149	11.365	11.365	0.000	96	1931404	12.5	13.4	
161 6-Methylchrysene	242	11.879	11.879	0.000	99	1633327	12.5	13.0	
162 Di-n-octyl phthalate	149	12.217	12.217	0.000	99	3275901	12.5	13.4	
164 Benzo[b]fluoranthene	252	12.661	12.661	0.000	97	2816736	12.5	13.9	
163 7,12-Dimethylbenz(a)anthracene	256	12.661	12.661	0.000	72	1052763	12.5	13.7	
165 Benzo[k]fluoranthene	252	12.702	12.702	0.000	100	2595135	12.5	12.7	
166 Benzo[a]pyrene	252	13.117	13.117	0.000	78	2607195	12.5	12.4	
* 167 Perylene-d12	264	13.198	13.198	0.000	99	867161	5.00	5.00	
168 3-Methylcholanthrene	268	13.631	13.631	0.000	91	1194794	12.5	12.8	
169 Dibenz[a,h]acridine	279	14.425	14.425	0.000	91	1903740	12.5	12.9	
170 Dibenz[a,j]acridine	279	14.495	14.495	0.000	96	2163927	12.5	12.8	
171 Indeno[1,2,3-cd]pyrene	276	14.717	14.717	0.000	99	2623961	12.5	13.3	
172 Dibenz(a,h)anthracene	278	14.757	14.757	0.000	92	2491240	12.5	13.3	
173 Benzo[g,h,i]perylene	276	15.073	15.073	0.000	98	2597239	12.5	13.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_6_00065 Amount Added: 1.00 Units: mL

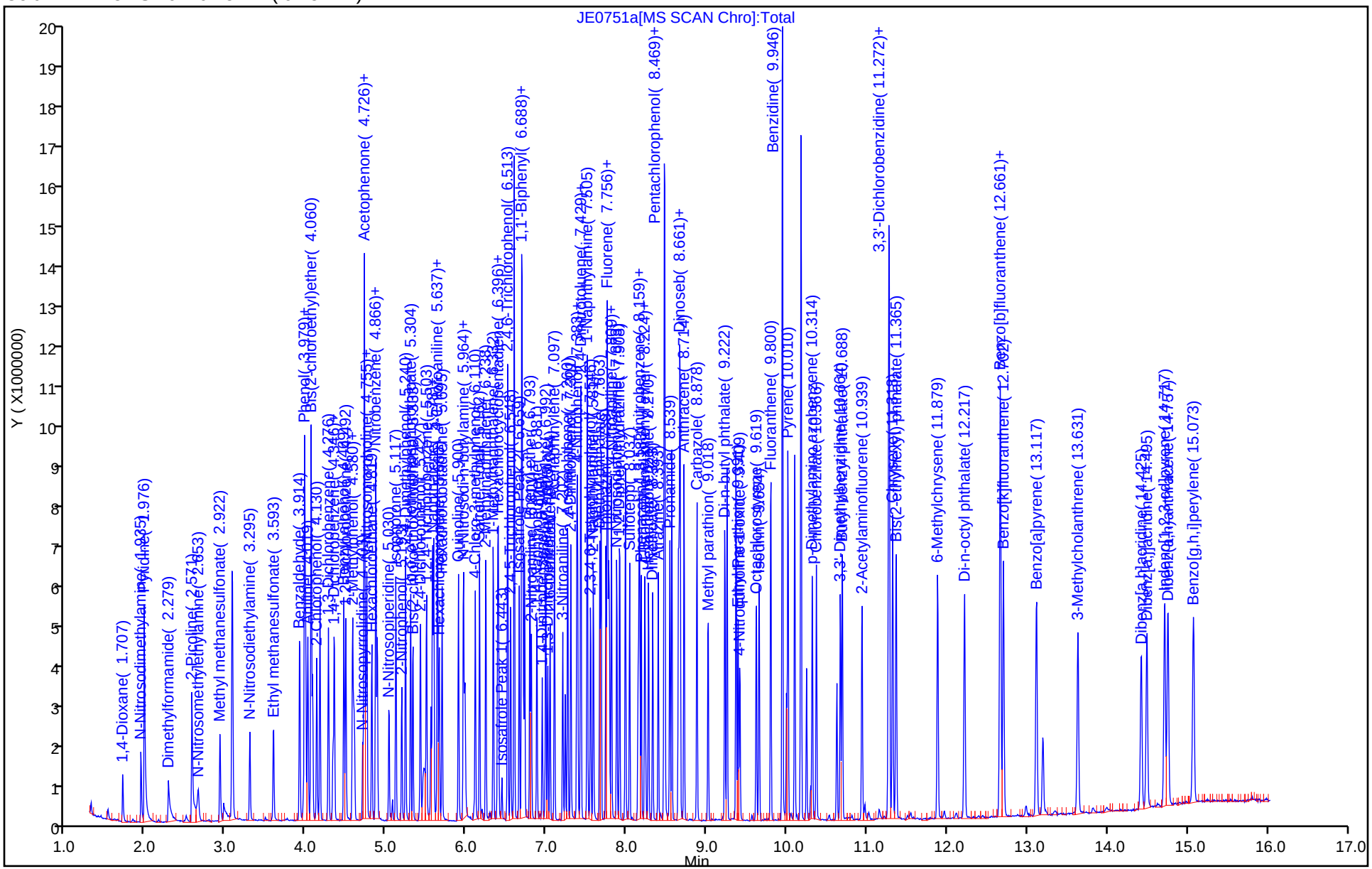
Report Date: 08-May-2025 09:30:30 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0751a.D

Injection Date:	07-May-2025 23:49:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	ICIS L6			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0751a.D				
Injection Date:	07-May-2025 23:49:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

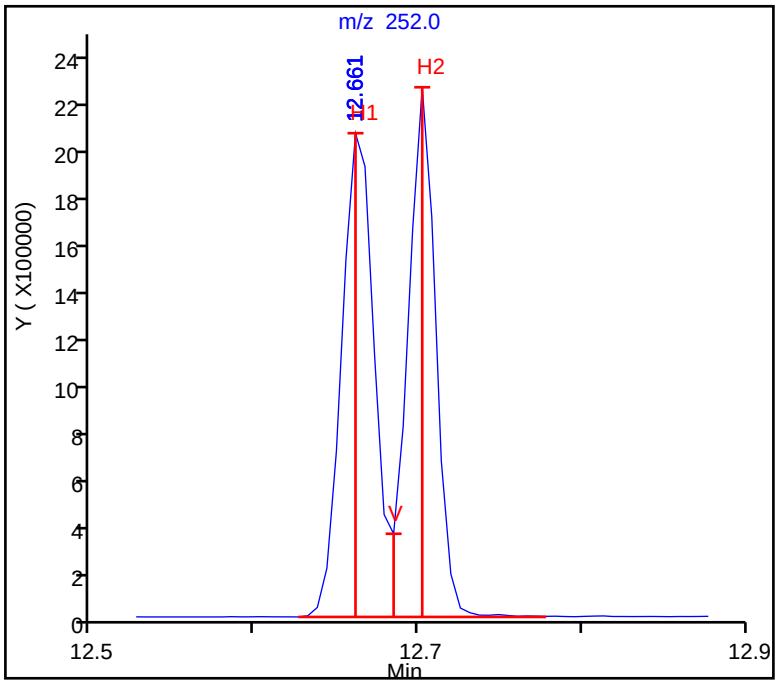
164 Benzo[b]fluoranthene - 165 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 347648
H1(164 Benzo[b]fluoranthen) = 2021888
H2(165 Benzo[k]fluoranthen) = 2213888

Version D: %R = 16.4 <= 50.0
Passed



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

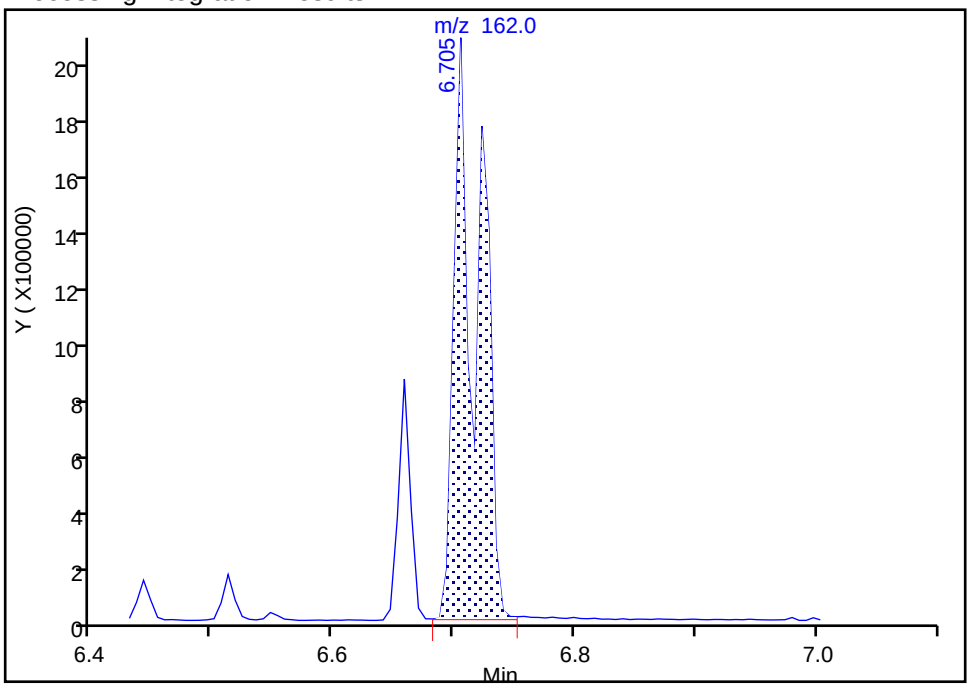
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0751a.D				
Injection Date:	07-May-2025 23:49:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

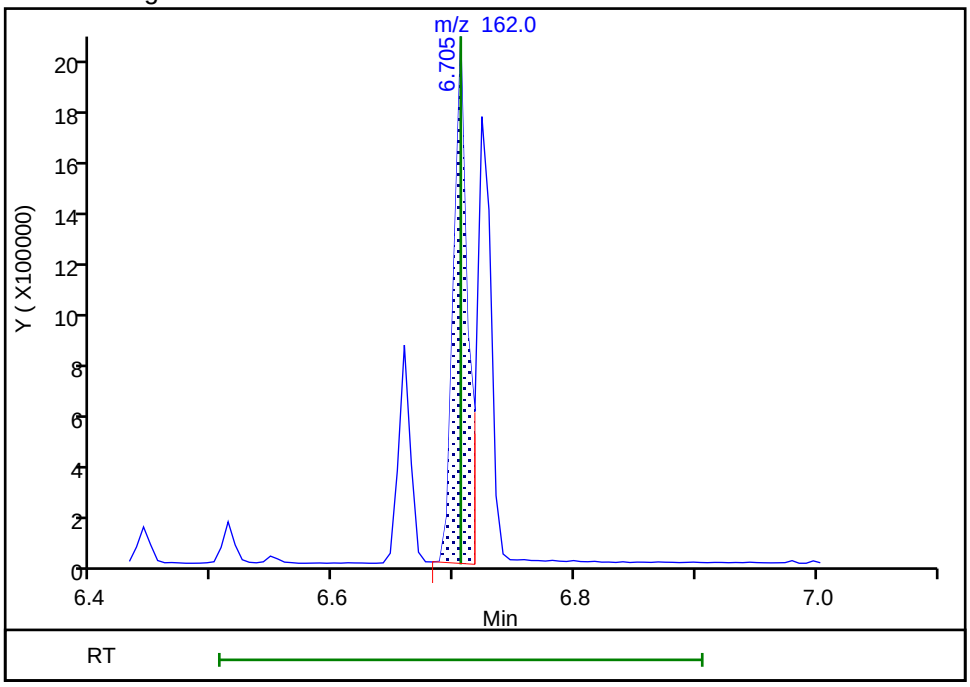
Processing Integration Results

RT: 6.71
Area: 2837327
Amount: 12.858392
Amount Units: ug/ml



Manual Integration Results

RT: 6.71
Area: 1565031
Amount: 14.746651
Amount Units: ug/ml



Reviewer: N5QU, 08-May-2025 00:45:35 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

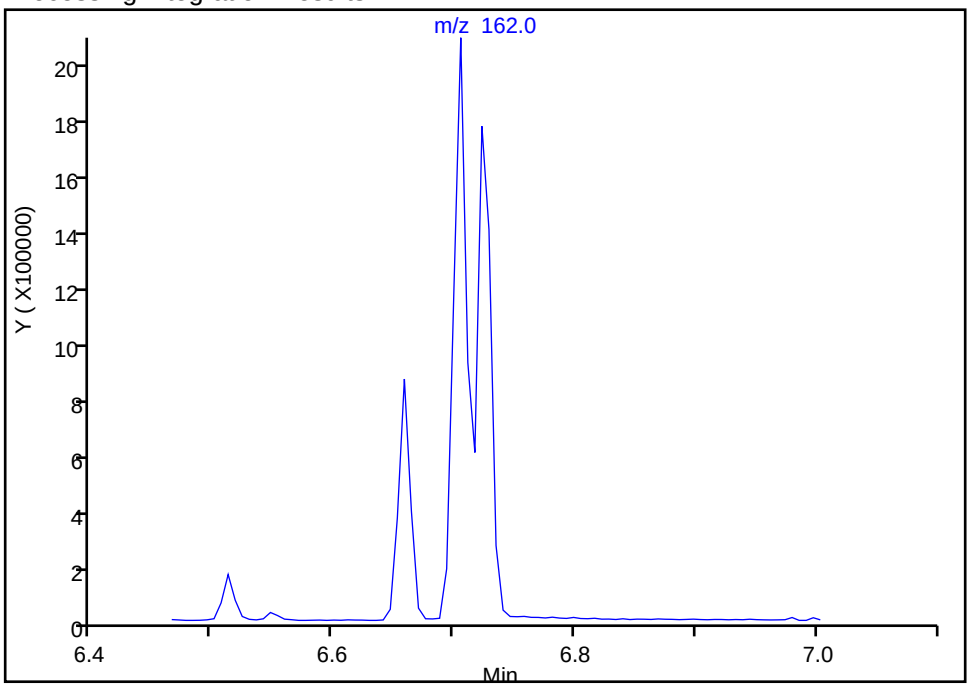
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0751a.D				
Injection Date:	07-May-2025 23:49:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

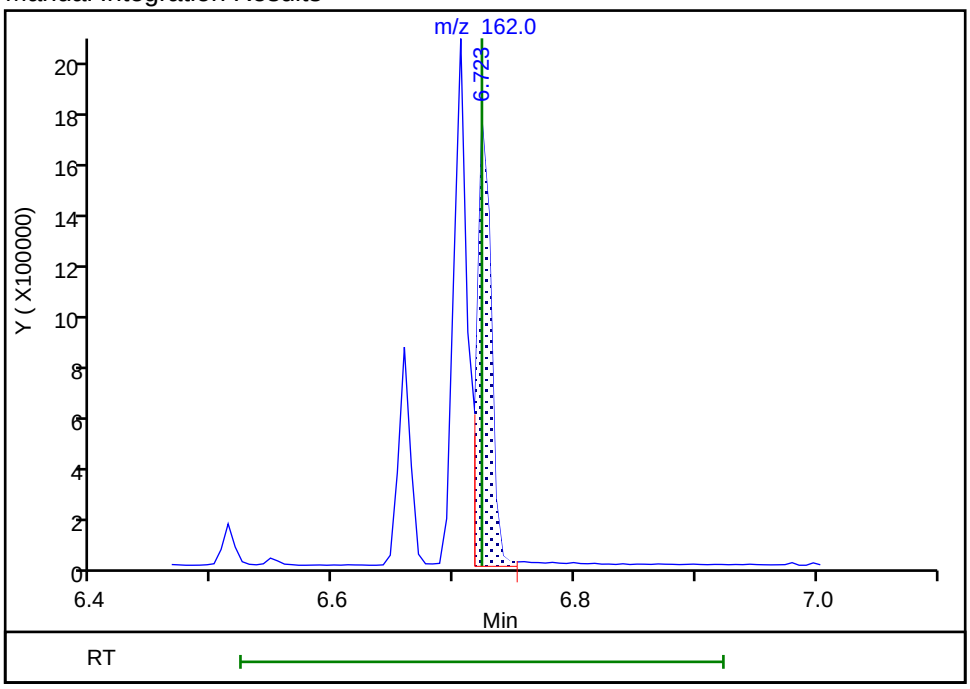
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 1272293
Amount: 12.688580
Amount Units: ug/ml



Reviewer: N5QU, 08-May-2025 00:45:42 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0752.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 08-May-2025 00:10:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0146504-003
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:30:49 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: N5QU Date: 08-May-2025 00:48:27

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.696	1.707	-0.011	94	741228	30.0	27.7	
	2 N-Nitrosodimethylamine	74	1.923	1.935	-0.012	94	1382482	30.0	31.5	
	3 Pyridine	79	1.964	1.976	-0.012	97	4450811	60.0	62.0	
	4 Dimethylformamide	73	2.262	2.279	-0.017	94	1653063	30.0	33.8	
	5 2-Picoline	93	2.560	2.571	-0.011	89	2034040	30.0	31.0	
	6 N-Nitrosomethylethylamine	88	2.641	2.653	-0.012	94	864024	30.0	29.4	
	7 Methyl methanesulfonate	80	2.916	2.922	-0.006	88	1369721	30.0	29.4	
$	9 2-Fluorophenol	112	3.074	3.074	0.000	93	3515494	60.0	65.7	
	11 N-Nitrosodiethylamine	102	3.290	3.295	-0.005	96	869020	30.0	32.9	
	12 Ethyl methanesulfonate	109	3.587	3.593	-0.006	94	867550	30.0	30.8	
	13 Benzaldehyde	77	3.914	3.914	0.000	88	732639	30.0	11.7	
$	15 Phenol-d5	99	3.979	3.979	0.000	93	5230168	60.0	65.6	
	16 Phenol	94	3.990	3.990	0.000	93	2868342	30.0	34.1	
	17 Aniline	93	4.014	4.019	-0.005	94	3183245	30.0	34.3	
	18 Bis(2-chloroethyl)ether	93	4.078	4.078	0.000	93	1813742	30.0	29.6	
	19 2-Chlorophenol	128	4.130	4.130	0.000	88	1551954	30.0	31.9	
	21 1,3-Dichlorobenzene	146	4.276	4.276	0.000	90	1692117	30.0	31.0	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.335	-0.006	94	180187	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.346	4.352	-0.006	85	1683664	30.0	29.2	
	26 Benzyl alcohol	108	4.469	4.469	0.000	86	1297914	30.0	33.0	
	27 1,2-Dichlorobenzene	146	4.492	4.492	0.000	90	1633116	30.0	30.9	
	29 2-Methylphenol	108	4.580	4.580	0.000	95	1752697	30.0	32.7	
	30 2,2'-oxybis[1-chloropropane]	45	4.598	4.598	0.000	87	2037983	30.0	29.1	
	31 N-Nitrosopyrrolidine	100	4.708	4.703	0.005	91	983482	30.0	30.6	
	32 Acetophenone	105	4.720	4.726	-0.006	87	3003676	30.0	31.9	
	33 N-Nitrosodi-n-propylamine	70	4.726	4.726	0.000	84	1803886	30.0	31.6	
	34 4-Methylphenol	108	4.726	4.732	-0.006	92	2078819	30.0	34.5	
	35 N-Nitrosomorpholine	56	4.749	4.743	0.006	83	1368944	30.0	31.7	
	36 2-Toluidine	106	4.755	4.755	0.000	94	2809329	30.0	31.0	
	37 Hexachloroethane	117	4.814	4.819	-0.005	95	847847	30.0	29.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	89	5638985	60.0	65.2	
40 Nitrobenzene	77	4.884	4.884	0.000	85	2704843	30.0	31.9	
41 N-Nitrosopiperidine	114	5.030	5.035	-0.005	79	832402	30.0	30.2	
42 Isophorone	82	5.117	5.117	0.000	96	4654017	30.0	31.4	
43 2-Nitrophenol	139	5.187	5.193	-0.006	83	845920	30.0	29.8	
44 2,4-Dimethylphenol	107	5.240	5.240	0.000	96	2200994	30.0	33.4	
46 o,o',o''-Triethylphosphorothioat	198	5.304	5.304	0.000	90	730862	30.0	30.0	
47 Bis(2-chloroethoxy)methane	93	5.327	5.333	-0.006	96	2400458	30.0	31.6	
49 2,4-Dichlorophenol	162	5.427	5.427	0.000	94	1412259	30.0	33.9	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.503	-0.006	92	1505130	30.0	31.3	
* 52 Naphthalene-d8	136	5.555	5.555	0.000	99	693092	5.00	5.00	
53 Naphthalene	128	5.573	5.578	-0.005	98	4560544	30.0	30.8	
55 Alpha-Terpineol	59	5.590	5.590	0.000	92	1758241	30.0	31.7	
56 4-Chloroaniline	127	5.637	5.637	0.000	92	2058027	30.0	32.9	
57 2,6-Dichlorophenol	162	5.643	5.643	0.000	91	1357740	30.0	31.9	
58 Hexachloropropene	213	5.660	5.660	0.000	97	1199296	30.0	30.5	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	96	1013349	30.0	32.2	
61 Quinoline	129	5.900	5.900	0.000	92	2932925	30.0	31.4	
63 N-Nitrosodi-n-butylamine	84	5.958	5.964	-0.006	88	1947821	30.0	28.9	
62 Caprolactam	113	5.976	5.970	0.006	76	476042	30.0	30.8	
64 p-Phenylene diamine	108	5.981	5.981	0.000	91	1914096	30.0	30.5	
65 4-Chloro-3-methylphenol	107	6.110	6.110	0.000	89	1897476	30.0	32.2	
66 Safrole, Total	162	6.162	6.162	0.000	76	1142523	30.0	29.8	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	89	2644129	30.0	30.7	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	2806979	30.0	31.7	
71 Hexachlorocyclopentadiene	237	6.390	6.390	0.000	97	1353037	30.0	30.1	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.402	-0.006	98	1593176	30.0	30.5	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	77	202326	4.80	4.89	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	84	1033767	30.0	32.3	
S 24 Dinitrotoluene	165				0		60.0	63.0	
80 2,4,5-Trichlorophenol	196	6.554	6.554	0.000	88	1127165	30.0	30.5	
$ 81 2-Fluorobiphenyl (Surr)	172	6.594	6.594	0.000	97	6753511	60.0	58.2	e
82 Isosafrole Peak 2	162	6.659	6.659	0.000	80	1129777	25.2	24.0	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	96	3872032	30.0	29.4	
84 2-Chloronaphthalene	162	6.705	6.705	0.000	97	3232872	30.0	34.3	M
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	2478110	30.0	27.8	Ma
86 Phenyl ether	170	6.787	6.793	-0.006	84	2007598	30.0	29.7	
87 2-Nitroaniline	138	6.811	6.811	0.001	73	1054341	30.0	31.0	
88 1,4-Naphthoquinone	158	6.881	6.881	0.000	68	1187718	30.0	29.6	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	446970	30.0	31.1	
90 Dimethyl phthalate	163	6.992	6.992	0.000	95	3623404	30.0	29.8	
91 1,3-Dinitrobenzene	168	7.015	7.015	0.000	78	520365	30.0	30.0	
92 2,6-Dinitrotoluene	165	7.044	7.044	0.000	78	768667	30.0	31.1	
93 Acenaphthylene	152	7.097	7.097	0.000	99	4539360	30.0	30.2	
95 3-Nitroaniline	138	7.202	7.202	0.000	83	912441	30.0	32.4	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	95	411545	5.00	5.00	
97 Acenaphthene	153	7.260	7.266	-0.006	97	3148199	30.0	29.7	
98 2,4-Dinitrophenol	184	7.307	7.301	0.006	75	1130648	60.0	67.6	
100 4-Nitrophenol	109	7.383	7.377	0.006	86	1882603	60.0	64.2	
99 Pentachlorobenzene	250	7.389	7.389	0.000	96	1365449	30.0	29.3	
102 2,4-Dinitrotoluene	165	7.429	7.424	0.005	69	1129324	30.0	31.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.429	7.429	0.000	92	4112600	30.0	29.8	
104 1-Naphthylamine	143	7.505	7.505	0.000	96	3045394	30.0	32.1	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	1005883	30.0	30.3	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	3027020	30.0	30.2	
107 Diethyl phthalate	149	7.663	7.663	0.000	95	3865225	30.0	30.7	
109 Thionazin	107	7.745	7.739	0.006	75	688846	30.0	30.8	
108 Fluorene	166	7.756	7.756	0.000	97	3350904	30.0	29.3	
110 4-Chlorophenyl phenyl ether	204	7.762	7.762	0.000	94	1590328	30.0	29.5	
111 N-Nitro-o-toluidine	152	7.774	7.774	0.000	84	905501	30.0	28.5	
112 4-Nitroaniline	138	7.791	7.786	0.005	73	863765	30.0	29.9	
113 4,6-Dinitro-2-methylphenol	198	7.815	7.809	0.006	69	1439631	60.0	63.4	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	65	2306588	25.5	24.5	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	5515215	30.0	29.8	
$ 116 2,4,6-Tribromophenol	330	7.984	7.984	0.000	92	1486988	60.0	62.7	
117 Sulfotepp	97	8.037	8.037	0.000	79	969859	30.0	29.0	
118 1,3,5-Trinitrobenzene	213	8.148	8.142	0.006	81	338234	30.0	32.7	
120 cis-Diallate	86	8.148	8.153	-0.005	87	1295162	22.2	21.1	
119 Phorate	75	8.159	8.159	0.000	93	4960785	30.0	39.5	
121 Phenacetin	108	8.189	8.183	0.006	87	2461722	30.0	30.2	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	71	1015919	30.0	30.1	
123 trans-Diallate	86	8.235	8.235	0.000	90	472217	7.80	6.89	
124 Hexachlorobenzene	284	8.270	8.270	0.000	93	1259772	30.0	29.0	
125 Dimethoate	87	8.329	8.323	0.006	95	1856712	30.0	29.2	
126 Atrazine	200	8.393	8.393	0.000	86	931351	30.0	25.3	
127 Pentachlorophenol	266	8.469	8.469	0.000	91	1785379	60.0	62.8	
129 4-Aminobiphenyl	169	8.475	8.475	0.000	91	3927813	30.0	29.6	
128 Pentachloronitrobenzene	237	8.475	8.475	0.000	52	677592	30.0	29.6	
130 Pronamide	173	8.539	8.539	0.000	89	1699591	30.0	28.8	
* 131 Phenanthrene-d10	188	8.644	8.644	0.000	96	803087	5.00	5.00	
133 Dinoseb	211	8.650	8.650	0.000	90	933195	30.0	32.4	
134 Disulfoton	88	8.661	8.661	0.000	96	2783115	30.0	28.2	
132 Phenanthrene	178	8.667	8.667	0.000	96	5353917	30.0	30.1	
135 Anthracene	178	8.714	8.714	0.000	98	5388972	30.0	30.1	
136 Carbazole	167	8.878	8.878	0.000	96	4951156	30.0	31.2	
137 Methyl parathion	109	9.012	9.012	0.000	89	1576568	30.0	30.8	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	6298265	30.0	29.2	e
139 Ethyl Parathion	109	9.386	9.391	-0.005	81	998334	30.0	30.4	
140 4-Nitroquinoline-1-oxide	190	9.415	9.415	0.000	86	546398	30.0	33.5	
142 Octachlorostyrene	308	9.613	9.619	-0.006	91	544207	30.0	26.5	
S 68 Diallate	86				0		30.0	28.0	
143 Isodrin	193	9.648	9.654	-0.006	89	640120	30.0	29.0	
144 Fluoranthene	202	9.800	9.800	0.000	98	5976422	30.0	30.8	
145 Benzidine	184	9.946	9.946	0.000	94	9306451	90.0	72.5	e
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	98	801148	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	6141884	30.0	30.3	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	7612471	60.0	59.6	e
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	877791	30.0	29.8	
150 Chlorobenzilate	139	10.366	10.366	0.000	81	2130642	30.0	30.9	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	2779104	30.0	28.9	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	93	2922614	30.0	30.7	
155 2-Acetylaminofluorene	181	10.939	10.939	0.000	93	2339837	30.0	33.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		30.0	28.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.266	0.000	78	2455570	30.0	32.4	
158 4,4'-Methylene bis(2-chloroanil	231	11.277	11.277	0.000	90	1104128	30.0	29.8	
156 Benzo[a]anthracene	228	11.277	11.277	0.000	99	5714915	30.0	31.5	
159 Chrysene	228	11.318	11.318	0.000	97	5261375	30.0	31.0	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.365	-0.006	96	4224302	30.0	31.8	
S 103 Aramite, Total	185		11.583				30.0	ND	
161 6-Methylchrysene	242	11.879	11.879	0.000	99	3592607	30.0	31.0	
162 Di-n-octyl phthalate	149	12.212	12.217	-0.005	99	7164621	30.0	32.6	
164 Benzo[b]fluoranthene	252	12.667	12.661	0.006	96	5907431	30.0	32.5	
163 7,12-Dimethylbenz(a)anthracene	256	12.667	12.661	0.006	75	2326029	30.0	33.5	
165 Benzo[k]fluoranthene	252	12.702	12.702	0.000	100	5527501	30.0	30.0	
166 Benzo[a]pyrene	252	13.117	13.117	0.000	78	5498969	30.0	29.1	
* 167 Perylene-d12	264	13.193	13.198	-0.005	99	780877	5.00	5.00	
168 3-Methylcholanthrene	268	13.631	13.631	0.001	91	2597295	30.0	31.0	
169 Dibenz[a,h]acridine	279	14.419	14.425	-0.006	91	4101891	30.0	30.9	
170 Dibenz[a,j]acridine	279	14.495	14.495	0.000	96	4692815	30.0	30.8	
171 Indeno[1,2,3-cd]pyrene	276	14.717	14.717	0.000	99	5459521	30.0	30.7	
172 Dibenz(a,h)anthracene	278	14.757	14.757	0.000	92	5271458	30.0	31.2	
173 Benzo[g,h,i]perylene	276	15.079	15.073	0.006	98	5416409	30.0	31.2	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_8_00042 Amount Added: 1.00 Units: mL

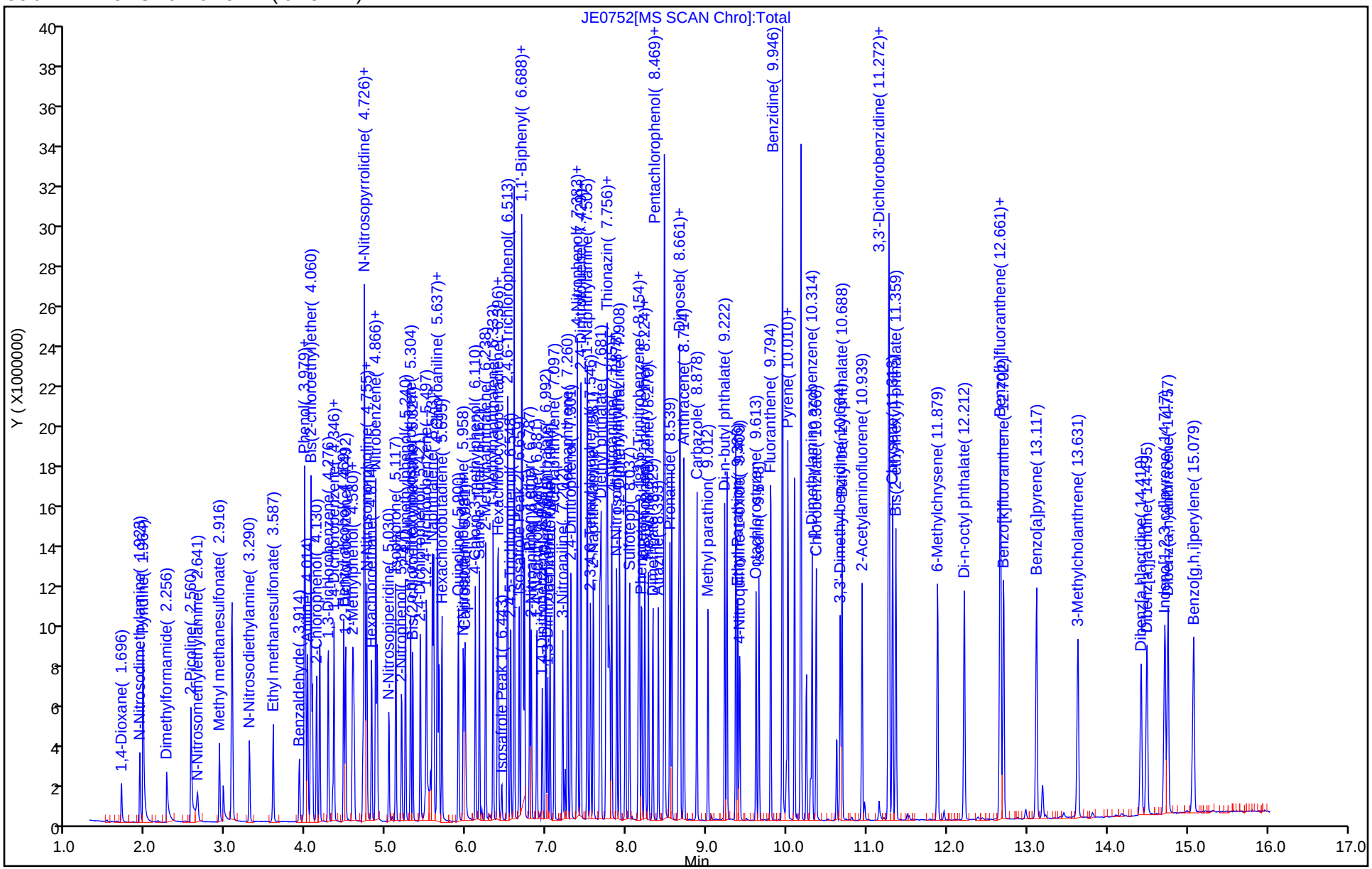
Report Date: 08-May-2025 09:30:49 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0752.D

Injection Date:	08-May-2025 00:10:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L8			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

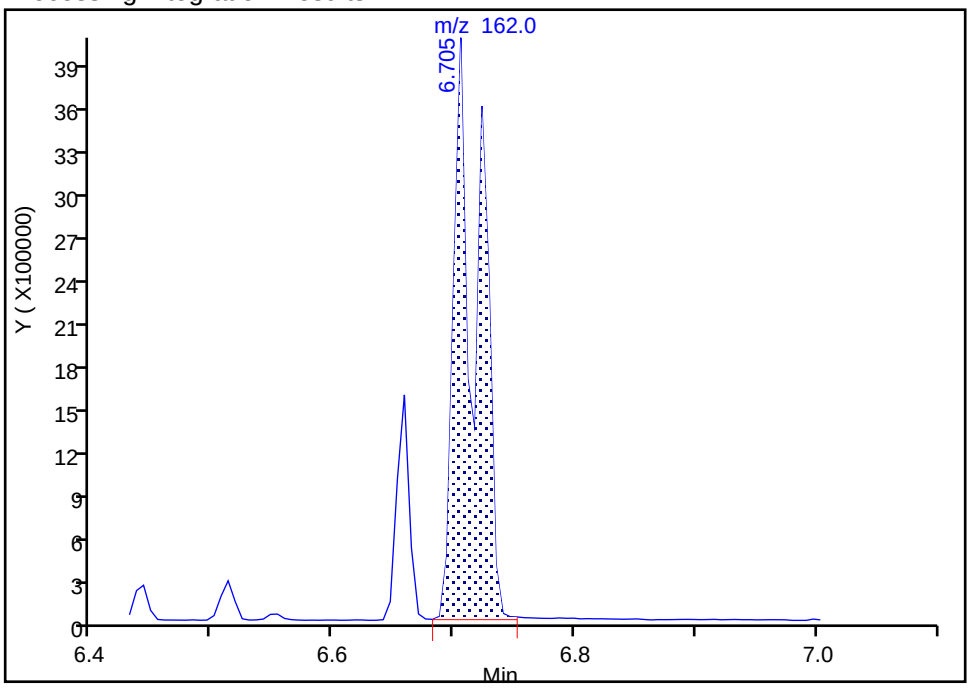
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0752.D
Injection Date: 08-May-2025 00:10:30 Instrument ID: HP23264
Lims ID: IC L8
Client ID:
Operator ID: IR93211 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

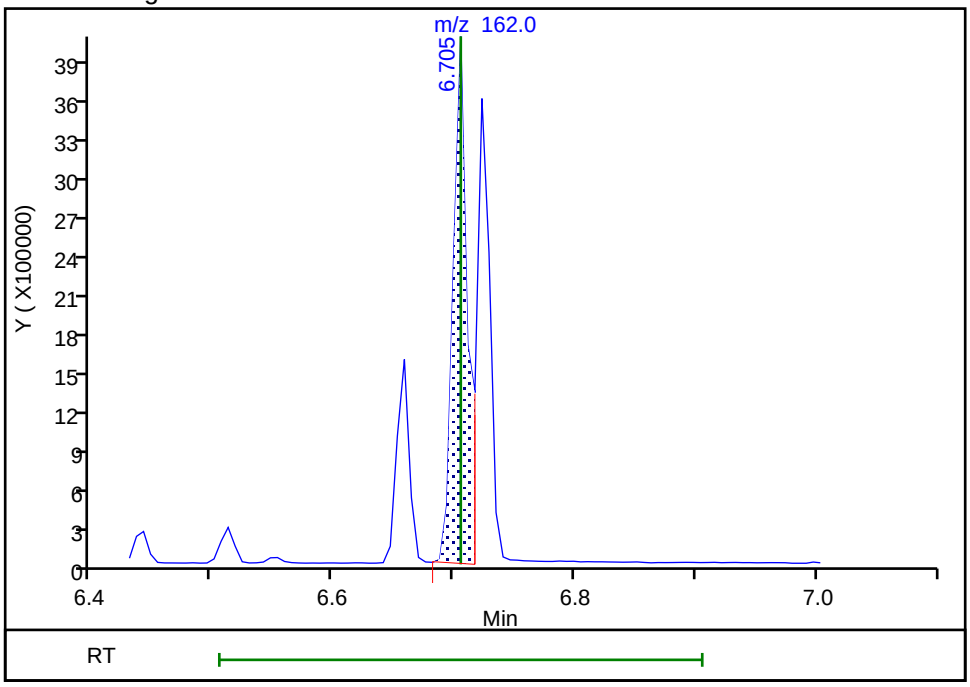
Processing Integration Results

RT: 6.71
Area: 5710983
Amount: 37.875214
Amount Units: ug/ml



Manual Integration Results

RT: 6.71
Area: 3232872
Amount: 34.297172
Amount Units: ug/ml



Reviewer: N5QU, 08-May-2025 00:48:17 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

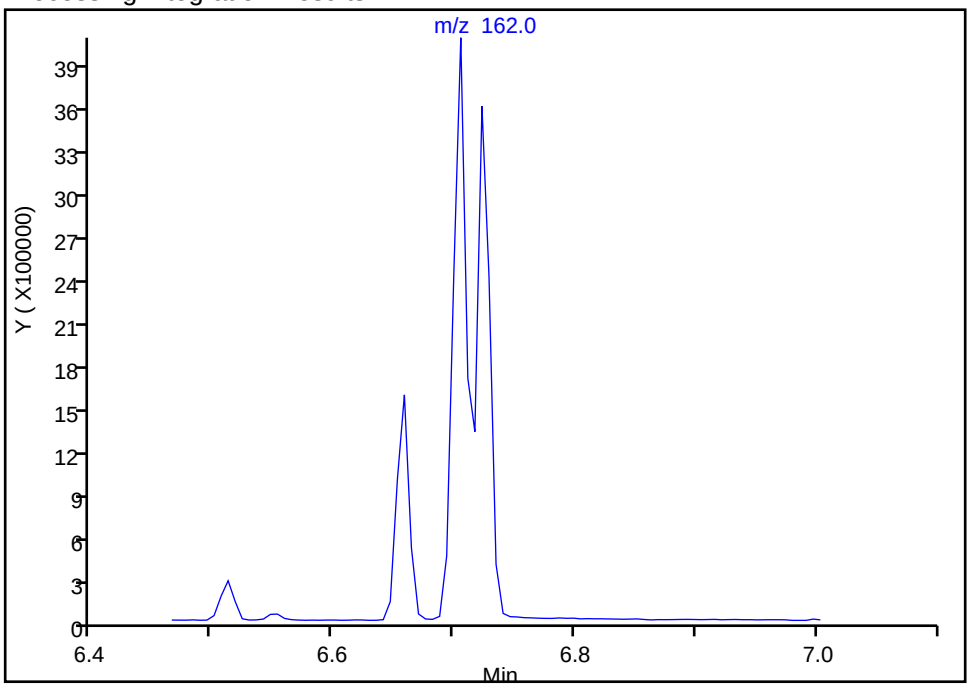
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0752.D
Injection Date: 08-May-2025 00:10:30 Instrument ID: HP23264
Lims ID: IC L8
Client ID:
Operator ID: IR93211 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

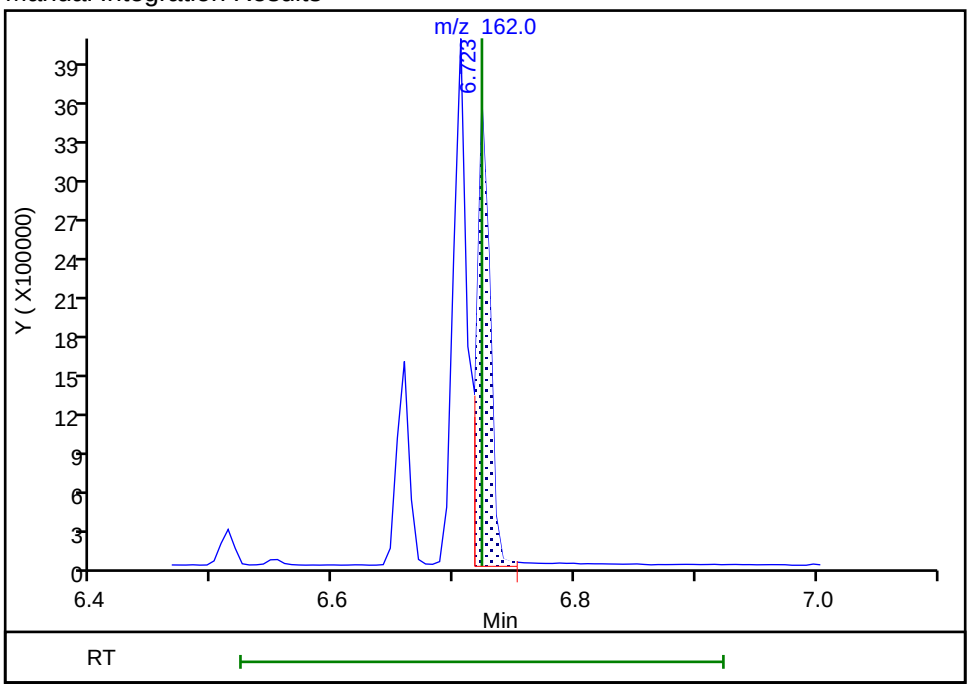
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 2478110
Amount: 27.825681
Amount Units: ug/ml



Reviewer: N5QU, 08-May-2025 00:48:24 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

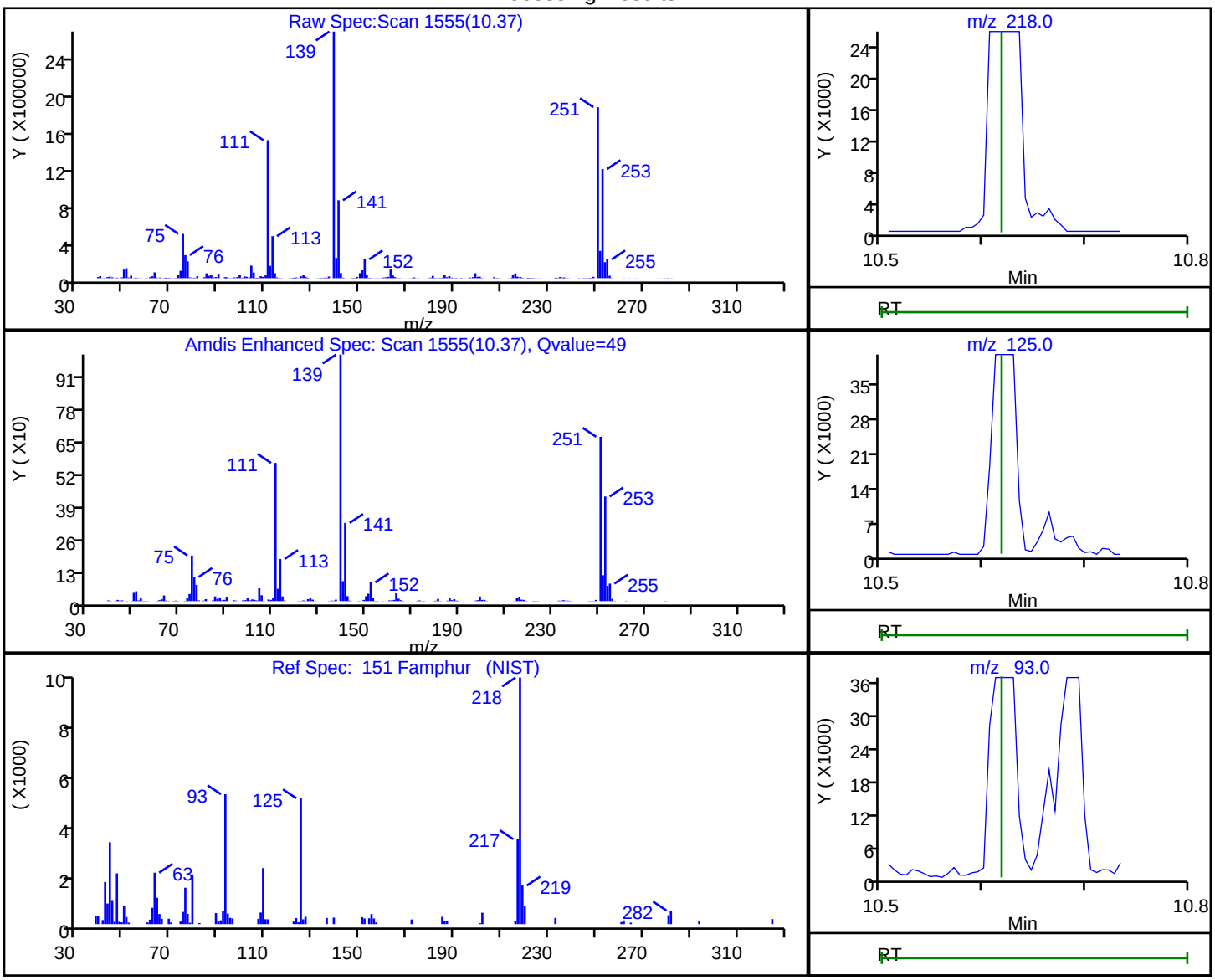
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0752.D				
Injection Date:	08-May-2025 00:10:30	Instrument ID:	HP23264		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
10.37	218.00	10945	30.000000
10.37	125.00	16392	
10.37	93.00	16003	

Reviewer: N5QU, 08-May-2025 00:50:24 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0753.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 08-May-2025 00:31:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0146504-004
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:31:09 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: N5QU Date: 08-May-2025 00:54:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.696	1.707	-0.011	92	552188	20.0	19.0	
2 N-Nitrosodimethylamine	74	1.923	1.935	-0.012	93	964548	20.0	20.2	
3 Pyridine	79	1.964	1.976	-0.012	97	3150074	40.0	40.3	
4 Dimethylformamide	73	2.262	2.279	-0.017	94	1065668	20.0	20.0	
5 2-Picoline	93	2.560	2.571	-0.011	89	1405312	20.0	19.7	
6 N-Nitrosomethylethylamine	88	2.642	2.653	-0.011	95	618516	20.0	19.3	
7 Methyl methanesulfonate	80	2.916	2.922	-0.006	87	950633	20.0	18.8	
$ 9 2-Fluorophenol	112	3.074	3.074	0.000	93	2486866	40.0	42.7	
11 N-Nitrosodiethylamine	102	3.290	3.295	-0.005	94	594803	20.0	20.7	
12 Ethyl methanesulfonate	109	3.588	3.593	-0.005	94	619010	20.0	20.2	
13 Benzaldehyde	77	3.915	3.914	0.001	90	880573	20.0	12.9	
$ 15 Phenol-d5	99	3.979	3.979	0.000	93	3601673	40.0	41.5	
16 Phenol	94	3.990	3.990	0.000	93	1976971	20.0	21.6	
17 Aniline	93	4.014	4.019	-0.005	94	2227705	20.0	22.0	
18 Bis(2-chloroethyl)ether	93	4.078	4.078	0.000	92	1289617	20.0	19.3	
19 2-Chlorophenol	128	4.125	4.130	-0.005	88	1083595	20.0	20.4	
21 1,3-Dichlorobenzene	146	4.277	4.276	0.001	91	1194608	20.0	20.1	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.335	-0.006	95	196082	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.347	4.352	-0.005	87	1216913	20.0	19.4	
26 Benzyl alcohol	108	4.463	4.469	-0.006	85	905889	20.0	21.2	
27 1,2-Dichlorobenzene	146	4.493	4.492	0.001	90	1173690	20.0	20.4	
29 2-Methylphenol	108	4.574	4.580	-0.006	95	1249820	20.0	21.4	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.598	-0.006	88	1466206	20.0	19.3	
31 N-Nitrosopyrrolidine	100	4.703	4.703	0.000	88	708979	20.0	20.2	
32 Acetophenone	105	4.720	4.726	-0.006	94	2118938	20.0	20.7	
33 N-Nitrosodi-n-propylamine	70	4.726	4.726	0.000	82	1294540	20.0	20.8	
34 4-Methylphenol	108	4.726	4.732	-0.006	90	1285734	20.0	19.6	
35 N-Nitrosomorpholine	56	4.744	4.743	0.001	86	968910	20.0	20.6	
36 2-Toluidine	106	4.755	4.755	0.000	94	1957524	20.0	19.8	
37 Hexachloroethane	117	4.814	4.819	-0.005	95	600140	20.0	19.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	88	3859543	40.0	41.9	
40 Nitrobenzene	77	4.884	4.884	0.000	86	1863013	20.0	20.6	
41 N-Nitrosopiperidine	114	5.030	5.035	-0.005	80	572554	20.0	19.5	
42 Isophorone	82	5.117	5.117	0.000	96	3336829	20.0	21.2	
43 2-Nitrophenol	139	5.187	5.193	-0.006	84	599863	20.0	19.9	
44 2,4-Dimethylphenol	107	5.240	5.240	0.000	95	1537865	20.0	21.9	
46 o,o',o''-Triethylphosphorothioat	198	5.304	5.304	0.000	91	497898	20.0	19.2	
47 Bis(2-chloroethoxy)methane	93	5.328	5.333	-0.005	97	1767772	20.0	21.9	
49 2,4-Dichlorophenol	162	5.421	5.427	-0.006	93	951237	20.0	21.5	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.503	-0.006	92	1072486	20.0	21.0	
* 52 Naphthalene-d8	136	5.555	5.555	0.000	99	737191	5.00	5.00	
53 Naphthalene	128	5.573	5.578	-0.005	98	3242450	20.0	20.6	
55 Alpha-Terpineol	59	5.590	5.590	0.000	92	1243117	20.0	21.1	
56 4-Chloroaniline	127	5.631	5.637	-0.006	91	1431074	20.0	21.5	
57 2,6-Dichlorophenol	162	5.637	5.643	-0.006	84	970402	20.0	21.4	
58 Hexachloropropene	213	5.655	5.660	-0.005	96	827291	20.0	19.8	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	96	722990	20.0	21.6	
61 Quinoline	129	5.894	5.900	-0.006	92	2088307	20.0	21.0	
63 N-Nitrosodi-n-butylamine	84	5.958	5.964	-0.006	88	1384974	20.0	19.3	
62 Caprolactam	113	5.970	5.970	0.000	76	330797	20.0	20.1	
64 p-Phenylene diamine	108	5.982	5.981	0.001	92	1251827	20.0	19.0	
65 4-Chloro-3-methylphenol	107	6.110	6.110	0.000	89	1318534	20.0	21.1	
66 Safrole, Total	162	6.163	6.162	0.001	73	782784	20.0	19.2	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	89	1925646	20.0	21.0	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	1960829	20.0	20.8	
71 Hexachlorocyclopentadiene	237	6.384	6.390	-0.006	95	953909	20.0	19.9	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.402	-0.006	98	1119948	20.0	20.2	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	83	145238	3.20	3.30	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	721285	20.0	21.2	
S 24 Dinitrotoluene	165				0		40.0	41.9	
80 2,4,5-Trichlorophenol	196	6.548	6.554	-0.006	88	812668	20.0	20.7	
$ 81 2-Fluorobiphenyl (Surr)	172	6.595	6.594	0.001	99	5159555	40.0	41.8	
82 Isosafrole Peak 2	162	6.659	6.659	0.000	79	783753	16.8	15.6	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	96	2700258	20.0	19.3	
84 2-Chloronaphthalene	162	6.706	6.705	0.001	95	1990056	20.0	19.8	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	2054262	20.0	21.7	
86 Phenyl ether	170	6.787	6.793	-0.006	83	1437067	20.0	20.0	
87 2-Nitroaniline	138	6.805	6.811	-0.005	73	723835	20.0	20.0	
88 1,4-Naphthoquinone	158	6.875	6.881	-0.006	68	838802	20.0	19.6	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	83	295027	20.0	19.3	
90 Dimethyl phthalate	163	6.986	6.992	-0.006	95	2588553	20.0	20.0	
91 1,3-Dinitrobenzene	168	7.015	7.015	0.000	79	370275	20.0	20.1	
92 2,6-Dinitrotoluene	165	7.044	7.044	0.000	78	537699	20.0	20.4	
93 Acenaphthylene	152	7.097	7.097	0.000	99	3251906	20.0	20.4	
95 3-Nitroaniline	138	7.202	7.202	0.000	82	637824	20.0	21.3	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	95	437793	5.00	5.00	
97 Acenaphthene	153	7.260	7.266	-0.006	97	2236765	20.0	19.9	
98 2,4-Dinitrophenol	184	7.301	7.301	0.000	75	780362	40.0	43.8	
100 4-Nitrophenol	109	7.377	7.377	0.000	81	1297371	40.0	41.6	
99 Pentachlorobenzene	250	7.383	7.389	-0.006	96	974337	20.0	19.6	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	77	807008	20.0	21.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.430	7.429	0.001	95	2953275	20.0	20.1	
104 1-Naphthylamine	143	7.506	7.505	0.001	95	2059319	20.0	20.4	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	76	724260	20.0	20.5	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	2123566	20.0	19.9	
107 Diethyl phthalate	149	7.663	7.663	0.000	95	2745146	20.0	20.5	
109 Thionazin	107	7.739	7.739	0.000	73	496165	20.0	20.8	
108 Fluorene	166	7.751	7.756	-0.005	91	2340117	20.0	19.2	
110 4-Chlorophenyl phenyl ether	204	7.757	7.762	-0.005	93	1141239	20.0	19.9	
111 N-Nitro-o-toluidine	152	7.774	7.774	0.000	87	655294	20.0	19.4	
112 4-Nitroaniline	138	7.786	7.786	0.000	73	617771	20.0	20.1	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.809	0.000	68	1030068	40.0	45.2	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	66	1611027	17.0	17.1	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	3903575	20.0	21.0	
$ 116 2,4,6-Tribromophenol	330	7.984	7.984	0.000	93	1079836	40.0	42.8	
117 Sulfotepp	97	8.031	8.037	-0.006	77	684537	20.0	20.4	
118 1,3,5-Trinitrobenzene	213	8.142	8.142	0.000	81	214599	20.0	20.7	
120 cis-Diallate	86	8.148	8.153	-0.005	84	920886	14.8	14.9	
119 Phorate	75	8.160	8.159	0.001	93	2365542	20.0	18.8	
121 Phenacetin	108	8.183	8.183	0.000	88	1723793	20.0	21.1	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	71	723035	20.0	21.4	
123 trans-Diallate	86	8.235	8.235	0.000	92	317855	5.20	4.62	
124 Hexachlorobenzene	284	8.270	8.270	0.000	93	864599	20.0	19.9	
125 Dimethoate	87	8.323	8.323	0.000	94	1317002	20.0	20.7	
126 Atrazine	200	8.393	8.393	0.000	86	696627	20.0	18.9	
127 Pentachlorophenol	266	8.469	8.469	0.000	91	1241435	40.0	43.5	
129 4-Aminobiphenyl	169	8.475	8.475	0.000	92	2704110	20.0	20.3	
128 Pentachloronitrobenzene	237	8.475	8.475	0.000	51	443013	20.0	19.3	
130 Pronamide	173	8.539	8.539	0.000	89	1180938	20.0	19.9	
* 131 Phenanthrene-d10	188	8.644	8.644	0.000	96	805341	5.00	5.00	
133 Dinoseb	211	8.650	8.650	0.000	91	624042	20.0	21.6	
134 Disulfoton	88	8.656	8.661	-0.005	96	1953002	20.0	19.7	
132 Phenanthrene	178	8.668	8.667	0.001	99	3594265	20.0	20.1	
135 Anthracene	178	8.714	8.714	0.000	99	3727435	20.0	20.8	
136 Carbazole	167	8.878	8.878	0.000	97	3462827	20.0	21.8	
137 Methyl parathion	109	9.012	9.012	0.000	89	1061994	20.0	20.7	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	4557324	20.0	21.1	
139 Ethyl Parathion	109	9.386	9.391	-0.005	80	738416	20.0	22.4	
140 4-Nitroquinoline-1-oxide	190	9.409	9.415	-0.006	85	368304	20.0	22.5	
142 Octachlorostyrene	308	9.613	9.619	-0.006	91	396213	20.0	19.2	
S 68 Diallate	86				0		20.0	19.6	
143 Isodrin	193	9.648	9.654	-0.006	89	455117	20.0	20.5	
144 Fluoranthene	202	9.794	9.800	-0.006	99	4223194	20.0	21.7	
145 Benzidine	184	9.946	9.946	0.000	99	7970064	60.0	61.7	e
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	97	806026	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	4255785	20.0	20.9	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	5650213	40.0	44.0	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	584474	20.0	19.7	
150 Chlorobenzilate	139	10.367	10.366	0.001	82	1534718	20.0	22.1	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	98	1948308	20.0	20.2	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	93	2052589	20.0	21.4	
155 2-Acetylaminofluorene	181	10.939	10.939	0.000	92	1562162	20.0	22.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		20.0	18.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.266	0.000	78	1696833	20.0	22.2	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.277	-0.005	87	772230	20.0	20.7	
156 Benzo[a]anthracene	228	11.278	11.277	0.001	99	3920574	20.0	21.5	
159 Chrysene	228	11.318	11.318	0.000	97	3580187	20.0	21.0	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.365	-0.006	96	3003613	20.0	22.5	
S 103 Aramite, Total	185		11.583				20.0	ND	
161 6-Methylchrysene	242	11.879	11.879	0.000	99	2450330	20.0	21.0	
162 Di-n-octyl phthalate	149	12.212	12.217	-0.005	99	5033721	20.0	23.3	
164 Benzo[b]fluoranthene	252	12.661	12.661	0.000	96	3876112	20.0	21.7	
163 7,12-Dimethylbenz(a)anthracene	256	12.661	12.661	0.000	72	1515484	20.0	22.2	
165 Benzo[k]fluoranthene	252	12.702	12.702	0.000	100	3939512	20.0	21.8	
166 Benzo[a]pyrene	252	13.111	13.117	-0.006	78	3796128	20.0	20.5	
* 167 Perylene-d12	264	13.193	13.198	-0.005	98	767251	5.00	5.00	
168 3-Methylcholanthrene	268	13.631	13.631	0.001	90	1745830	20.0	21.2	
169 Dibenz[a,h]acridine	279	14.419	14.425	-0.006	92	2774940	20.0	21.3	
170 Dibenz[a,j]acridine	279	14.489	14.495	-0.006	96	3141039	20.0	21.0	
171 Indeno[1,2,3-cd]pyrene	276	14.711	14.717	-0.006	99	3736568	20.0	21.4	
172 Dibenz(a,h)anthracene	278	14.752	14.757	-0.005	92	3647088	20.0	22.0	
173 Benzo[g,h,i]perylene	276	15.073	15.073	0.000	98	3697286	20.0	21.7	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

e - Potential Peak Saturated

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_7_00043 Amount Added: 1.00 Units: mL

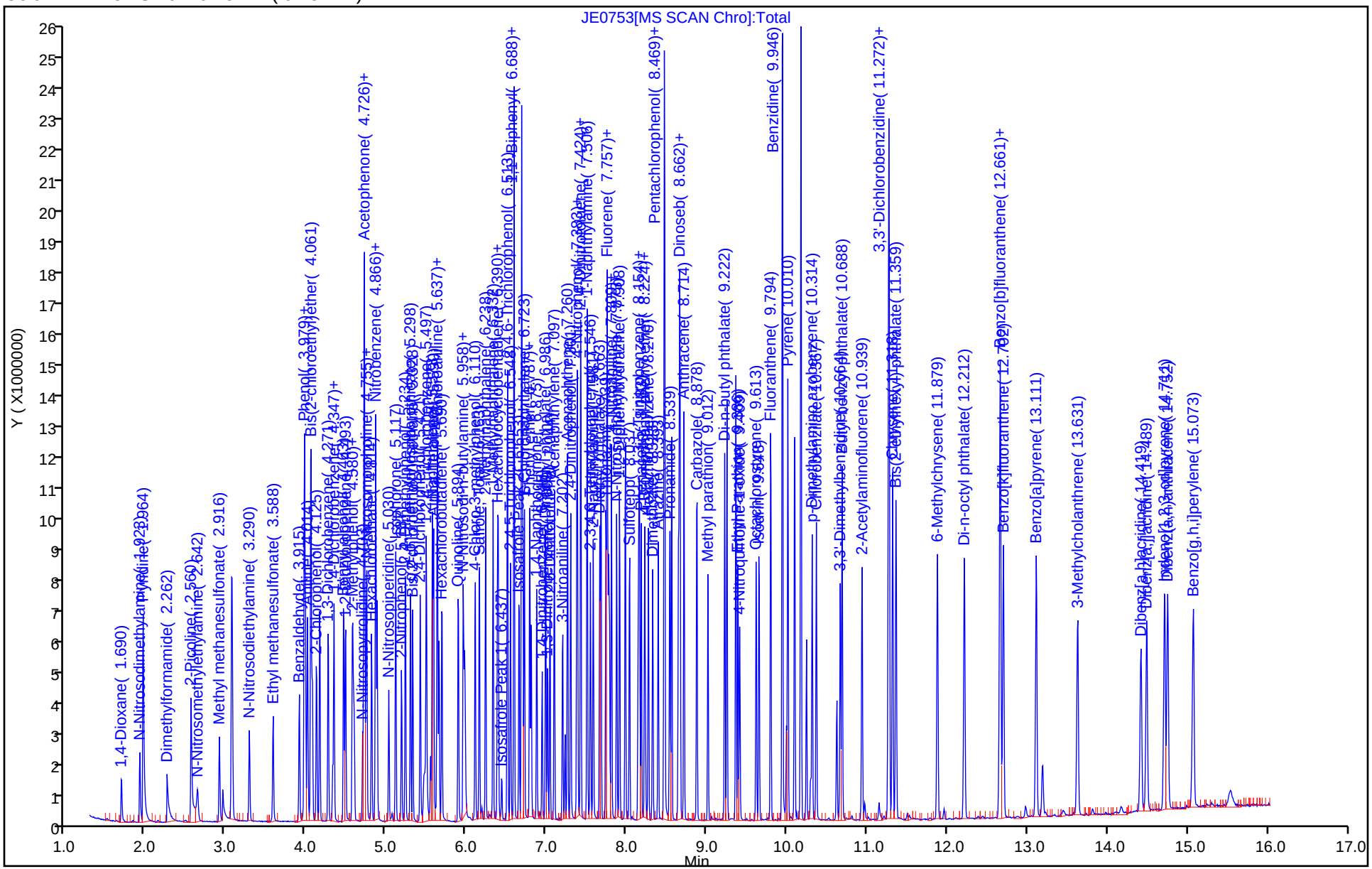
Report Date: 08-May-2025 09:31:10 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0753.D

Injection Date:	08-May-2025 00:31:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L7			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



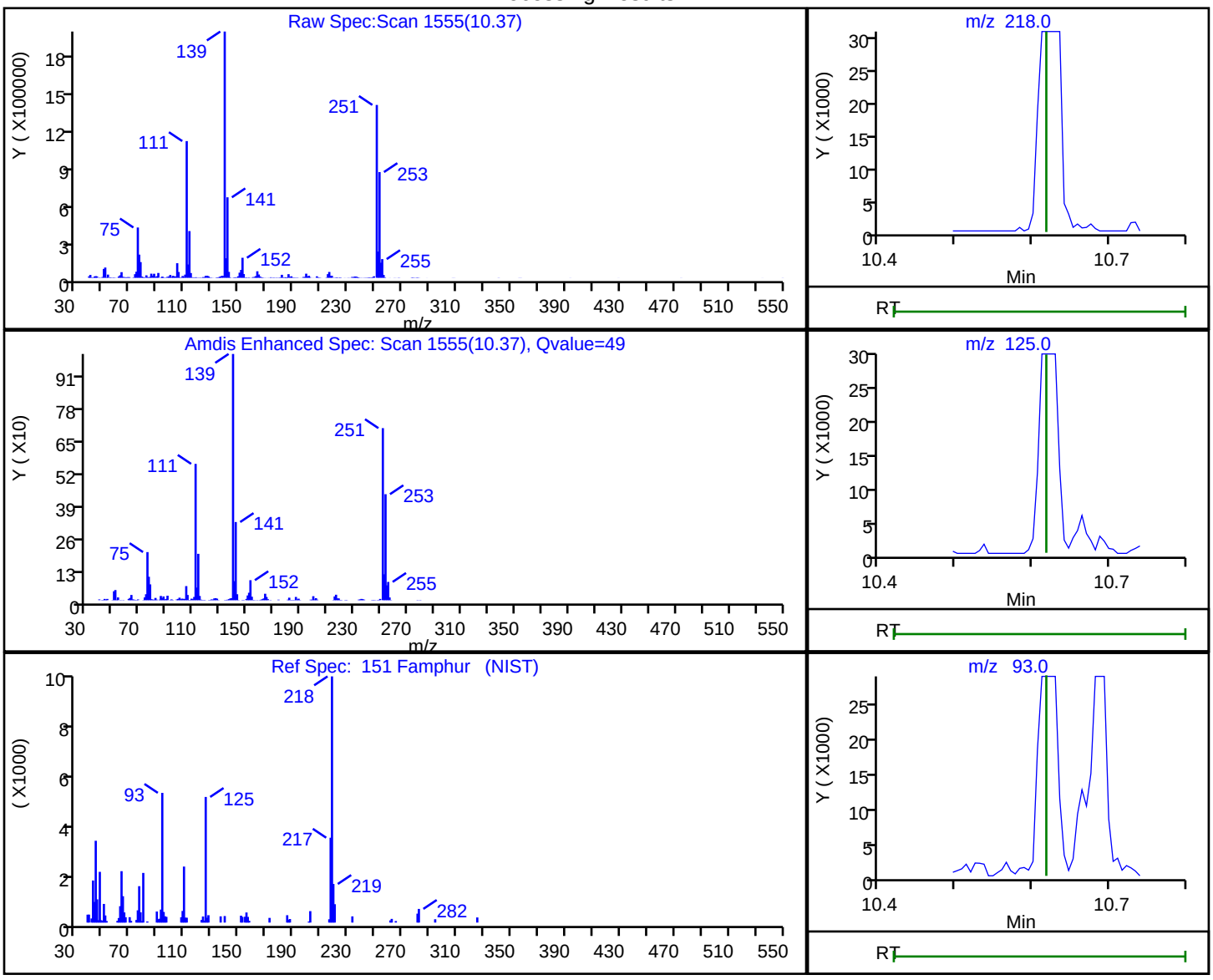
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0753.D				
Injection Date:	08-May-2025 00:31:30	Instrument ID:	HP23264		
Lims ID:	IC L7				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
10.37	218.00	11160	20.000000
10.37	125.00	10455	
10.37	93.00	10747	

Reviewer: N5QU, 08-May-2025 00:53:42 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0754.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 08-May-2025 00:53:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0146504-005
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:31:31 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 06:55:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.695	1.695	0.000	96	195873	7.50	7.18	
2 N-Nitrosodimethylamine	74	1.929	1.929	0.000	94	327681	7.50	7.31	
3 Pyridine	79	1.970	1.970	0.000	97	1100835	15.0	15.0	
4 Dimethylformamide	73	2.291	2.291	0.000	93	378499	7.50	7.59	
5 2-Picoline	93	2.565	2.565	0.000	91	509261	7.50	7.61	
6 N-Nitrosomethylethylamine	88	2.641	2.641	0.000	95	232721	7.50	7.75	
7 Methyl methanesulfonate	80	2.916	2.916	0.000	88	359365	7.50	7.57	
$ 9 2-Fluorophenol	112	3.068	3.068	0.000	93	843782	15.0	15.4	
11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	94	210984	7.50	7.82	
12 Ethyl methanesulfonate	109	3.587	3.587	0.000	94	216876	7.50	7.54	
13 Benzaldehyde	77	3.914	3.914	0.000	89	506605	7.50	7.90	
$ 15 Phenol-d5	99	3.973	3.973	0.000	93	1192554	15.0	14.6	
16 Phenol	94	3.990	3.990	0.000	92	658069	7.50	7.66	
17 Aniline	93	4.014	4.014	0.000	93	744969	7.50	7.85	
18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	93	450152	7.50	7.19	
19 2-Chlorophenol	128	4.124	4.124	0.000	91	390014	7.50	7.84	
21 1,3-Dichlorobenzene	146	4.270	4.270	0.000	91	412718	7.50	7.40	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	94	183956	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.346	4.346	0.000	87	433955	7.50	7.36	
26 Benzyl alcohol	108	4.463	4.463	0.000	86	308502	7.50	7.68	
27 1,2-Dichlorobenzene	146	4.492	4.492	0.000	91	410664	7.50	7.61	
29 2-Methylphenol	108	4.574	4.574	0.000	94	449899	7.50	8.22	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	88	514939	7.50	7.21	
31 N-Nitrosopyrrolidine	100	4.697	4.697	0.000	92	251201	7.50	7.65	
32 Acetophenone	105	4.720	4.720	0.000	83	719592	7.50	7.49	
33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	67	451546	7.50	7.74	
34 4-Methylphenol	108	4.726	4.726	0.000	91	497091	7.50	8.07	
35 N-Nitrosomorpholine	56	4.738	4.738	0.000	87	331119	7.50	7.52	
36 2-Toluidine	106	4.755	4.755	0.000	94	694989	7.50	7.50	
37 Hexachloroethane	117	4.814	4.814	0.000	95	211304	7.50	7.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	88	1340106	15.0	15.3	
40 Nitrobenzene	77	4.884	4.884	0.000	85	663001	7.50	7.75	
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	78	198449	7.50	7.14	
42 Isophorone	82	5.111	5.111	0.000	96	1136965	7.50	7.61	
43 2-Nitrophenol	139	5.187	5.187	0.000	86	210288	7.50	7.35	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	523159	7.50	7.86	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	90	184706	7.50	7.52	
47 Bis(2-chloroethoxy)methane	93	5.327	5.327	0.000	97	612213	7.50	7.98	
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	96	349203	7.50	8.31	
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	91	365227	7.50	7.53	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	699161	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	98	1101478	7.50	7.38	
55 Alpha-Terpineol	59	5.584	5.584	0.000	92	434269	7.50	7.76	
56 4-Chloroaniline	127	5.631	5.631	0.000	91	489667	7.50	7.77	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	86	327701	7.50	7.62	
58 Hexachloropropene	213	5.654	5.654	0.000	96	281562	7.50	7.09	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	95	260214	7.50	8.19	
61 Quinoline	129	5.894	5.894	0.000	92	726311	7.50	7.71	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	84	500651	7.50	7.37	
62 Caprolactam	113	5.958	5.958	0.000	54	118277	7.50	7.59	
64 p-Phenylene diamine	108	5.975	5.975	0.000	91	478796	7.50	8.16	
65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	89	472165	7.50	7.95	
66 Safrole, Total	162	6.162	6.162	0.000	76	300096	7.50	7.76	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	88	649382	7.50	7.47	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	91	701944	7.50	7.86	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	95	333486	7.50	7.55	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	98	391855	7.50	7.64	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	81	51486	1.20	1.27	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	251084	7.50	7.99	
S 24 Dinitrotoluene	165				0		15.0	15.6	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	88	275379	7.50	7.60	
$ 81 2-Fluorobiphenyl (Surr)	172	6.594	6.594	0.000	99	1737548	15.0	15.3	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	79	287790	6.30	6.23	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	914516	7.50	7.08	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	97	735696	7.50	7.95	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	95	669556	7.50	7.66	
86 Phenyl ether	170	6.787	6.787	0.000	86	500135	7.50	7.53	
87 2-Nitroaniline	138	6.805	6.805	0.000	71	238866	7.50	7.16	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	68	298572	7.50	7.57	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	114433	7.50	8.12	
90 Dimethyl phthalate	163	6.986	6.986	0.000	95	878797	7.50	7.36	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	79	126554	7.50	7.44	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	80	188113	7.50	7.74	
93 Acenaphthylene	152	7.097	7.097	0.000	99	1129922	7.50	7.67	
95 3-Nitroaniline	138	7.196	7.196	0.000	85	212660	7.50	7.68	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	95	403979	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	97	764667	7.50	7.36	
98 2,4-Dinitrophenol	184	7.295	7.295	0.000	75	291812	17.5	17.8	
100 4-Nitrophenol	109	7.371	7.371	0.000	82	436238	15.0	15.2	
99 Pentachlorobenzene	250	7.383	7.383	0.000	96	348362	7.50	7.61	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	78	271744	7.50	7.82	
101 Dibenzofuran	168	7.424	7.424	0.000	95	1058868	7.50	7.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.505	7.505	0.000	95	740598	7.50	7.95	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	76	249474	7.50	7.66	
106 2-Naphthylamine	143	7.581	7.581	0.000	92	765846	7.50	7.79	
107 Diethyl phthalate	149	7.657	7.657	0.000	95	955237	7.50	7.73	
109 Thionazin	107	7.733	7.733	0.000	74	163912	7.50	7.46	
108 Fluorene	166	7.751	7.751	0.000	91	810785	7.50	7.22	
110 4-Chlorophenyl phenyl ether	204	7.756	7.756	0.000	94	402693	7.50	7.61	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	86	223279	7.50	7.17	
112 4-Nitroaniline	138	7.774	7.774	0.000	73	214303	7.50	7.57	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	65	330689	15.0	16.1	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	68	555989	6.38	6.51	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	97	1333677	7.50	7.94	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	91	351354	15.0	15.1	
117 Sulfotepp	97	8.031	8.031	0.000	78	230420	7.50	7.61	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	71976	7.50	7.67	
120 cis-Diallate	86	8.148	8.148	0.000	87	311544	5.55	5.59	
119 Phorate	75	8.159	8.159	0.000	93	788571	7.50	6.93	
121 Phenacetin	108	8.171	8.171	0.000	88	603742	7.50	8.16	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	72	243165	7.50	7.95	
123 trans-Diallate	86	8.235	8.235	0.000	91	118662	1.95	1.91	
124 Hexachlorobenzene	284	8.270	8.270	0.000	94	308661	7.50	7.84	
125 Dimethoate	87	8.317	8.317	0.000	95	464681	7.50	8.06	
126 Atrazine	200	8.387	8.387	0.000	86	254894	7.50	7.65	
127 Pentachlorophenol	266	8.463	8.463	0.000	89	402973	15.0	15.6	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	91	948525	7.50	7.88	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	73	165040	7.50	7.96	
130 Pronamide	173	8.533	8.533	0.000	88	420394	7.50	7.85	
* 131 Phenanthrene-d10	188	8.644	8.644	0.000	97	728024	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	91	214752	7.50	8.23	
134 Disulfoton	88	8.656	8.656	0.000	96	684374	7.50	7.65	
132 Phenanthrene	178	8.661	8.661	0.000	97	1248657	7.50	7.73	
135 Anthracene	178	8.714	8.714	0.000	99	1256395	7.50	7.75	
136 Carbazole	167	8.872	8.872	0.000	97	1182587	7.50	8.23	
137 Methyl parathion	109	9.012	9.012	0.000	89	370789	7.50	7.99	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	1500114	7.50	7.67	
139 Ethyl Parathion	109	9.385	9.385	0.000	80	229456	7.50	7.70	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	82	108061	7.50	7.30	
142 Octachlorostyrene	308	9.613	9.613	0.000	90	135038	7.50	7.26	
S 68 Diallate	86				0		7.50	7.50	
143 Isodrin	193	9.648	9.648	0.000	89	154336	7.50	7.56	
144 Fluoranthene	202	9.794	9.794	0.000	99	1368557	7.50	7.77	
145 Benzidine	184	9.940	9.940	0.000	99	3014318	22.5	24.9	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	99	753624	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	1443973	7.50	7.57	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	1875354	15.0	15.6	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	90	206283	7.50	7.44	
150 Chlorobenzilate	139	10.361	10.361	0.000	81	504007	7.50	7.77	
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	710695	7.50	7.87	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	93	665489	7.50	7.44	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	93	527897	7.50	7.98	
S 94 Isosafrole	162				0		7.50	7.49	
157 3,3'-Dichlorobenzidine	252	11.260	11.260	0.000	78	541216	7.50	7.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158 4,4'-Methylene bis(2-chloroanil	231	11.271	11.271	0.000	66	259701	7.50	7.44	
156 Benzo[a]anthracene	228	11.271	11.271	0.000	99	1316086	7.50	7.71	
159 Chrysene	228	11.312	11.312	0.000	97	1201661	7.50	7.53	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	96	961757	7.50	7.70	
161 6-Methylchrysene	242	11.873	11.873	0.000	98	834171	7.50	7.65	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	1547035	7.50	7.64	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	96	1330449	7.50	7.94	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	71	526869	7.50	8.25	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	99	1310150	7.50	7.73	
166 Benzo[a]pyrene	252	13.105	13.105	0.000	78	1286461	7.50	7.41	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	718924	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	92	579381	7.50	7.50	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	92	988160	7.50	8.09	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	1106097	7.50	7.89	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	1273432	7.50	7.78	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	93	1253957	7.50	8.06	
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	98	1289879	7.50	8.08	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_5_00053 Amount Added: 1.00 Units: mL

Report Date: 08-May-2025 09:31:32 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0754.D

Injection Date: 08-May-2025 00:53:30 Instrument ID: HP23264 Operator ID: IR93211

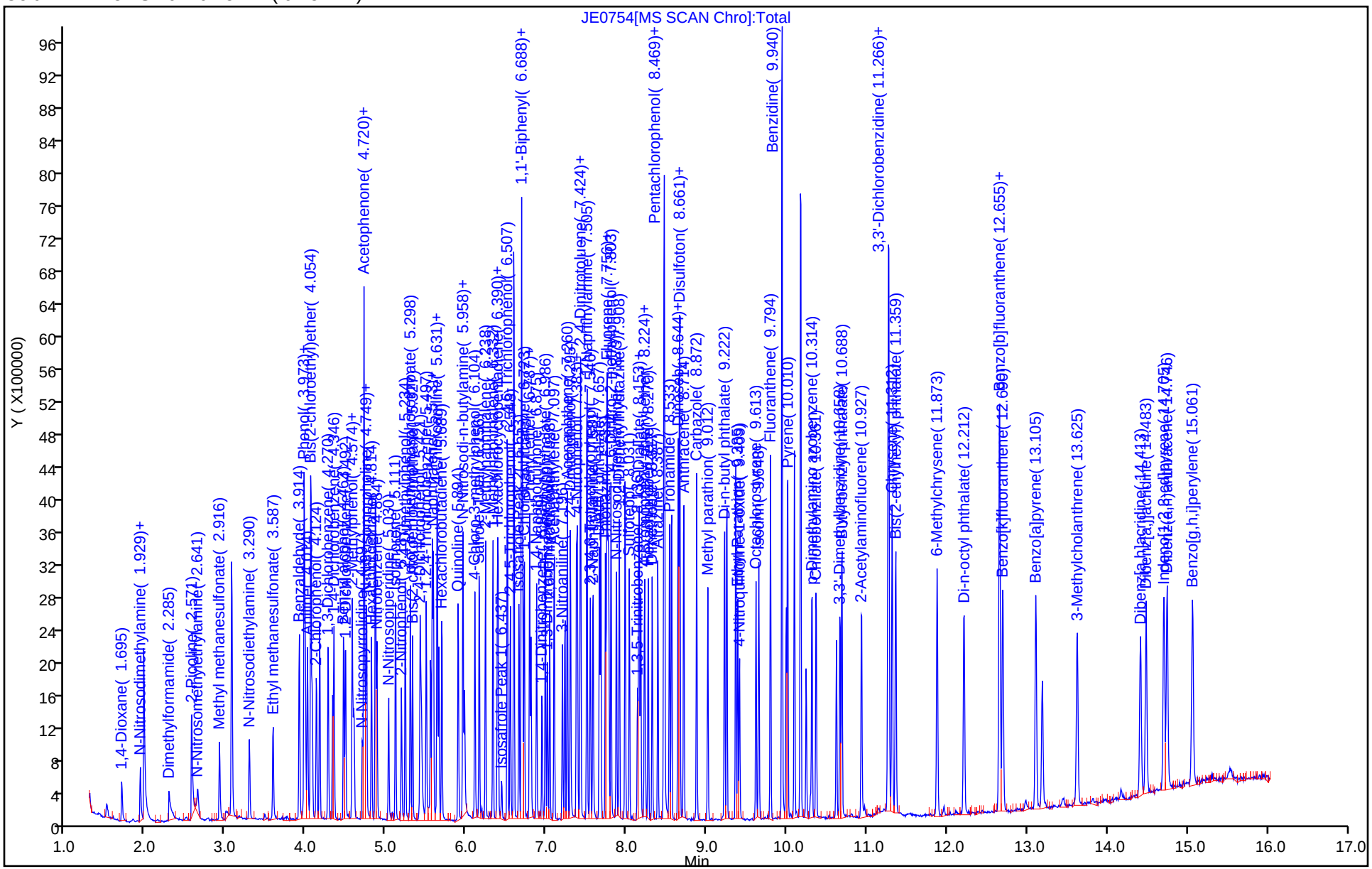
Lims ID: IC L5 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0755.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 08-May-2025 01:14:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0146504-006
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:31:52 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 06:57:14

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.696	1.695	0.001	93	104963	3.75	3.63	Ma
	2 N-Nitrosodimethylamine	74	1.929	1.929	0.000	94	160539	3.75	3.38	
	3 Pyridine	79	1.976	1.970	0.006	96	513500	7.50	6.61	
	4 Dimethylformamide	73	2.309	2.291	0.018	85	198121	3.75	3.74	M
	5 2-Picoline	93	2.571	2.565	0.006	87	231055	3.75	3.26	
	6 N-Nitrosomethylethylamine	88	2.647	2.641	0.006	97	109050	3.75	3.42	
	7 Methyl methanesulfonate	80	2.916	2.916	0.000	87	174411	3.75	3.46	
$	9 2-Fluorophenol	112	3.068	3.068	0.000	92	406637	7.50	7.02	
	11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	96	95002	3.75	3.32	
	12 Ethyl methanesulfonate	109	3.587	3.587	0.000	95	107702	3.75	3.53	
	13 Benzaldehyde	77	3.914	3.914	0.000	92	231362	3.75	3.40	
$	15 Phenol-d5	99	3.973	3.973	0.000	93	583695	7.50	6.76	
	16 Phenol	94	3.985	3.990	-0.005	91	278800	3.75	3.06	
	17 Aniline	93	4.014	4.014	0.000	94	362638	3.75	3.60	
	18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	90	219381	3.75	3.30	
	19 2-Chlorophenol	128	4.125	4.124	0.001	90	188723	3.75	3.58	
	21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	92	212013	3.75	3.58	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	95	195081	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.347	4.346	0.001	87	207823	3.75	3.32	
	26 Benzyl alcohol	108	4.463	4.463	0.000	87	148859	3.75	3.49	
	27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	88	207580	3.75	3.63	
	29 2-Methylphenol	108	4.574	4.574	0.000	94	203839	3.75	3.51	
	30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	89	259212	3.75	3.42	
	31 N-Nitrosopyrrolidine	100	4.697	4.697	0.000	85	119225	3.75	3.42	
	32 Acetophenone	105	4.720	4.720	0.000	85	360924	3.75	3.54	
	33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	69	214719	3.75	3.47	
	34 4-Methylphenol	108	4.726	4.726	0.000	89	208088	3.75	3.19	
	35 N-Nitrosomorpholine	56	4.738	4.738	0.000	84	148631	3.75	3.18	
	36 2-Toluidine	106	4.749	4.755	-0.006	94	336870	3.75	3.43	
	37 Hexachloroethane	117	4.814	4.814	0.000	92	99519	3.75	3.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.860	4.866	-0.006	88	642901	7.50	7.29	
40 Nitrobenzene	77	4.884	4.884	0.000	86	315365	3.75	3.65	
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	78	90307	3.75	3.22	
42 Isophorone	82	5.111	5.111	0.000	95	539688	3.75	3.58	
43 2-Nitrophenol	139	5.187	5.187	0.000	84	99124	3.75	3.43	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	252040	3.75	3.75	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	89632	3.75	3.61	
47 Bis(2-chloroethoxy)methane	93	5.328	5.327	0.001	95	290682	3.75	3.76	
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	91	155987	3.75	3.68	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	89	192490	3.75	3.93	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	100	705780	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	98	547112	3.75	3.63	
55 Alpha-Terpineol	59	5.584	5.584	0.000	90	205534	3.75	3.64	
56 4-Chloroaniline	127	5.631	5.631	0.000	94	247236	3.75	3.88	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	86	166557	3.75	3.84	
58 Hexachloropropene	213	5.654	5.654	0.000	95	136744	3.75	3.41	
59 Hexachlorobutadiene	225	5.690	5.695	-0.005	96	125470	3.75	3.91	
61 Quinoline	129	5.894	5.894	0.000	92	363563	3.75	3.82	
63 N-Nitrosodi-n-butylamine	84	5.952	5.958	-0.006	93	244095	3.75	3.56	
62 Caprolactam	113	5.952	5.958	-0.006	75	55257	3.75	3.51	
64 p-Phenylene diamine	108	5.976	5.975	0.001	93	167672	3.75	3.35	
65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	89	208939	3.75	3.49	
66 Safrole, Total	162	6.157	6.162	-0.005	79	146930	3.75	3.76	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	90	319115	3.75	3.64	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	337849	3.75	3.75	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	93	163181	3.75	3.52	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	96	204366	3.75	3.80	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	77	24475	0.6000	0.5736	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	88	122043	3.75	3.70	
S 24 Dinitrotoluene	165				0		7.50	7.64	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	87	141001	3.75	3.70	
$ 81 2-Fluorobiphenyl (Surr)	172	6.589	6.594	-0.005	99	867851	7.50	7.26	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	80	137378	3.15	2.83	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	453663	3.75	3.34	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	98	361109	3.75	3.72	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	326982	3.75	3.56	
86 Phenyl ether	170	6.787	6.787	0.000	81	239096	3.75	3.43	
87 2-Nitroaniline	138	6.805	6.805	0.000	75	130020	3.75	3.71	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	66	144278	3.75	3.48	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	80	52818	3.75	3.57	
90 Dimethyl phthalate	163	6.986	6.986	0.000	94	455122	3.75	3.63	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	82	64771	3.75	3.63	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	82	101330	3.75	3.97	
93 Acenaphthylene	152	7.097	7.097	0.000	99	542137	3.75	3.50	
95 3-Nitroaniline	138	7.196	7.196	0.000	82	111648	3.75	3.84	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	96	424307	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	98	377681	3.75	3.46	
98 2,4-Dinitrophenol	184	7.295	7.295	0.000	75	189915	11.3	11.0	
100 4-Nitrophenol	109	7.371	7.371	0.000	86	206479	7.50	6.83	
99 Pentachlorobenzene	250	7.383	7.383	0.000	95	166463	3.75	3.46	
102 2,4-Dinitrotoluene	165	7.418	7.424	-0.006	82	133812	3.75	3.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.424	7.424	0.000	95	514786	3.75	3.61	
104 1-Naphthylamine	143	7.500	7.505	-0.005	94	355994	3.75	3.64	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	112210	3.75	3.28	
106 2-Naphthylamine	143	7.576	7.581	-0.005	93	364899	3.75	3.53	
107 Diethyl phthalate	149	7.657	7.657	0.000	95	471615	3.75	3.63	
109 Thionazin	107	7.733	7.733	0.000	75	77737	3.75	3.37	
108 Fluorene	166	7.751	7.751	0.000	93	412751	3.75	3.50	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.001	94	198531	3.75	3.57	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	85	110247	3.75	3.37	
112 4-Nitroaniline	138	7.774	7.774	0.000	75	107846	3.75	3.63	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	67	157182	7.50	7.12	
114 N-Nitrosodiphenylamine	169	7.867	7.873	-0.006	64	294186	3.19	3.22	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	672802	3.75	3.74	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	91	180917	7.50	7.40	
117 Sulfotepp	97	8.031	8.031	0.000	77	123608	3.75	3.81	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	40528	3.75	4.03	
120 cis-Diallate	86	8.148	8.148	0.000	86	162686	2.78	2.72	
119 Phorate	75	8.154	8.159	-0.005	93	378097	3.75	3.10	
121 Phenacetin	108	8.171	8.171	0.000	88	273558	3.75	3.45	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	71	123397	3.75	3.77	
123 trans-Diallate	86	8.230	8.235	-0.005	91	67385	0.9750	1.01	
124 Hexachlorobenzene	284	8.270	8.270	0.000	94	159286	3.75	3.78	
125 Dimethoate	87	8.317	8.317	0.000	94	226036	3.75	3.66	
126 Atrazine	200	8.387	8.387	0.000	86	127090	3.75	3.56	
127 Pentachlorophenol	266	8.463	8.463	0.000	88	182319	7.50	6.60	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	90	447266	3.75	3.47	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	52	82106	3.75	3.70	
130 Pronamide	173	8.533	8.533	0.000	90	211594	3.75	3.69	
* 131 Phenanthrene-d10	188	8.638	8.644	-0.006	97	780250	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	90	96616	3.75	3.46	
134 Disulfoton	88	8.656	8.656	0.000	95	340144	3.75	3.55	a
132 Phenanthrene	178	8.662	8.661	0.001	98	615868	3.75	3.56	
135 Anthracene	178	8.714	8.714	0.000	97	654325	3.75	3.76	
136 Carbazole	167	8.872	8.872	0.000	97	594213	3.75	3.86	
137 Methyl parathion	109	9.012	9.012	0.000	89	177220	3.75	3.56	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	739996	3.75	3.53	
139 Ethyl Parathion	109	9.386	9.385	0.001	81	109944	3.75	3.44	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	74	50352	3.75	3.18	
142 Octachlorostyrene	308	9.613	9.613	0.000	89	70889	3.75	3.55	
143 Isodrin	193	9.648	9.648	0.000	89	85980	3.75	3.83	
S 68 Diallate	86				0		3.75	3.74	
144 Fluoranthene	202	9.794	9.794	0.000	98	699052	3.75	3.70	
145 Benzidine	184	9.935	9.940	-0.006	99	1392120	11.3	11.1	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	98	782637	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	733248	3.75	3.70	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	925854	7.50	7.42	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	90	99096	3.75	3.44	
150 Chlorobenzilate	139	10.361	10.361	0.000	82	246538	3.75	3.66	
151 Famphur	218	10.618	10.618	0.000	86	246002	3.75	3.65	
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	98	356448	3.75	3.80	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	341576	3.75	3.68	
155 2-Acetylaminofluorene	181	10.927	10.933	-0.006	93	235934	3.75	3.44	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		3.75	3.40	
157 3,3'-Dichlorobenzidine	252	11.260	11.260	0.000	77	285445	3.75	3.85	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.271	0.001	69	133913	3.75	3.69	
156 Benzo[a]anthracene	228	11.272	11.271	0.001	99	663482	3.75	3.74	
159 Chrysene	228	11.313	11.312	0.000	97	620680	3.75	3.75	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	499167	3.75	3.85	
S 103 Aramite, Total	185		11.583				3.75	ND	
161 6-Methylchrysene	242	11.873	11.873	0.000	99	411388	3.75	3.63	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	823508	3.75	3.59	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	93	682741	3.75	3.60	
163 7,12-Dimethylbenz(a)anthracene	256	12.650	12.655	-0.005	69	242490	3.75	3.35	
165 Benzo[k]fluoranthene	252	12.691	12.696	-0.005	99	664125	3.75	3.46	
166 Benzo[a]pyrene	252	13.105	13.105	0.000	78	672551	3.75	3.42	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	814981	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	91	306543	3.75	3.50	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	480224	3.75	3.47	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	563608	3.75	3.55	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	661166	3.75	3.56	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	93	647759	3.75	3.67	
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	97	652982	3.75	3.61	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_4_00040 Amount Added: 1.00 Units: mL

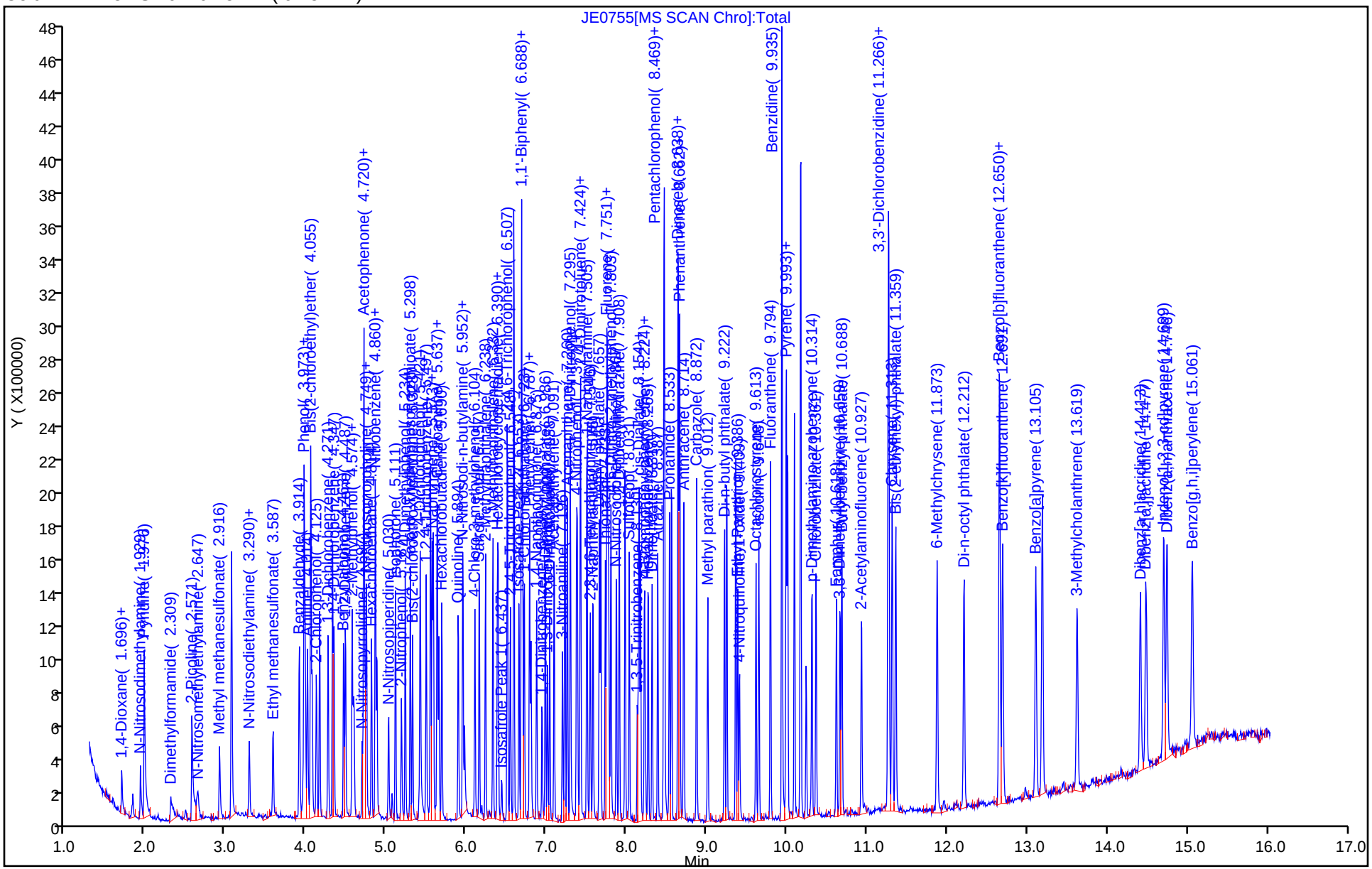
Report Date: 08-May-2025 09:31:52 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0755.D

Injection Date:	08-May-2025 01:14:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L4			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

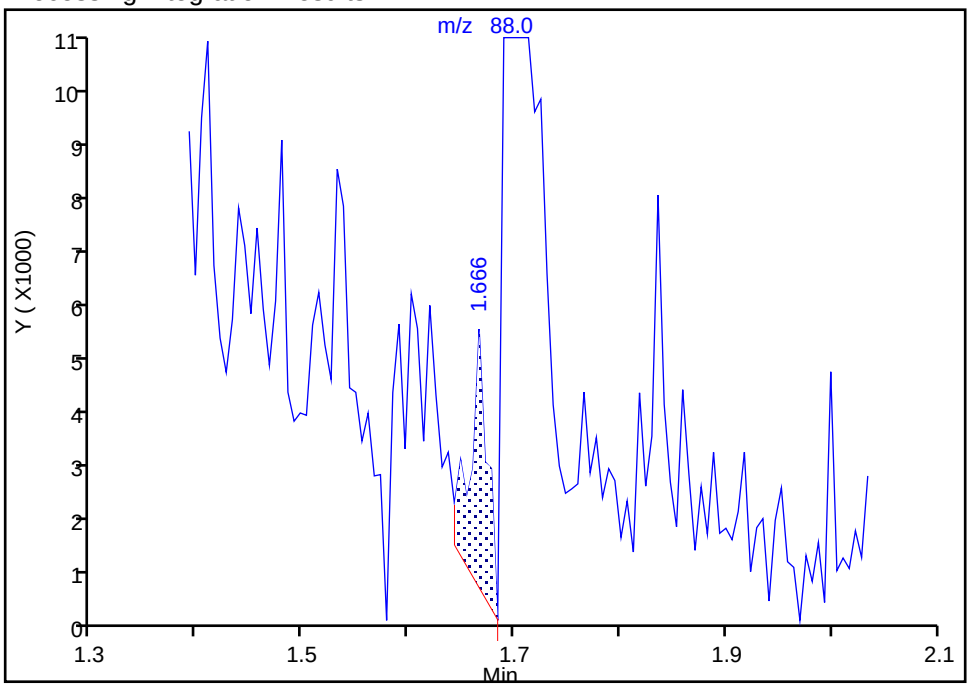
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0755.D				
Injection Date:	08-May-2025 01:14:30	Instrument ID:	HP23264		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

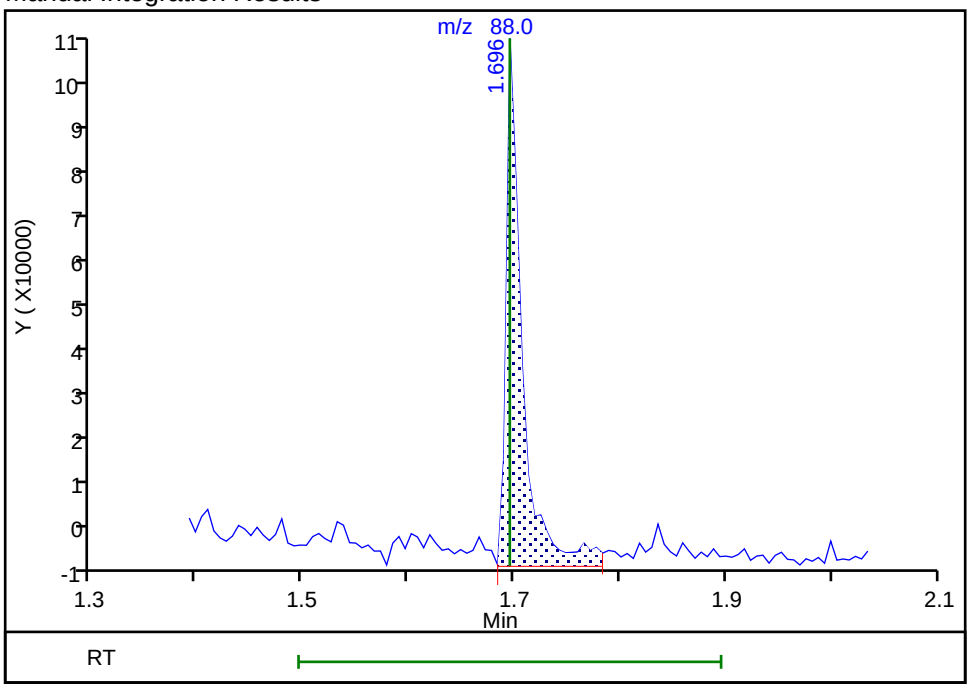
Processing Integration Results

RT: 1.67
Area: 5295
Amount: 0.150935
Amount Units: ug/ml



Manual Integration Results

RT: 1.70
Area: 104963
Amount: 3.625887
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:56:05 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

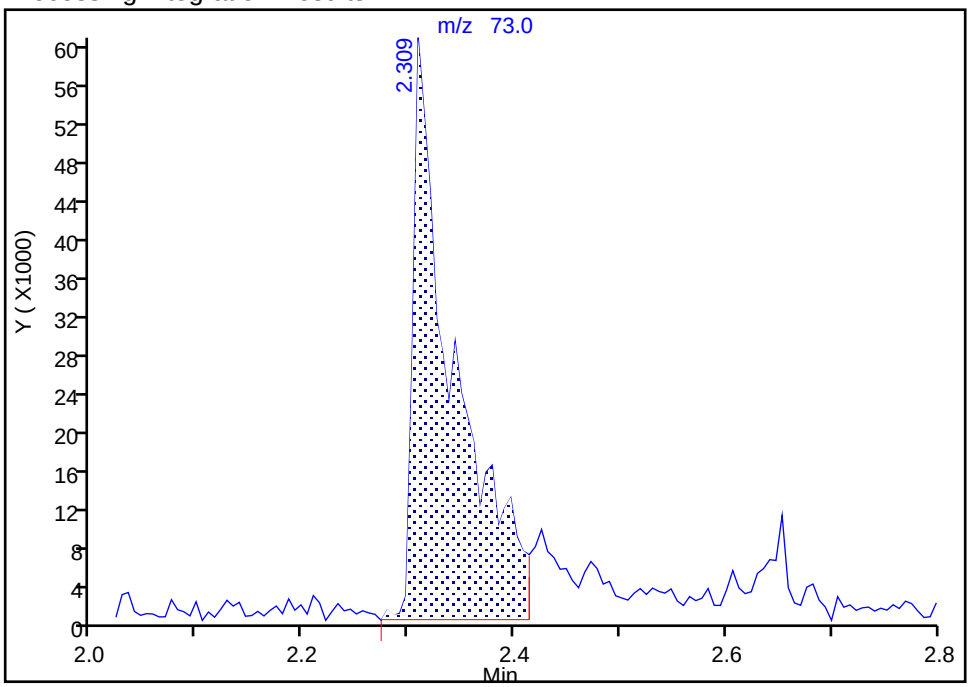
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0755.D
Injection Date: 08-May-2025 01:14:30 Instrument ID: HP23264
Lims ID: IC L4
Client ID:
Operator ID: IR93211 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

4 Dimethylformamide, CAS: 68-12-2

Signal: 1

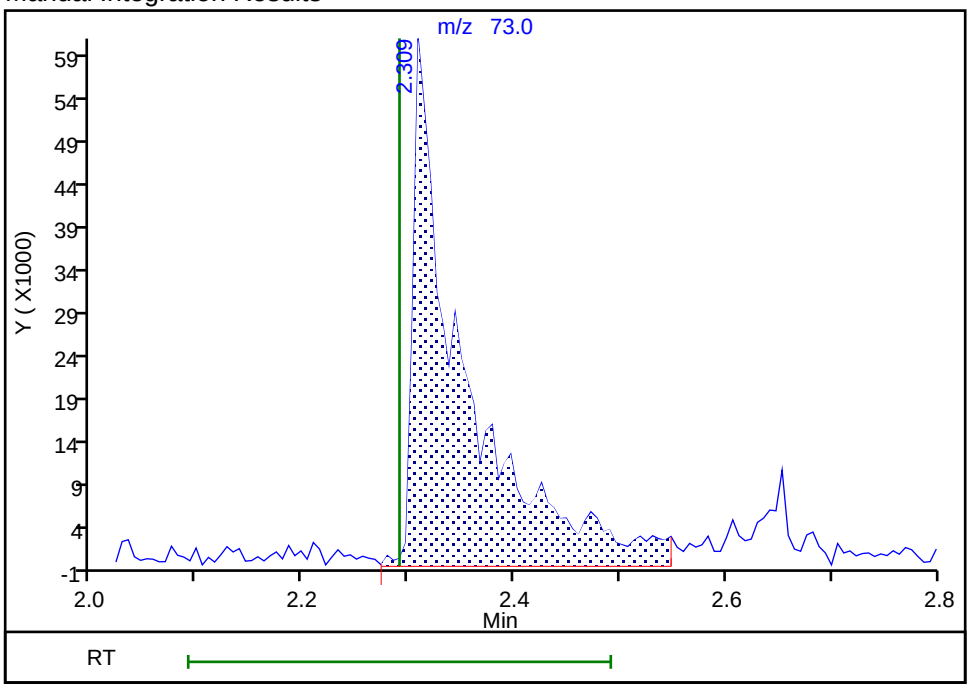
Processing Integration Results

RT: 2.31
Area: 161181
Amount: 0
Amount Units: ug/ml



Manual Integration Results

RT: 2.31
Area: 198121
Amount: 3.744793
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:56:20 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

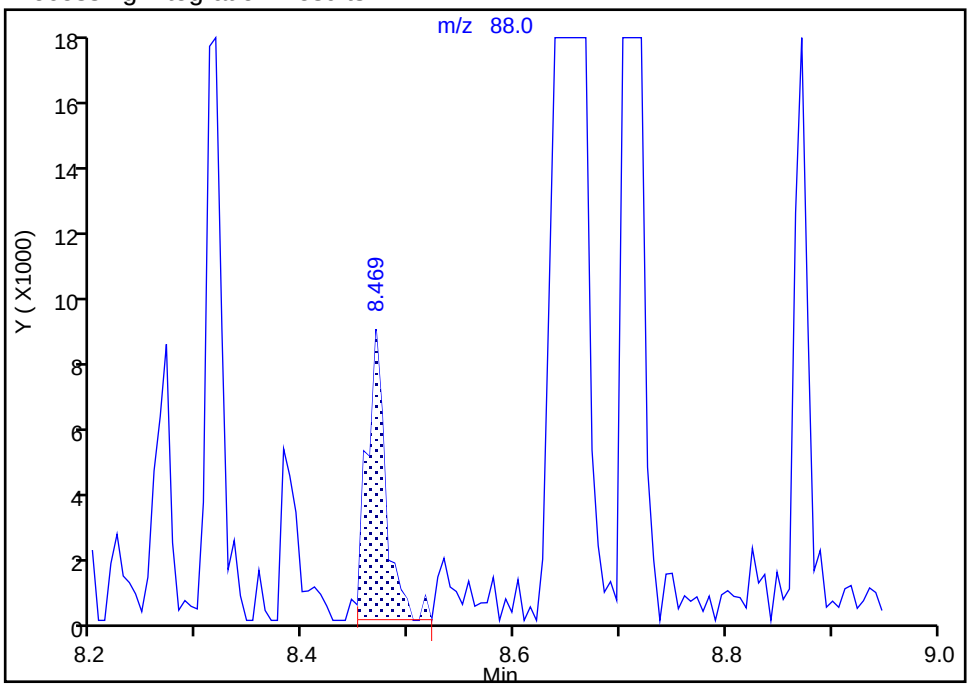
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0755.D
Injection Date: 08-May-2025 01:14:30 Instrument ID: HP23264
Lims ID: IC L4
Client ID:
Operator ID: IR93211 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

134 Disulfoton, CAS: 298-04-4

Signal: 1

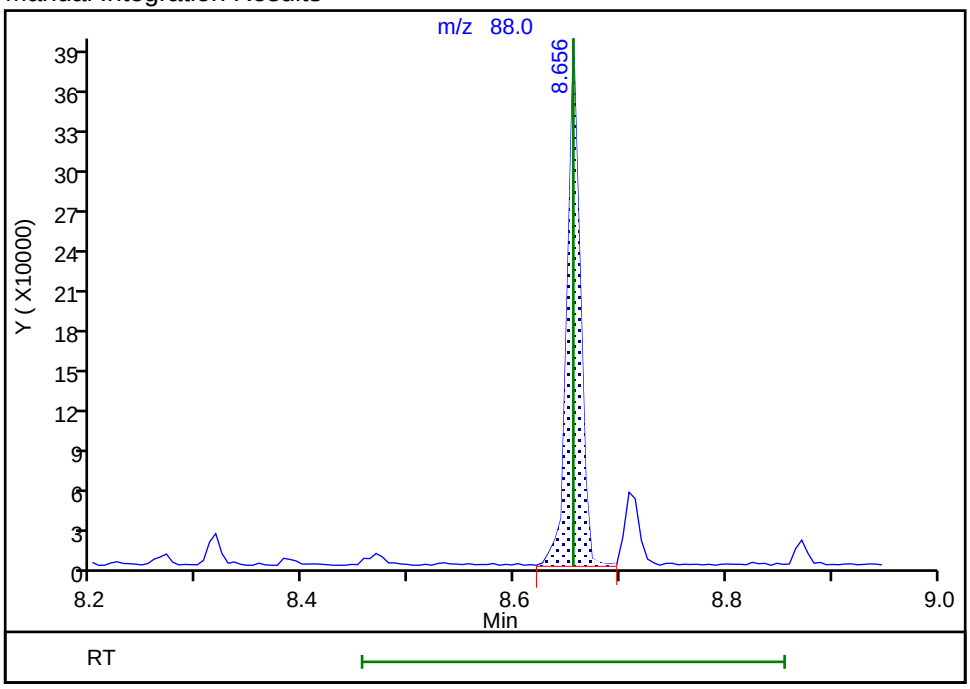
Processing Integration Results

RT: 8.47
Area: 10950
Amount: 0.109781
Amount Units: ug/ml



Manual Integration Results

RT: 8.66
Area: 340144
Amount: 3.548010
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:56:53 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0756.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-May-2025 01:36:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0146504-007
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:32:11 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 06:58:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.702	1.695	0.007	94	38442	1.25	1.43	
2 N-Nitrosodimethylamine	74	1.941	1.929	0.012	89	46674	1.25	1.06	
3 Pyridine	79	1.988	1.970	0.018	96	164214	2.50	2.28	
4 Dimethylformamide	73	2.396	2.291	0.105	83	45259	1.25	0.9228	
5 2-Picoline	93	2.583	2.565	0.018	86	77690	1.25	1.18	
6 N-Nitrosomethylethylamine	88	2.601	2.641	-0.040	27	37828	1.25	1.28	
7 Methyl methanesulfonate	80	2.922	2.916	0.006	89	55995	1.25	1.20	
$ 9 2-Fluorophenol	112	3.068	3.068	0.000	91	126393	2.50	2.35	
11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	92	32280	1.25	1.22	
12 Ethyl methanesulfonate	109	3.588	3.587	0.001	95	37028	1.25	1.31	
13 Benzaldehyde	77	3.915	3.914	0.001	86	71707	1.25	1.14	
$ 15 Phenol-d5	99	3.973	3.973	0.000	93	190691	2.50	2.38	
16 Phenol	94	3.990	3.990	0.000	91	100002	1.25	1.18	
17 Aniline	93	4.020	4.014	0.006	94	107166	1.25	1.15	
18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	94	78776	1.25	1.28	
19 2-Chlorophenol	128	4.125	4.124	0.001	87	54154	1.25	1.11	
21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	89	65453	1.25	1.19	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	96	180842	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.347	4.346	0.001	88	67669	1.25	1.17	
26 Benzyl alcohol	108	4.469	4.463	0.006	85	50311	1.25	1.27	
27 1,2-Dichlorobenzene	146	4.493	4.492	0.001	90	61140	1.25	1.15	
29 2-Methylphenol	108	4.574	4.574	0.000	94	63996	1.25	1.19	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	87	81436	1.25	1.16	
31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	83	34083	1.25	1.06	
32 Acetophenone	105	4.720	4.720	0.000	88	113461	1.25	1.20	
33 N-Nitrosodi-n-propylamine	70	4.714	4.720	-0.006	81	64175	1.25	1.12	
34 4-Methylphenol	108	4.726	4.726	0.000	74	75183	1.25	1.24	
35 N-Nitrosomorpholine	56	4.738	4.738	0.000	88	50807	1.25	1.17	
36 2-Toluidine	106	4.750	4.755	-0.005	95	100493	1.25	1.10	
37 Hexachloroethane	117	4.814	4.814	0.000	90	36425	1.25	1.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.860	4.866	-0.006	89	204583	2.50	2.50	
40 Nitrobenzene	77	4.884	4.884	0.000	80	105261	1.25	1.31	
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	76	32600	1.25	1.25	
42 Isophorone	82	5.112	5.111	0.001	95	174691	1.25	1.25	
43 2-Nitrophenol	139	5.187	5.187	0.000	94	35334	1.25	1.32	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	95	74426	1.25	1.19	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	30045	1.25	1.30	
47 Bis(2-chloroethoxy)methane	93	5.328	5.327	0.001	96	95480	1.25	1.33	
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	93	49405	1.25	1.25	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	92	56836	1.25	1.25	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	655447	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	98	175565	1.25	1.26	
55 Alpha-Terpineol	59	5.584	5.584	0.000	91	73799	1.25	1.41	
56 4-Chloroaniline	127	5.637	5.631	0.006	80	72118	1.25	1.22	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	76	47801	1.25	1.19	
58 Hexachloropropene	213	5.655	5.654	0.001	92	41994	1.25	1.13	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	91	37267	1.25	1.25	
61 Quinoline	129	5.900	5.894	0.006	92	114833	1.25	1.30	
63 N-Nitrosodi-n-butylamine	84	5.952	5.958	-0.006	85	90223	1.25	1.42	
62 Caprolactam	113	5.952	5.958	-0.006	50	18278	1.25	1.25	
64 p-Phenylene diamine	108	5.987	5.975	0.012	87	29140	1.25	1.28	
65 4-Chloro-3-methylphenol	107	6.110	6.104	0.006	92	68435	1.25	1.23	
66 Safrole, Total	162	6.163	6.162	0.001	75	44498	1.25	1.23	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	91	104895	1.25	1.29	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	102662	1.25	1.23	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	96	47217	1.25	1.10	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	96	60356	1.25	1.21	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	65	6614	0.2000	0.1668	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	87	38409	1.25	1.25	
S 24 Dinitrotoluene	165				0		2.50	2.47	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	89	42534	1.25	1.20	
$ 81 2-Fluorobiphenyl (Surr)	172	6.589	6.594	-0.005	98	261811	2.50	2.36	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	87	49220	1.05	1.09	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	96	161920	1.25	1.28	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	94	115095	1.25	1.27	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	92	98921	1.25	1.16	
86 Phenyl ether	170	6.787	6.787	0.000	85	75328	1.25	1.16	
87 2-Nitroaniline	138	6.805	6.805	0.000	75	40845	1.25	1.25	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	63	42297	1.25	1.10	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	85	16438	1.25	1.19	
90 Dimethyl phthalate	163	6.986	6.986	0.000	95	142077	1.25	1.22	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	78	21099	1.25	1.27	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	74	28431	1.25	1.20	
93 Acenaphthylene	152	7.091	7.097	-0.006	98	173229	1.25	1.20	
95 3-Nitroaniline	138	7.202	7.196	0.006	87	29492	1.25	1.09	
* 96 Acenaphthene-d10	164	7.225	7.231	-0.006	95	394242	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	97	118334	1.25	1.17	
98 2,4-Dinitrophenol	184	7.295	7.295	0.000	80	77932	5.00	4.86	
100 4-Nitrophenol	109	7.377	7.371	0.006	82	85825	3.75	3.06	
99 Pentachlorobenzene	250	7.383	7.383	0.000	93	54089	1.25	1.21	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	76	43018	1.25	1.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.424	7.424	0.000	93	155409	1.25	1.17	
104 1-Naphthylamine	143	7.500	7.505	-0.005	95	110287	1.25	1.21	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	74	38145	1.25	1.20	
106 2-Naphthylamine	143	7.581	7.581	0.000	94	115739	1.25	1.21	
107 Diethyl phthalate	149	7.657	7.657	0.000	95	148319	1.25	1.23	
109 Thionazin	107	7.733	7.733	0.000	79	25323	1.25	1.18	
108 Fluorene	166	7.751	7.751	0.000	90	119797	1.25	1.09	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.001	91	57940	1.25	1.12	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	80	33448	1.25	1.10	
112 4-Nitroaniline	138	7.780	7.774	0.006	73	33332	1.25	1.21	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	74	76774	3.75	3.60	
114 N-Nitrosodiphenylamine	169	7.868	7.873	-0.005	73	89100	1.06	1.01	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	211283	1.25	1.22	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	89	50516	2.50	2.22	
117 Sulfotepp	97	8.031	8.031	0.000	75	36284	1.25	1.16	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	79	10646	1.25	1.10	
120 cis-Diallate	86	8.148	8.148	0.000	84	52477	0.9250	0.9099	
119 Phorate	75	8.154	8.159	-0.005	94	131611	1.25	1.12	
121 Phenacetin	108	8.171	8.171	0.000	89	76518	1.25	1.00	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	76	37351	1.25	1.18	
123 trans-Diallate	86	8.230	8.235	-0.005	80	25352	0.3250	0.3943	
124 Hexachlorobenzene	284	8.270	8.270	0.000	92	48634	1.25	1.19	
125 Dimethoate	87	8.317	8.317	0.000	93	66596	1.25	1.12	
126 Atrazine	200	8.387	8.387	0.000	84	42198	1.25	1.22	
127 Pentachlorophenol	266	8.463	8.463	0.000	83	53052	2.50	1.99	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	91	139697	1.25	1.12	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	73	21290	1.25	0.99	
130 Pronamide	173	8.533	8.533	0.000	88	57714	1.25	1.04	
* 131 Phenanthrene-d10	188	8.638	8.644	-0.006	97	753435	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	78	29277	1.25	1.08	
134 Disulfoton	88	8.656	8.656	0.000	93	107938	1.25	1.17	a
132 Phenanthrene	178	8.662	8.661	0.001	98	192664	1.25	1.15	
135 Anthracene	178	8.714	8.714	0.000	99	188191	1.25	1.12	
136 Carbazole	167	8.872	8.872	0.000	96	179061	1.25	1.20	
137 Methyl parathion	109	9.012	9.012	0.000	89	50431	1.25	1.05	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	242050	1.25	1.20	
139 Ethyl Parathion	109	9.386	9.385	0.001	79	29337	1.25	0.9509	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	77	14462	1.25	0.9444	
142 Octachlorostyrene	308	9.613	9.613	0.000	79	26733	1.25	1.39	
143 Isodrin	193	9.648	9.648	0.000	87	27515	1.25	1.12	
S 68 Diallate	86				0		1.25	1.30	
144 Fluoranthene	202	9.794	9.794	0.000	98	227628	1.25	1.25	
145 Benzidine	184	9.935	9.940	-0.005	99	416878	3.75	3.38	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	99	768228	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	96	228805	1.25	1.18	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	291707	2.50	2.38	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	29156	1.25	1.03	
150 Chlorobenzilate	139	10.361	10.361	0.000	85	70569	1.25	1.07	
151 Famphur	218	10.618	10.618	0.000	86	80126	1.25	1.21	a
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	97	107180	1.25	1.16	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	95	111060	1.25	1.22	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	89	62418	1.25	0.9259	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		1.25	1.26	
157 3,3'-Dichlorobenzidine	252	11.260	11.260	0.000	76	80138	1.25	1.10	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.271	0.001	65	42180	1.25	1.19	
156 Benzo[a]anthracene	228	11.272	11.271	0.001	98	203056	1.25	1.17	
159 Chrysene	228	11.313	11.312	0.001	97	185267	1.25	1.14	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	149013	1.25	1.17	
S 103 Aramite, Total	185		11.583				1.25	ND	
161 6-Methylchrysene	242	11.873	11.873	0.000	98	131389	1.25	1.18	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	225573	1.25	1.05	
164 Benzo[b]fluoranthene	252	12.656	12.655	0.001	97	200152	1.25	1.13	
163 7,12-Dimethylbenz(a)anthracene	256	12.656	12.655	0.001	70	80469	1.25	1.19	
165 Benzo[k]fluoranthene	252	12.691	12.696	-0.005	99	207726	1.25	1.16	
166 Benzo[a]pyrene	252	13.105	13.105	0.000	78	206859	1.25	1.12	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	761232	5.00	5.00	
168 3-Methylcholanthrene	268	13.619	13.625	-0.006	92	88511	1.25	1.08	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	156278	1.25	1.21	
170 Dibenz[a,j]acridine	279	14.477	14.483	-0.006	95	165938	1.25	1.12	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	98	200412	1.25	1.16	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	92	199065	1.25	1.21	
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	97	205318	1.25	1.21	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_3_00041 Amount Added: 1.00 Units: mL

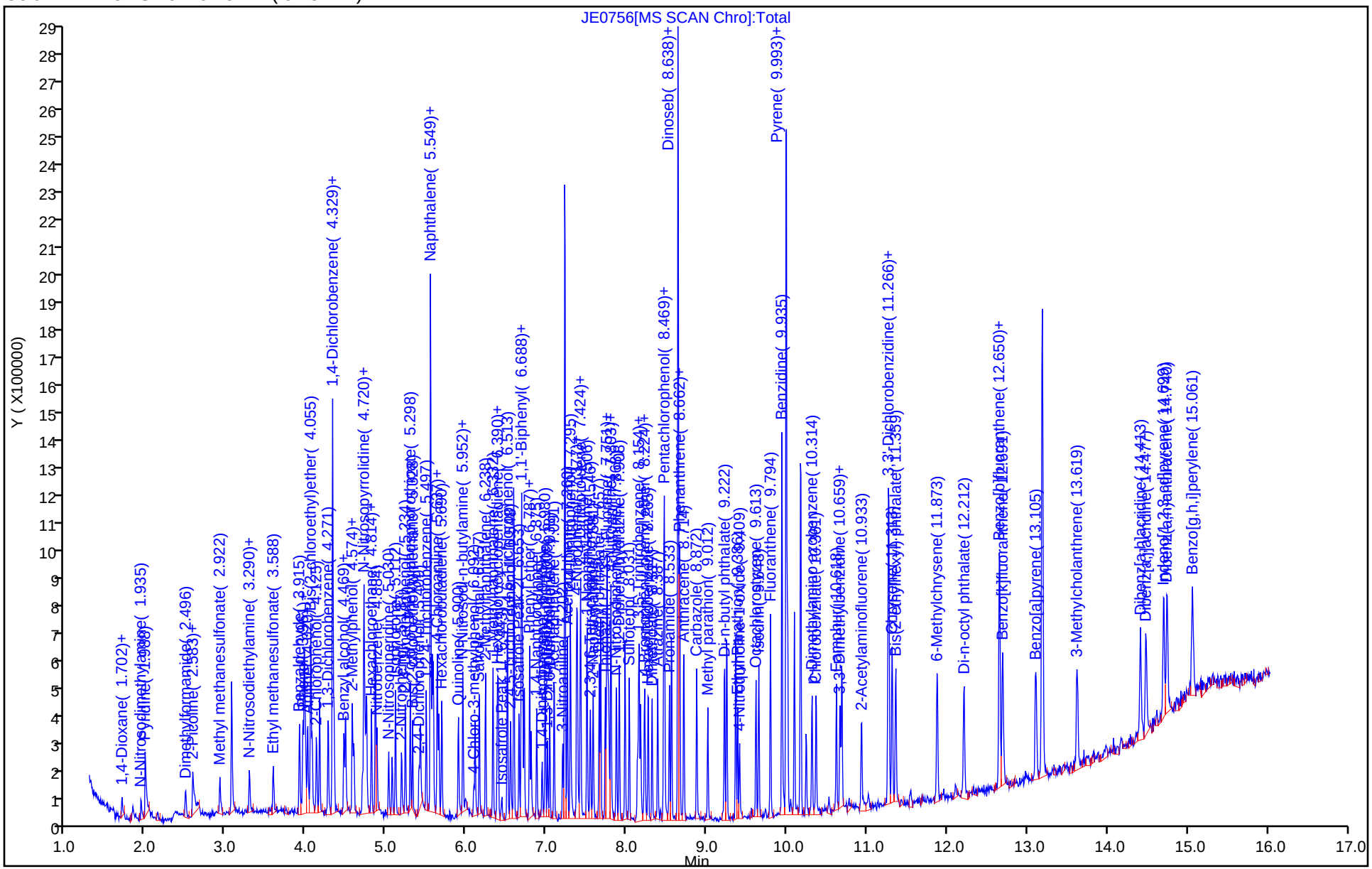
Report Date: 08-May-2025 09:32:12 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0756.D

Injection Date:	08-May-2025 01:36:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L3			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

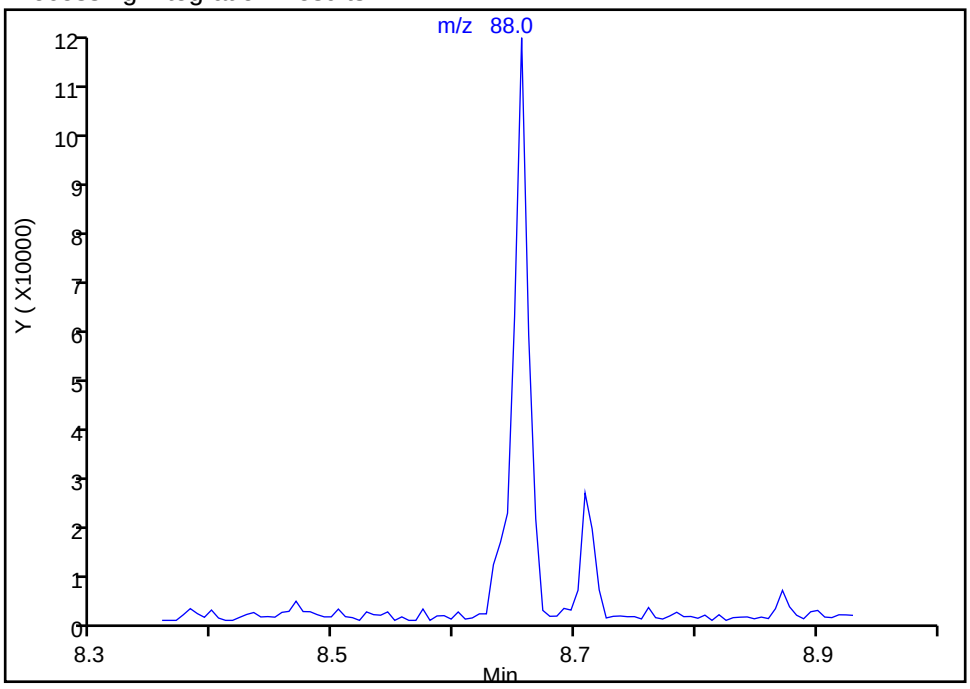
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0756.D				
Injection Date:	08-May-2025 01:36:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

134 Disulfoton, CAS: 298-04-4

Signal: 1

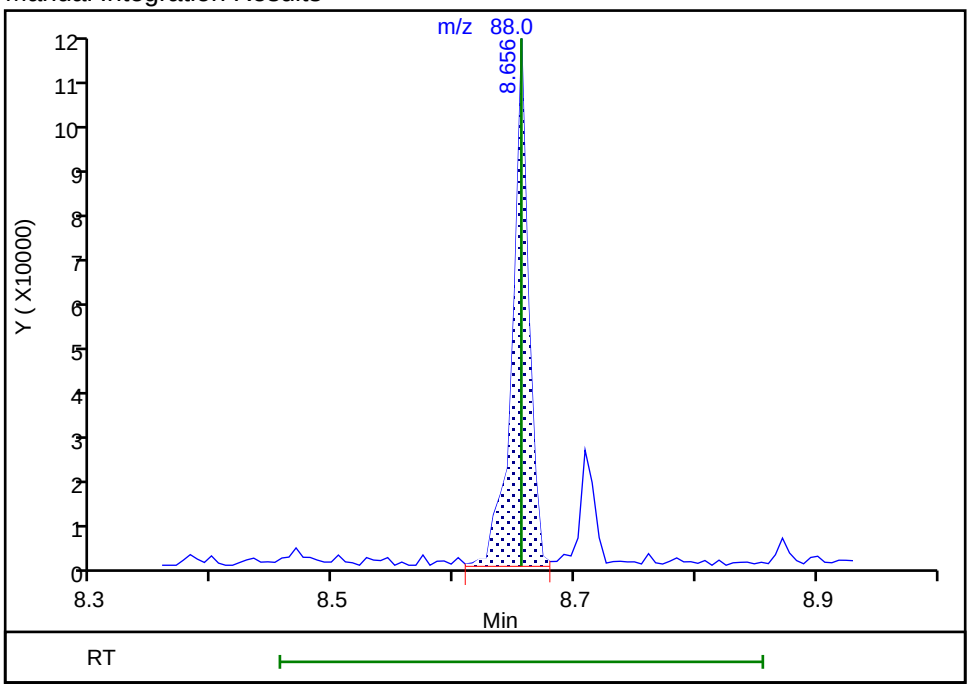
Not Detected
Expected RT: 8.66

Processing Integration Results



Manual Integration Results

RT: 8.66
Area: 107938
Amount: 1.165962
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:58:04 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

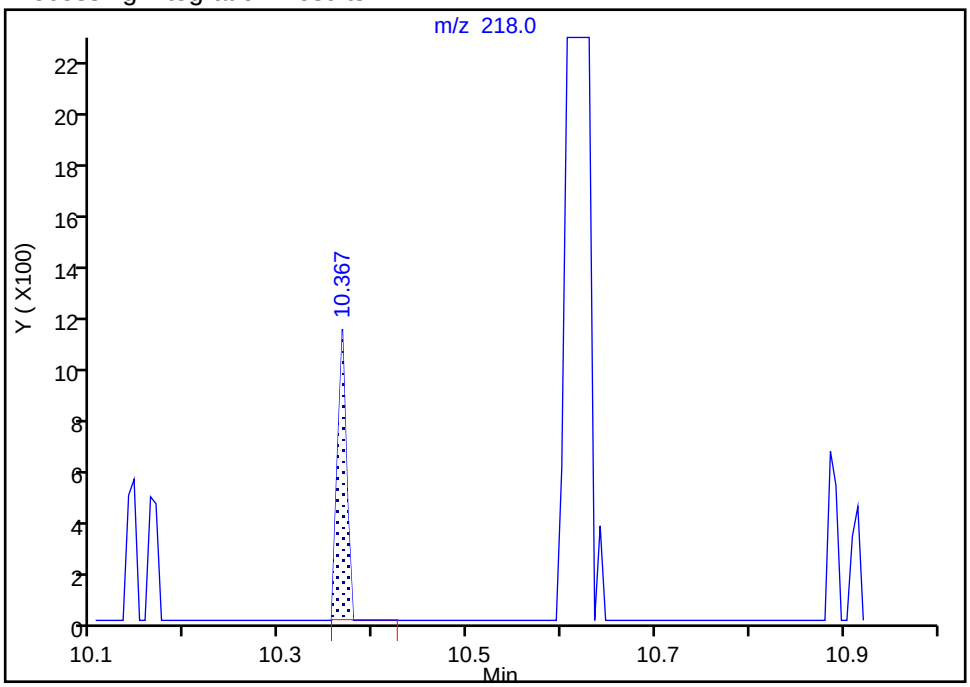
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0756.D
Injection Date: 08-May-2025 01:36:30 Instrument ID: HP23264
Lims ID: IC L3
Client ID:
Operator ID: IR93211 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

151 Famphur, CAS: 52-85-7

Signal: 1

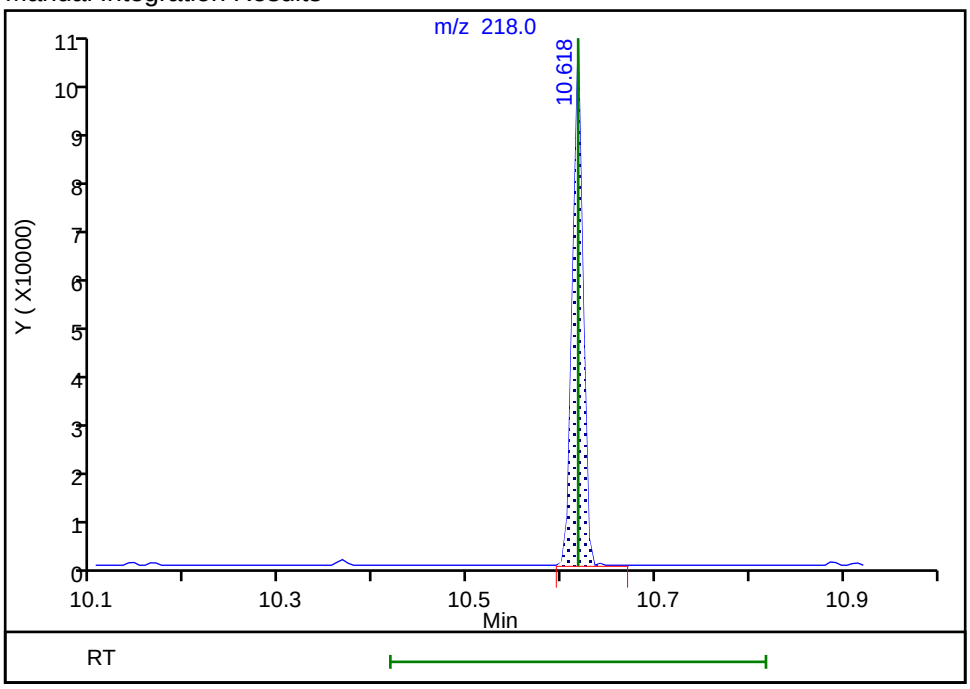
Processing Integration Results

RT: 10.37
Area: 754
Amount: 0.023201
Amount Units: ug/ml



Manual Integration Results

RT: 10.62
Area: 80126
Amount: 1.209900
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:58:13 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 08-May-2025 01:57:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0146504-008
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:32:33 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:01:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.707	1.695	0.012	65	15482	0.2500	0.5769	
2 N-Nitrosodimethylamine	74	1.964	1.929	0.035	73	11307	0.2500	0.2566	
3 Pyridine	79	2.023	1.970	0.053	96	32011	0.5000	0.4443	
4 Dimethylformamide	73	2.268	2.291	-0.023	1	2444	0.2500	0.0498	
5 2-Picoline	93	2.607	2.565	0.042	23	8546	0.2500	0.1299	
6 N-Nitrosomethylethylamine	88	2.612	2.641	-0.029	9	15079	0.2500	0.5107	
7 Methyl methanesulfonate	80	2.928	2.916	0.012	37	11658	0.2500	0.2497	
$ 9 2-Fluorophenol	112	3.079	3.068	0.011	86	26707	0.5000	0.4974	
11 N-Nitrosodiethylamine	102	3.296	3.290	0.006	60	7244	0.2500	0.2732	
12 Ethyl methanesulfonate	109	3.582	3.587	-0.005	91	6802	0.2500	0.2404	
13 Benzaldehyde	77	3.920	3.914	0.006	77	17047	0.2500	0.2703	
$ 15 Phenol-d5	99	3.979	3.973	0.006	91	35662	0.5000	0.4456	M
16 Phenol	94	3.996	3.990	0.006	64	20377	0.2500	0.2414	
17 Aniline	93	4.025	4.014	0.011	33	18911	0.2500	0.2027	a
18 Bis(2-chloroethyl)ether	93	4.078	4.072	0.006	88	15975	0.2500	0.2595	
19 2-Chlorophenol	128	4.131	4.124	0.007	83	9333	0.2500	0.1909	
21 1,3-Dichlorobenzene	146	4.276	4.270	0.006	73	10029	0.2500	0.1828	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	95	180841	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.347	4.346	0.001	86	13591	0.2500	0.2345	
26 Benzyl alcohol	108	4.481	4.463	0.018	59	7107	0.2500	0.1800	
27 1,2-Dichlorobenzene	146	4.493	4.492	0.001	84	11348	0.2500	0.2139	
29 2-Methylphenol	108	4.580	4.574	0.006	84	9054	0.2500	0.1683	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	85	15262	0.2500	0.2173	
31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	86	9429	0.2500	0.2919	
32 Acetophenone	105	4.720	4.720	0.000	88	21830	0.2500	0.2312	
33 N-Nitrosodi-n-propylamine	70	4.714	4.720	-0.006	75	12979	0.2500	0.2265	
34 4-Methylphenol	108	4.738	4.726	0.012	61	13504	0.2500	0.2230	
35 N-Nitrosomorpholine	56	4.744	4.738	0.006	42	11677	0.2500	0.2697	
36 2-Toluidine	106	4.755	4.755	0.000	90	23293	0.2500	0.2558	
37 Hexachloroethane	117	4.814	4.814	0.000	77	5747	0.2500	0.2014	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	88	42159	0.5000	0.4979	
40 Nitrobenzene	77	4.884	4.884	0.000	80	20583	0.2500	0.2479	
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	82	7470	0.2500	0.2772	
42 Isophorone	82	5.111	5.111	0.000	95	33836	0.2500	0.2335	
43 2-Nitrophenol	139	5.193	5.187	0.006	46	5600	0.2500	0.2019	
44 2,4-Dimethylphenol	107	5.240	5.234	0.006	89	14225	0.2500	0.2205	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	82	5239	0.2500	0.2199	
47 Bis(2-chloroethoxy)methane	93	5.333	5.327	0.006	78	13385	0.2500	0.1800	
49 2,4-Dichlorophenol	162	5.433	5.421	0.012	42	8882	0.2500	0.2178	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	85	12563	0.2500	0.2672	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	98	678080	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	94	34677	0.2500	0.2396	
55 Alpha-Terpineol	59	5.584	5.584	0.000	89	13050	0.2500	0.2403	
56 4-Chloroaniline	127	5.643	5.631	0.012	67	10899	0.2500	0.1782	
57 2,6-Dichlorophenol	162	5.643	5.637	0.006	83	10594	0.2500	0.2540	
58 Hexachloropropene	213	5.655	5.654	0.000	88	9615	0.2500	0.2496	
59 Hexachlorobutadiene	225	5.690	5.695	-0.005	86	6166	0.2500	0.2001	
61 Quinoline	129	5.906	5.894	0.012	81	18146	0.2500	0.1986	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	80	17446	0.2500	0.2647	
62 Caprolactam	113	5.952	5.958	-0.006	48	4083	0.2500	0.2703	
64 p-Phenylene diamine	108	5.952	5.975	-0.023	38	395	0.2500	0.8037	
65 4-Chloro-3-methylphenol	107	6.116	6.104	0.012	82	12580	0.2500	0.2185	
66 Safrole, Total	162	6.163	6.162	0.000	77	10147	0.2500	0.2705	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	86	19935	0.2500	0.2365	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	92	19341	0.2500	0.2232	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	88	9371	0.2500	0.2221	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	90	11095	0.2500	0.2266	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	20	4598	0.0400	0.1185	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	74	5342	0.2500	0.1780	
S 24 Dinitrotoluene	165				0		0.5000	0.4333	
80 2,4,5-Trichlorophenol	196	6.554	6.548	0.006	38	7630	0.2500	0.2204	Ma
$ 81 2-Fluorobiphenyl (Surr)	172	6.589	6.594	-0.005	97	51397	0.5000	0.4726	
82 Isosafrole Peak 2	162	6.659	6.653	0.006	53	7916	0.2100	0.1793	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	91	31241	0.2500	0.2532	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	92	18511	0.2500	0.2094	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	88	22633	0.2500	0.2710	
86 Phenyl ether	170	6.787	6.787	0.000	88	15453	0.2500	0.2437	
87 2-Nitroaniline	138	6.816	6.805	0.011	1	7651	0.2500	0.2400	a
88 1,4-Naphthoquinone	158	6.881	6.875	0.006	65	8304	0.2500	0.2205	
89 1,4-Dinitrobenzene	168	6.951	6.945	0.006	46	3242	0.2500	0.2407	
90 Dimethyl phthalate	163	6.986	6.986	0.000	76	28448	0.2500	0.2495	
91 1,3-Dinitrobenzene	168	7.015	7.009	0.006	21	4607	0.2500	0.2835	M
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	65	4672	0.2500	0.2013	
93 Acenaphthylene	152	7.097	7.097	0.000	97	34065	0.2500	0.2420	
95 3-Nitroaniline	138	7.208	7.196	0.012	60	5342	0.2500	0.2020	
* 96 Acenaphthene-d10	164	7.225	7.231	-0.006	96	385891	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	95	25795	0.2500	0.2599	
98 2,4-Dinitrophenol	184	7.301	7.295	0.006	68	33762	2.50	2.15	
100 4-Nitrophenol	109	7.383	7.371	0.012	81	29289	1.50	1.07	
99 Pentachlorobenzene	250	7.383	7.383	0.000	78	9118	0.2500	0.2084	
102 2,4-Dinitrotoluene	165	7.418	7.424	-0.006	64	7697	0.2500	0.2320	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.424	7.424	0.000	93	34197	0.2500	0.2639	
104 1-Naphthylamine	143	7.505	7.505	0.000	93	19831	0.2500	0.2230	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	69	6053	0.2500	0.1946	
106 2-Naphthylamine	143	7.587	7.581	0.006	93	25233	0.2500	0.2688	
107 Diethyl phthalate	149	7.657	7.657	0.000	94	28236	0.2500	0.2392	
109 Thionazin	107	7.733	7.733	0.000	41	4251	0.2500	0.2025	
108 Fluorene	166	7.751	7.751	0.000	58	27111	0.2500	0.2528	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.001	54	14397	0.2500	0.2850	
111 N-Nitro-o-toluidine	152	7.774	7.768	0.006	69	9793	0.2500	0.3290	
112 4-Nitroaniline	138	7.786	7.774	0.012	40	6632	0.2500	0.2452	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	62	24274	1.50	1.12	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	62	18671	0.2125	0.2085	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	99	38522	0.2500	0.2186	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	84	10101	0.5000	0.4542	
117 Sulfotepp	97	8.031	8.031	0.000	71	6834	0.2500	0.2150	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	66	1489	0.2500	0.1512	
120 cis-Diallate	86	8.148	8.148	0.000	76	16929	0.1850	0.2895	
119 Phorate	75	8.154	8.159	-0.005	91	26104	0.2500	0.2187	
121 Phenacetin	108	8.177	8.171	0.006	86	12807	0.2500	0.1650	
122 4-Bromophenyl phenyl ether	248	8.218	8.224	-0.006	72	6841	0.2500	0.2132	
123 trans-Diallate	86	8.230	8.235	-0.005	43	12815	0.0650	0.1966	a
124 Hexachlorobenzene	284	8.265	8.270	-0.005	85	10960	0.2500	0.2653	
125 Dimethoate	87	8.317	8.317	0.000	91	15330	0.2500	0.2535	
126 Atrazine	200	8.387	8.387	0.000	82	9807	0.2500	0.2806	
127 Pentachlorophenol	266	8.463	8.463	0.000	86	30580	1.25	1.13	
129 4-Aminobiphenyl	169	8.475	8.469	0.006	58	31435	0.2500	0.2488	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	50	5902	0.2500	0.2714	
130 Pronamide	173	8.533	8.533	0.000	86	14913	0.2500	0.2654	
* 131 Phenanthrene-d10	188	8.638	8.644	-0.006	97	763891	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	60	5548	0.2500	0.2027	
134 Disulfoton	88	8.656	8.656	0.000	89	26114	0.2500	0.2782	a
132 Phenanthrene	178	8.662	8.661	0.001	93	41408	0.2500	0.2444	
135 Anthracene	178	8.714	8.714	0.000	97	39512	0.2500	0.2322	
136 Carbazole	167	8.878	8.872	0.006	95	34108	0.2500	0.2262	
137 Methyl parathion	109	9.012	9.012	0.000	50	9770	0.2500	0.2007	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	98	49836	0.2500	0.2427	
139 Ethyl Parathion	109	9.386	9.385	0.001	75	6525	0.2500	0.2086	
140 4-Nitroquinoline-1-oxide	190	9.415	9.409	0.006	38	2645	0.2500	0.1704	
142 Octachlorostyrene	308	9.613	9.613	0.000	74	4681	0.2500	0.2397	
143 Isodrin	193	9.631	9.648	-0.017	81	9845	0.2500	0.2544	
S 68 Diallate	86				0		0.2500	0.4861	
144 Fluoranthene	202	9.794	9.794	0.000	97	41900	0.2500	0.2267	
145 Benzidine	184	9.940	9.940	0.000	98	68575	0.7500	0.5615	
* 146 Pyrene-d10 (IS)	212	9.987	9.993	-0.006	98	761740	5.00	5.00	
147 Pyrene	202	10.005	10.010	-0.005	95	47330	0.2500	0.2454	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	97	52911	0.5000	0.4358	
149 p-Dimethylamino azobenzene	225	10.308	10.314	-0.006	85	7436	0.2500	0.2653	
150 Chlorobenzilate	139	10.361	10.361	0.000	76	16142	0.2500	0.2463	
151 Famphur	218	10.618	10.618	0.000	84	18932	0.2500	0.2883	a
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	97	21632	0.2500	0.2370	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	93	20117	0.2500	0.2224	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	86	13803	0.2500	0.2065	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		0.2500	0.2978	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	60	16478	0.2500	0.2285	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.271	0.001	67	9733	0.2500	0.2758	
156 Benzo[a]anthracene	228	11.272	11.271	0.001	96	38302	0.2500	0.2220	
159 Chrysene	228	11.313	11.312	0.001	97	39115	0.2500	0.2425	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	94	29063	0.2500	0.2301	
S 103 Aramite, Total	185		11.583				0.2500	ND	
161 6-Methylchrysene	242	11.879	11.873	0.006	96	26984	0.2500	0.2448	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	98	49935	0.2500	0.2375	
164 Benzo[b]fluoranthene	252	12.656	12.655	0.001	94	36677	0.2500	0.2108	
163 7,12-Dimethylbenz(a)anthracene	256	12.650	12.655	-0.005	68	12739	0.2500	0.1919	
165 Benzo[k]fluoranthene	252	12.691	12.696	-0.005	96	45350	0.2500	0.2576	
166 Benzo[a]pyrene	252	13.105	13.105	0.000	78	45238	0.2500	0.2507	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	746749	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	85	20575	0.2500	0.2564	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	78	31220	0.2500	0.2461	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	95	35901	0.2500	0.2466	
171 Indeno[1,2,3-cd]pyrene	276	14.699	14.705	-0.006	95	46823	0.2500	0.2754	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	93	37971	0.2500	0.2349	M
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	97	39413	0.2500	0.2376	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_2_00043 Amount Added: 1.00 Units: mL

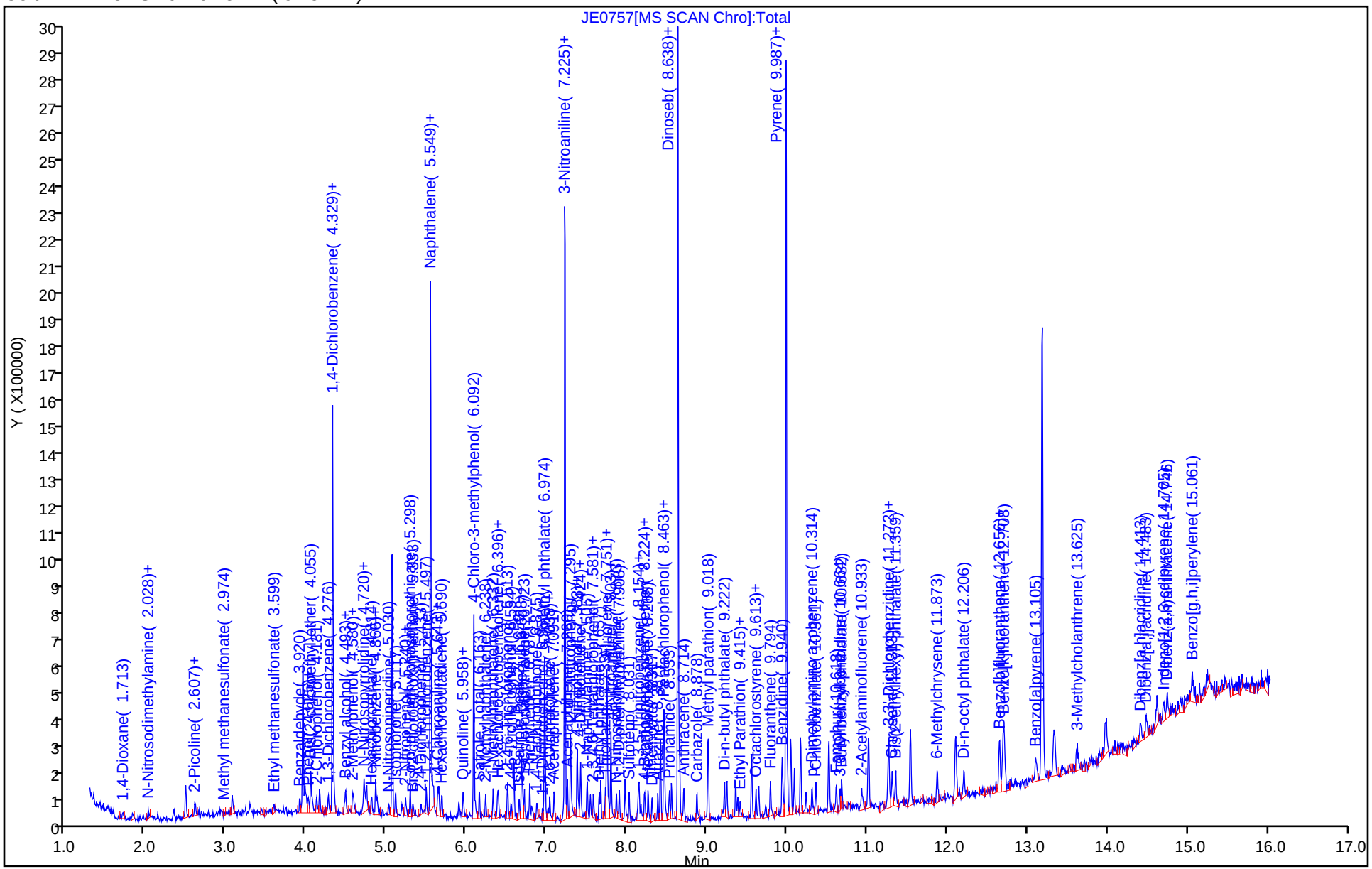
Report Date: 08-May-2025 09:32:34 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D

Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

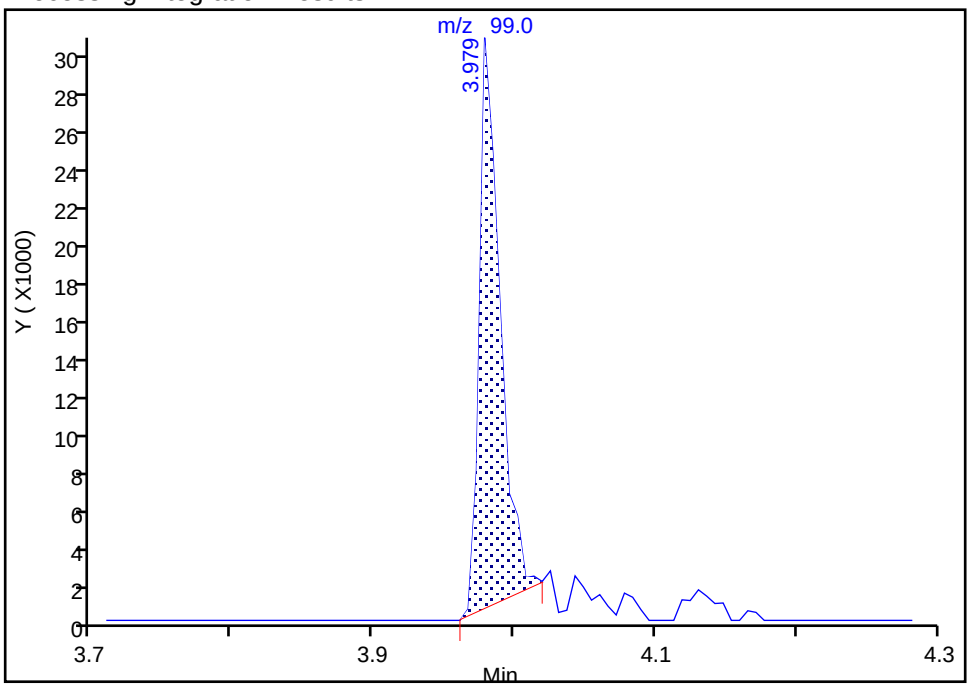
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D
Injection Date: 08-May-2025 01:57:30 Instrument ID: HP23264
Lims ID: IC L2
Client ID:
Operator ID: IR93211 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

$ 15 Phenol-d5, CAS: 4165-62-2

Signal: 1

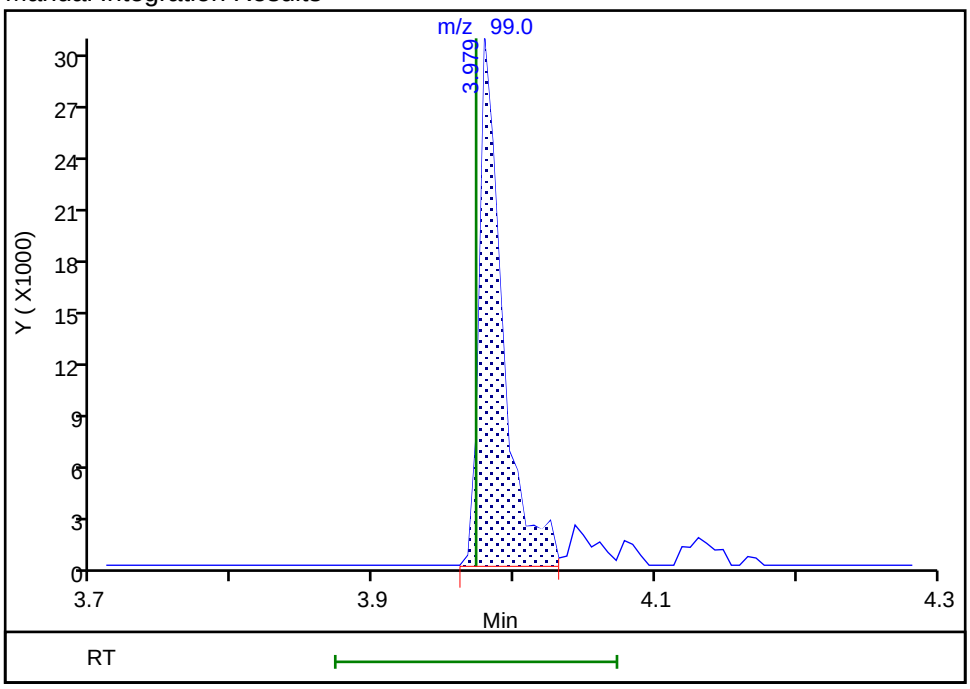
Processing Integration Results

RT: 3.98
Area: 30714
Amount: 0.492635
Amount Units: ug/ml



Manual Integration Results

RT: 3.98
Area: 35662
Amount: 0.445581
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:59:03 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

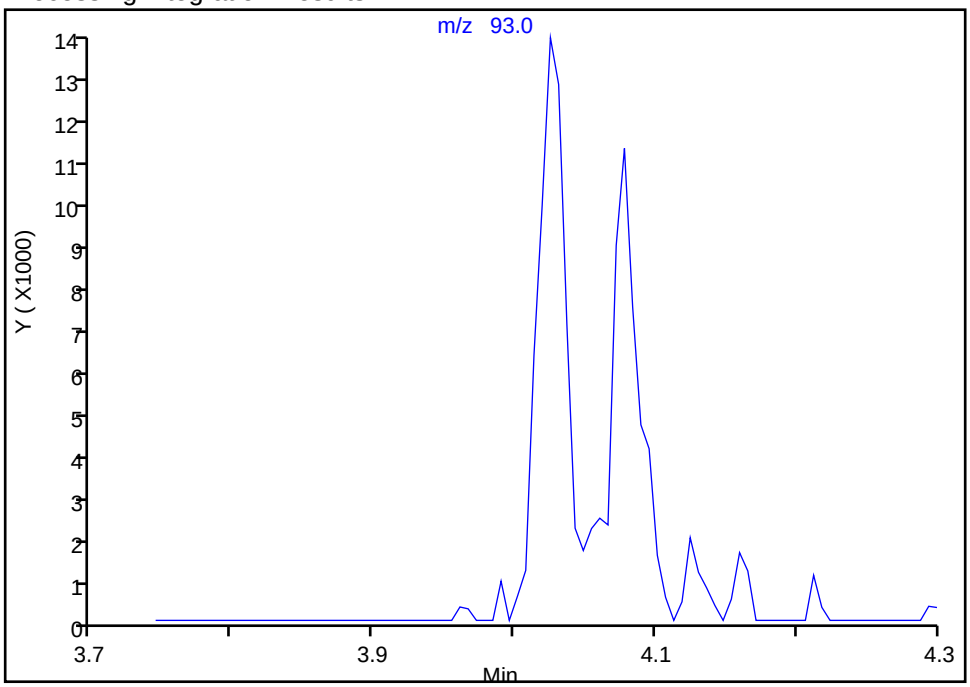
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

17 Aniline, CAS: 62-53-3

Signal: 1

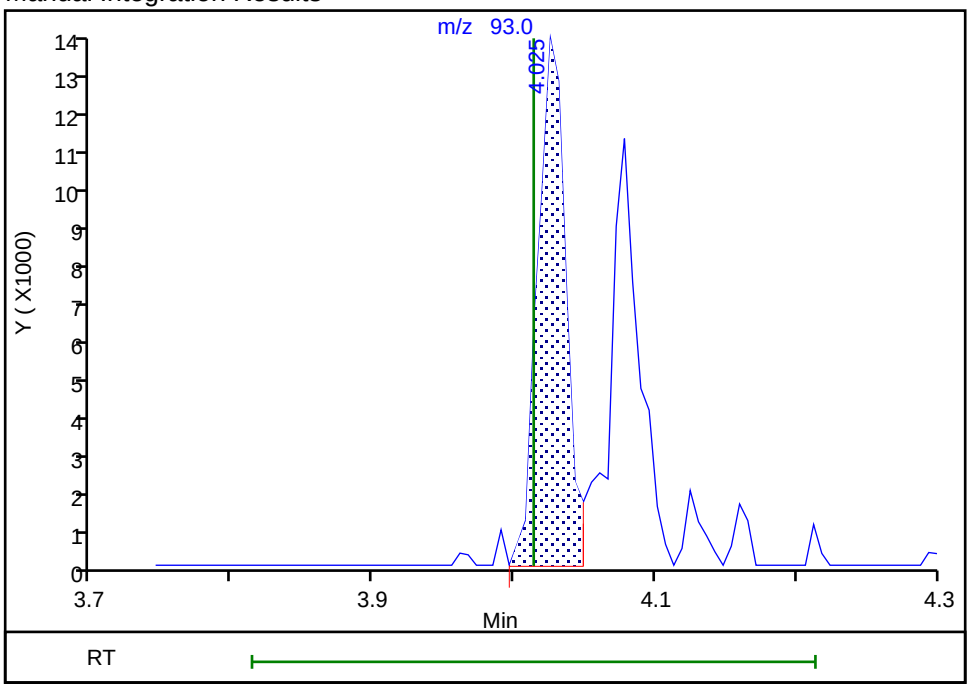
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.03
Area: 18911
Amount: 0.202750
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:59:17 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

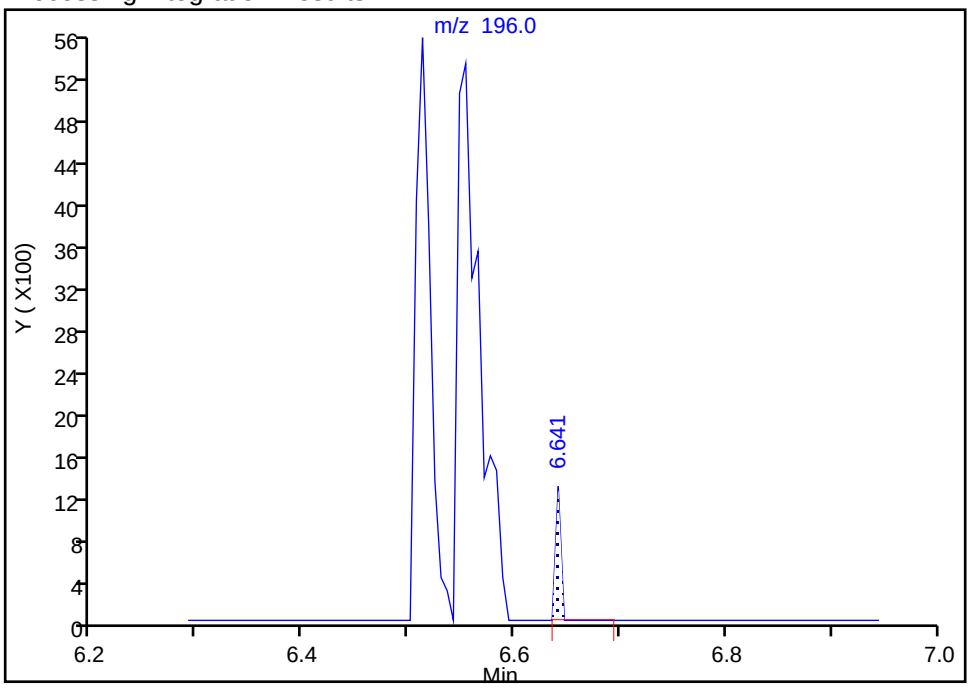
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

80 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

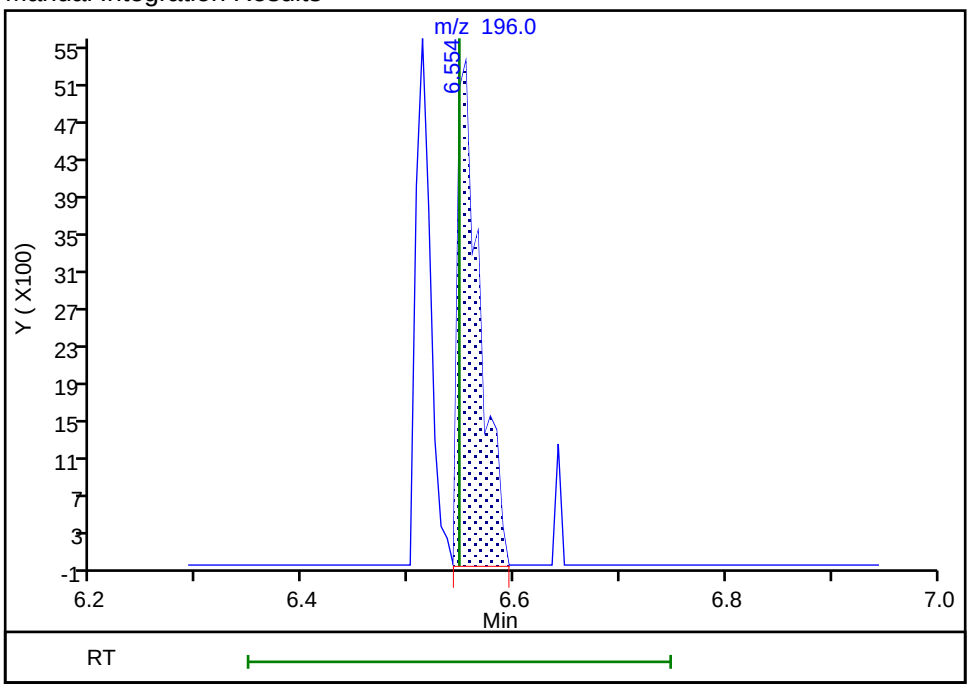
Processing Integration Results

RT: 6.64
Area: 444
Amount: 0.015559
Amount Units: ug/ml



Manual Integration Results

RT: 6.55
Area: 7630
Amount: 0.220440
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:59:57 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

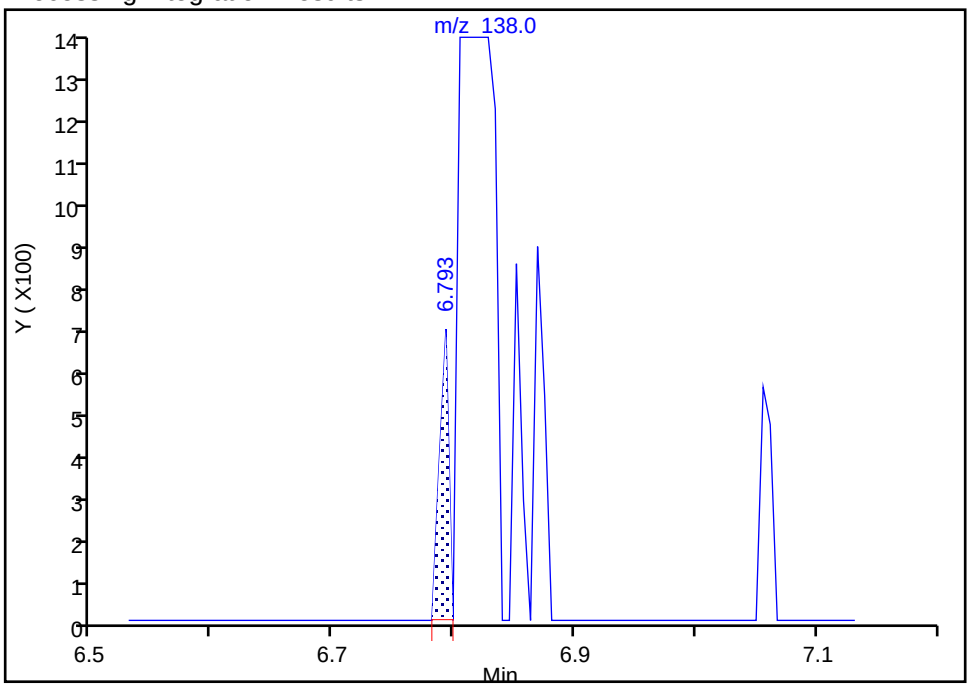
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D
Injection Date: 08-May-2025 01:57:30 Instrument ID: HP23264
Lims ID: IC L2
Client ID:
Operator ID: IR93211 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

87 2-Nitroaniline, CAS: 88-74-4

Signal: 1

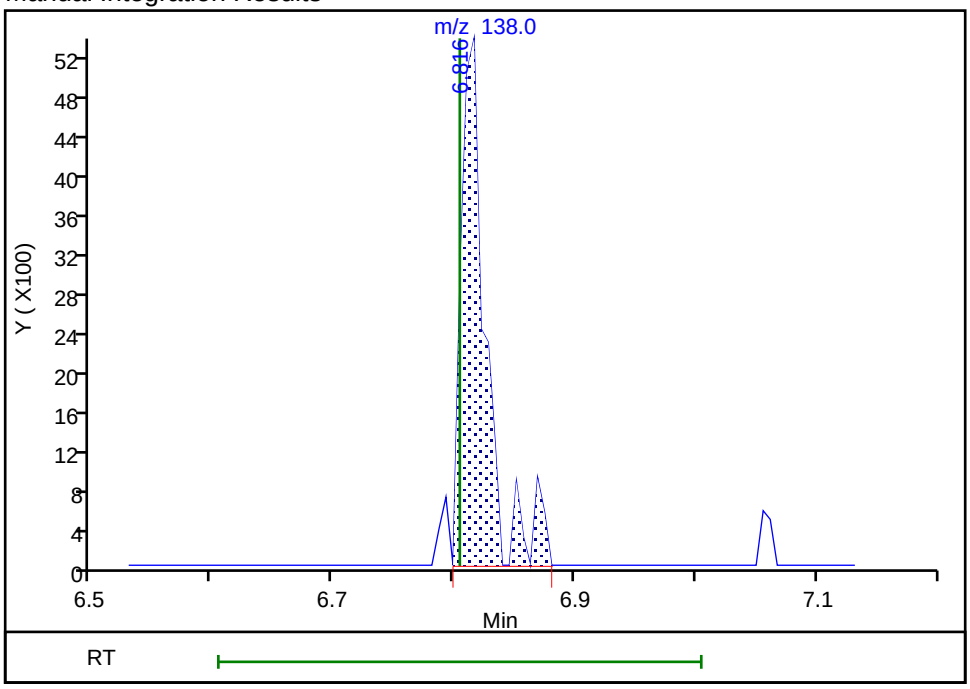
Processing Integration Results

RT: 6.79
Area: 372
Amount: 0.013173
Amount Units: ug/ml



Manual Integration Results

RT: 6.82
Area: 7651
Amount: 0.240006
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:04 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

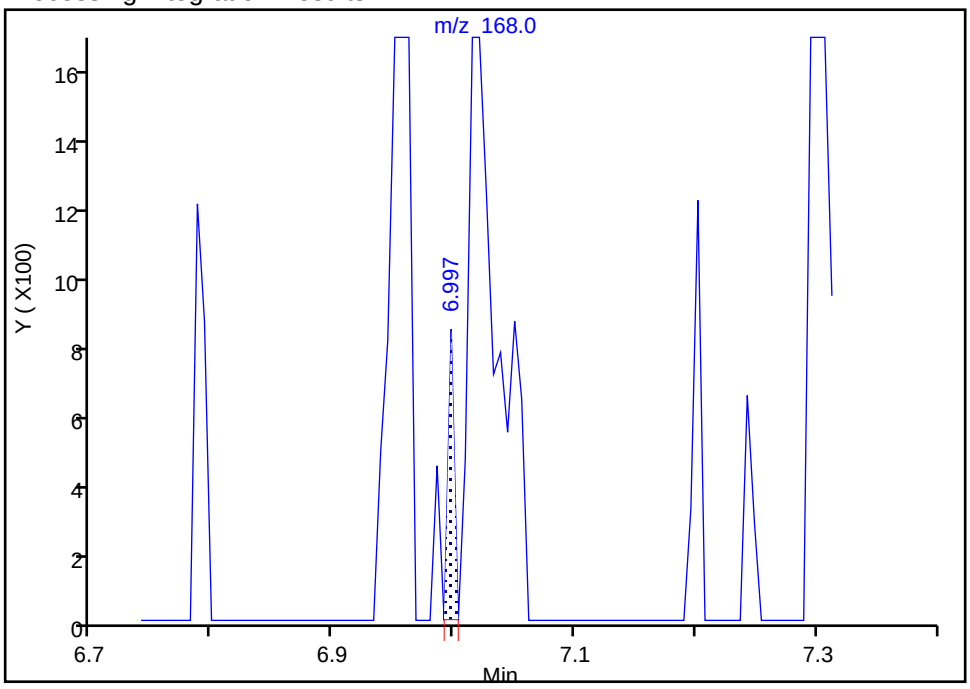
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

91 1,3-Dinitrobenzene, CAS: 99-65-0

Signal: 1

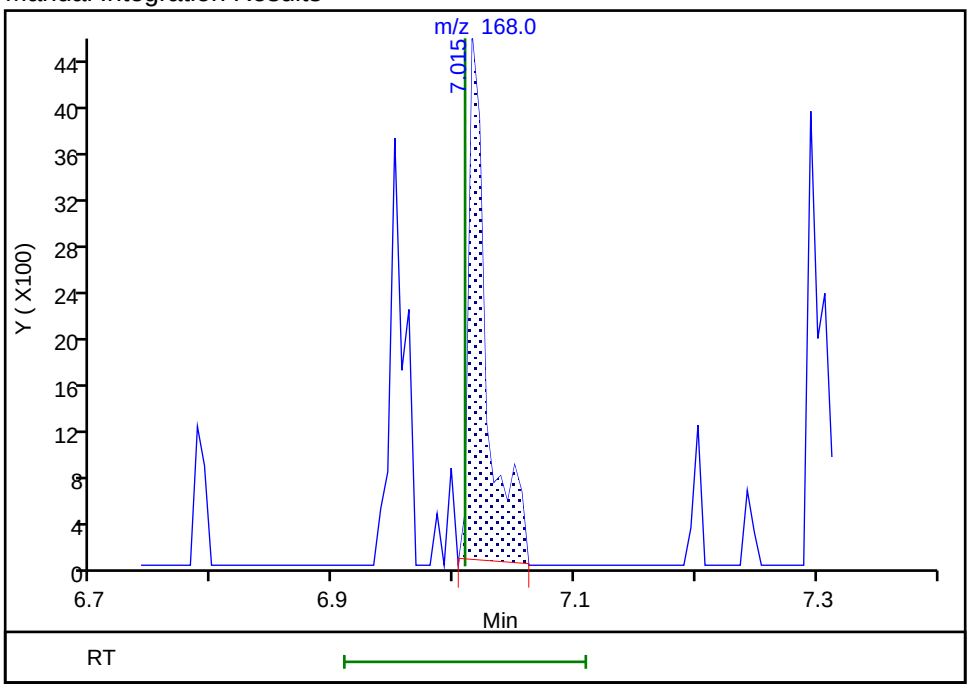
Processing Integration Results

RT: 7.00
Area: 291
Amount: 0.020653
Amount Units: ug/ml



Manual Integration Results

RT: 7.02
Area: 4607
Amount: 0.283541
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:20 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

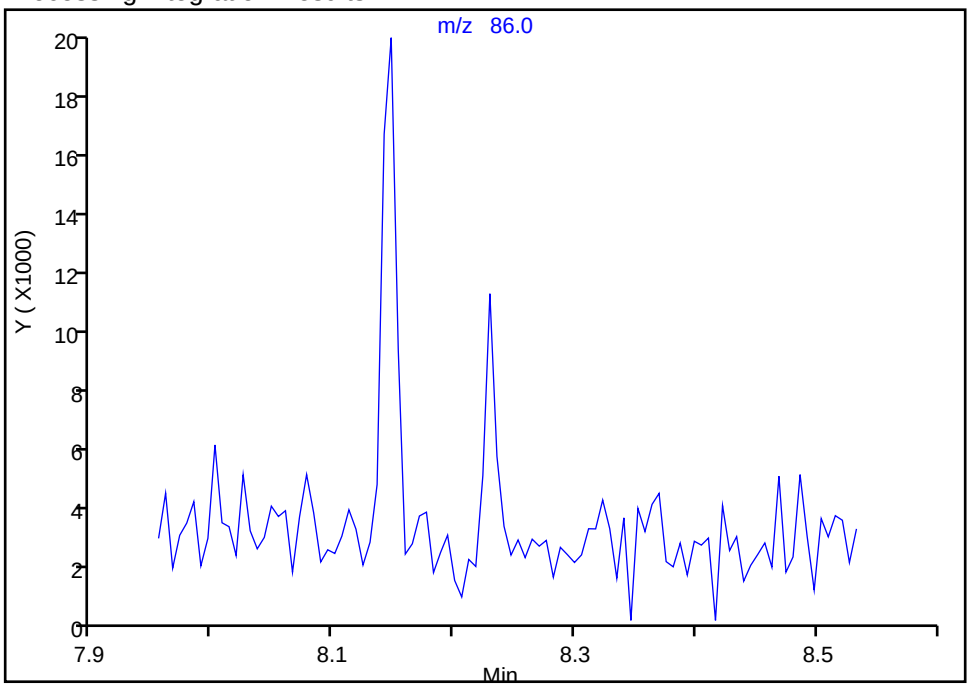
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 trans-Diallate, CAS: 17708-58-6

Signal: 1

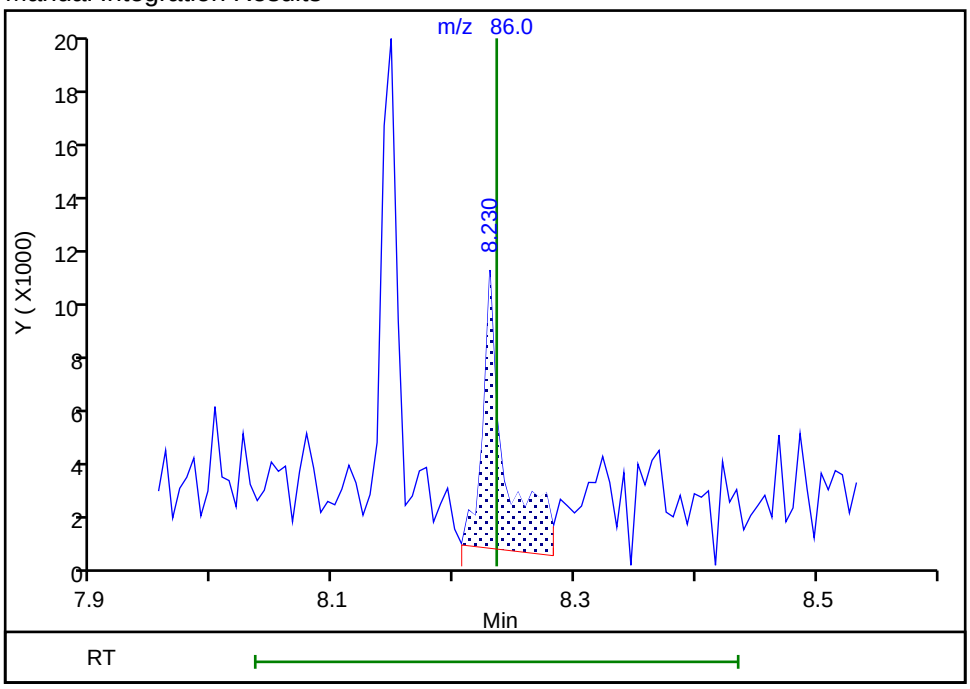
Not Detected
Expected RT: 8.24

Processing Integration Results



Manual Integration Results

RT: 8.23
Area: 12815
Amount: 0.196579
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:34 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

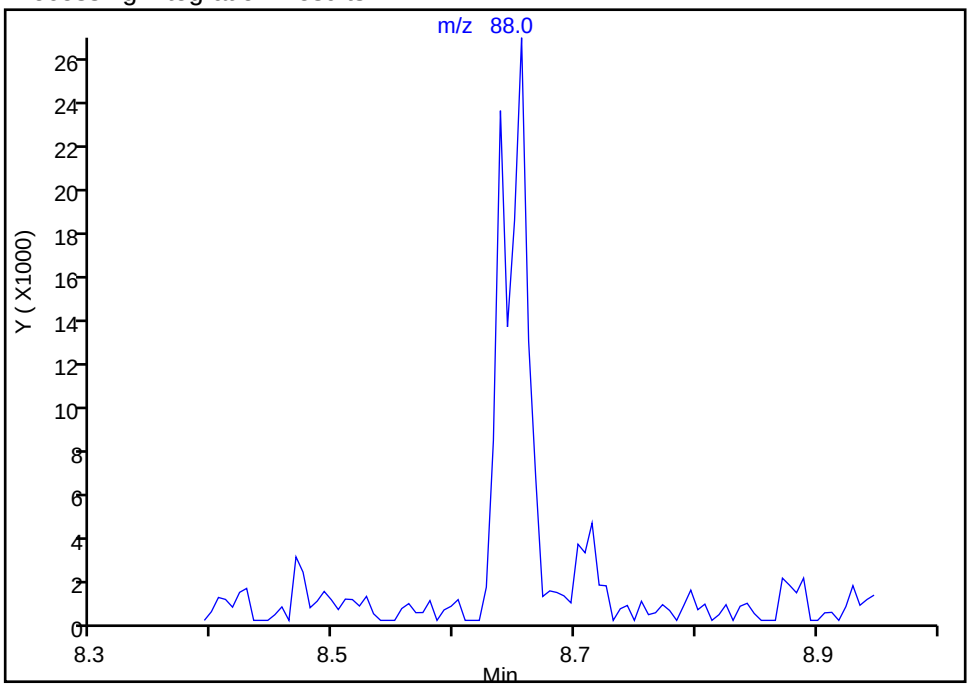
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D
Injection Date: 08-May-2025 01:57:30 Instrument ID: HP23264
Lims ID: IC L2
Client ID:
Operator ID: IR93211 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

134 Disulfoton, CAS: 298-04-4

Signal: 1

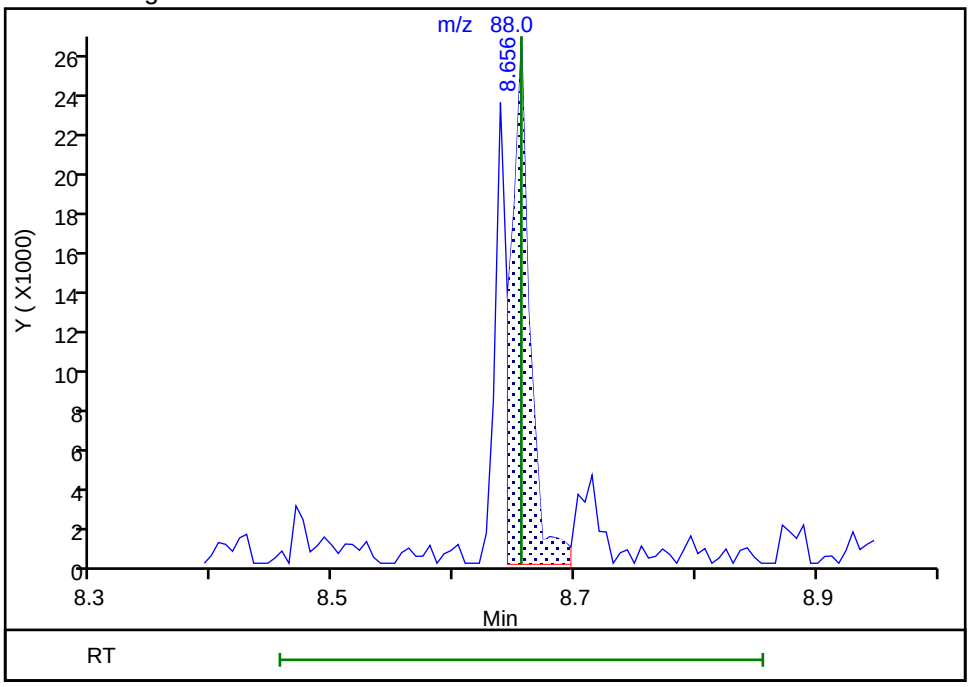
Not Detected
Expected RT: 8.66

Processing Integration Results



Manual Integration Results

RT: 8.66
Area: 26114
Amount: 0.278226
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:41 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

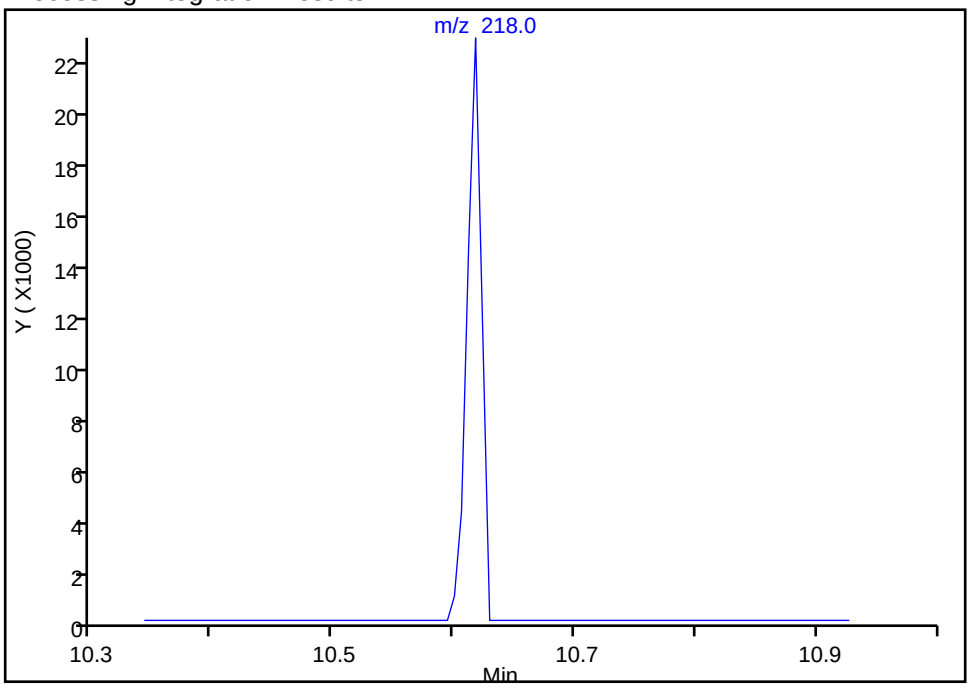
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Signal: 1

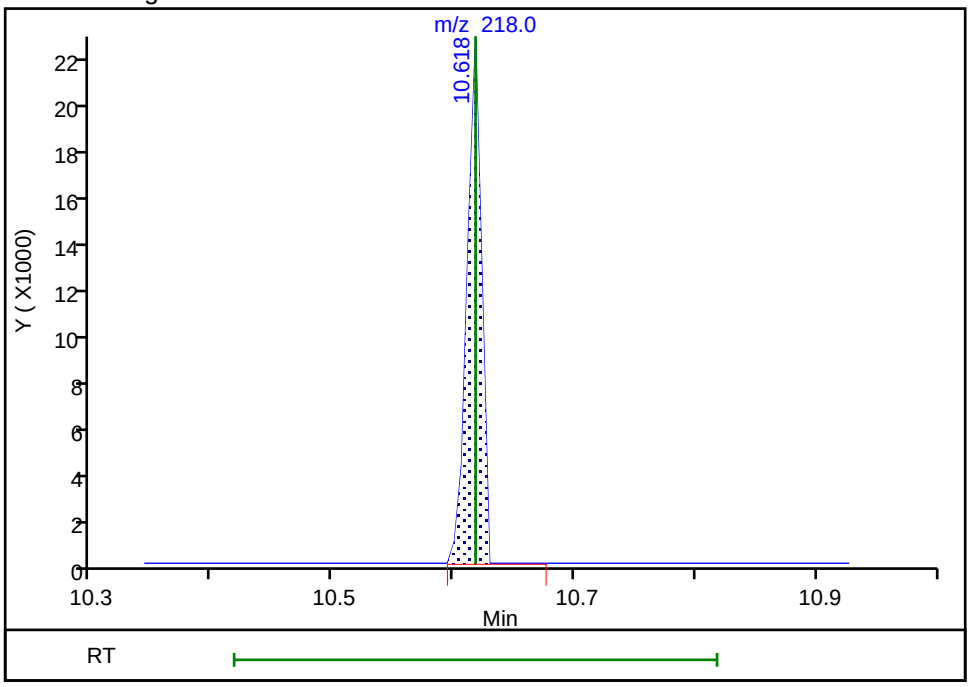
Not Detected
Expected RT: 10.62

Processing Integration Results



Manual Integration Results

RT: 10.62
Area: 18932
Amount: 0.288307
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:50 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

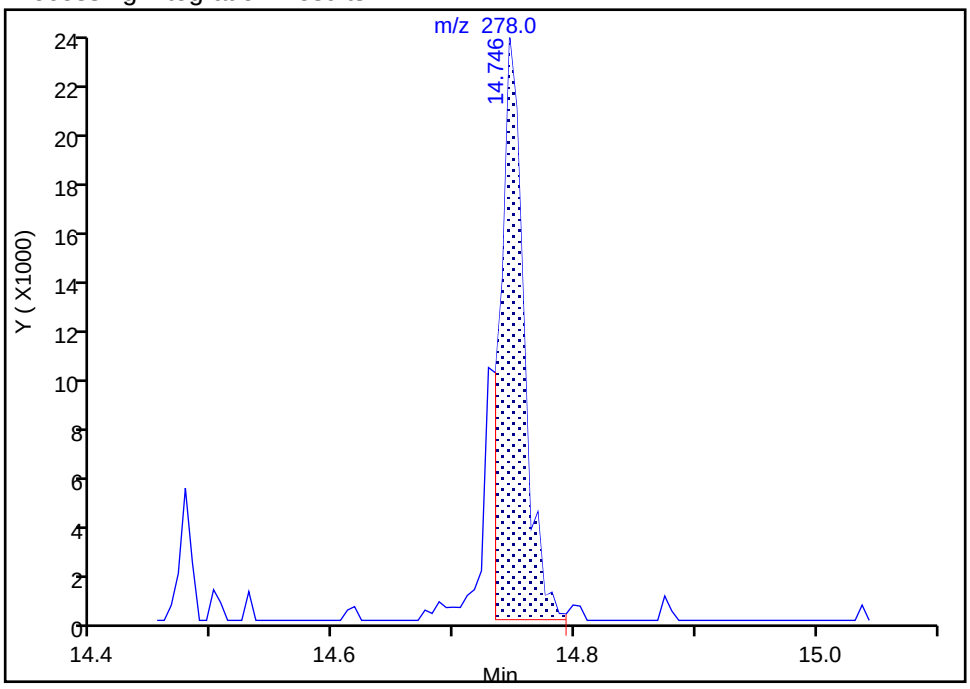
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

172 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

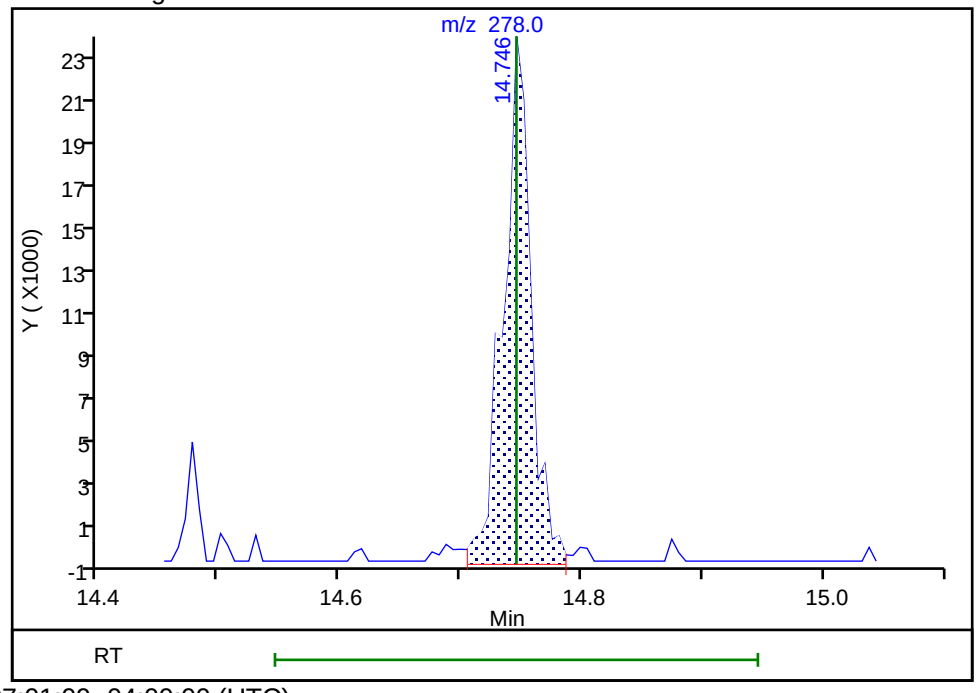
Processing Integration Results

RT: 14.75
Area: 30570
Amount: 0.193529
Amount Units: ug/ml



Manual Integration Results

RT: 14.75
Area: 37971
Amount: 0.234880
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:01:09 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 08-May-2025 02:18:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0146504-009
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:32:54 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:03:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.725	1.695	0.030	1	7216	0.1250	0.2882	
2 N-Nitrosodimethylamine	74	1.982	1.929	0.053	59	5612	0.1250	0.1365	
3 Pyridine	79	2.046	1.970	0.076	58	19645	0.2500	0.2922	
4 Dimethylformamide	73	2.274	2.291	-0.017	21	3401	0.1250	0.0743	
5 2-Picoline	93	2.624	2.565	0.059	8	6595	0.1250	0.1074	
6 N-Nitrosomethylethylamine	88	2.636	2.641	-0.005	1	2807	0.1250	0.1019	
7 Methyl methanesulfonate	80	2.933	2.916	0.017	18	5834	0.1250	0.1339	
$ 9 2-Fluorophenol	112	3.074	3.068	0.006	37	9488	0.2500	0.1894	
11 N-Nitrosodiethylamine	102	3.307	3.290	0.017	41	2372	0.1250	0.0959	
12 Ethyl methanesulfonate	109	3.599	3.587	0.012	41	3096	0.1250	0.1173	
13 Benzaldehyde	77	3.920	3.914	0.006	49	7012	0.1250	0.1191	
$ 15 Phenol-d5	99	3.990	3.973	0.017	86	10213	0.2500	0.1367	
16 Phenol	94	3.996	3.990	0.006	45	9400	0.1250	0.1193	
17 Aniline	93	4.025	4.014	0.011	36	9071	0.1250	0.1042	
18 Bis(2-chloroethyl)ether	93	4.078	4.072	0.006	38	7761	0.1250	0.1351	
19 2-Chlorophenol	128	4.136	4.124	0.012	31	6543	0.1250	0.1434	
21 1,3-Dichlorobenzene	146	4.276	4.270	0.006	67	7964	0.1250	0.1556	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	95	168754	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.341	4.346	-0.005	35	8488	0.1250	0.1570	
26 Benzyl alcohol	108	4.481	4.463	0.018	51	3413	0.1250	0.0926	
27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	73	6693	0.1250	0.1352	a
29 2-Methylphenol	108	4.574	4.574	0.000	7	4198	0.1250	0.0836	
30 2,2'-oxybis[1-chloropropane]	45	4.598	4.592	0.006	39	10939	0.1250	0.1669	
31 N-Nitrosopyrrolidine	100	4.708	4.697	0.011	34	3692	0.1250	0.1225	
32 Acetophenone	105	4.726	4.720	0.006	84	10322	0.1250	0.1172	
33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	49	6879	0.1250	0.1286	
34 4-Methylphenol	108	4.749	4.726	0.023	67	6255	0.1250	0.1107	Ma
35 N-Nitrosomorpholine	56	4.744	4.738	0.006	45	7147	0.1250	0.1769	
36 2-Toluidine	106	4.755	4.755	0.000	83	10897	0.1250	0.1282	
37 Hexachloroethane	117	4.819	4.814	0.005	23	4290	0.1250	0.1611	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	93	17128	0.2500	0.1984	
40 Nitrobenzene	77	4.878	4.884	-0.006	30	8640	0.1250	0.1021	a
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	33	3663	0.1250	0.1333	
42 Isophorone	82	5.117	5.111	0.006	96	17590	0.1250	0.1191	
43 2-Nitrophenol	139	5.199	5.187	0.012	26	4363	0.1250	0.1543	
44 2,4-Dimethylphenol	107	5.240	5.234	0.006	34	6652	0.1250	0.1011	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	80	3560	0.1250	0.1466	
47 Bis(2-chloroethoxy)methane	93	5.333	5.327	0.006	58	8515	0.1250	0.1123	
49 2,4-Dichlorophenol	162	5.433	5.421	0.012	8	3860	0.1250	0.0929	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	MU
50 1,2,4-Trichlorobenzene	180	5.491	5.497	-0.006	8	4555	0.1250	0.0950	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	691214	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	92	18400	0.1250	0.1247	
55 Alpha-Terpineol	59	5.584	5.584	0.000	46	5231	0.1250	0.0945	
56 4-Chloroaniline	127	5.654	5.631	0.023	73	5563	0.1250	0.0892	
57 2,6-Dichlorophenol	162	5.643	5.637	0.006	67	4089	0.1250	0.0962	
58 Hexachloropropene	213	5.660	5.654	0.006	85	6366	0.1250	0.1621	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	8	3167	0.1250	0.1008	
61 Quinoline	129	5.911	5.894	0.017	40	10945	0.1250	0.1175	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	40	13153	0.1250	0.1958	
62 Caprolactam	113	5.987	5.958	0.029	1	1008	0.1250	0.0655	
64 p-Phenylene diamine	108	5.976	5.975	0.001	1	182	0.1250	0.8003	
65 4-Chloro-3-methylphenol	107	6.122	6.104	0.018	29	7169	0.1250	0.1222	
66 Safrole, Total	162	6.162	6.162	0.000	33	4597	0.1250	0.1202	a
67 2-Methylnaphthalene	142	6.238	6.238	0.000	90	10200	0.1250	0.1187	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	85	10296	0.1250	0.1166	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	72	6242	0.1250	0.1503	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	84	6059	0.1250	0.1257	
72 Isosafrole Peak 1	162	6.449	6.443	0.006	1	895	0.0200	0.0234	
79 2,4,6-Trichlorophenol	196	6.519	6.513	0.006	69	3619	0.1250	0.1225	
S 24 Dinitrotoluene	165				0		0.2500	0.1702	
80 2,4,5-Trichlorophenol	196	6.554	6.548	0.006	1	1815	0.1250	0.0533	
$ 81 2-Fluorobiphenyl (Surr)	172	6.594	6.594	0.000	96	27755	0.2500	0.2593	
82 Isosafrole Peak 2	162	6.659	6.653	0.006	17	5952	0.1050	0.1370	a
83 1,1'-Biphenyl	154	6.688	6.688	0.000	88	17739	0.1250	0.1461	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	46	8441	0.1250	0.0970	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	1	10178	0.1250	0.1238	
86 Phenyl ether	170	6.793	6.787	0.006	88	8709	0.1250	0.1395	
87 2-Nitroaniline	138	6.816	6.805	0.011	1	3875	0.1250	0.1235	
88 1,4-Naphthoquinone	158	6.886	6.875	0.011	48	5897	0.1250	0.1591	
89 1,4-Dinitrobenzene	168	6.916	6.945	-0.029	1	895	0.1250	0.0675	
90 Dimethyl phthalate	163	6.986	6.986	0.000	89	14401	0.1250	0.1283	
91 1,3-Dinitrobenzene	168	7.015	7.009	0.006	13	1733	0.1250	0.1084	
92 2,6-Dinitrotoluene	165	7.027	7.038	-0.011	1	1627	0.1250	0.0712	a
93 Acenaphthylene	152	7.097	7.097	0.000	96	17695	0.1250	0.1277	
95 3-Nitroaniline	138	7.389	7.196	0.193	51	897	0.1250	0.0345	
* 96 Acenaphthene-d10	164	7.225	7.231	-0.006	96	379811	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	91	13429	0.1250	0.1375	
98 2,4-Dinitrophenol	184	7.301	7.295	0.006	71	15535	1.25	1.01	
100 4-Nitrophenol	109	7.389	7.371	0.018	67	12754	0.7500	0.4716	
99 Pentachlorobenzene	250	7.383	7.383	0.000	83	6833	0.1250	0.1587	
102 2,4-Dinitrotoluene	165	7.429	7.424	0.005	64	3231	0.1250	0.0990	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.424	7.424	0.000	85	14428	0.1250	0.1131	
104 1-Naphthylamine	143	7.505	7.505	0.000	86	10123	0.1250	0.1156	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	38	4938	0.1250	0.1613	a
106 2-Naphthylamine	143	7.587	7.581	0.006	76	10429	0.1250	0.1129	
107 Diethyl phthalate	149	7.657	7.657	0.000	93	13594	0.1250	0.1170	
109 Thionazin	107	7.727	7.733	-0.006	41	3316	0.1250	0.1605	
108 Fluorene	166	7.751	7.751	0.000	73	16446	0.1250	0.1558	
110 4-Chlorophenyl phenyl ether	204	7.756	7.756	0.000	56	6079	0.1250	0.1223	
111 N-Nitro-o-toluidine	152	7.762	7.768	-0.006	1	2077	0.1250	0.0709	
112 4-Nitroaniline	138	7.797	7.774	0.023	39	1983	0.1250	0.0745	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	66	15265	0.7500	0.6946	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	71	9091	0.1063	0.0998	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	95	20598	0.1250	0.1150	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	84	5543	0.2500	0.2532	
117 Sulfotepp	97	8.031	8.031	0.000	64	4465	0.1250	0.1382	
118 1,3,5-Trinitrobenzene	213	8.142	8.136	0.006	65	1411	0.1250	0.1409	
120 cis-Diallate	86	8.148	8.148	0.000	63	18283	0.0925	0.3075	
119 Phorate	75	8.154	8.159	-0.005	92	18449	0.1250	0.1521	
121 Phenacetin	108	8.189	8.171	0.018	12	6891	0.1250	0.0873	
122 4-Bromophenyl phenyl ether	248	8.218	8.224	-0.006	72	3699	0.1250	0.1134	
123 trans-Diallate	86	8.235	8.235	0.000	42	15641	0.0325	0.2360	a
124 Hexachlorobenzene	284	8.264	8.270	-0.006	80	4408	0.1250	0.1050	
125 Dimethoate	87	8.317	8.317	0.000	31	7099	0.1250	0.1155	a
126 Atrazine	200	8.387	8.387	0.000	10	4763	0.1250	0.1340	a
127 Pentachlorophenol	266	8.463	8.463	0.000	70	10450	0.6250	0.3798	
129 4-Aminobiphenyl	169	8.475	8.469	0.006	16	16003	0.1250	0.1246	a
128 Pentachloronitrobenzene	237	8.457	8.469	-0.012	50	1782	0.1250	0.0806	
130 Pronamide	173	8.533	8.533	0.000	83	7340	0.1250	0.1285	
* 131 Phenanthrene-d10	188	8.638	8.644	-0.006	97	776661	5.00	5.00	
133 Dinoseb	211	8.632	8.644	-0.012	60	2391	0.1250	0.0859	
134 Disulfoton	88	8.638	8.656	-0.018	55	26289	0.1250	0.2755	
132 Phenanthrene	178	8.662	8.661	0.001	91	21690	0.1250	0.1259	
135 Anthracene	178	8.714	8.714	0.000	96	20636	0.1250	0.1193	
136 Carbazole	167	8.878	8.872	0.006	95	13368	0.1250	0.0872	
137 Methyl parathion	109	9.012	9.012	0.000	63	7209	0.1250	0.1456	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	97	25342	0.1250	0.1214	
139 Ethyl Parathion	109	9.380	9.385	-0.005	1	4916	0.1250	0.1546	
140 4-Nitroquinoline-1-oxide	190	9.415	9.409	0.006	2	1957	0.1250	0.1240	
142 Octachlorostyrene	308	9.613	9.613	0.000	73	2745	0.1250	0.1383	
143 Isodrin	193	9.642	9.648	-0.006	75	5702	0.1250	0.0508	
S 68 Diallate	86				0		0.1250	0.5435	
144 Fluoranthene	202	9.794	9.794	0.000	95	19085	0.1250	0.1015	
145 Benzidine	184	9.940	9.940	0.000	98	27799	0.3750	0.2280	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	98	760414	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	94	23720	0.1250	0.1232	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	95	29163	0.2500	0.2406	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	48	4237	0.1250	0.1514	
150 Chlorobenzilate	139	10.361	10.361	0.000	87	7653	0.1250	0.1170	
151 Famphur	218	10.618	10.618	0.000	86	7428	0.1250	0.1133	a
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	95	11376	0.1250	0.1248	
153 Butyl benzyl phthalate	149	10.682	10.688	-0.006	88	11864	0.1250	0.1314	
155 2-Acetylaminofluorene	181	10.939	10.933	0.006	28	6698	0.1250	0.1004	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		0.1250	0.1604	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	54	7707	0.1250	0.1071	
158 4,4'-Methylene bis(2-chloroanil	231	11.277	11.271	0.006	64	3846	0.1250	0.1092	
156 Benzo[a]anthracene	228	11.277	11.271	0.006	97	20416	0.1250	0.1185	
159 Chrysene	228	11.312	11.312	0.000	94	19441	0.1250	0.1207	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	87	13227	0.1250	0.1049	
S 103 Aramite, Total	185		11.583				0.1250	ND	
161 6-Methylchrysene	242	11.873	11.873	0.000	77	13275	0.1250	0.1207	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	57	22506	0.1250	0.1135	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	94	19546	0.1250	0.1192	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	71	7565	0.1250	0.1209	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	65	20465	0.1250	0.1233	
166 Benzo[a]pyrene	252	13.111	13.105	0.006	79	25694	0.1250	0.1511	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	703955	5.00	5.00	
168 3-Methylcholanthrene	268	13.613	13.625	-0.012	1	10015	0.1250	0.1324	
169 Dibenz[a,h]acridine	279	14.419	14.413	0.006	24	13718	0.1250	0.1147	
170 Dibenz[a,j]acridine	279	14.489	14.483	0.006	9	17476	0.1250	0.1274	
171 Indeno[1,2,3-cd]pyrene	276	14.711	14.705	0.006	94	16630	0.1250	0.1038	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	7	16038	0.1250	0.1052	
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	79	16318	0.1250	0.1044	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_1_00042 Amount Added: 1.00 Units: mL

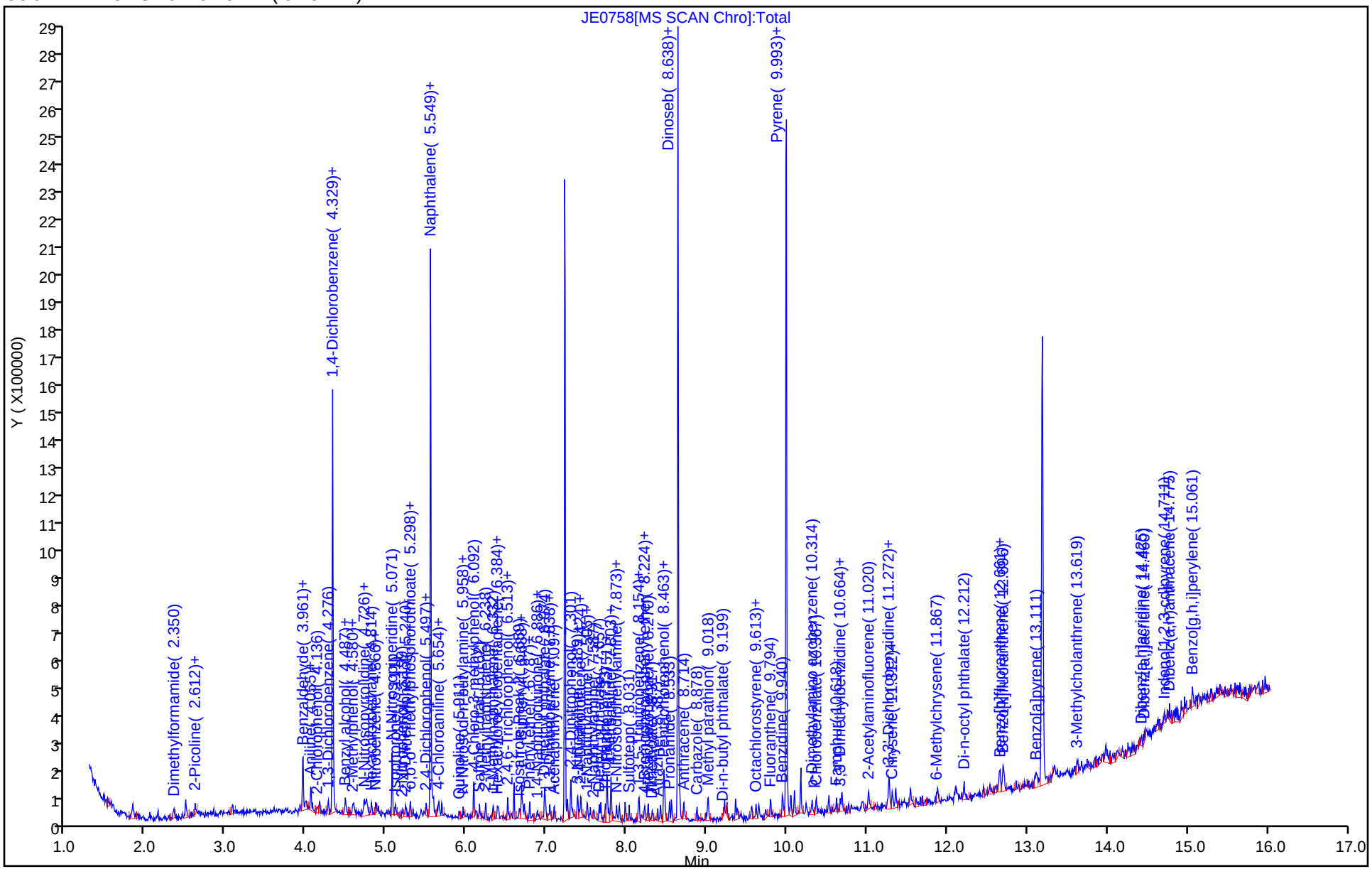
Report Date: 08-May-2025 09:32:55 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D

Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

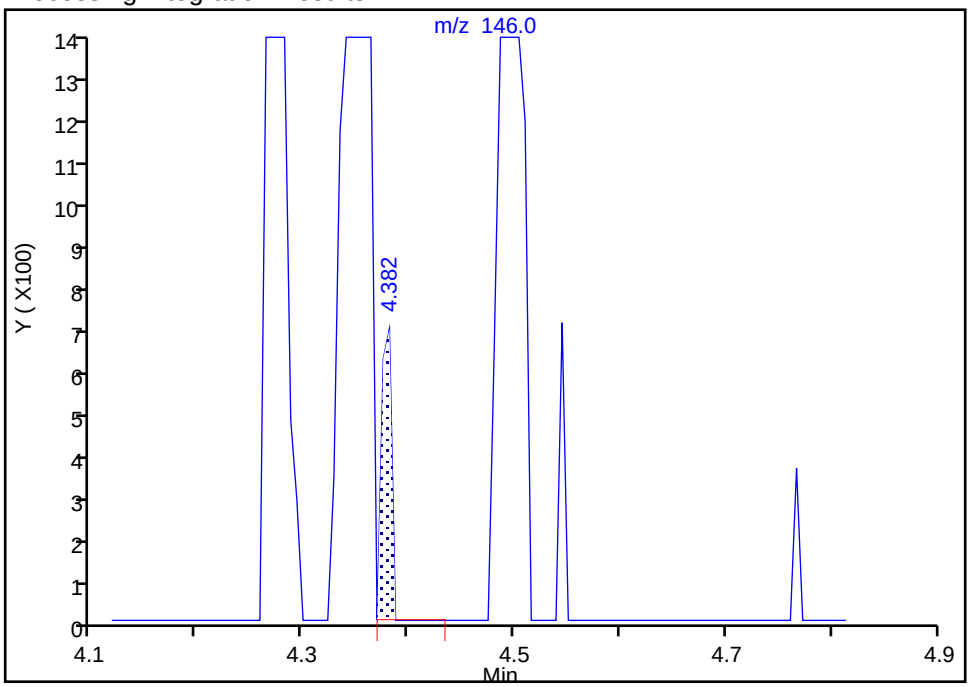
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

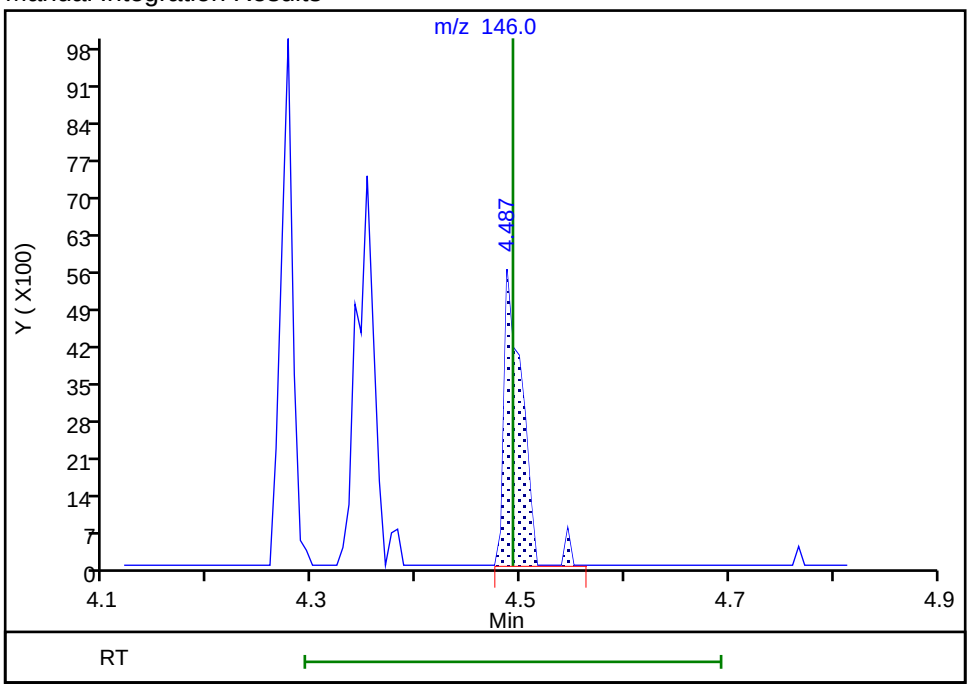
Processing Integration Results

RT: 4.38
Area: 454
Amount: 0.105585
Amount Units: ug/ml



Manual Integration Results

RT: 4.49
Area: 6693
Amount: 0.135197
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:16:51 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

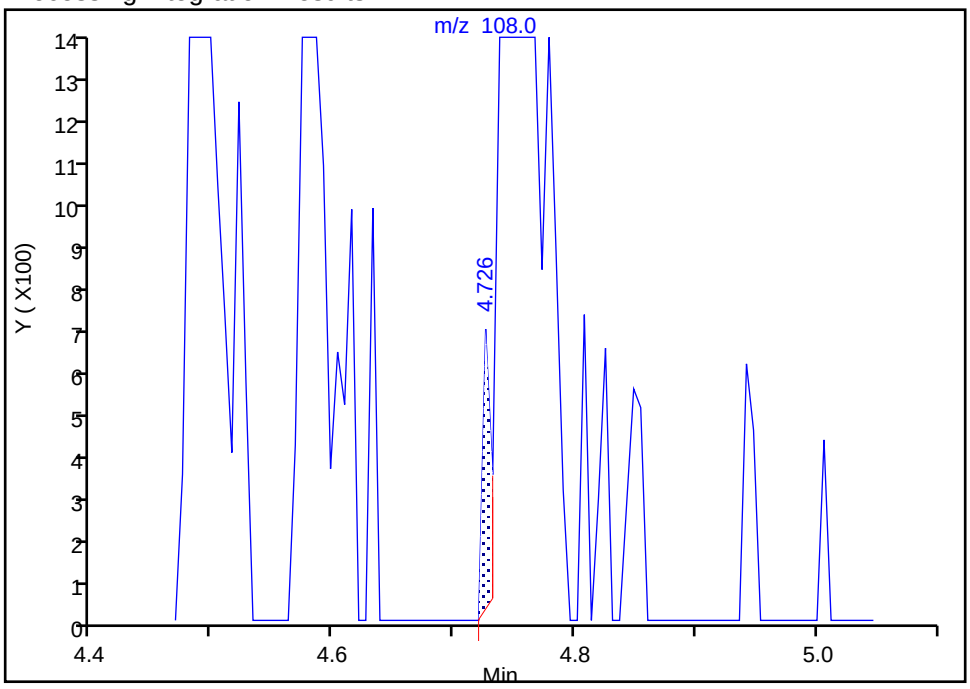
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D
Injection Date: 08-May-2025 02:18:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: IR93211 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

34 4-Methylphenol, CAS: 106-44-5

Signal: 1

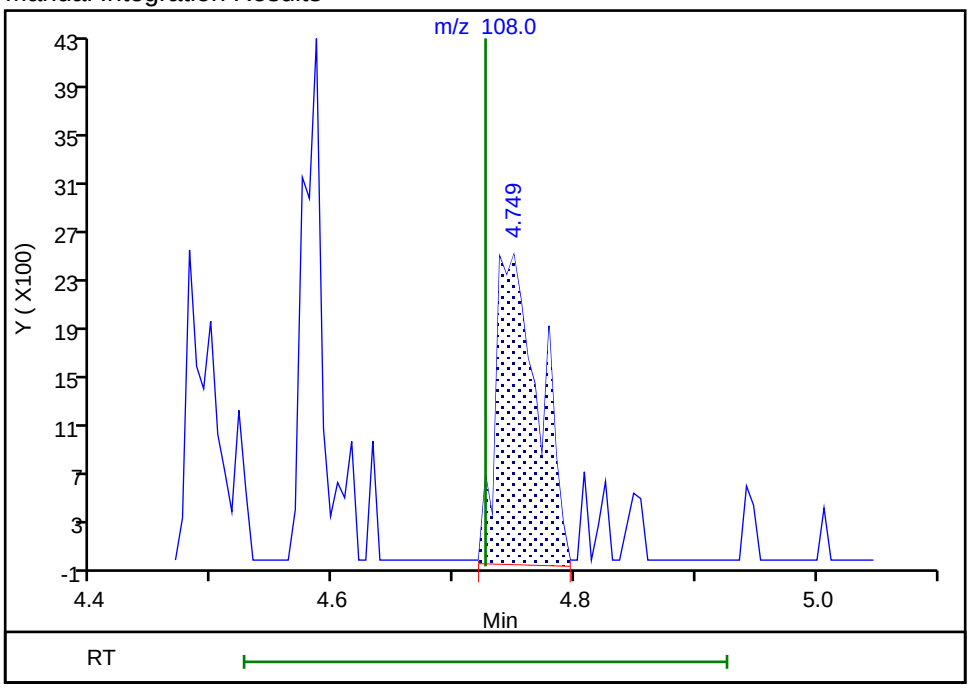
Processing Integration Results

RT: 4.73
Area: 281
Amount: 0.113570
Amount Units: ug/ml



Manual Integration Results

RT: 4.75
Area: 6255
Amount: 0.110716
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:14:54 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

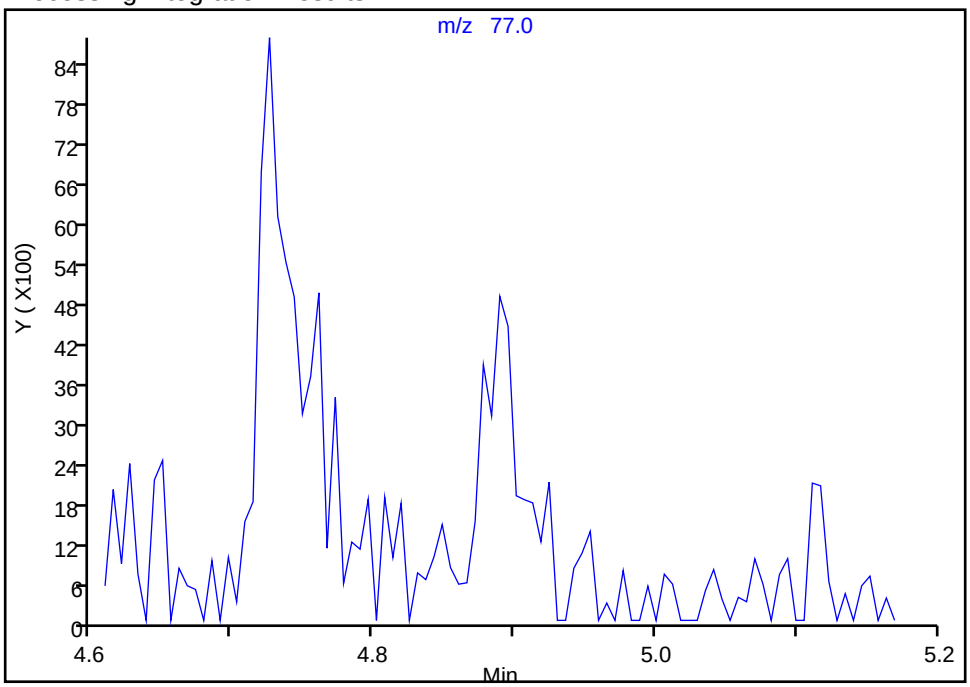
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Signal: 1

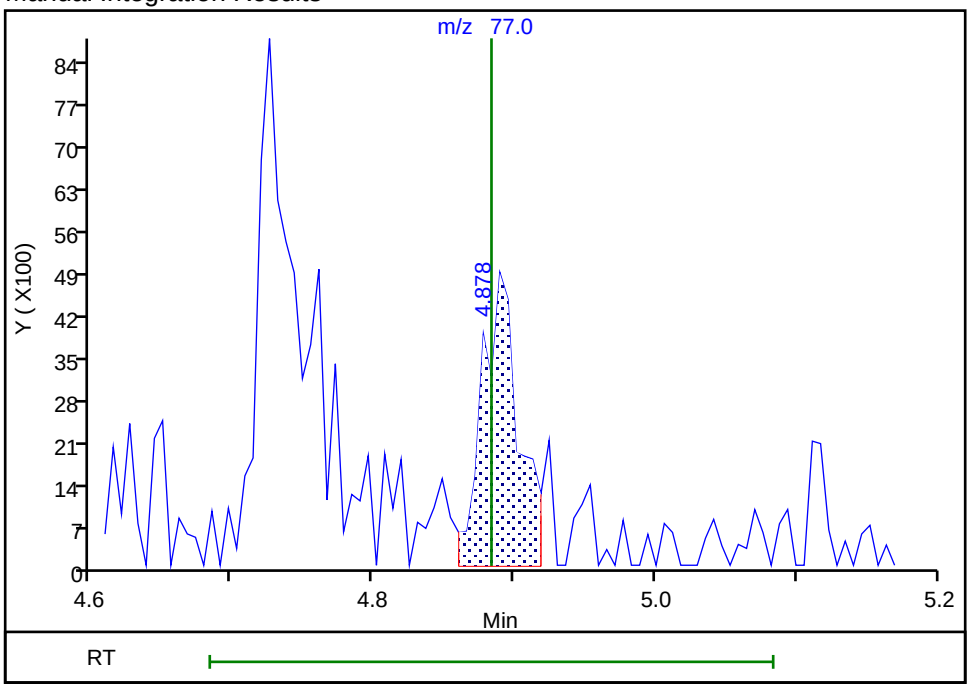
Not Detected
Expected RT: 4.88

Processing Integration Results



Manual Integration Results

RT: 4.88
Area: 8640
Amount: 0.102095
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:01:51 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

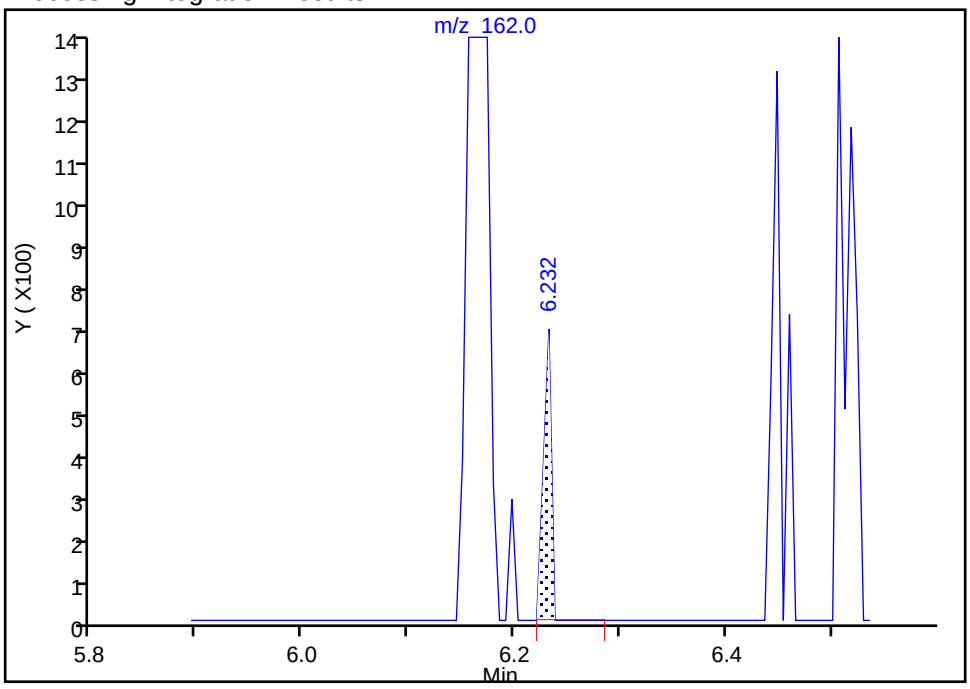
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

66 Safrole, Total, CAS: 94-59-7

Signal: 1

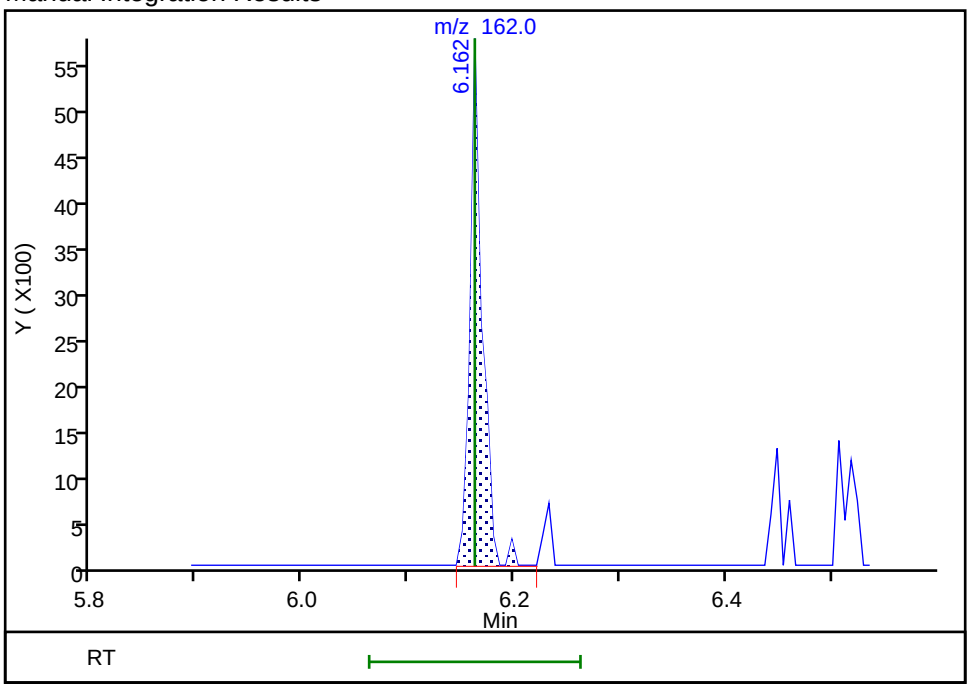
Processing Integration Results

RT: 6.23
Area: 353
Amount: 0.010383
Amount Units: ug/ml



Manual Integration Results

RT: 6.16
Area: 4597
Amount: 0.120209
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:09 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

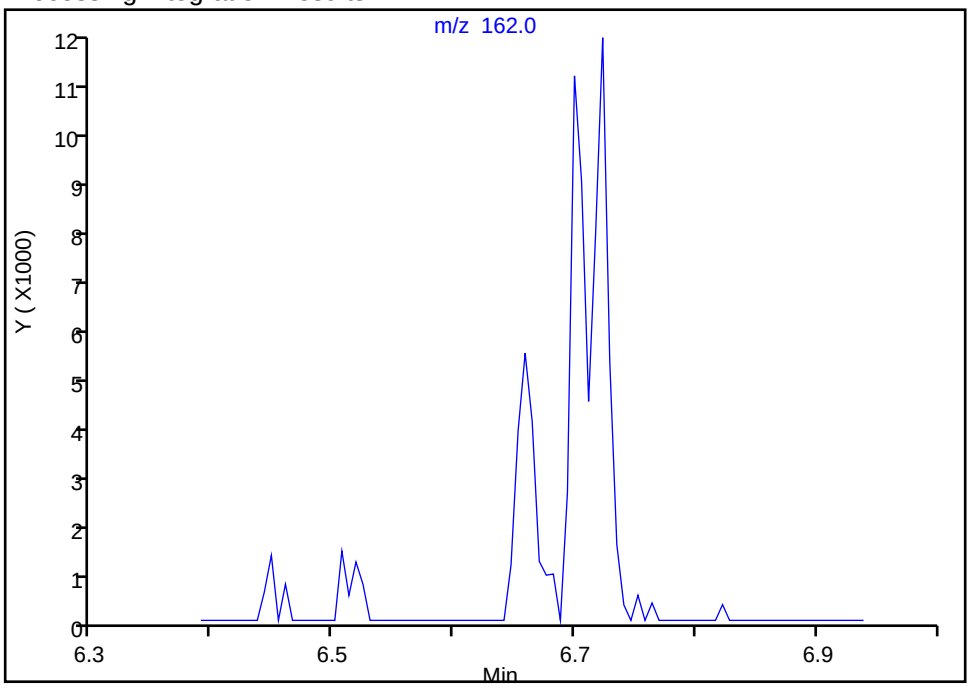
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

82 Isosafrole Peak 2, CAS: STL03316

Signal: 1

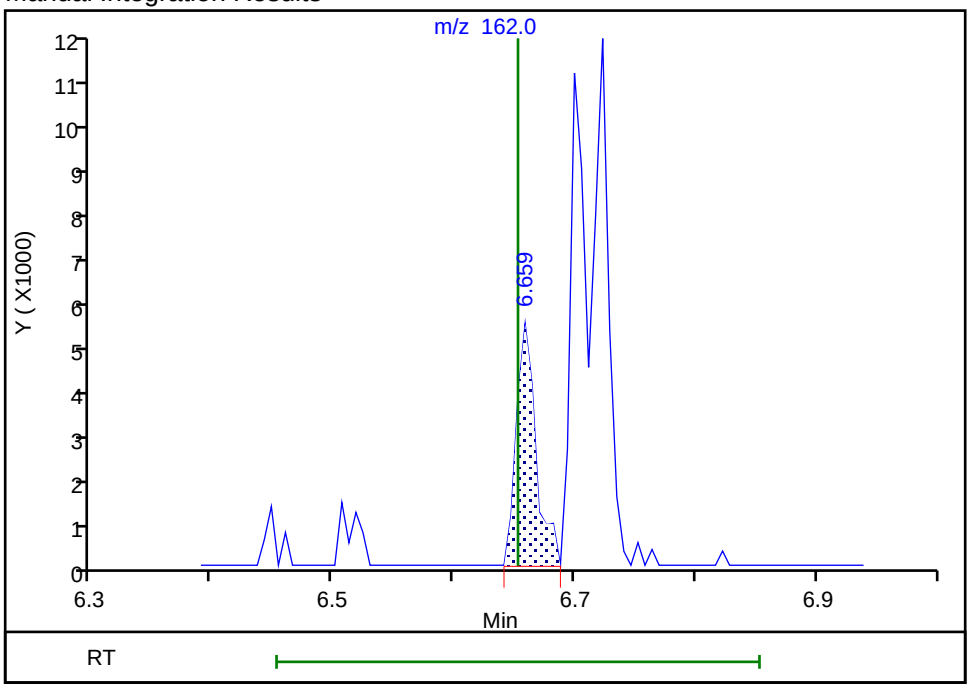
Not Detected
Expected RT: 6.65

Processing Integration Results



Manual Integration Results

RT: 6.66
Area: 5952
Amount: 0.136973
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:15 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

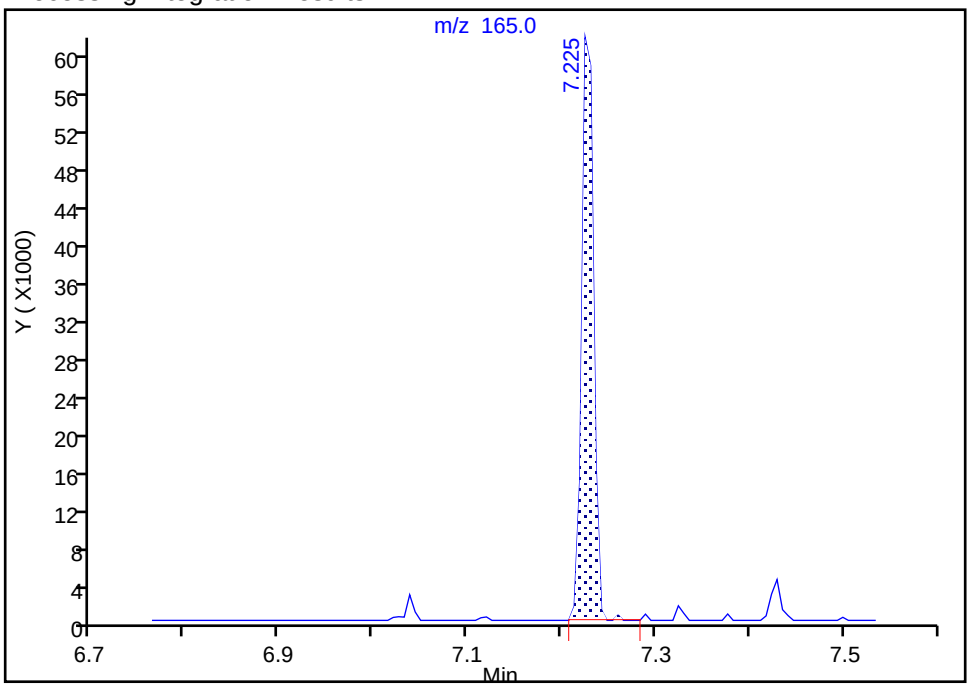
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D
Injection Date: 08-May-2025 02:18:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: IR93211 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

92 2,6-Dinitrotoluene, CAS: 606-20-2

Signal: 1

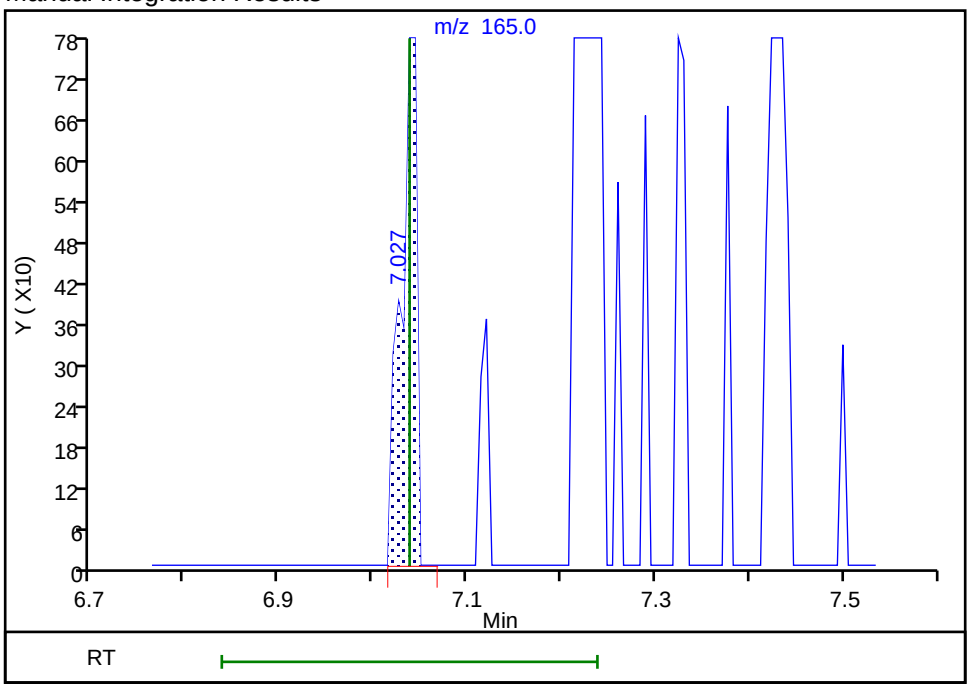
Processing Integration Results

RT: 7.23
Area: 54107
Amount: 0.730229
Amount Units: ug/ml



Manual Integration Results

RT: 7.03
Area: 1627
Amount: 0.071221
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:23:59 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

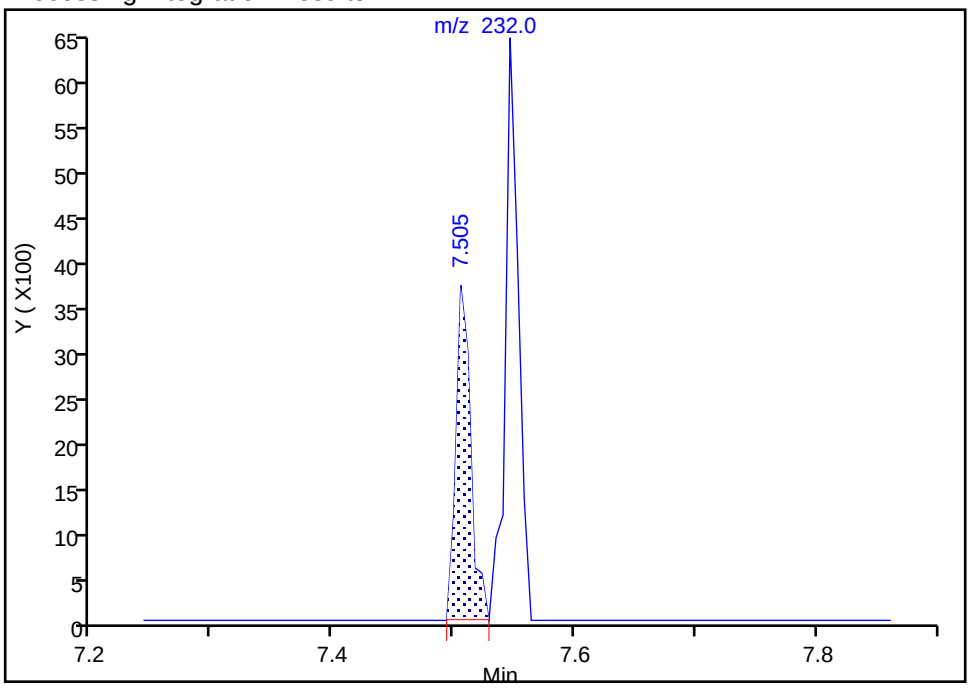
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D
Injection Date: 08-May-2025 02:18:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: IR93211 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

105 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

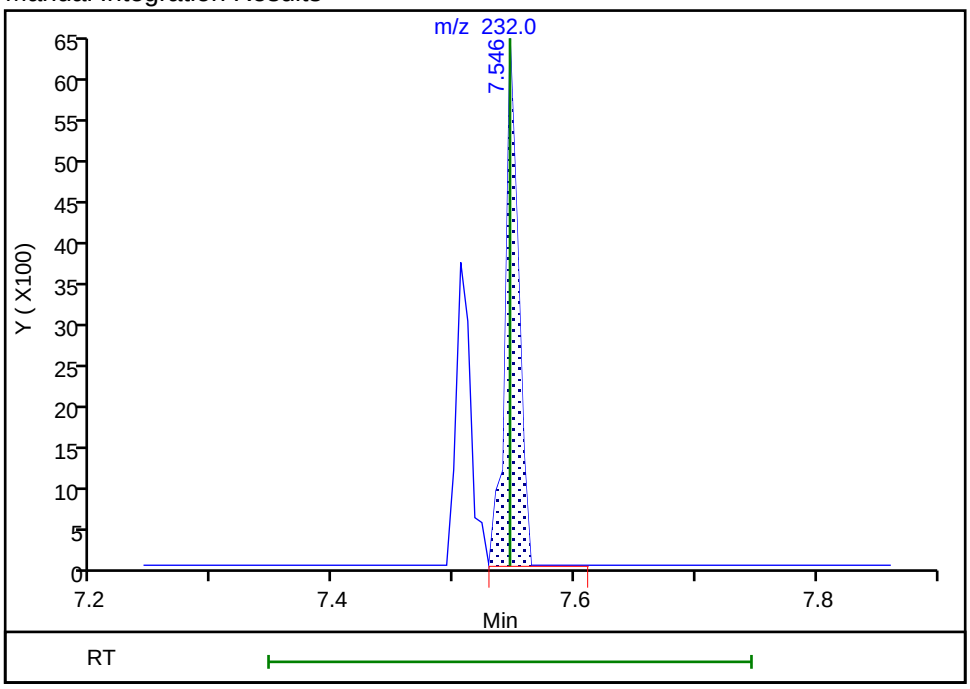
Processing Integration Results

RT: 7.51
Area: 3154
Amount: 0.109387
Amount Units: ug/ml



Manual Integration Results

RT: 7.55
Area: 4938
Amount: 0.161281
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:27 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

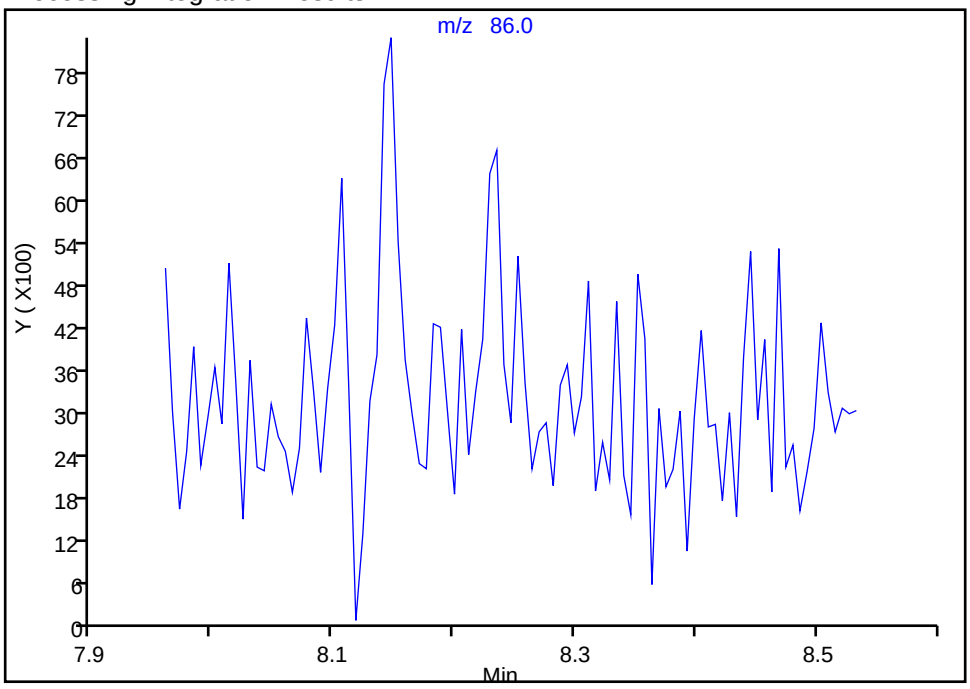
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 trans-Diallate, CAS: 17708-58-6

Signal: 1

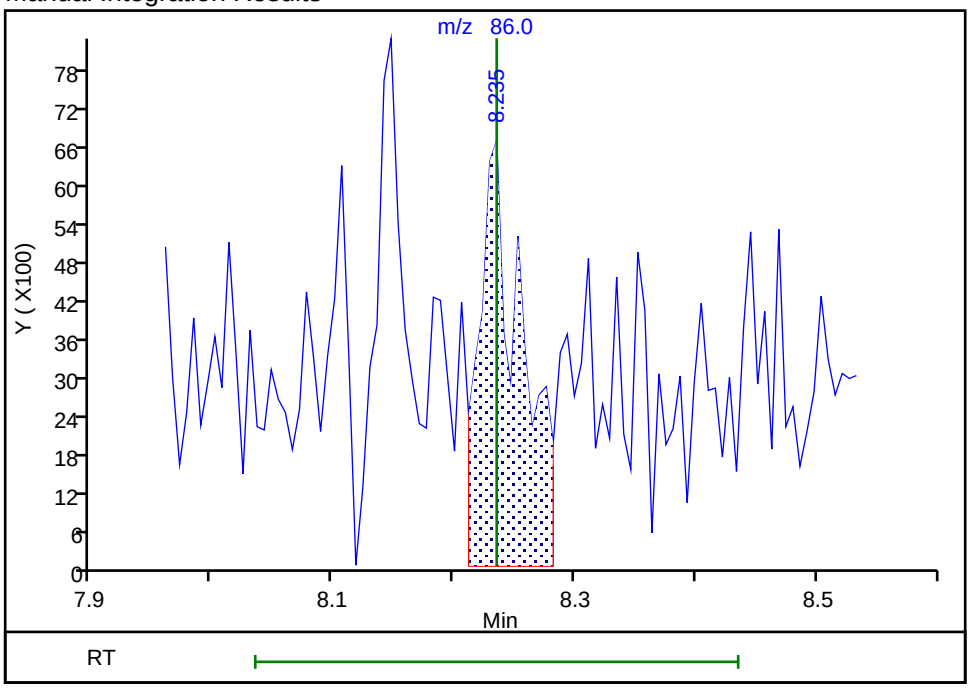
Not Detected
Expected RT: 8.24

Processing Integration Results



Manual Integration Results

RT: 8.24
Area: 15641
Amount: 0.235985
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:20:52 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

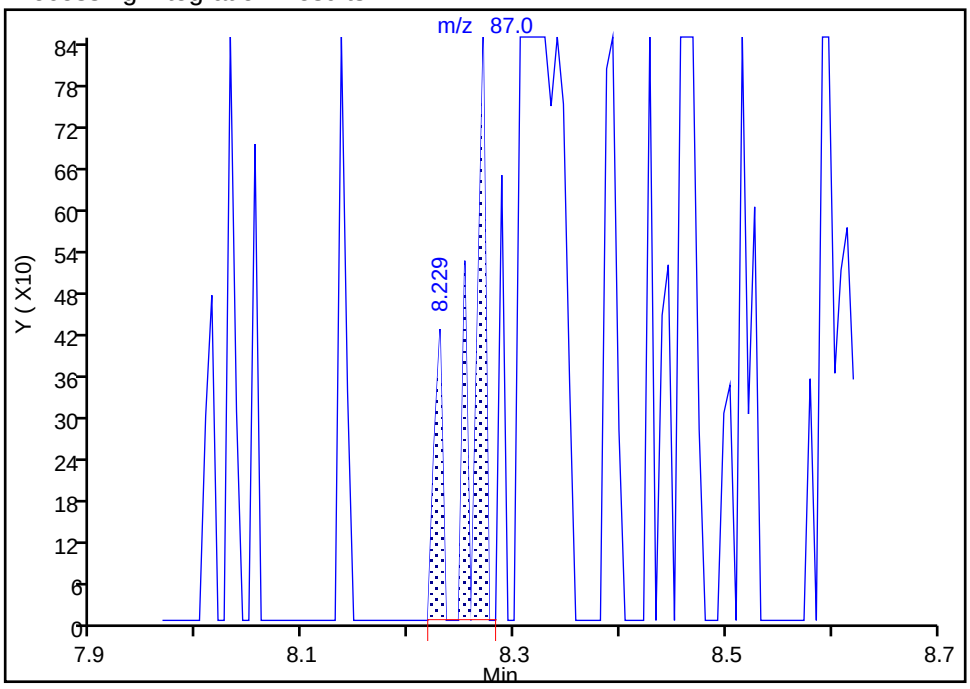
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

125 Dimethoate, CAS: 60-51-5

Signal: 1

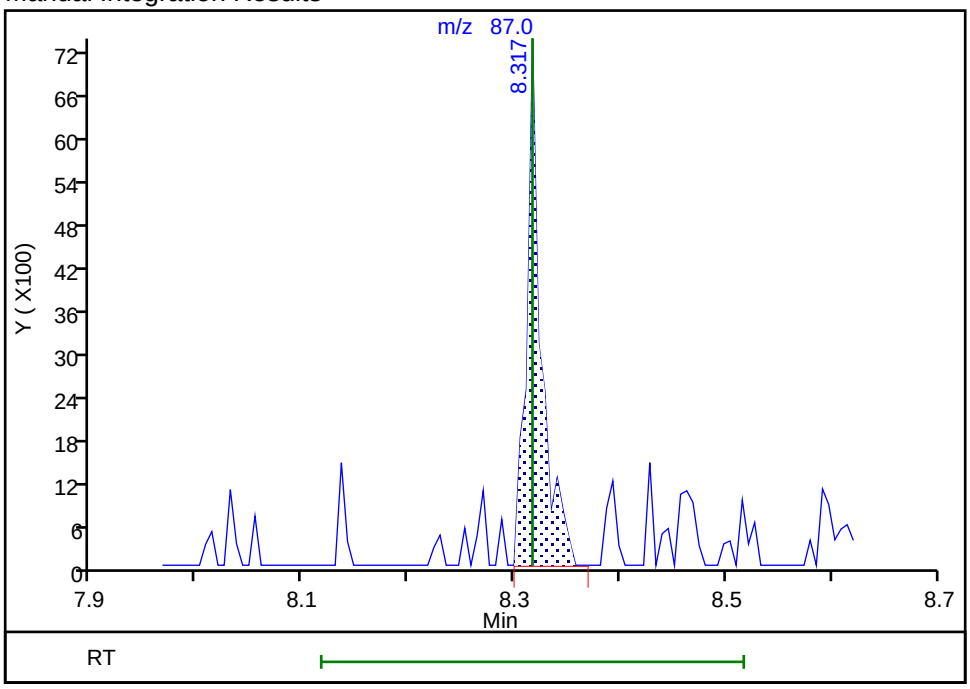
Processing Integration Results

RT: 8.23
Area: 930
Amount: 0.016813
Amount Units: ug/ml



Manual Integration Results

RT: 8.32
Area: 7099
Amount: 0.115465
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:42 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

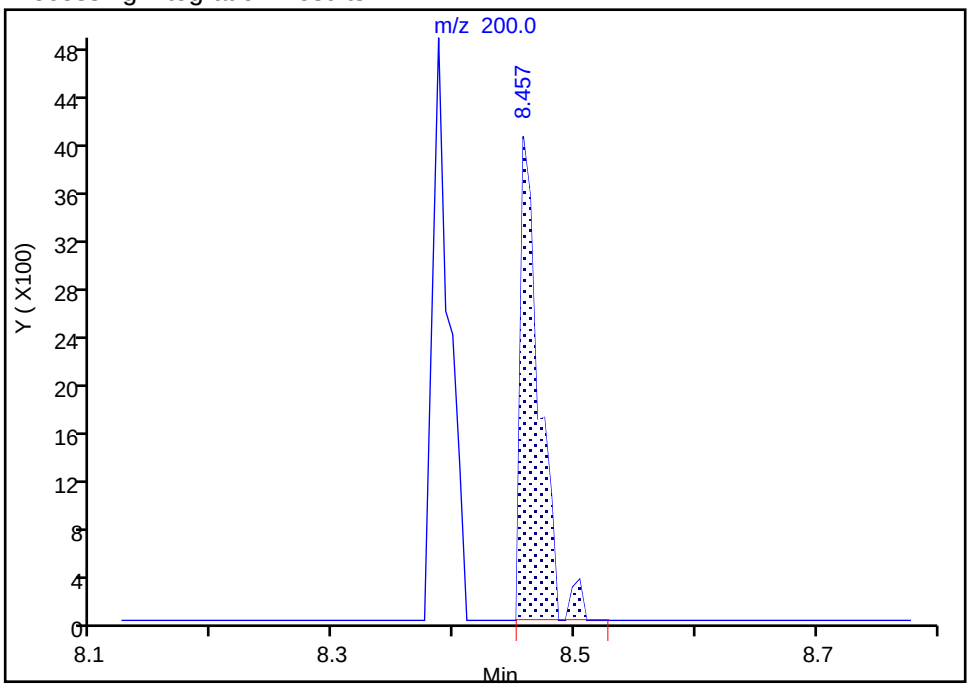
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

126 Atrazine, CAS: 1912-24-9

Signal: 1

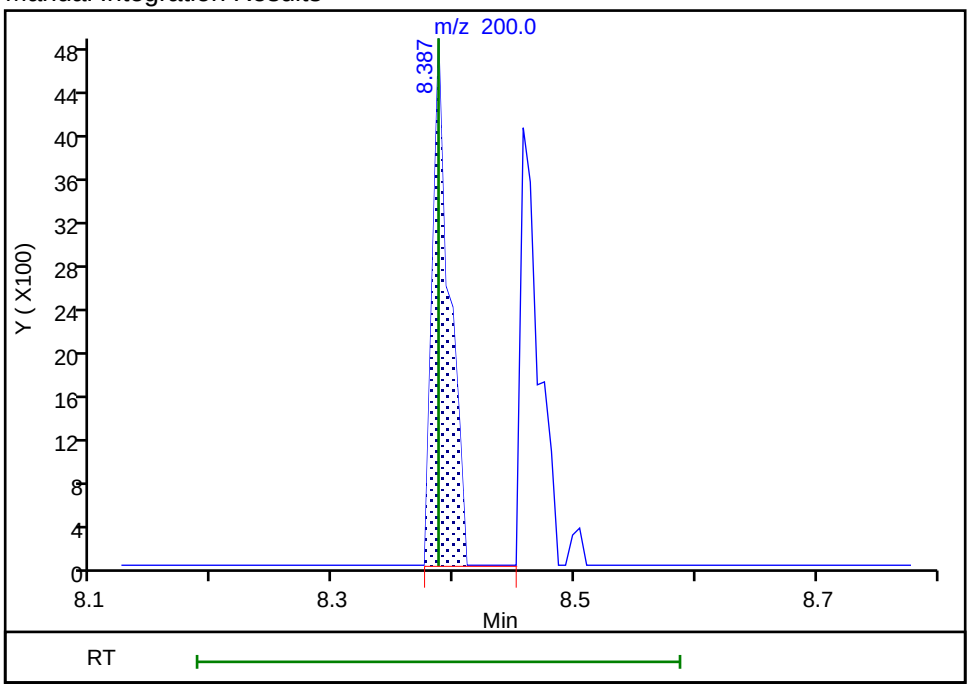
Processing Integration Results

RT: 8.46
Area: 4427
Amount: 0.125760
Amount Units: ug/ml



Manual Integration Results

RT: 8.39
Area: 4763
Amount: 0.134026
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:44 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

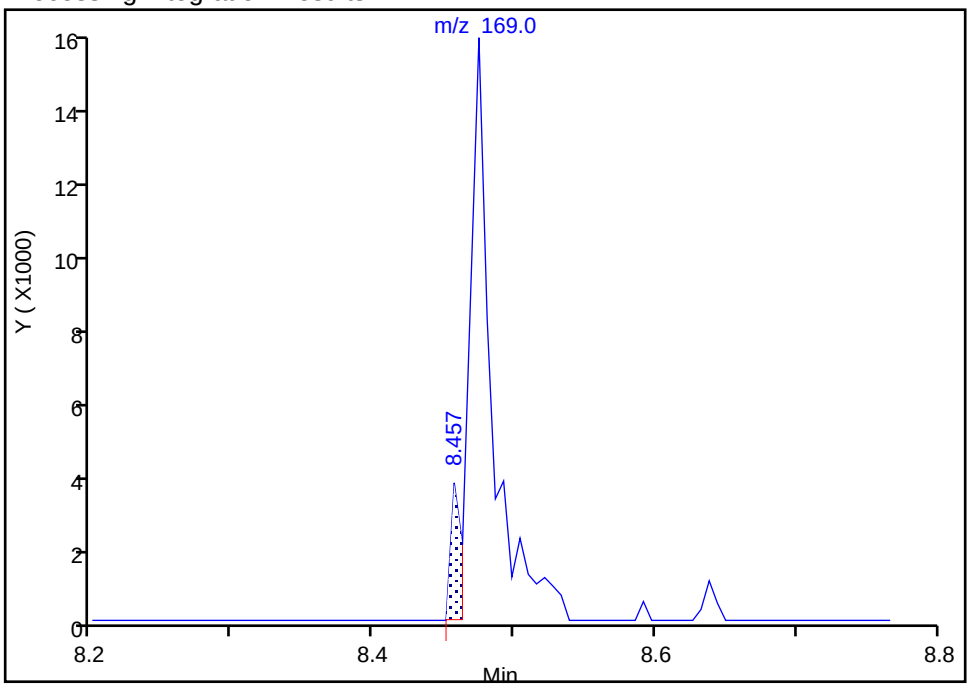
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D
Injection Date: 08-May-2025 02:18:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: IR93211 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

129 4-Aminobiphenyl, CAS: 92-67-1

Signal: 1

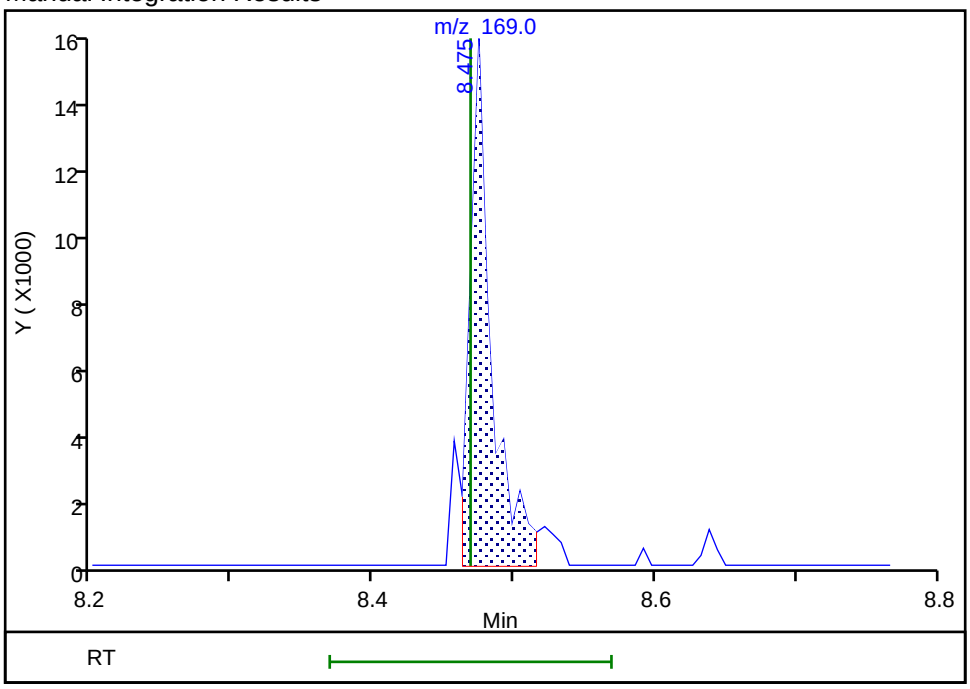
Processing Integration Results

RT: 8.46
Area: 1650
Amount: 0.014463
Amount Units: ug/ml



Manual Integration Results

RT: 8.47
Area: 16003
Amount: 0.124595
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:50 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

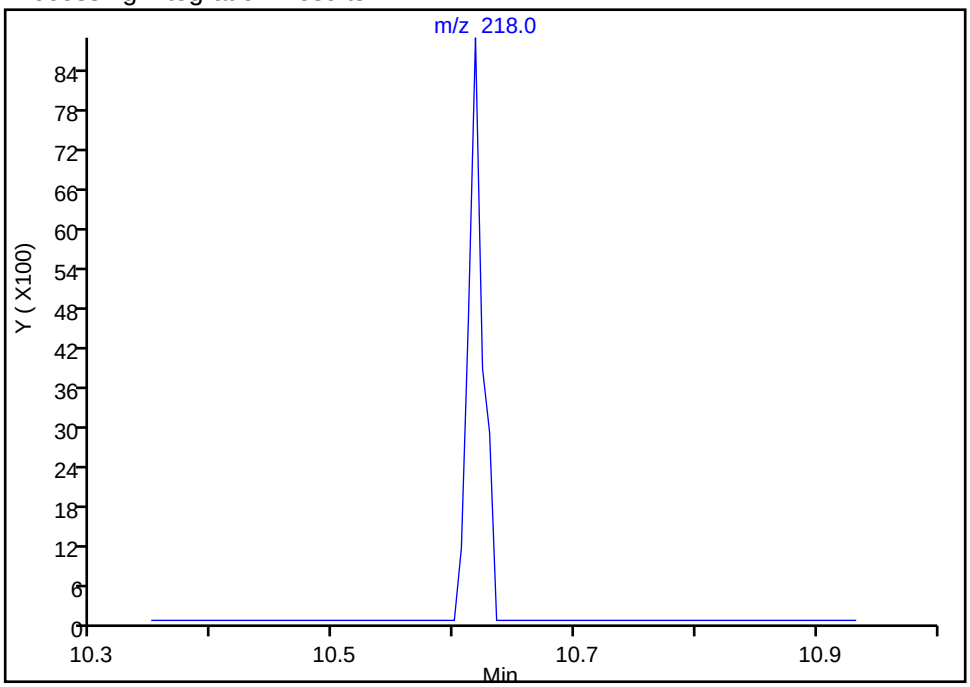
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Signal: 1

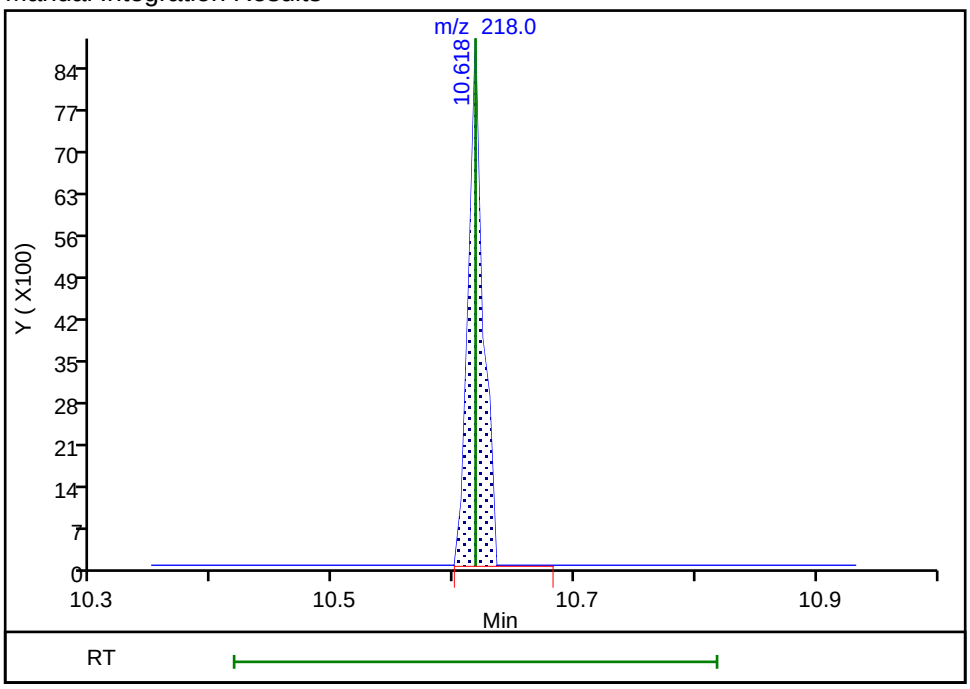
Not Detected
Expected RT: 10.62

Processing Integration Results



Manual Integration Results

RT: 10.62
Area: 7428
Amount: 0.113315
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:59 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

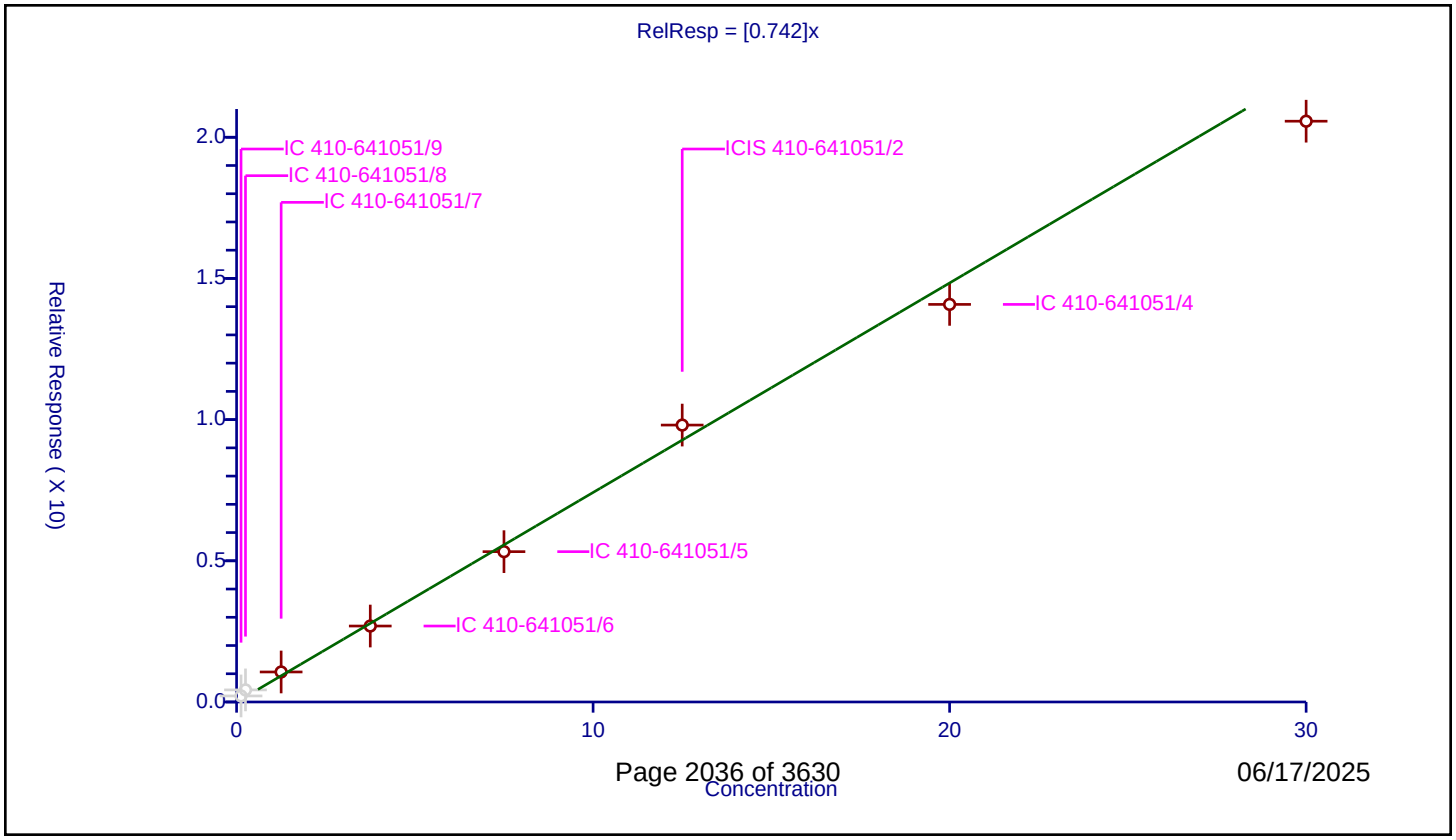
Curve Coefficients

Intercept:	0
Slope:	0.742

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.213802	5.0	168754.0	1.710419	N
2	IC 410-641051/8	0.25	0.428056	5.0	180841.0	1.712222	N
3	IC 410-641051/7	1.25	1.062862	5.0	180842.0	0.850289	Y
4	IC 410-641051/6	3.75	2.690241	5.0	195081.0	0.717398	Y
5	IC 410-641051/5	7.5	5.323909	5.0	183956.0	0.709855	Y
6	ICIS 410-641051/2	12.5	9.806829	5.0	206113.0	0.784546	Y
7	IC 410-641051/4	20.0	14.080538	5.0	196082.0	0.704027	Y
8	IC 410-641051/3	30.0	20.568298	5.0	180187.0	0.68561	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

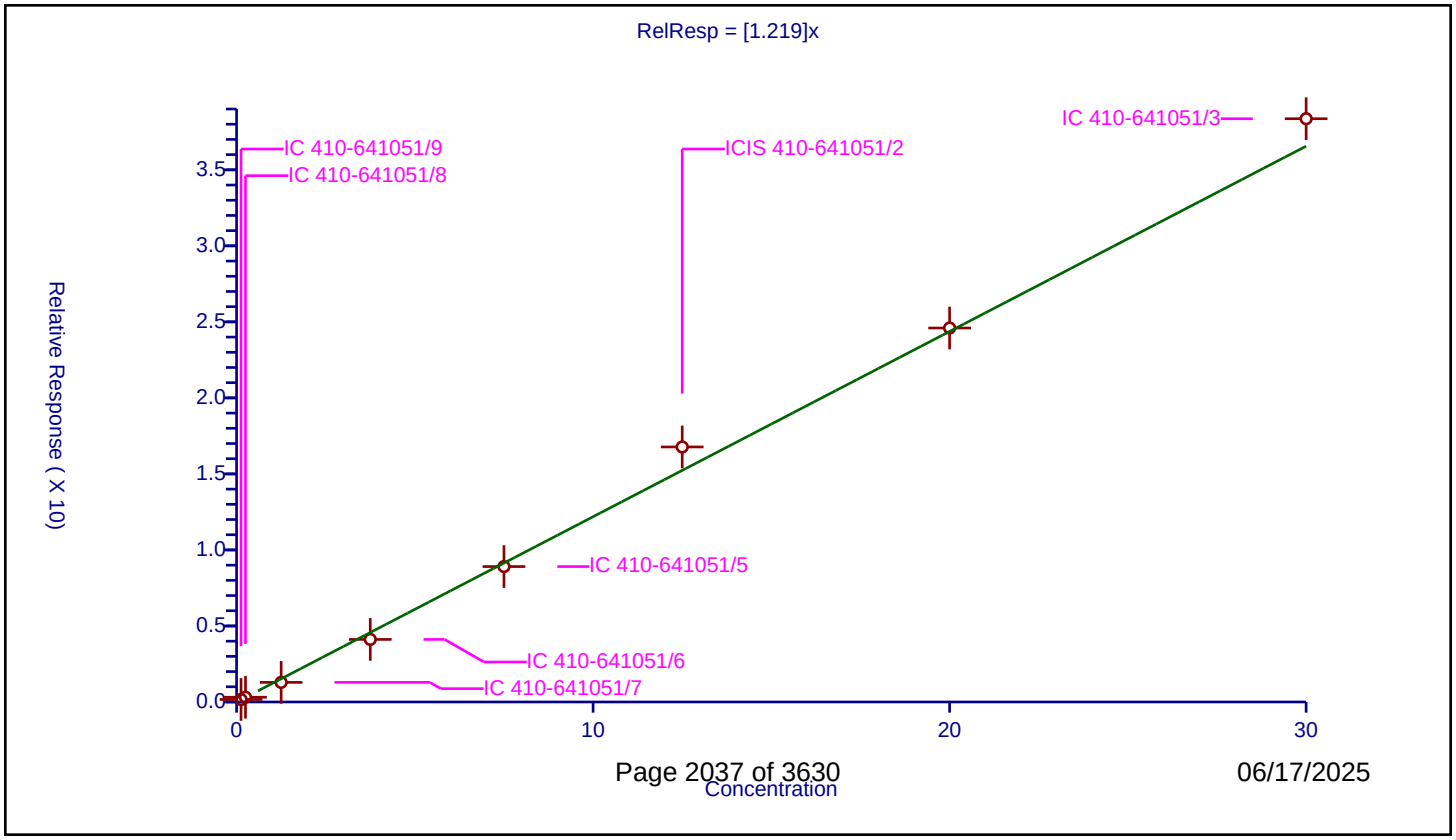
Curve Coefficients

Intercept:	0
Slope:	1.219

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.166278	5.0	168754.0	1.33022	Y
2	IC 410-641051/8	0.25	0.312623	5.0	180841.0	1.250491	Y
3	IC 410-641051/7	1.25	1.290463	5.0	180842.0	1.032371	Y
4	IC 410-641051/6	3.75	4.114675	5.0	195081.0	1.097247	Y
5	IC 410-641051/5	7.5	8.906505	5.0	183956.0	1.187534	Y
6	ICIS 410-641051/2	12.5	16.772959	5.0	206113.0	1.341837	Y
7	IC 410-641051/4	20.0	24.595526	5.0	196082.0	1.229776	Y
8	IC 410-641051/3	30.0	38.362423	5.0	180187.0	1.278747	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

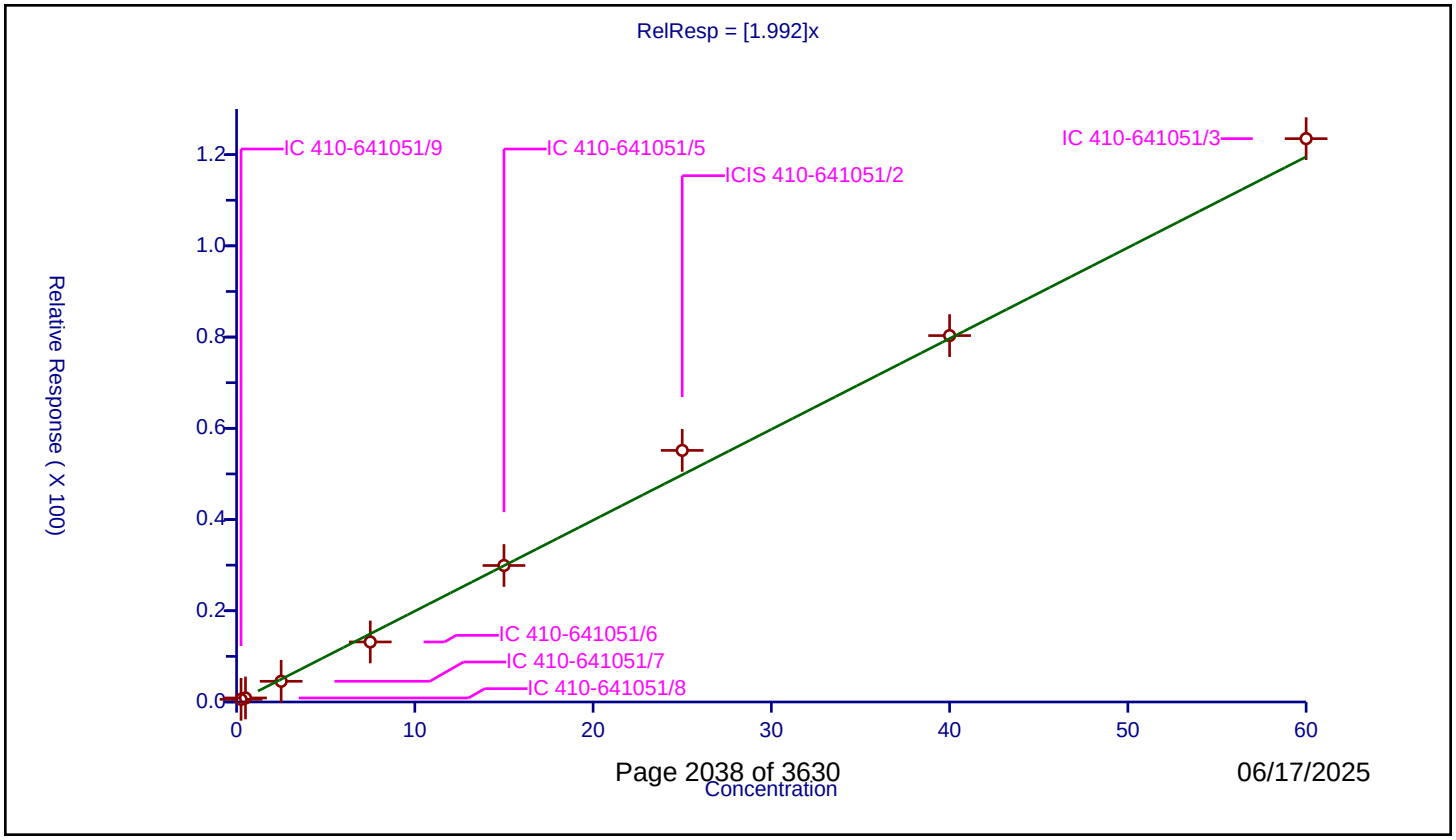
Curve Coefficients

Intercept:	0
Slope:	1.992

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.58206	5.0	168754.0	2.328241	Y
2	IC 410-641051/8	0.5	0.885059	5.0	180841.0	1.770119	Y
3	IC 410-641051/7	2.5	4.540262	5.0	180842.0	1.816105	Y
4	IC 410-641051/6	7.5	13.1612	5.0	195081.0	1.754827	Y
5	IC 410-641051/5	15.0	29.92115	5.0	183956.0	1.994743	Y
6	ICIS 410-641051/2	25.0	55.154042	5.0	206113.0	2.206162	Y
7	IC 410-641051/4	40.0	80.325425	5.0	196082.0	2.008136	Y
8	IC 410-641051/3	60.0	123.505331	5.0	180187.0	2.058422	Y



06/17/2025

Calibration / Dimethylformamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

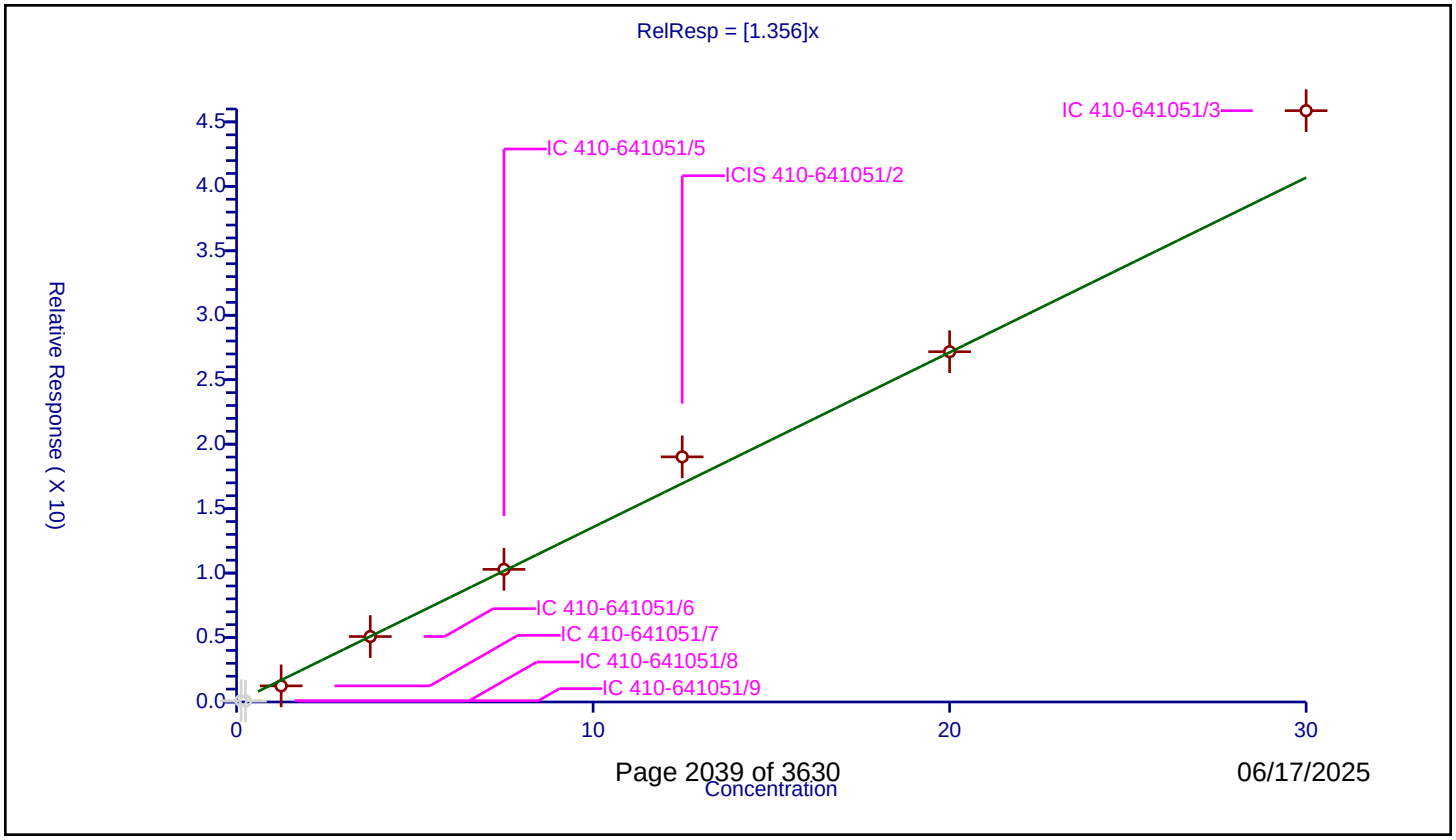
Curve Coefficients

Intercept:	0
Slope:	1.356

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.100768	5.0	168754.0	0.806144	N
2	IC 410-641051/8	0.25	0.067573	5.0	180841.0	0.270293	N
3	IC 410-641051/7	1.25	1.251341	5.0	180842.0	1.001073	Y
4	IC 410-641051/6	3.75	5.077916	5.0	195081.0	1.354111	Y
5	IC 410-641051/5	7.5	10.287759	5.0	183956.0	1.371701	Y
6	ICIS 410-641051/2	12.5	19.016898	5.0	206113.0	1.521352	Y
7	IC 410-641051/4	20.0	27.174039	5.0	196082.0	1.358702	Y
8	IC 410-641051/3	30.0	45.870762	5.0	180187.0	1.529025	Y



Calibration / 2-Picoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

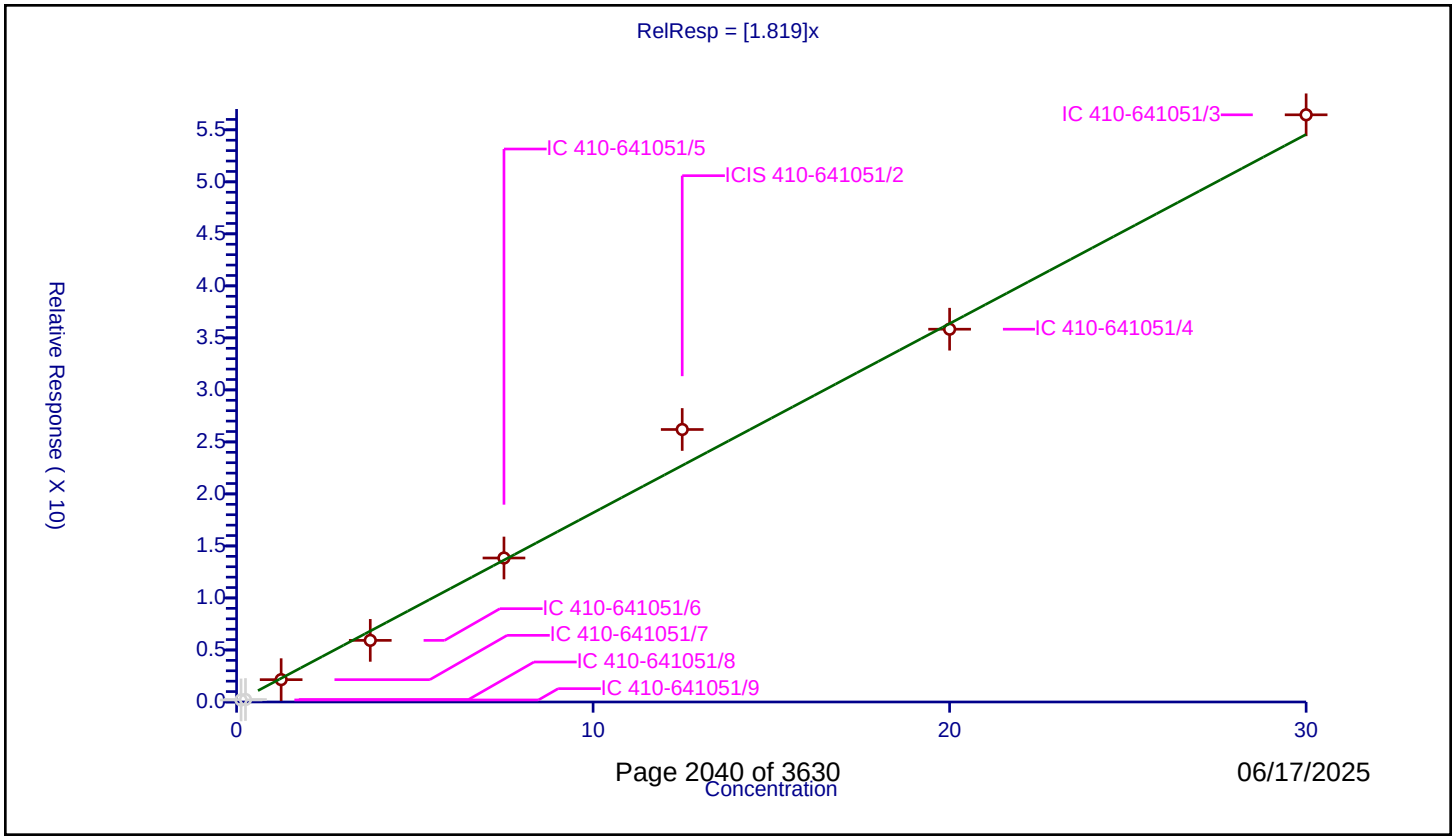
Curve Coefficients

Intercept:	0
Slope:	1.819

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.195403	5.0	168754.0	1.563222	N
2	IC 410-641051/8	0.25	0.236285	5.0	180841.0	0.94514	N
3	IC 410-641051/7	1.25	2.148008	5.0	180842.0	1.718406	Y
4	IC 410-641051/6	3.75	5.922027	5.0	195081.0	1.579207	Y
5	IC 410-641051/5	7.5	13.841924	5.0	183956.0	1.84559	Y
6	ICIS 410-641051/2	12.5	26.194782	5.0	206113.0	2.095583	Y
7	IC 410-641051/4	20.0	35.834804	5.0	196082.0	1.79174	Y
8	IC 410-641051/3	30.0	56.442474	5.0	180187.0	1.881416	Y



Calibration / N-Nitrosomethylethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

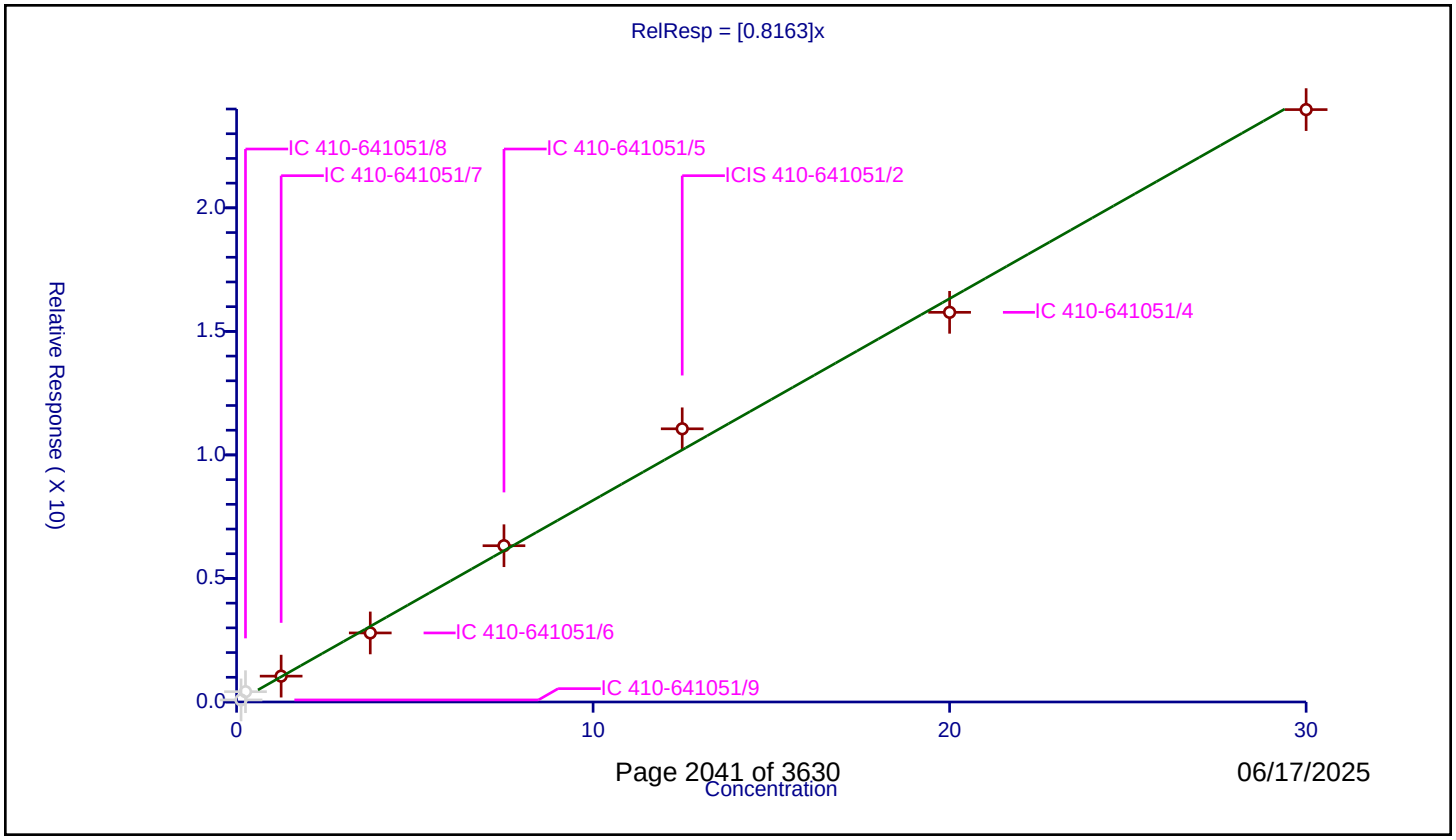
Curve Coefficients

Intercept:	0
Slope:	0.8163

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.083168	5.0	168754.0	0.665347	N
2	IC 410-641051/8	0.25	0.416913	5.0	180841.0	1.667653	N
3	IC 410-641051/7	1.25	1.045885	5.0	180842.0	0.836708	Y
4	IC 410-641051/6	3.75	2.794993	5.0	195081.0	0.745331	Y
5	IC 410-641051/5	7.5	6.325453	5.0	183956.0	0.843394	Y
6	ICIS 410-641051/2	12.5	11.056653	5.0	206113.0	0.884532	Y
7	IC 410-641051/4	20.0	15.771871	5.0	196082.0	0.788594	Y
8	IC 410-641051/3	30.0	23.975759	5.0	180187.0	0.799192	Y



Calibration / Methyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

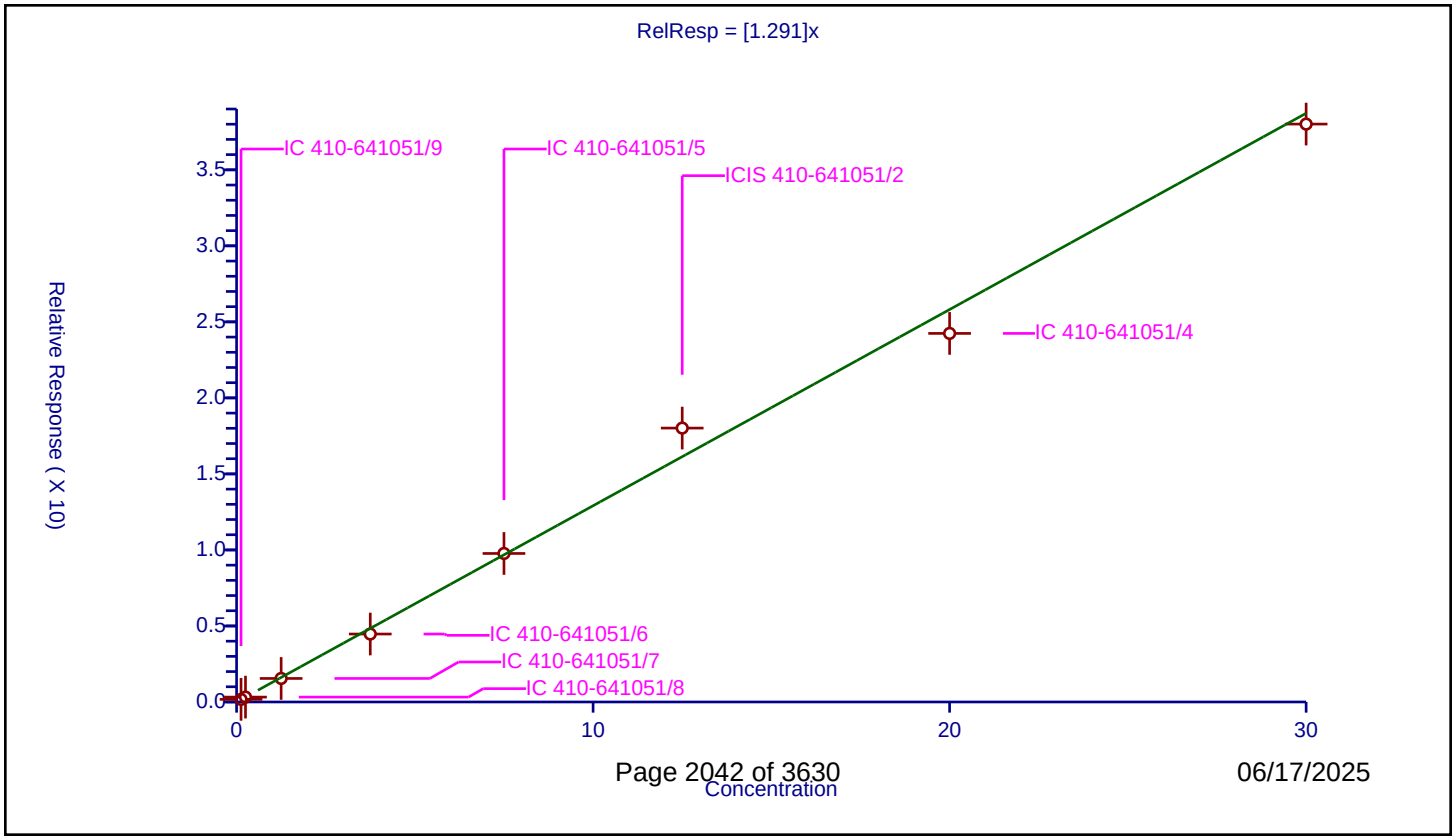
Curve Coefficients

Intercept:	0
Slope:	1.291

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.172855	5.0	168754.0	1.382841	Y
2	IC 410-641051/8	0.25	0.322327	5.0	180841.0	1.289309	Y
3	IC 410-641051/7	1.25	1.548175	5.0	180842.0	1.23854	Y
4	IC 410-641051/6	3.75	4.47022	5.0	195081.0	1.192059	Y
5	IC 410-641051/5	7.5	9.767689	5.0	183956.0	1.302359	Y
6	ICIS 410-641051/2	12.5	18.014827	5.0	206113.0	1.441186	Y
7	IC 410-641051/4	20.0	24.2407	5.0	196082.0	1.212035	Y
8	IC 410-641051/3	30.0	38.008319	5.0	180187.0	1.266944	Y



Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

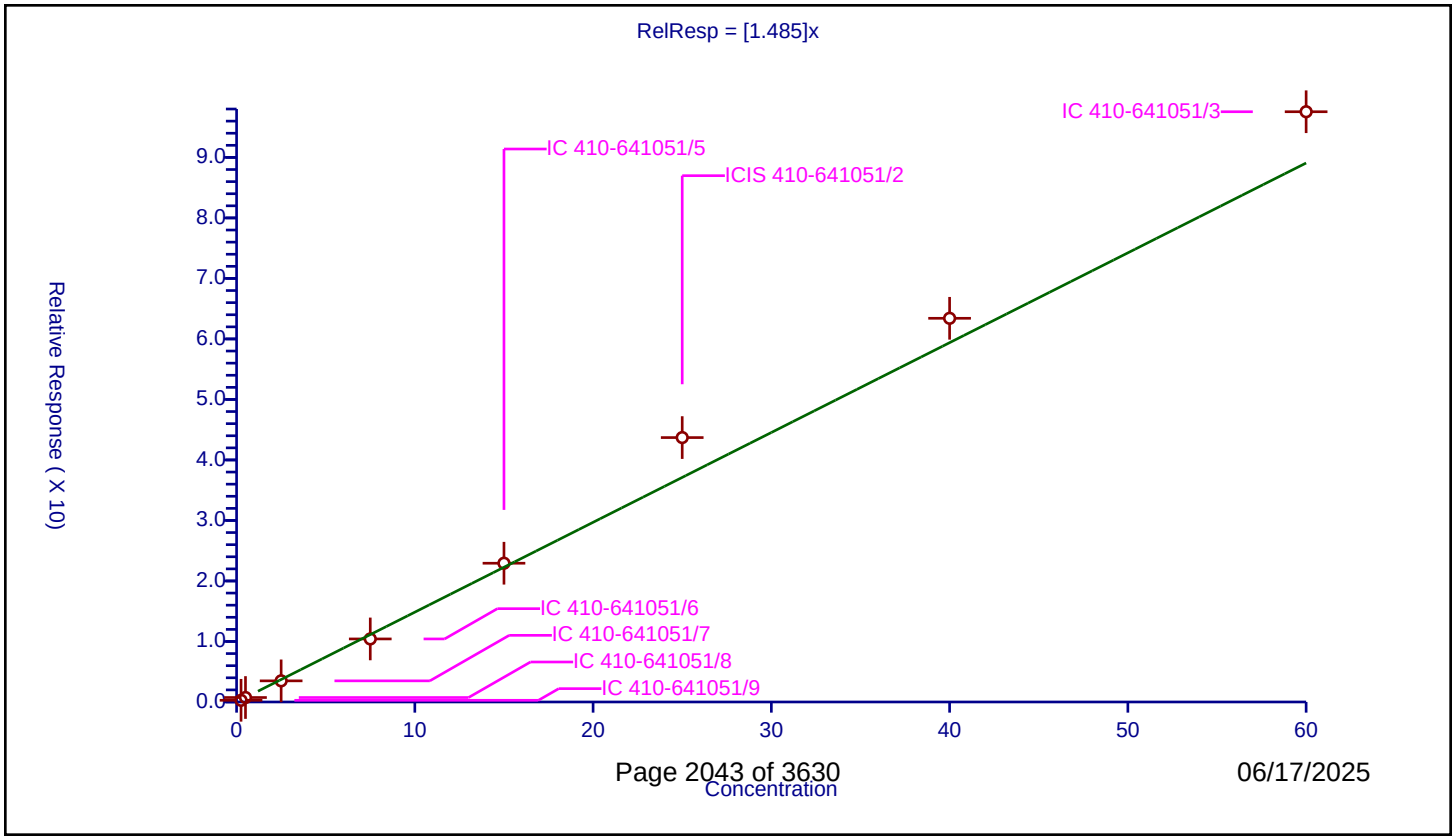
Curve Coefficients

Intercept:	0
Slope:	1.485

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.281119	5.0	168754.0	1.124477	Y
2	IC 410-641051/8	0.5	0.738411	5.0	180841.0	1.476822	Y
3	IC 410-641051/7	2.5	3.49457	5.0	180842.0	1.397828	Y
4	IC 410-641051/6	7.5	10.42226	5.0	195081.0	1.389635	Y
5	IC 410-641051/5	15.0	22.934343	5.0	183956.0	1.528956	Y
6	ICIS 410-641051/2	25.0	43.700373	5.0	206113.0	1.748015	Y
7	IC 410-641051/4	40.0	63.413929	5.0	196082.0	1.585348	Y
8	IC 410-641051/3	60.0	97.551266	5.0	180187.0	1.625854	Y



06/17/2025

Calibration / N-Nitrosodiethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

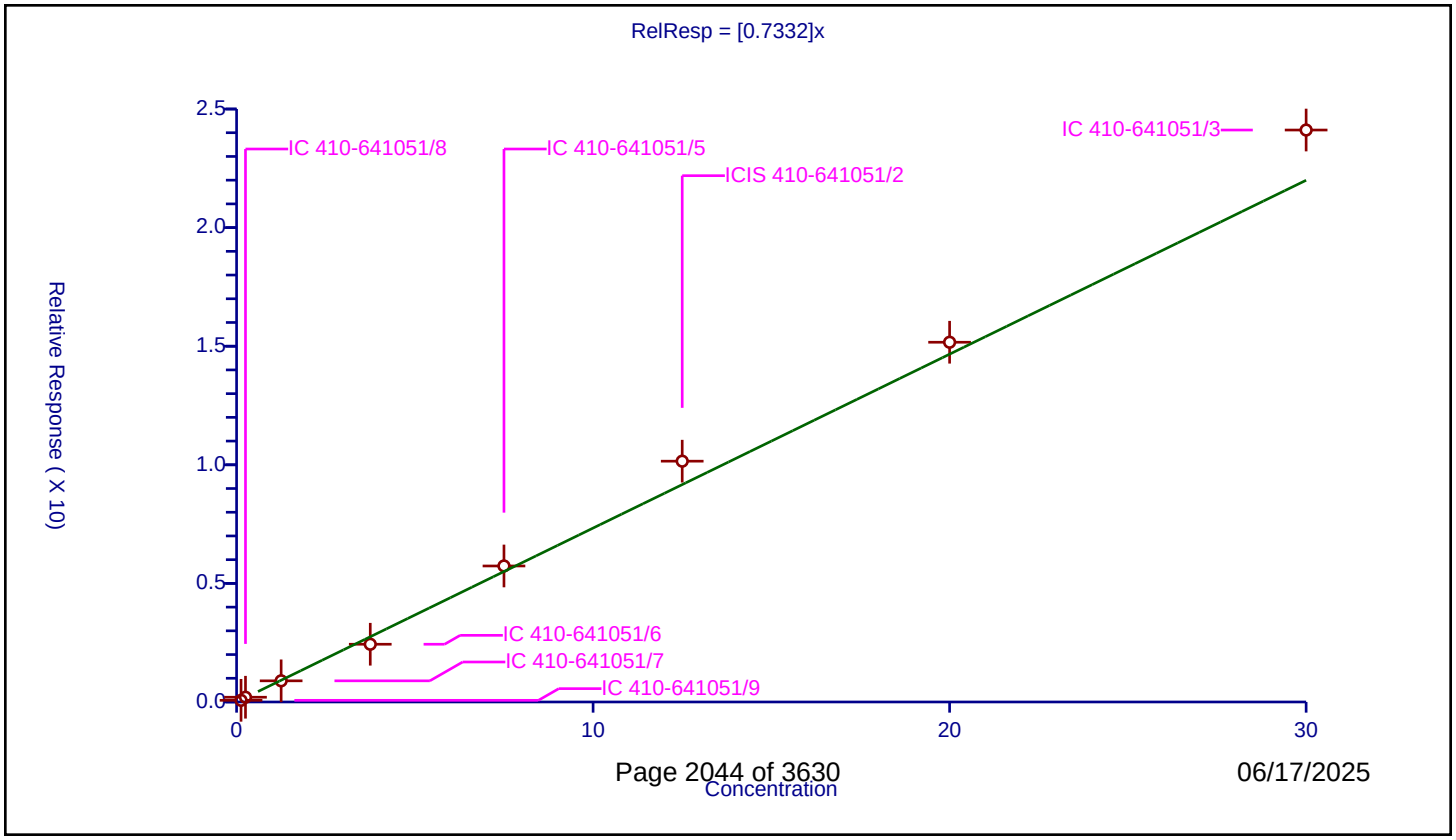
Curve Coefficients

Intercept:	0
Slope:	0.7332

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.07028	5.0	168754.0	0.562239	Y
2	IC 410-641051/8	0.25	0.200286	5.0	180841.0	0.801146	Y
3	IC 410-641051/7	1.25	0.892492	5.0	180842.0	0.713993	Y
4	IC 410-641051/6	3.75	2.434937	5.0	195081.0	0.649317	Y
5	IC 410-641051/5	7.5	5.734632	5.0	183956.0	0.764618	Y
6	ICIS 410-641051/2	12.5	10.152877	5.0	206113.0	0.81223	Y
7	IC 410-641051/4	20.0	15.1672	5.0	196082.0	0.75836	Y
8	IC 410-641051/3	30.0	24.114392	5.0	180187.0	0.803813	Y



Calibration / Ethyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

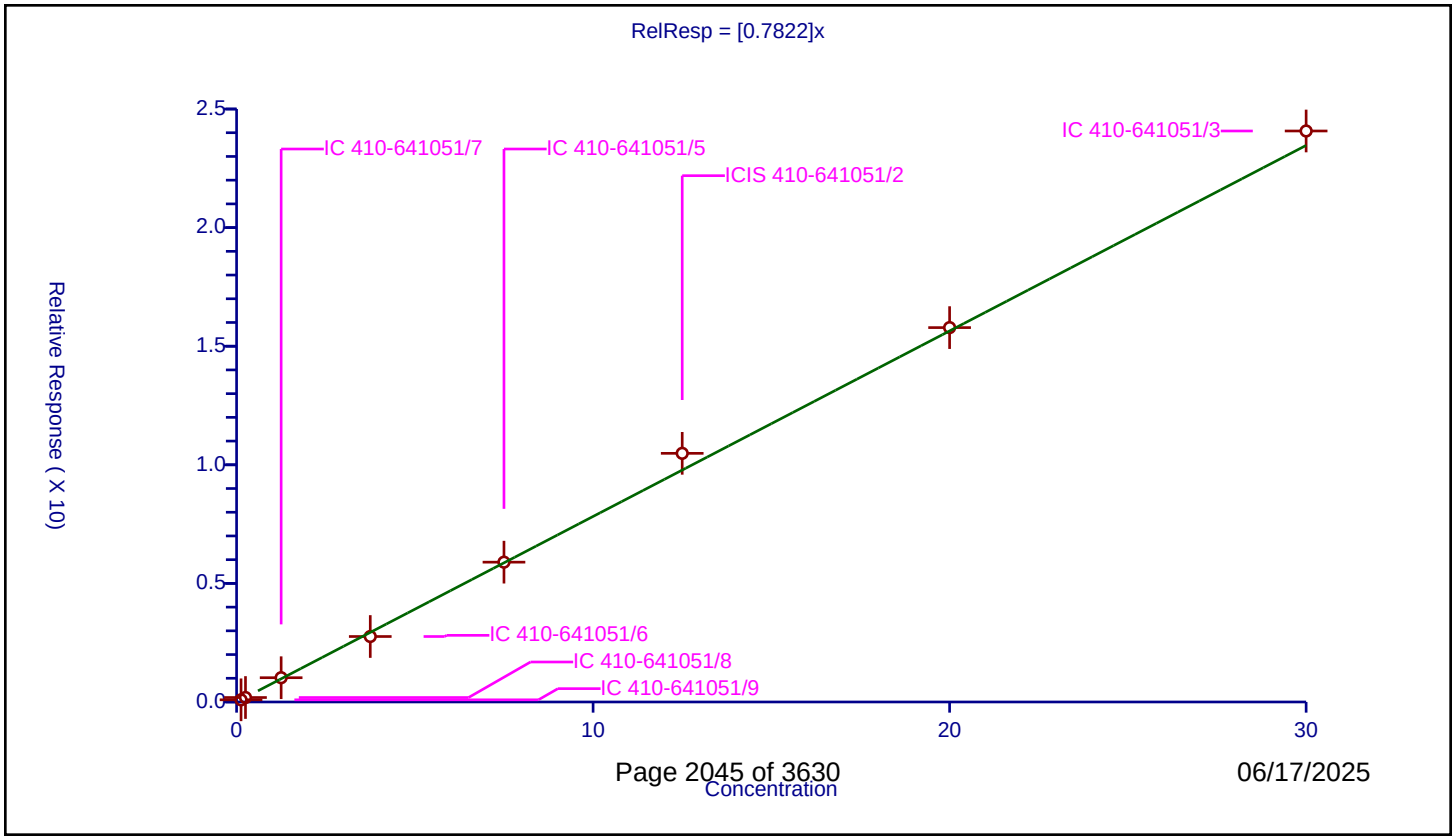
Curve Coefficients

Intercept:	0
Slope:	0.7822

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.091731	5.0	168754.0	0.733849	Y
2	IC 410-641051/8	0.25	0.188066	5.0	180841.0	0.752263	Y
3	IC 410-641051/7	1.25	1.023767	5.0	180842.0	0.819013	Y
4	IC 410-641051/6	3.75	2.760443	5.0	195081.0	0.736118	Y
5	IC 410-641051/5	7.5	5.894779	5.0	183956.0	0.785971	Y
6	ICIS 410-641051/2	12.5	10.483812	5.0	206113.0	0.838705	Y
7	IC 410-641051/4	20.0	15.784468	5.0	196082.0	0.789223	Y
8	IC 410-641051/3	30.0	24.073601	5.0	180187.0	0.802453	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

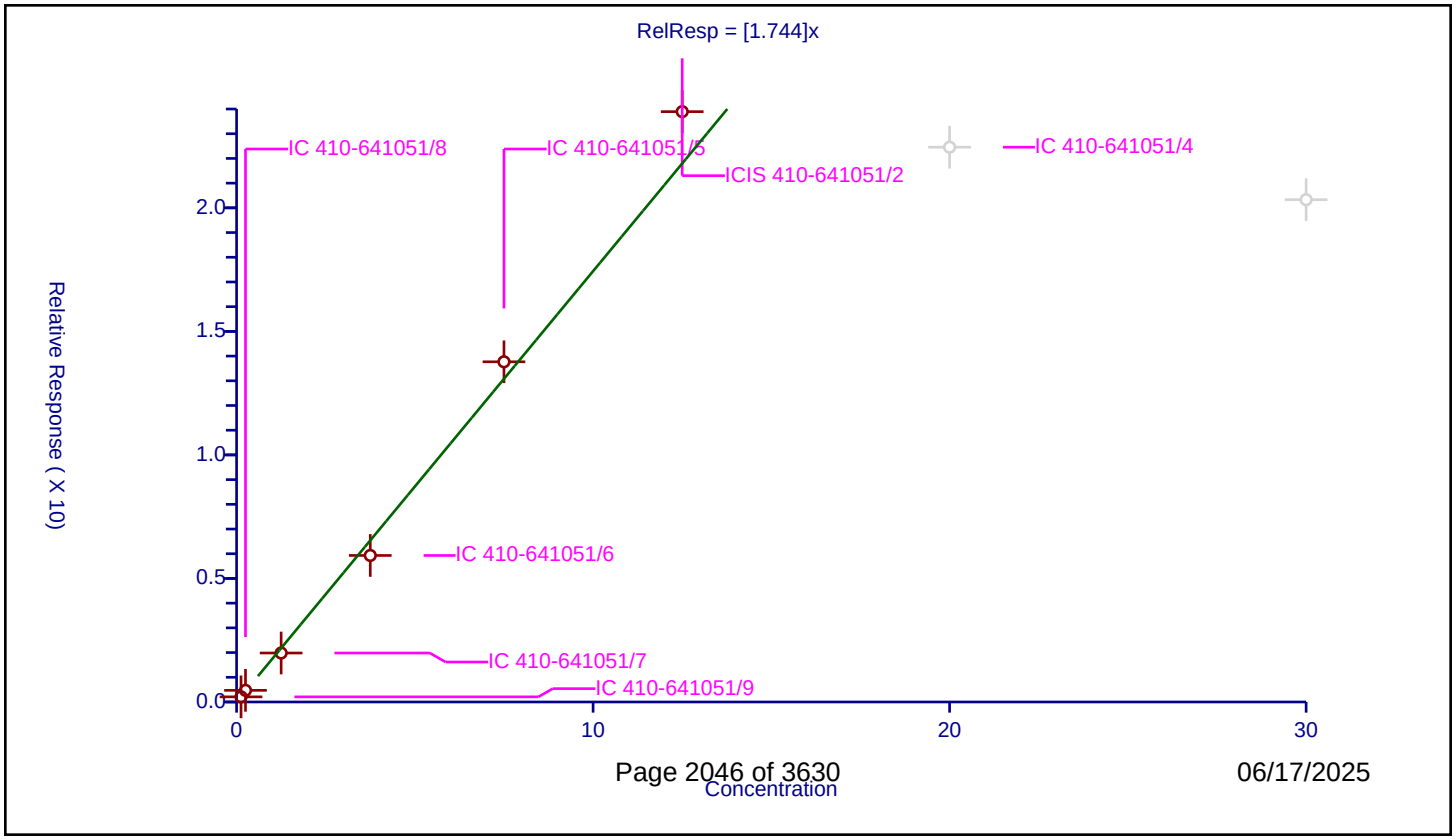
Curve Coefficients

Intercept:	0
Slope:	1.744

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.207758	5.0	168754.0	1.662064	Y
2	IC 410-641051/8	0.25	0.471326	5.0	180841.0	1.885303	Y
3	IC 410-641051/7	1.25	1.982587	5.0	180842.0	1.58607	Y
4	IC 410-641051/6	3.75	5.929896	5.0	195081.0	1.581306	Y
5	IC 410-641051/5	7.5	13.769733	5.0	183956.0	1.835964	Y
6	ICIS 410-641051/2	12.5	23.892646	5.0	206113.0	1.911412	Y
7	IC 410-641051/4	20.0	22.454203	5.0	196082.0	1.12271	N
8	IC 410-641051/3	30.0	20.329963	5.0	180187.0	0.677665	N



Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

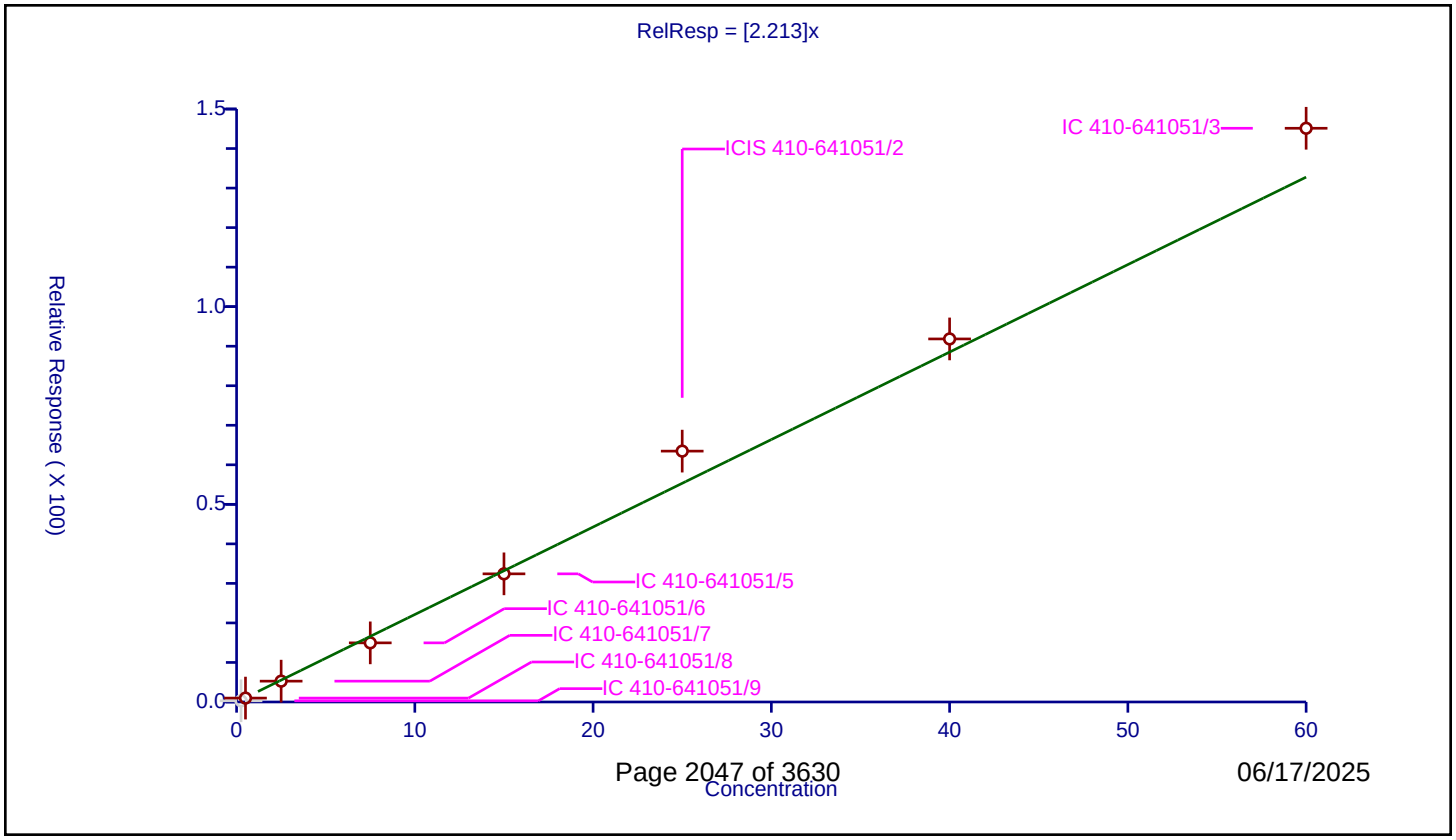
Curve Coefficients

Intercept:	0
Slope:	2.213

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.3026	5.0	168754.0	1.210401	N
2	IC 410-641051/8	0.5	0.986004	5.0	180841.0	1.972009	Y
3	IC 410-641051/7	2.5	5.27231	5.0	180842.0	2.108924	Y
4	IC 410-641051/6	7.5	14.960324	5.0	195081.0	1.99471	Y
5	IC 410-641051/5	15.0	32.41411	5.0	183956.0	2.160941	Y
6	ICIS 410-641051/2	25.0	63.462227	5.0	206113.0	2.538489	Y
7	IC 410-641051/4	40.0	91.84099	5.0	196082.0	2.296025	Y
8	IC 410-641051/3	60.0	145.131669	5.0	180187.0	2.418861	Y



Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

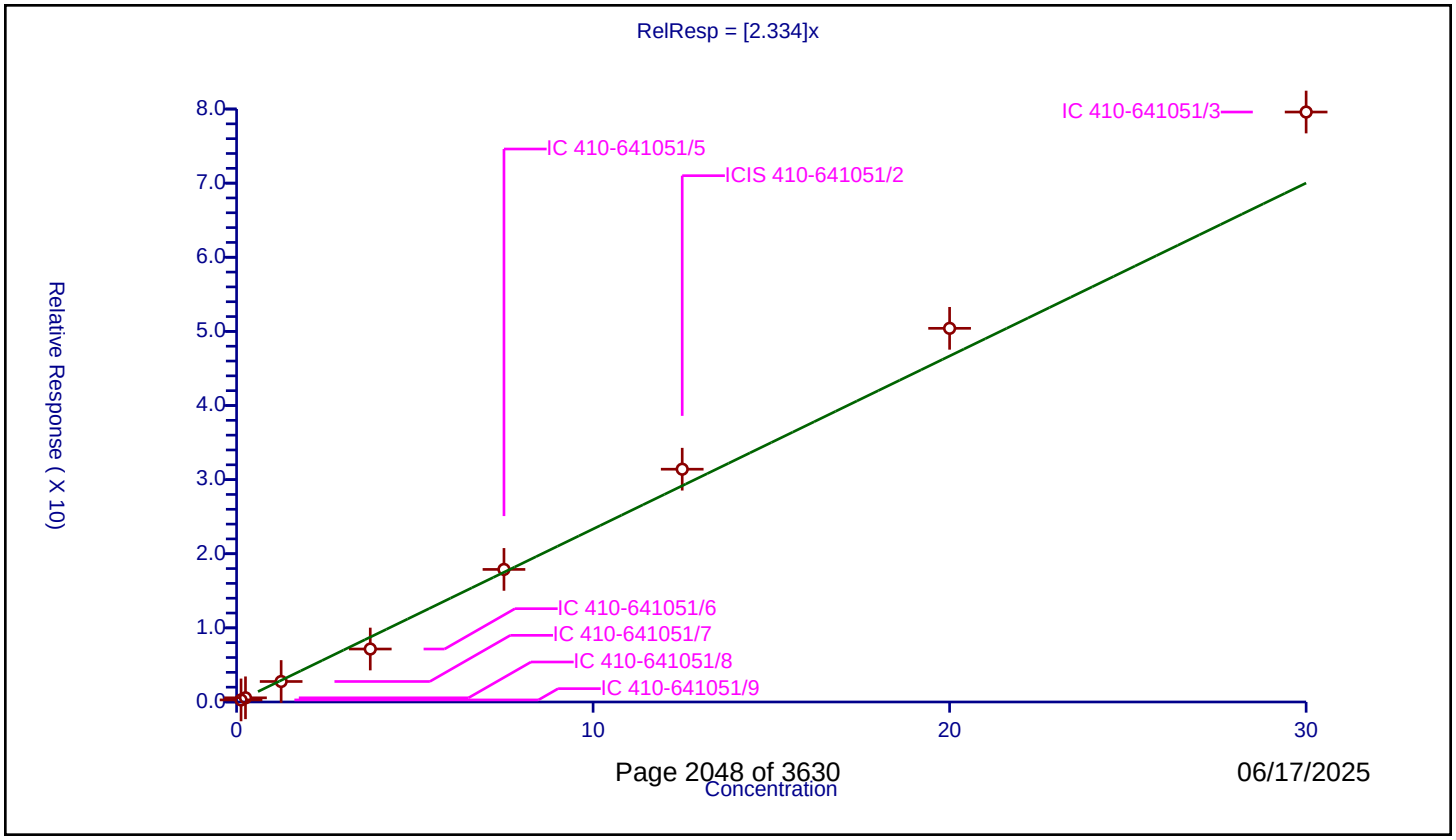
Curve Coefficients

Intercept:	0
Slope:	2.334

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.278512	5.0	168754.0	2.228095	Y
2	IC 410-641051/8	0.25	0.563395	5.0	180841.0	2.253582	Y
3	IC 410-641051/7	1.25	2.7649	5.0	180842.0	2.21192	Y
4	IC 410-641051/6	3.75	7.14575	5.0	195081.0	1.905533	Y
5	IC 410-641051/5	7.5	17.886587	5.0	183956.0	2.384878	Y
6	ICIS 410-641051/2	12.5	31.407674	5.0	206113.0	2.512614	Y
7	IC 410-641051/4	20.0	50.411843	5.0	196082.0	2.520592	Y
8	IC 410-641051/3	30.0	79.593478	5.0	180187.0	2.653116	Y



Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

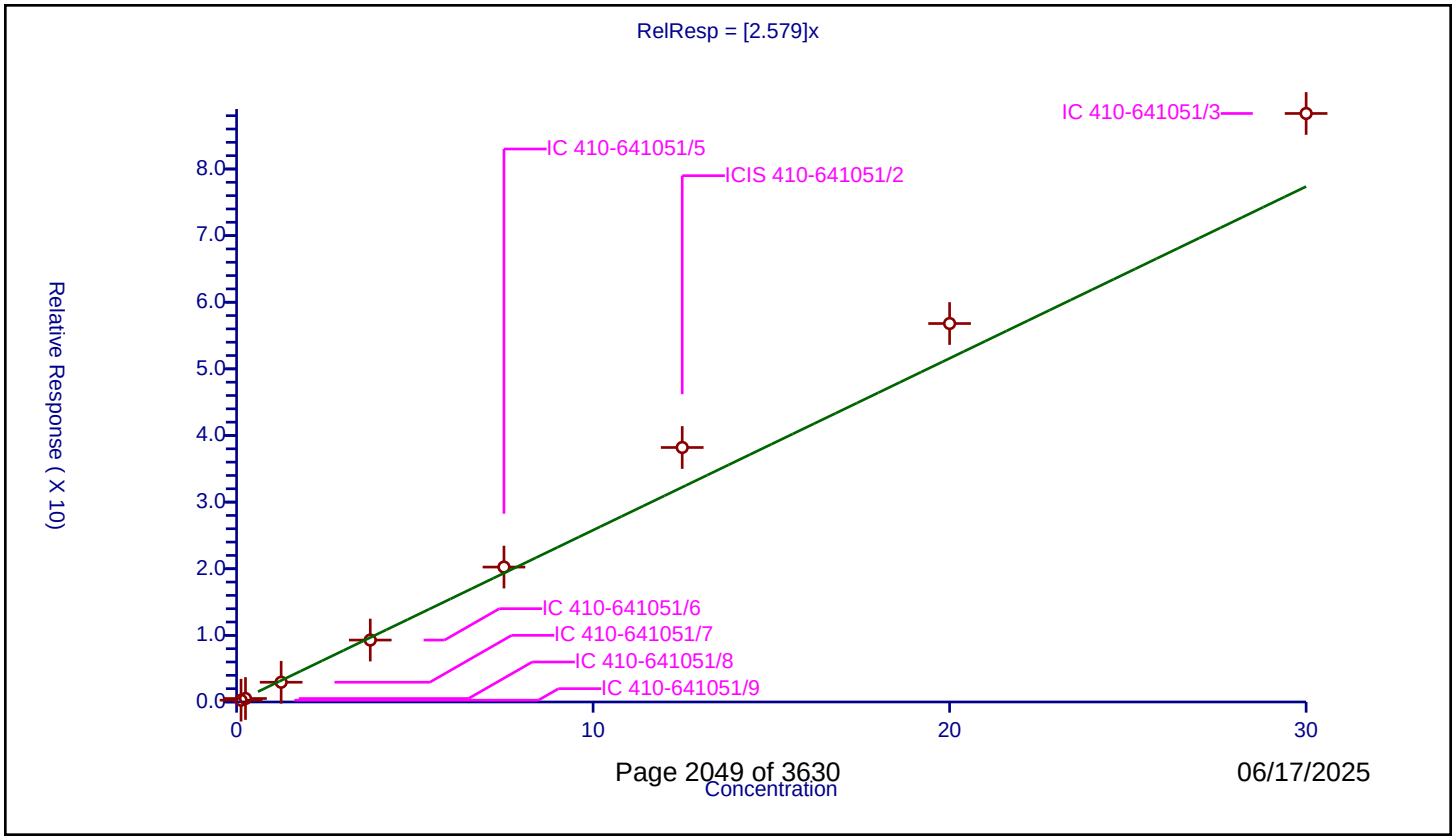
Curve Coefficients

Intercept:	0
Slope:	2.579

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.268764	5.0	168754.0	2.150112	Y
2	IC 410-641051/8	0.25	0.522863	5.0	180841.0	2.091451	Y
3	IC 410-641051/7	1.25	2.962973	5.0	180842.0	2.370379	Y
4	IC 410-641051/6	3.75	9.294549	5.0	195081.0	2.478547	Y
5	IC 410-641051/5	7.5	20.248565	5.0	183956.0	2.699809	Y
6	ICIS 410-641051/2	12.5	38.198658	5.0	206113.0	3.055893	Y
7	IC 410-641051/4	20.0	56.805444	5.0	196082.0	2.840272	Y
8	IC 410-641051/3	30.0	88.331705	5.0	180187.0	2.94439	Y



Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

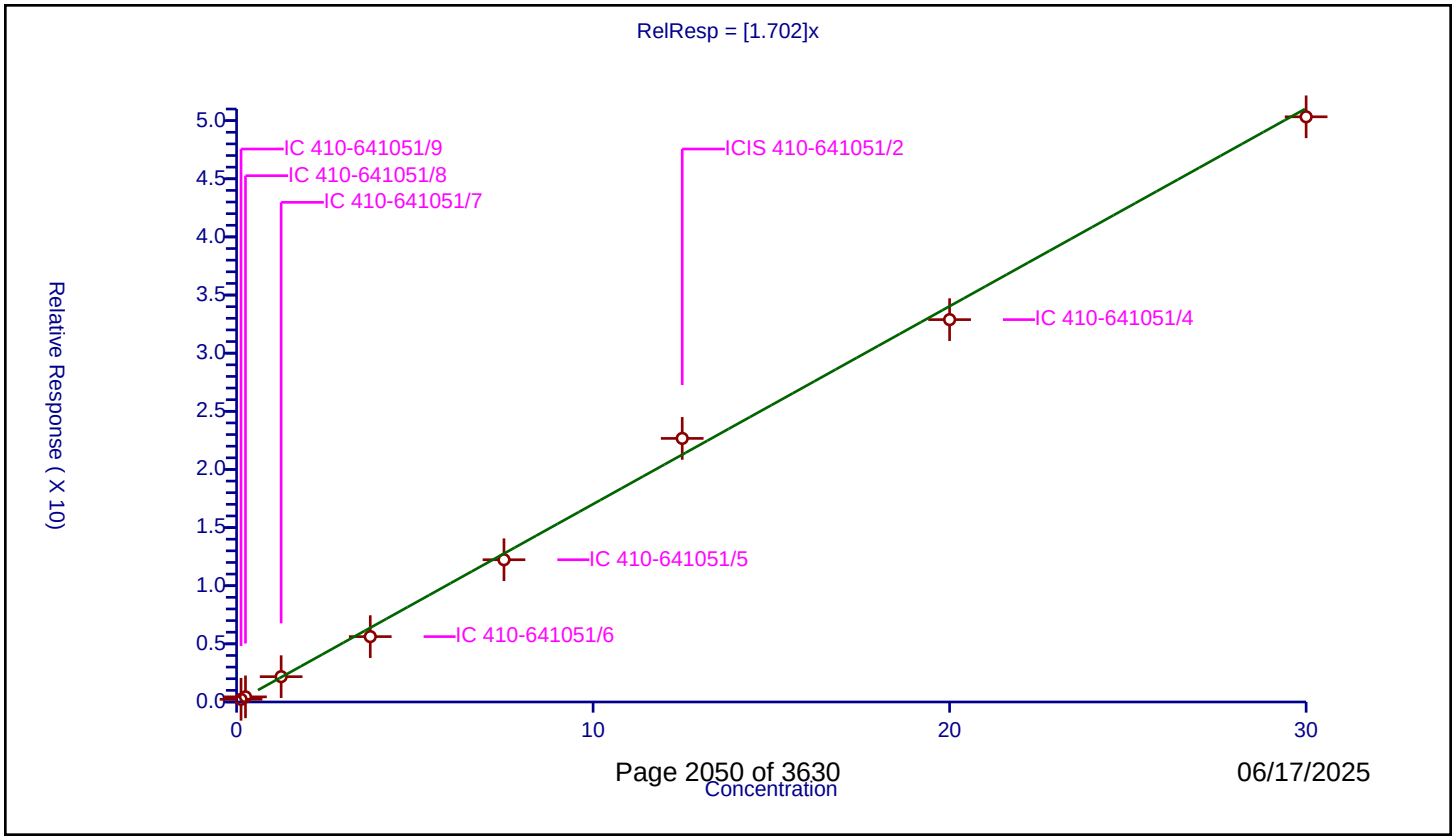
Curve Coefficients

Intercept:	0
Slope:	1.702

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.22995	5.0	168754.0	1.839601	Y
2	IC 410-641051/8	0.25	0.441686	5.0	180841.0	1.766745	Y
3	IC 410-641051/7	1.25	2.178034	5.0	180842.0	1.742427	Y
4	IC 410-641051/6	3.75	5.622818	5.0	195081.0	1.499418	Y
5	IC 410-641051/5	7.5	12.235317	5.0	183956.0	1.631376	Y
6	ICIS 410-641051/2	12.5	22.669482	5.0	206113.0	1.813559	Y
7	IC 410-641051/4	20.0	32.884635	5.0	196082.0	1.644232	Y
8	IC 410-641051/3	30.0	50.329436	5.0	180187.0	1.677648	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

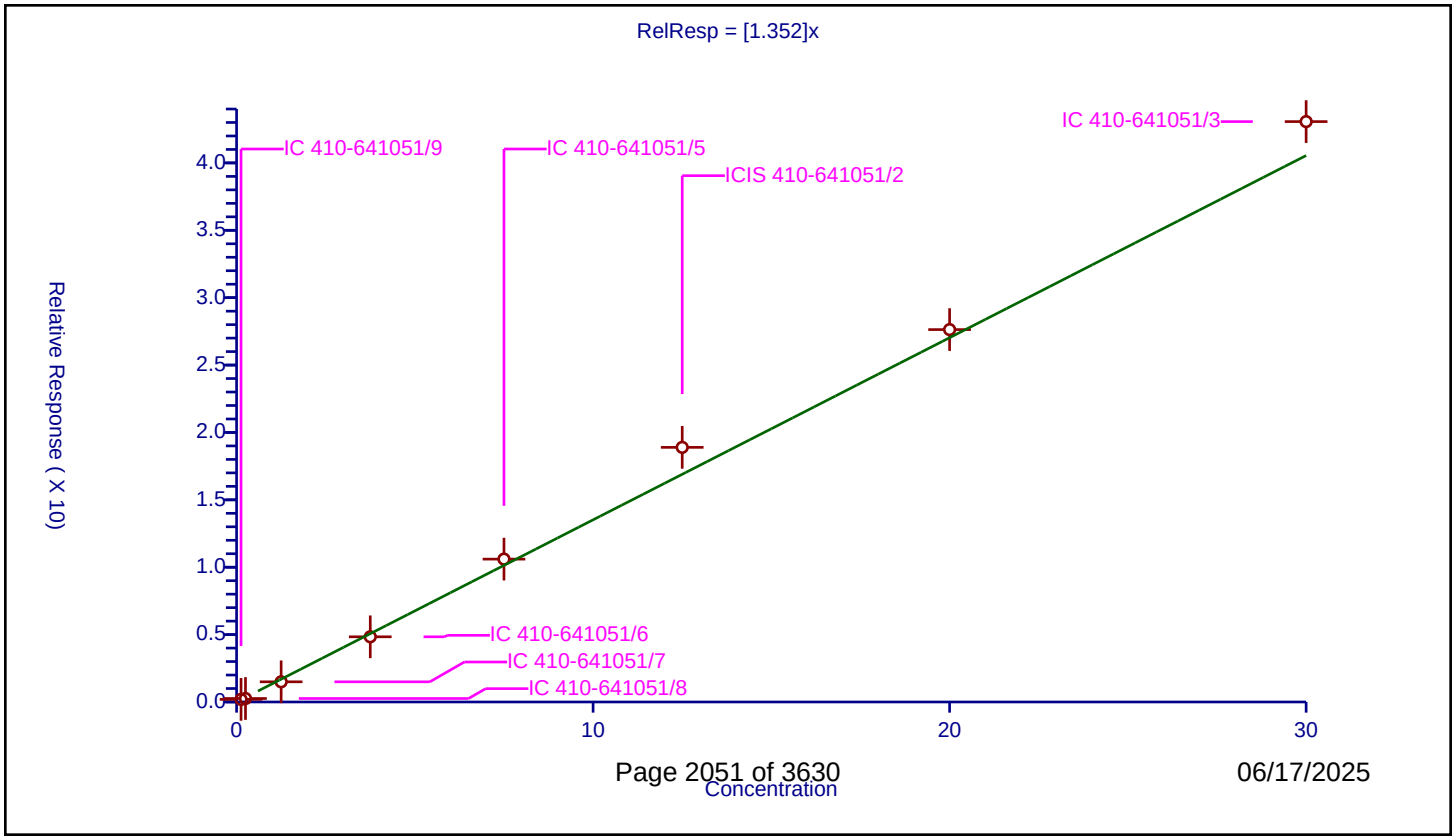
Curve Coefficients

Intercept:	0
Slope:	1.352

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.193862	5.0	168754.0	1.550897	Y
2	IC 410-641051/8	0.25	0.258044	5.0	180841.0	1.032177	Y
3	IC 410-641051/7	1.25	1.497274	5.0	180842.0	1.197819	Y
4	IC 410-641051/6	3.75	4.837042	5.0	195081.0	1.289878	Y
5	IC 410-641051/5	7.5	10.600741	5.0	183956.0	1.413432	Y
6	ICIS 410-641051/2	12.5	18.893617	5.0	206113.0	1.511489	Y
7	IC 410-641051/4	20.0	27.63117	5.0	196082.0	1.381558	Y
8	IC 410-641051/3	30.0	43.065093	5.0	180187.0	1.435503	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

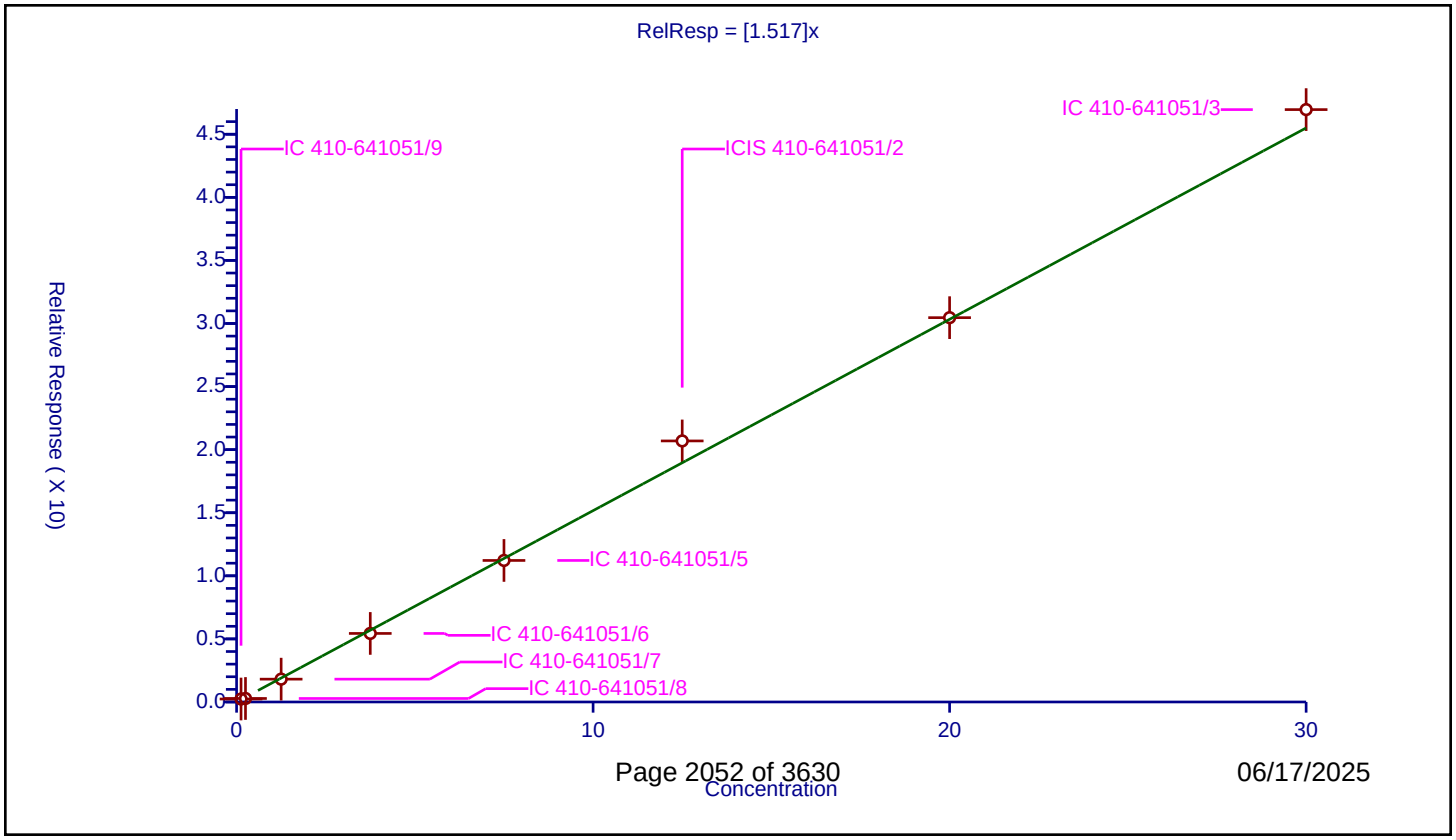
Curve Coefficients

Intercept:	0
Slope:	1.517

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.235965	5.0	168754.0	1.887718	Y
2	IC 410-641051/8	0.25	0.277288	5.0	180841.0	1.109151	Y
3	IC 410-641051/7	1.25	1.809674	5.0	180842.0	1.447739	Y
4	IC 410-641051/6	3.75	5.433974	5.0	195081.0	1.44906	Y
5	IC 410-641051/5	7.5	11.217846	5.0	183956.0	1.495713	Y
6	ICIS 410-641051/2	12.5	20.692145	5.0	206113.0	1.655372	Y
7	IC 410-641051/4	20.0	30.46195	5.0	196082.0	1.523097	Y
8	IC 410-641051/3	30.0	46.95447	5.0	180187.0	1.565149	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

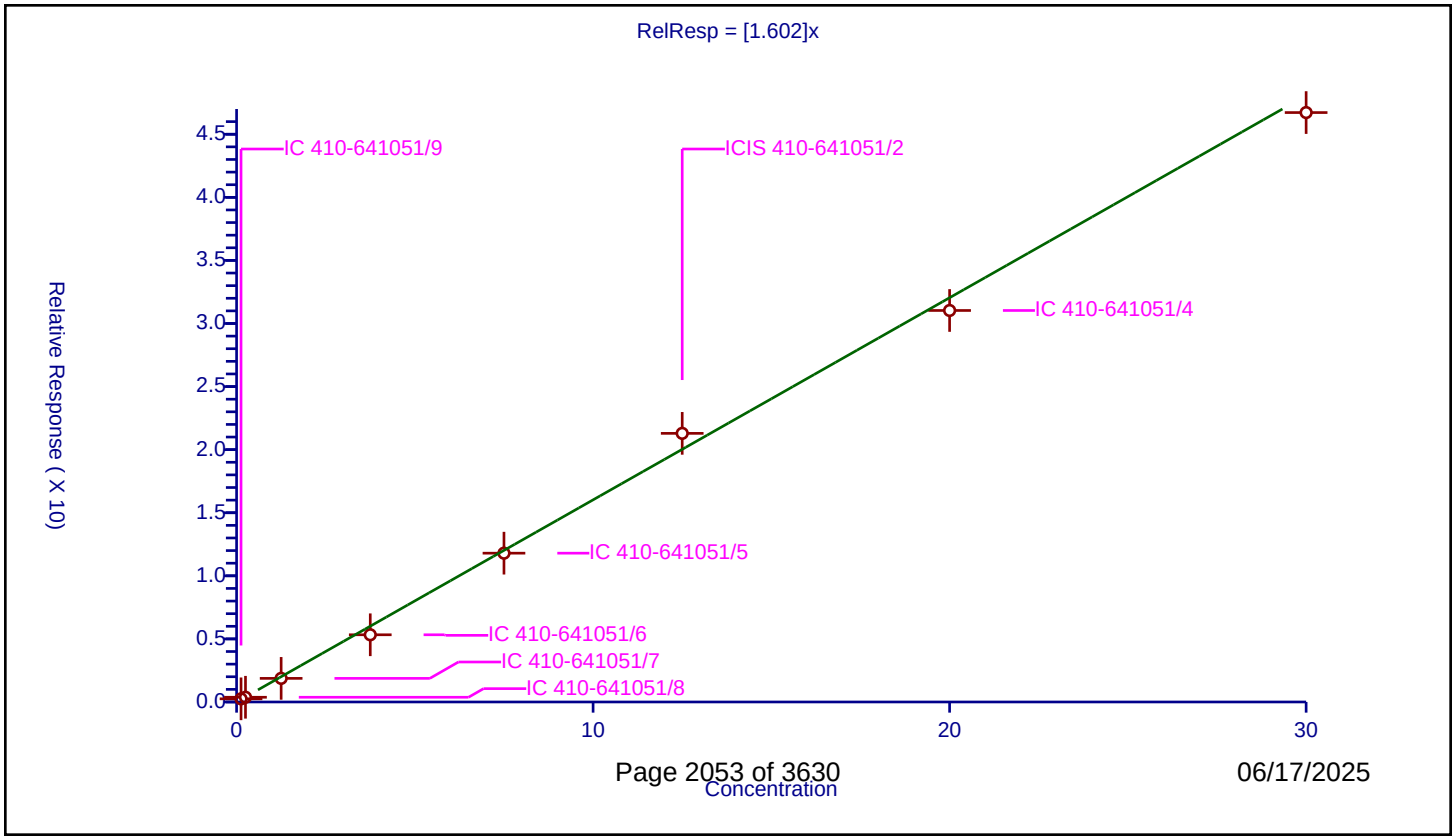
Curve Coefficients

Intercept:	0
Slope:	1.602

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.25149	5.0	168754.0	2.011923	Y
2	IC 410-641051/8	0.25	0.375772	5.0	180841.0	1.503088	Y
3	IC 410-641051/7	1.25	1.870943	5.0	180842.0	1.496754	Y
4	IC 410-641051/6	3.75	5.326582	5.0	195081.0	1.420422	Y
5	IC 410-641051/5	7.5	11.795076	5.0	183956.0	1.572677	Y
6	ICIS 410-641051/2	12.5	21.291743	5.0	206113.0	1.703339	Y
7	IC 410-641051/4	20.0	31.030717	5.0	196082.0	1.551536	Y
8	IC 410-641051/3	30.0	46.719908	5.0	180187.0	1.55733	Y



Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

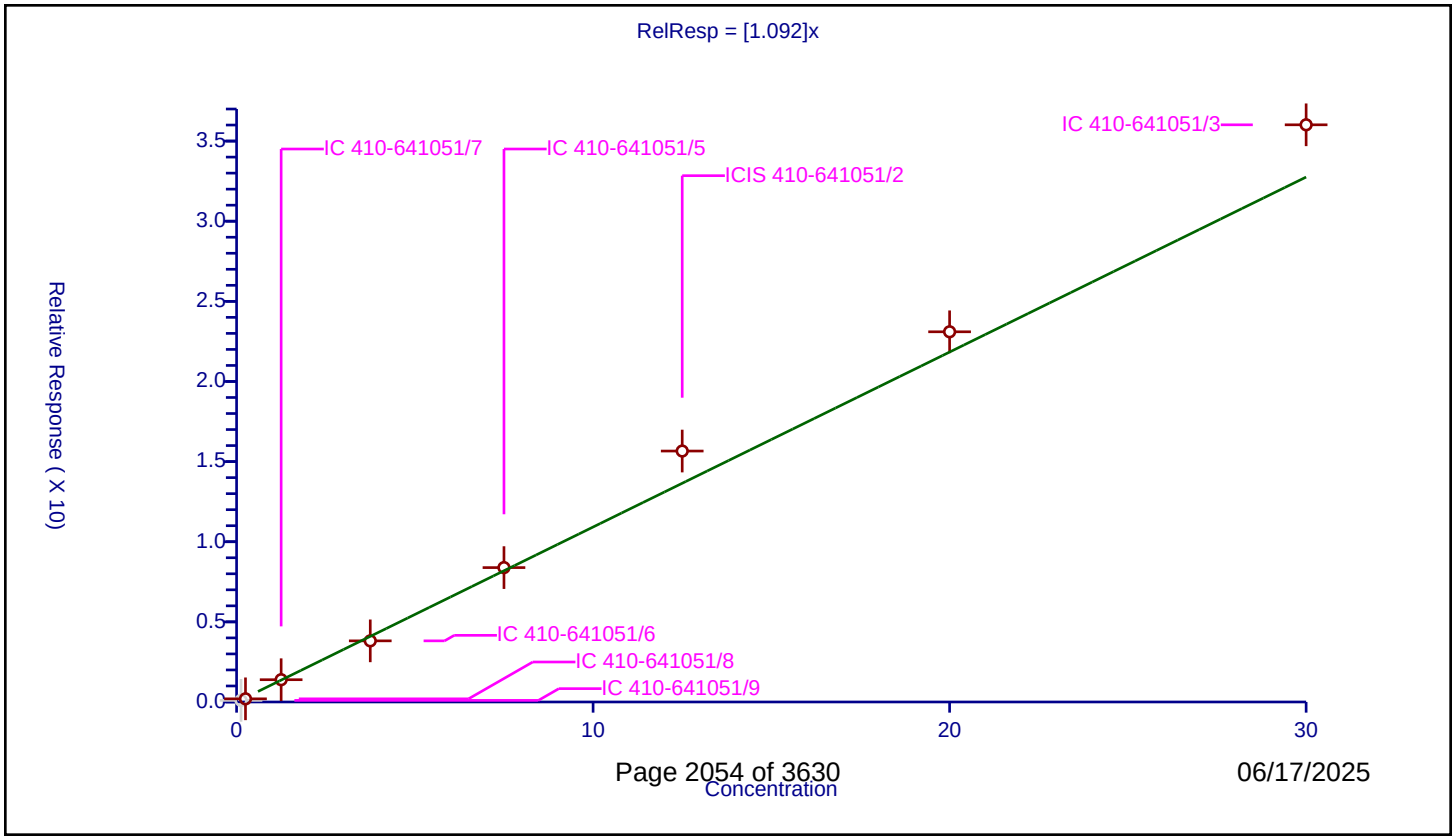
Curve Coefficients

Intercept:	0
Slope:	1.092

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.101124	5.0	168754.0	0.808988	N
2	IC 410-641051/8	0.25	0.196499	5.0	180841.0	0.785994	Y
3	IC 410-641051/7	1.25	1.391021	5.0	180842.0	1.112817	Y
4	IC 410-641051/6	3.75	3.815313	5.0	195081.0	1.017417	Y
5	IC 410-641051/5	7.5	8.385212	5.0	183956.0	1.118028	Y
6	ICIS 410-641051/2	12.5	15.658449	5.0	206113.0	1.252676	Y
7	IC 410-641051/4	20.0	23.099749	5.0	196082.0	1.154987	Y
8	IC 410-641051/3	30.0	36.01575	5.0	180187.0	1.200525	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

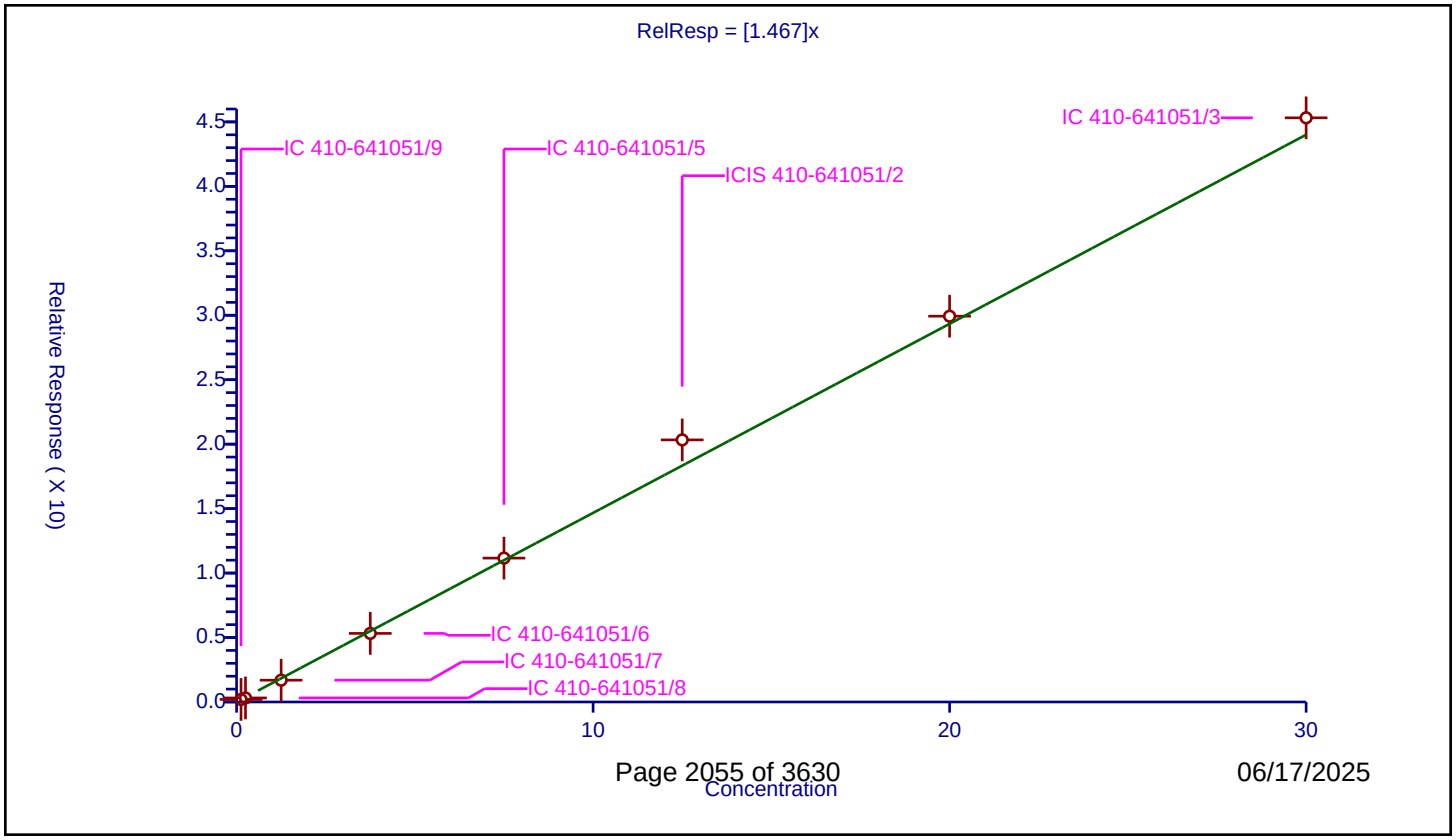
Curve Coefficients

Intercept:	0
Slope:	1.467

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.198306	5.0	168754.0	1.586451	Y
2	IC 410-641051/8	0.25	0.313756	5.0	180841.0	1.255025	Y
3	IC 410-641051/7	1.25	1.690426	5.0	180842.0	1.352341	Y
4	IC 410-641051/6	3.75	5.320354	5.0	195081.0	1.418761	Y
5	IC 410-641051/5	7.5	11.162017	5.0	183956.0	1.488269	Y
6	ICIS 410-641051/2	12.5	20.331323	5.0	206113.0	1.626506	Y
7	IC 410-641051/4	20.0	29.92855	5.0	196082.0	1.496428	Y
8	IC 410-641051/3	30.0	45.317254	5.0	180187.0	1.510575	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

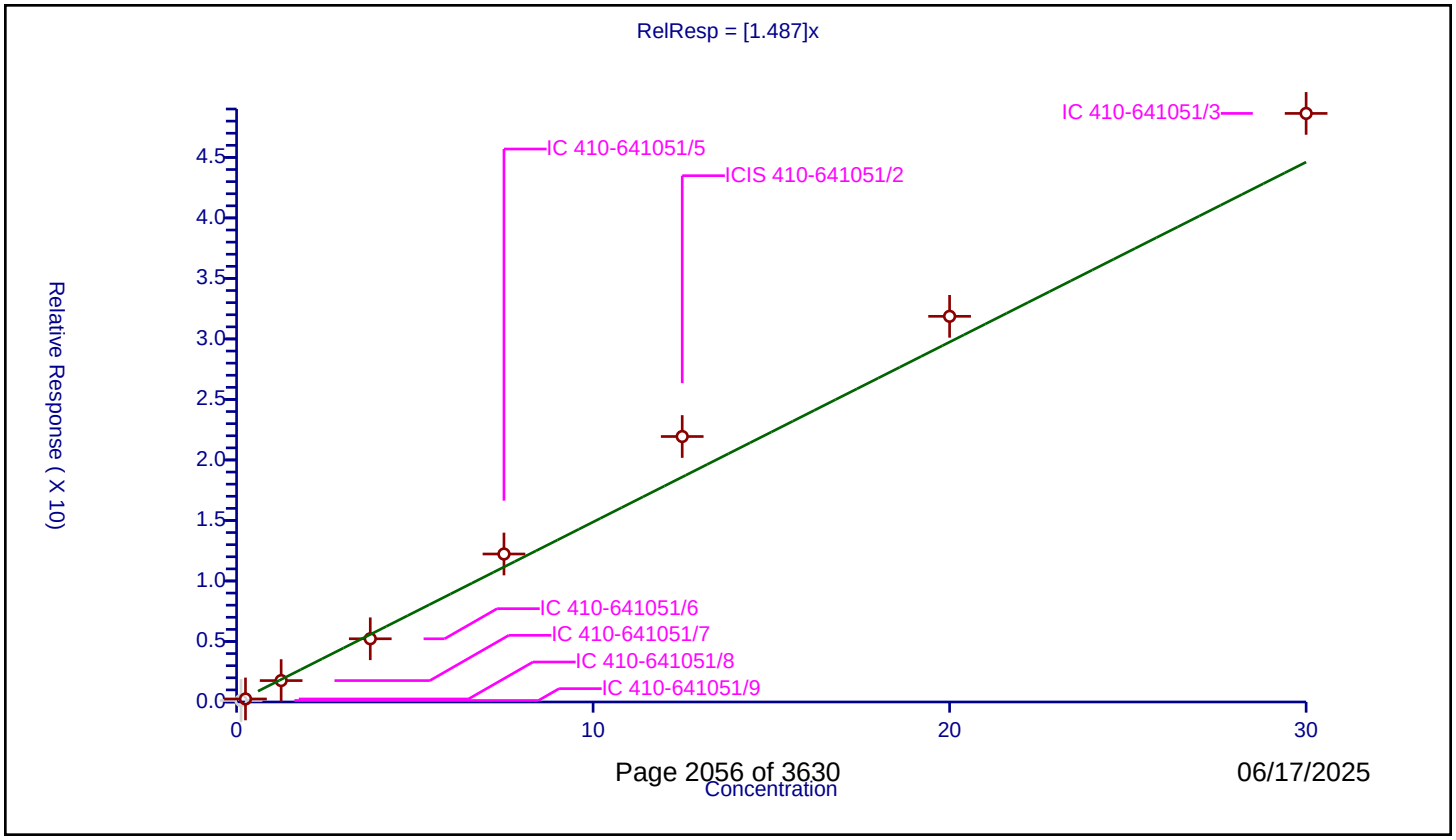
Curve Coefficients

Intercept:	0
Slope:	1.487

Error Coefficients

Relative Standard Deviation:	16.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.124382	5.0	168754.0	0.995058	N
2	IC 410-641051/8	0.25	0.25033	5.0	180841.0	1.001322	Y
3	IC 410-641051/7	1.25	1.76939	5.0	180842.0	1.415512	Y
4	IC 410-641051/6	3.75	5.224471	5.0	195081.0	1.393192	Y
5	IC 410-641051/5	7.5	12.22844	5.0	183956.0	1.630459	Y
6	ICIS 410-641051/2	12.5	21.937287	5.0	206113.0	1.754983	Y
7	IC 410-641051/4	20.0	31.86983	5.0	196082.0	1.593491	Y
8	IC 410-641051/3	30.0	48.635501	5.0	180187.0	1.621183	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

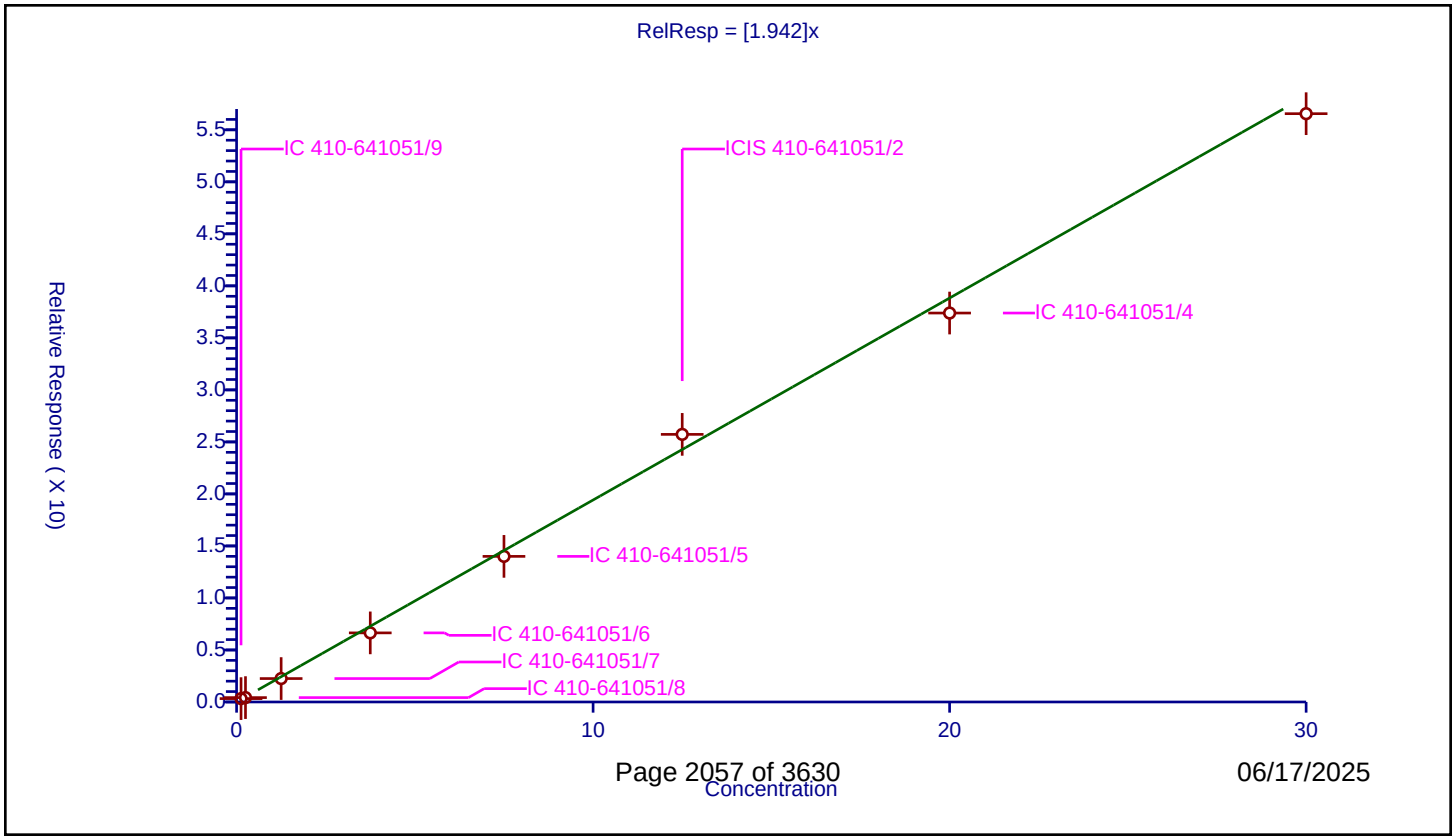
Curve Coefficients

Intercept:	0
Slope:	1.942

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.324111	5.0	168754.0	2.592887	Y
2	IC 410-641051/8	0.25	0.421973	5.0	180841.0	1.687892	Y
3	IC 410-641051/7	1.25	2.251579	5.0	180842.0	1.801263	Y
4	IC 410-641051/6	3.75	6.643702	5.0	195081.0	1.771654	Y
5	IC 410-641051/5	7.5	13.996255	5.0	183956.0	1.866167	Y
6	ICIS 410-641051/2	12.5	25.724287	5.0	206113.0	2.057943	Y
7	IC 410-641051/4	20.0	37.387573	5.0	196082.0	1.869379	Y
8	IC 410-641051/3	30.0	56.551888	5.0	180187.0	1.885063	Y



Calibration / N-Nitrosopyrrolidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

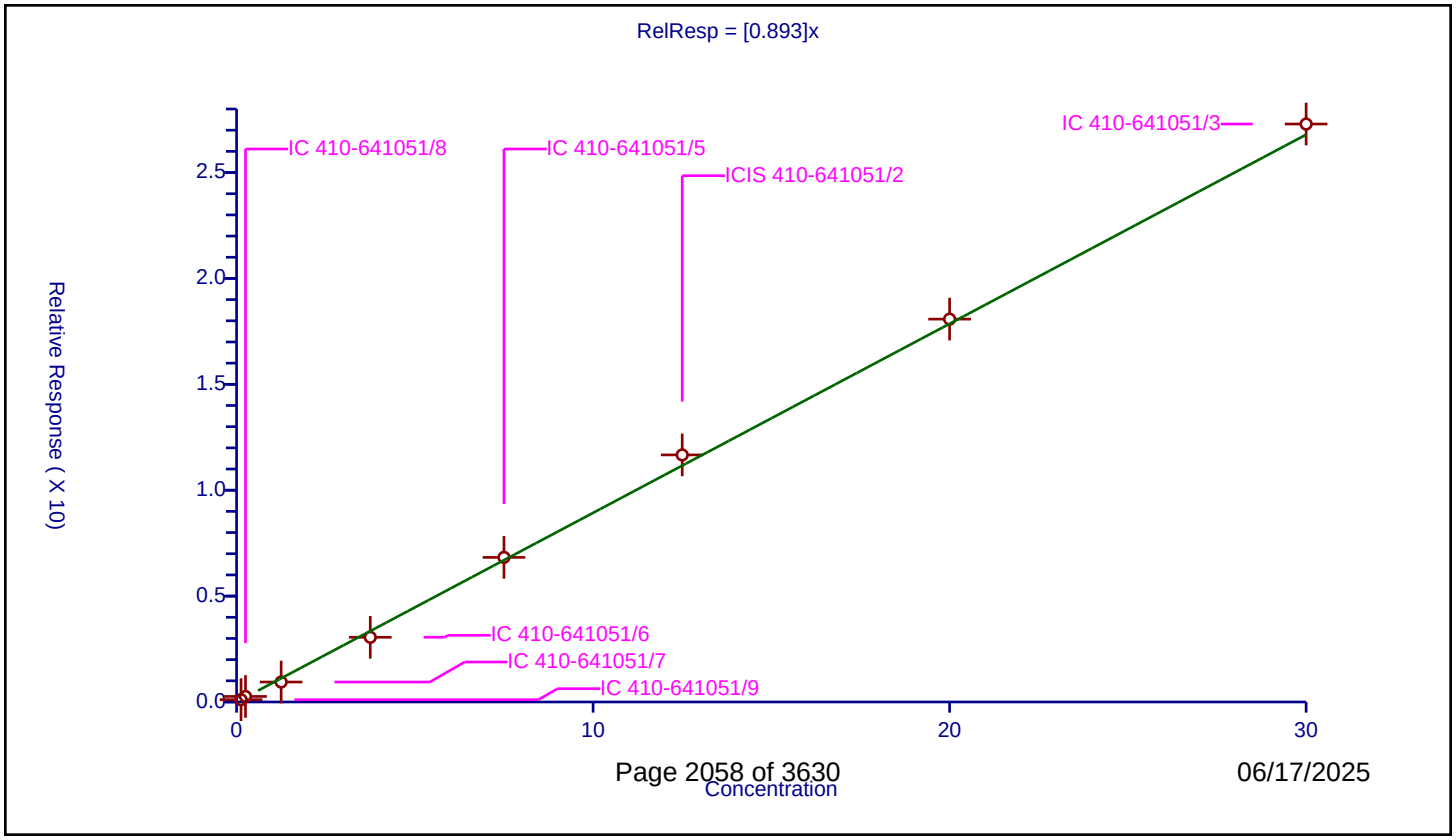
Curve Coefficients

Intercept:	0
Slope:	0.893

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.10939	5.0	168754.0	0.87512	Y
2	IC 410-641051/8	0.25	0.260699	5.0	180841.0	1.042794	Y
3	IC 410-641051/7	1.25	0.942342	5.0	180842.0	0.753874	Y
4	IC 410-641051/6	3.75	3.055782	5.0	195081.0	0.814875	Y
5	IC 410-641051/5	7.5	6.827747	5.0	183956.0	0.910366	Y
6	ICIS 410-641051/2	12.5	11.666877	5.0	206113.0	0.93335	Y
7	IC 410-641051/4	20.0	18.078635	5.0	196082.0	0.903932	Y
8	IC 410-641051/3	30.0	27.290593	5.0	180187.0	0.909686	Y



Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

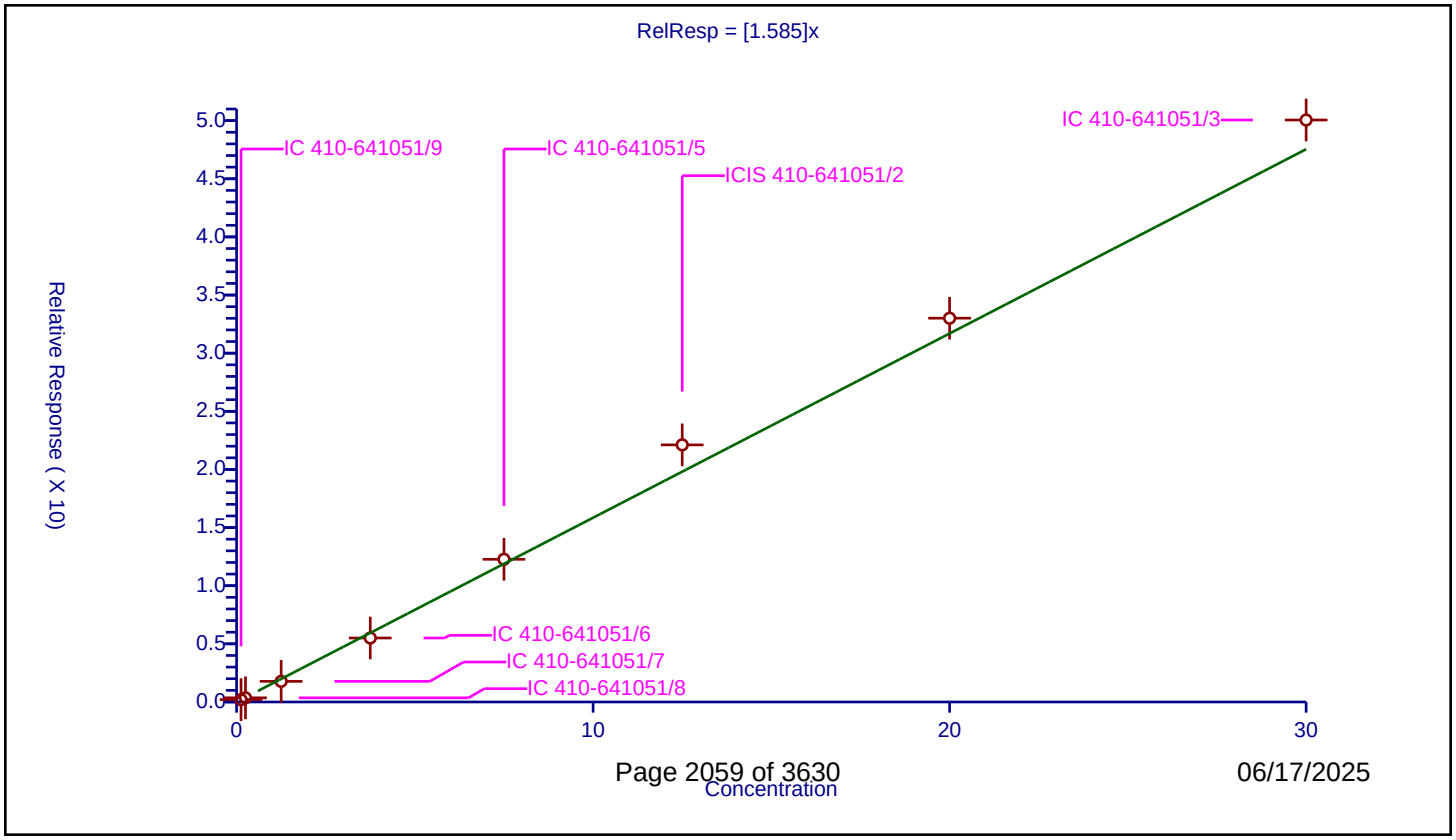
Curve Coefficients

Intercept:	0
Slope:	1.585

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.203817	5.0	168754.0	1.630539	Y
2	IC 410-641051/8	0.25	0.358851	5.0	180841.0	1.435405	Y
3	IC 410-641051/7	1.25	1.774339	5.0	180842.0	1.419471	Y
4	IC 410-641051/6	3.75	5.503329	5.0	195081.0	1.467555	Y
5	IC 410-641051/5	7.5	12.273207	5.0	183956.0	1.636428	Y
6	ICIS 410-641051/2	12.5	22.112215	5.0	206113.0	1.768977	Y
7	IC 410-641051/4	20.0	33.010169	5.0	196082.0	1.650508	Y
8	IC 410-641051/3	30.0	50.055942	5.0	180187.0	1.668531	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

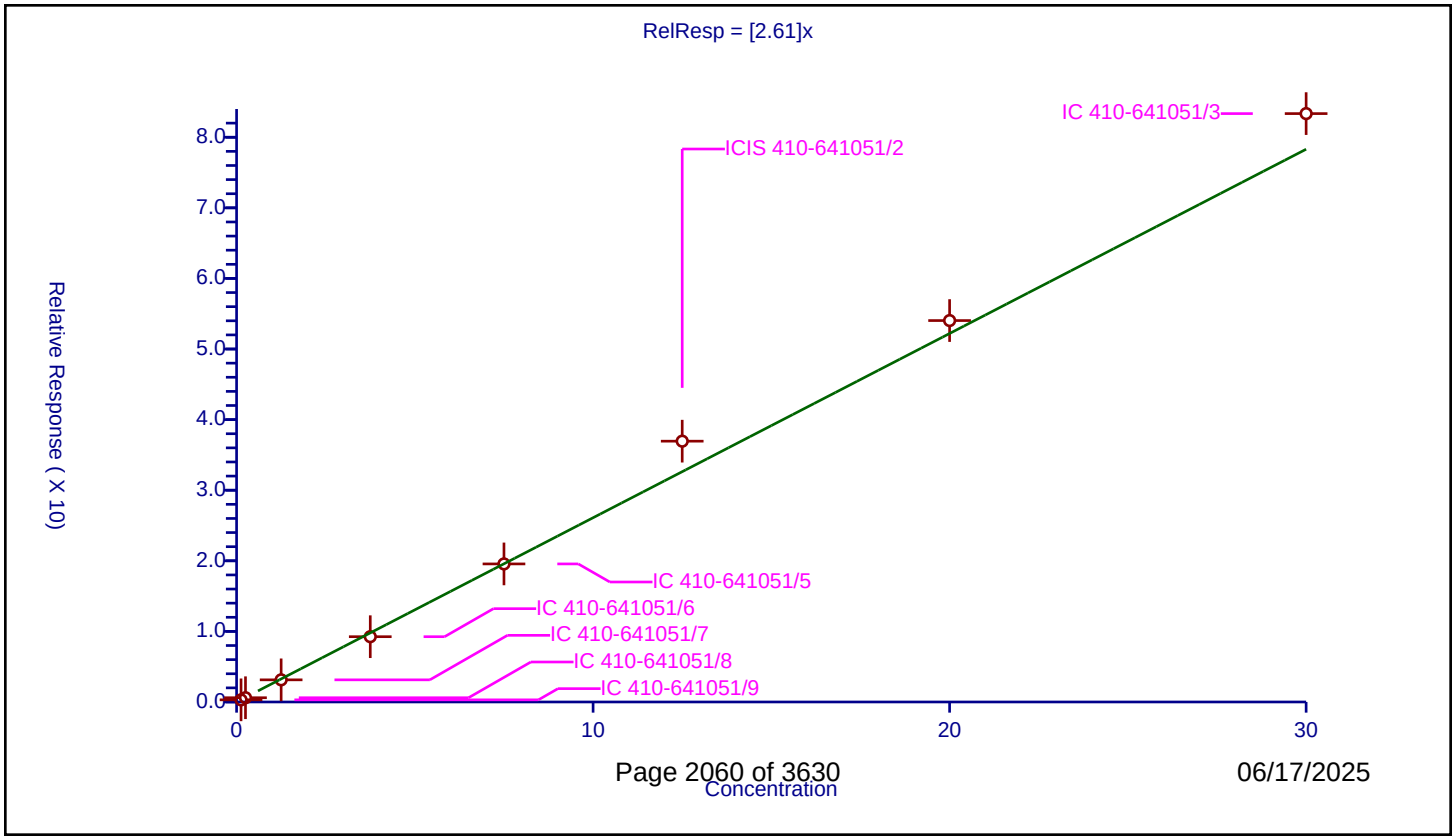
Curve Coefficients

Intercept:	0
Slope:	2.61

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.30583	5.0	168754.0	2.446638	Y
2	IC 410-641051/8	0.25	0.603569	5.0	180841.0	2.414276	Y
3	IC 410-641051/7	1.25	3.13702	5.0	180842.0	2.509616	Y
4	IC 410-641051/6	3.75	9.250619	5.0	195081.0	2.466832	Y
5	IC 410-641051/5	7.5	19.558808	5.0	183956.0	2.607841	Y
6	ICIS 410-641051/2	12.5	36.947112	5.0	206113.0	2.955769	Y
7	IC 410-641051/4	20.0	54.031936	5.0	196082.0	2.701597	Y
8	IC 410-641051/3	30.0	83.348854	5.0	180187.0	2.778295	Y



06/17/2025

Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

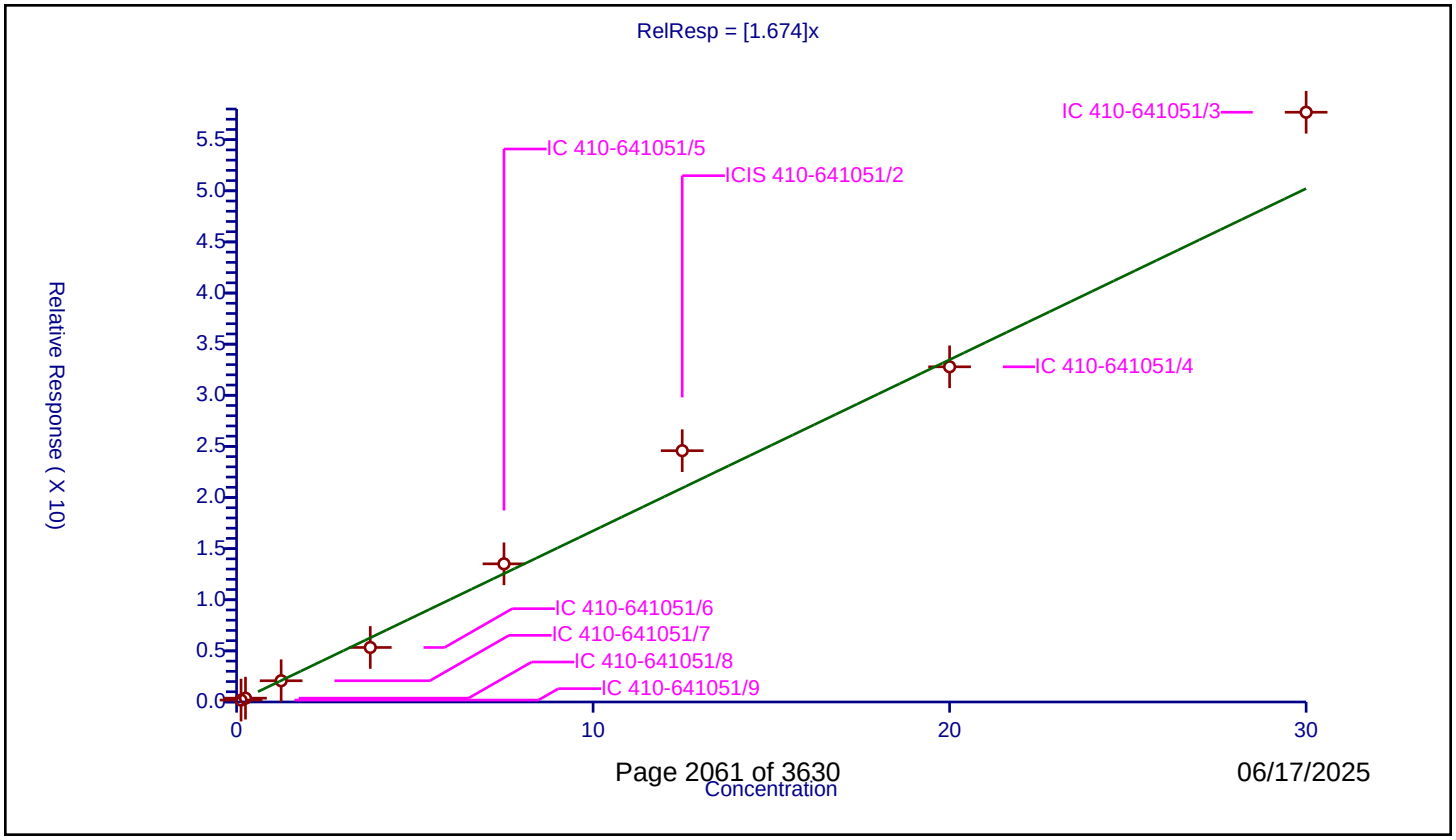
Curve Coefficients

Intercept:	0
Slope:	1.674

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.185329	5.0	168754.0	1.482632	Y
2	IC 410-641051/8	0.25	0.373367	5.0	180841.0	1.493467	Y
3	IC 410-641051/7	1.25	2.078693	5.0	180842.0	1.662954	Y
4	IC 410-641051/6	3.75	5.333374	5.0	195081.0	1.422233	Y
5	IC 410-641051/5	7.5	13.511139	5.0	183956.0	1.801485	Y
6	ICIS 410-641051/2	12.5	24.580715	5.0	206113.0	1.966457	Y
7	IC 410-641051/4	20.0	32.78562	5.0	196082.0	1.639281	Y
8	IC 410-641051/3	30.0	57.685044	5.0	180187.0	1.922835	Y



Calibration / N-Nitrosomorpholine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

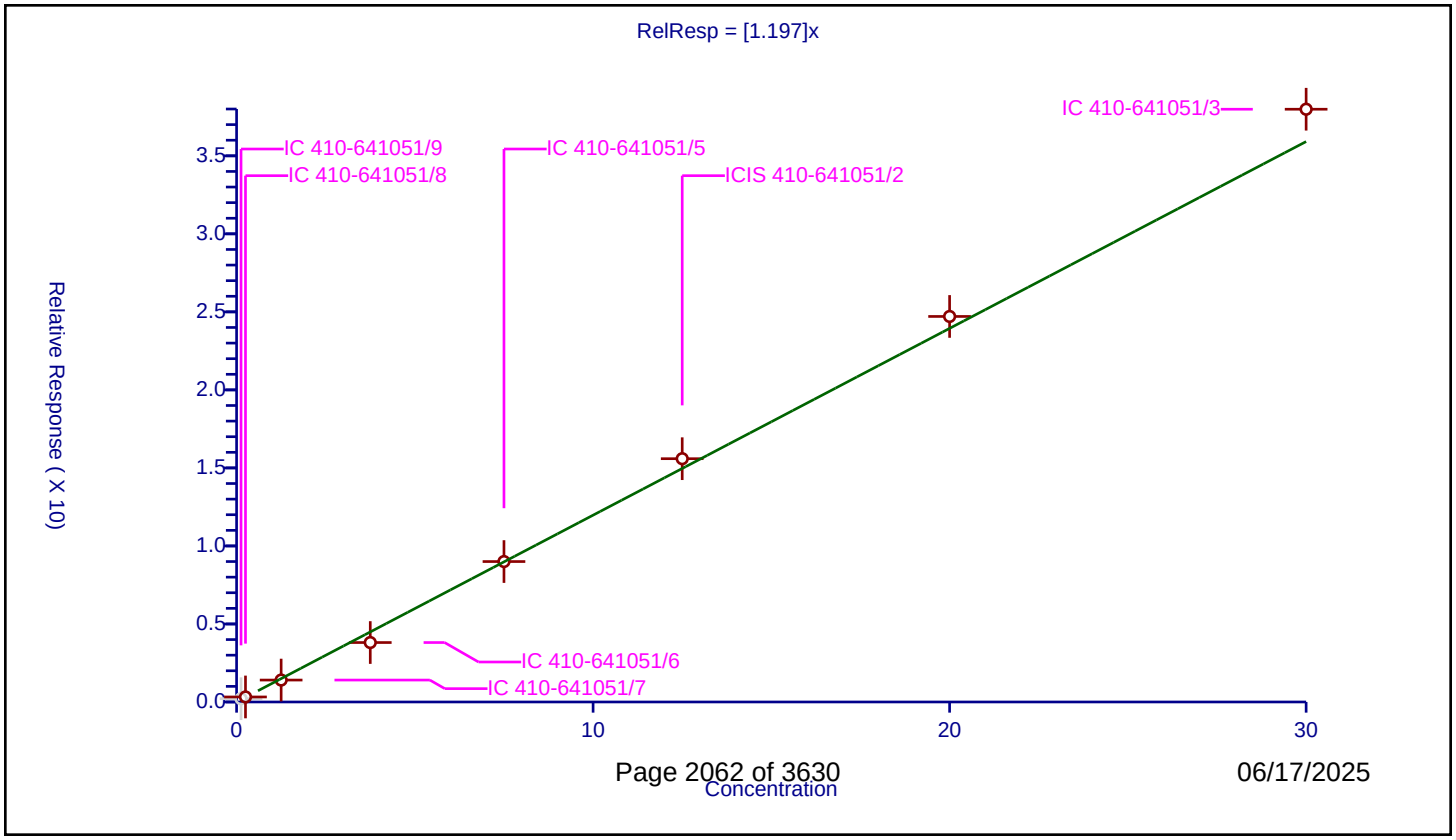
Curve Coefficients

Intercept:	0
Slope:	1.197

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.211758	5.0	168754.0	1.694064	N
2	IC 410-641051/8	0.25	0.322853	5.0	180841.0	1.291411	Y
3	IC 410-641051/7	1.25	1.404735	5.0	180842.0	1.123788	Y
4	IC 410-641051/6	3.75	3.809469	5.0	195081.0	1.015858	Y
5	IC 410-641051/5	7.5	8.999951	5.0	183956.0	1.199993	Y
6	ICIS 410-641051/2	12.5	15.59038	5.0	206113.0	1.24723	Y
7	IC 410-641051/4	20.0	24.706755	5.0	196082.0	1.235338	Y
8	IC 410-641051/3	30.0	37.986758	5.0	180187.0	1.266225	Y



Calibration / 2-Toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

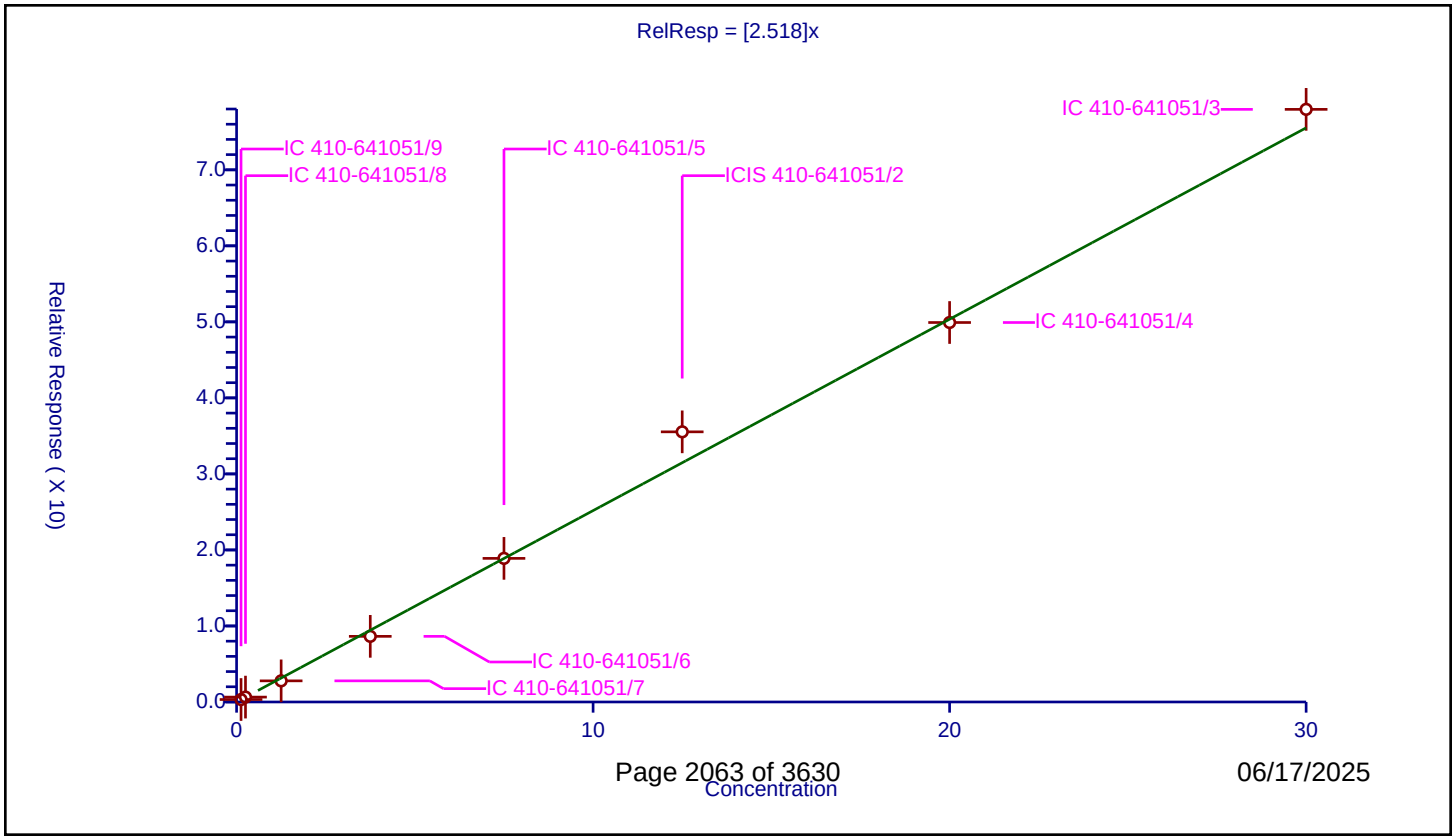
Curve Coefficients

Intercept:	0
Slope:	2.518

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.322866	5.0	168754.0	2.582931	Y
2	IC 410-641051/8	0.25	0.644019	5.0	180841.0	2.576075	Y
3	IC 410-641051/7	1.25	2.778475	5.0	180842.0	2.22278	Y
4	IC 410-641051/6	3.75	8.634106	5.0	195081.0	2.302428	Y
5	IC 410-641051/5	7.5	18.890088	5.0	183956.0	2.518678	Y
6	ICIS 410-641051/2	12.5	35.534949	5.0	206113.0	2.842796	Y
7	IC 410-641051/4	20.0	49.915954	5.0	196082.0	2.495798	Y
8	IC 410-641051/3	30.0	77.955929	5.0	180187.0	2.598531	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

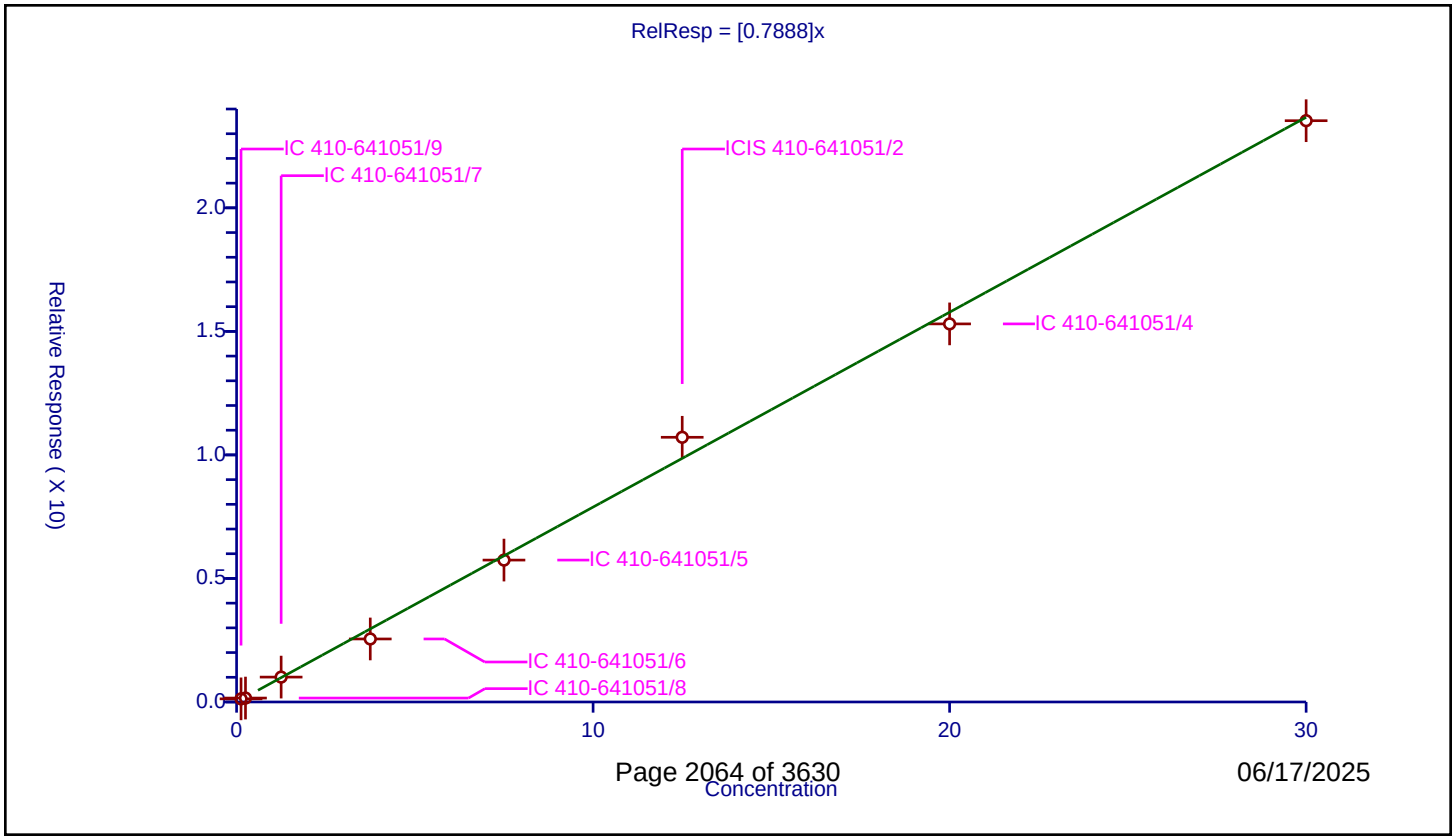
Curve Coefficients

Intercept:	0
Slope:	0.7888

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.127108	5.0	168754.0	1.016865	Y
2	IC 410-641051/8	0.25	0.158896	5.0	180841.0	0.635586	Y
3	IC 410-641051/7	1.25	1.007095	5.0	180842.0	0.805676	Y
4	IC 410-641051/6	3.75	2.55071	5.0	195081.0	0.680189	Y
5	IC 410-641051/5	7.5	5.74333	5.0	183956.0	0.765777	Y
6	ICIS 410-641051/2	12.5	10.714074	5.0	206113.0	0.857126	Y
7	IC 410-641051/4	20.0	15.303291	5.0	196082.0	0.765165	Y
8	IC 410-641051/3	30.0	23.526864	5.0	180187.0	0.784229	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

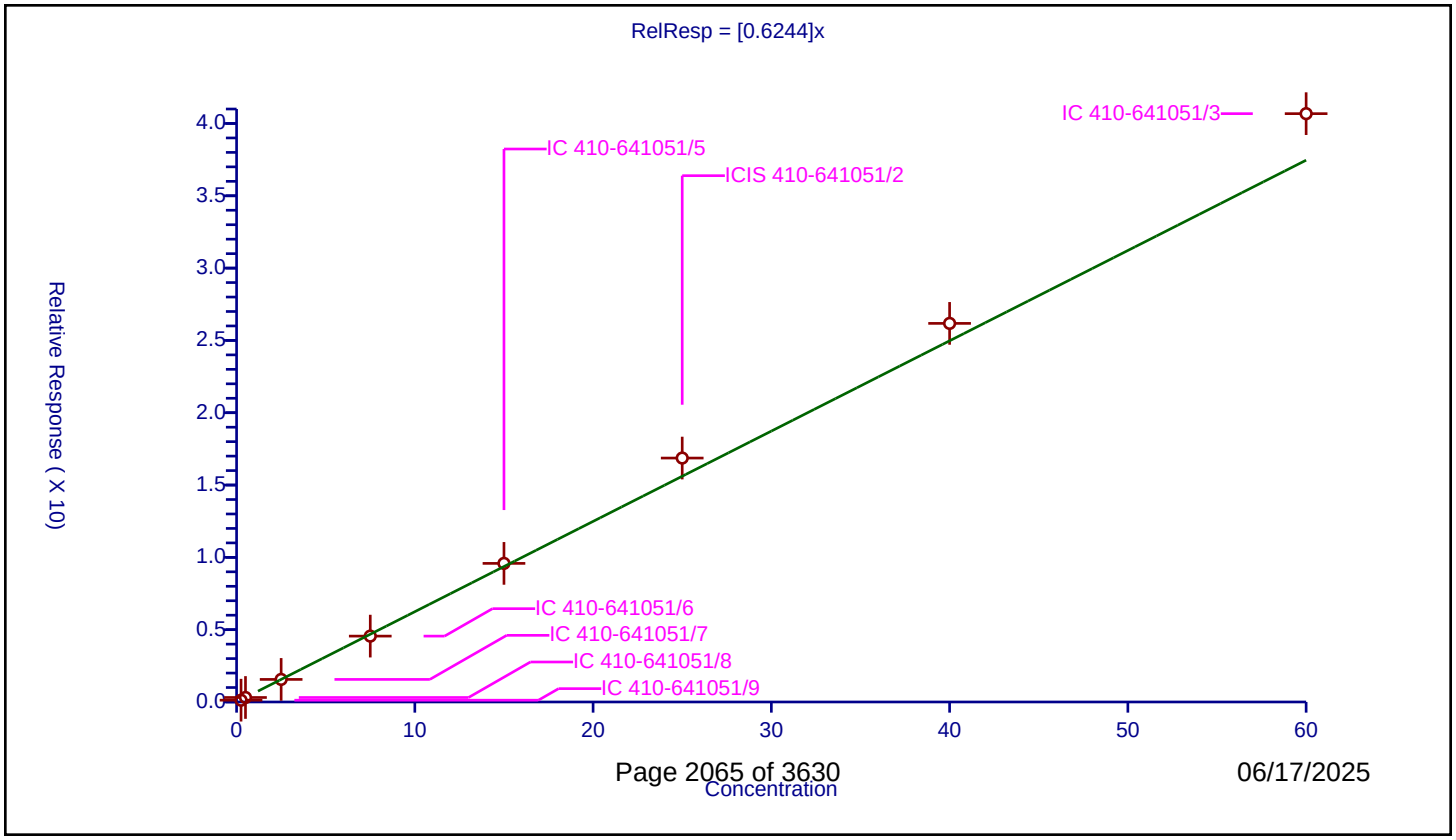
Curve Coefficients

Intercept:	0
Slope:	0.6244

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.123898	5.0	691214.0	0.495592	Y
2	IC 410-641051/8	0.5	0.31087	5.0	678080.0	0.621741	Y
3	IC 410-641051/7	2.5	1.560637	5.0	655447.0	0.624255	Y
4	IC 410-641051/6	7.5	4.554542	5.0	705780.0	0.607272	Y
5	IC 410-641051/5	15.0	9.583672	5.0	699161.0	0.638911	Y
6	ICIS 410-641051/2	25.0	16.865521	5.0	831564.0	0.674621	Y
7	IC 410-641051/4	40.0	26.177361	5.0	737191.0	0.654434	Y
8	IC 410-641051/3	60.0	40.679917	5.0	693092.0	0.677999	Y



06/17/2025

Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

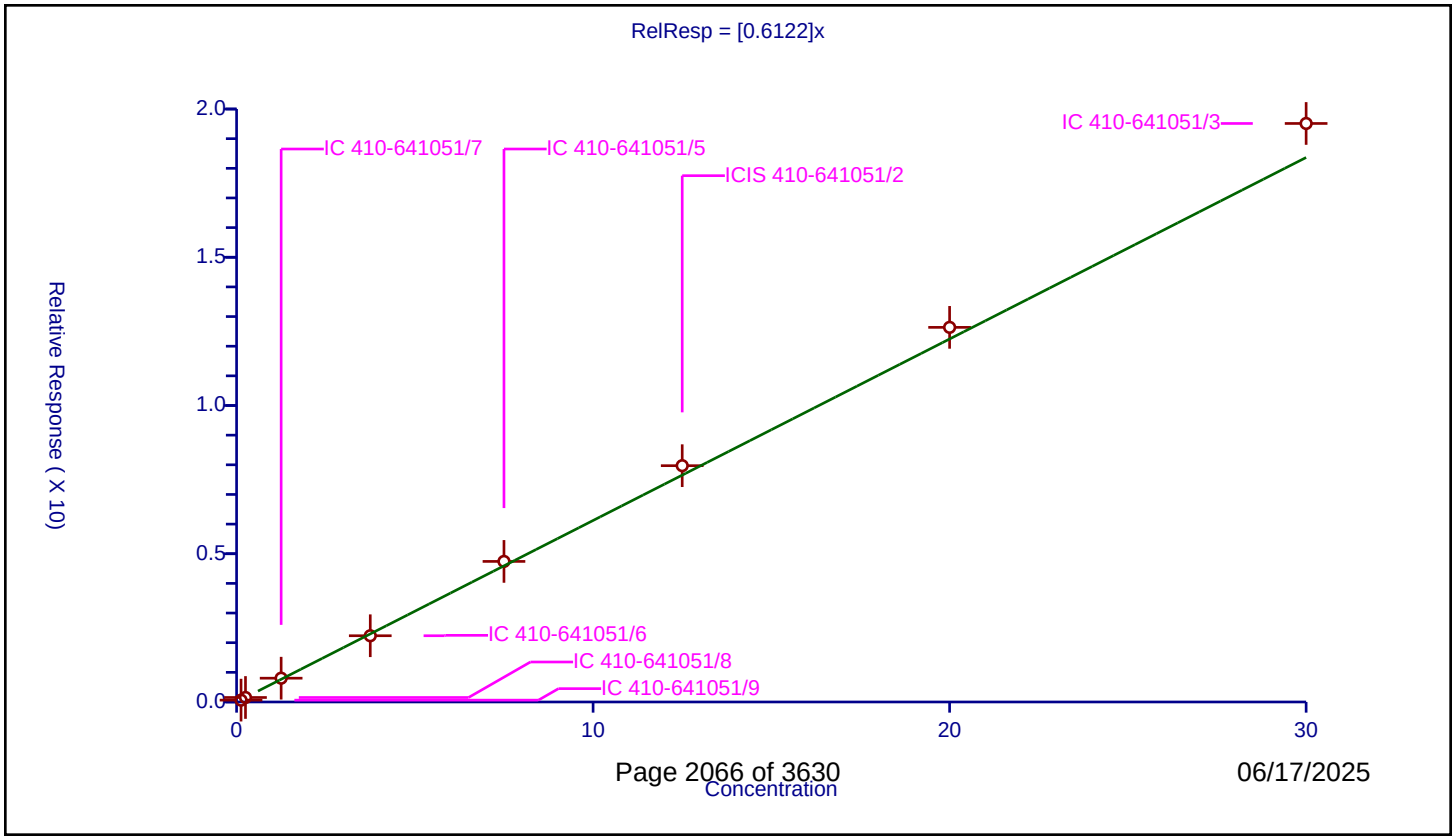
Curve Coefficients

Intercept:	0
Slope:	0.6122

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.062499	5.0	691214.0	0.49999	Y
2	IC 410-641051/8	0.25	0.151774	5.0	678080.0	0.607097	Y
3	IC 410-641051/7	1.25	0.802971	5.0	655447.0	0.642377	Y
4	IC 410-641051/6	3.75	2.234159	5.0	705780.0	0.595776	Y
5	IC 410-641051/5	7.5	4.741404	5.0	699161.0	0.632187	Y
6	ICIS 410-641051/2	12.5	7.970667	5.0	831564.0	0.637653	Y
7	IC 410-641051/4	20.0	12.635891	5.0	737191.0	0.631795	Y
8	IC 410-641051/3	30.0	19.512871	5.0	693092.0	0.650429	Y



Calibration / N-Nitrosopiperidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

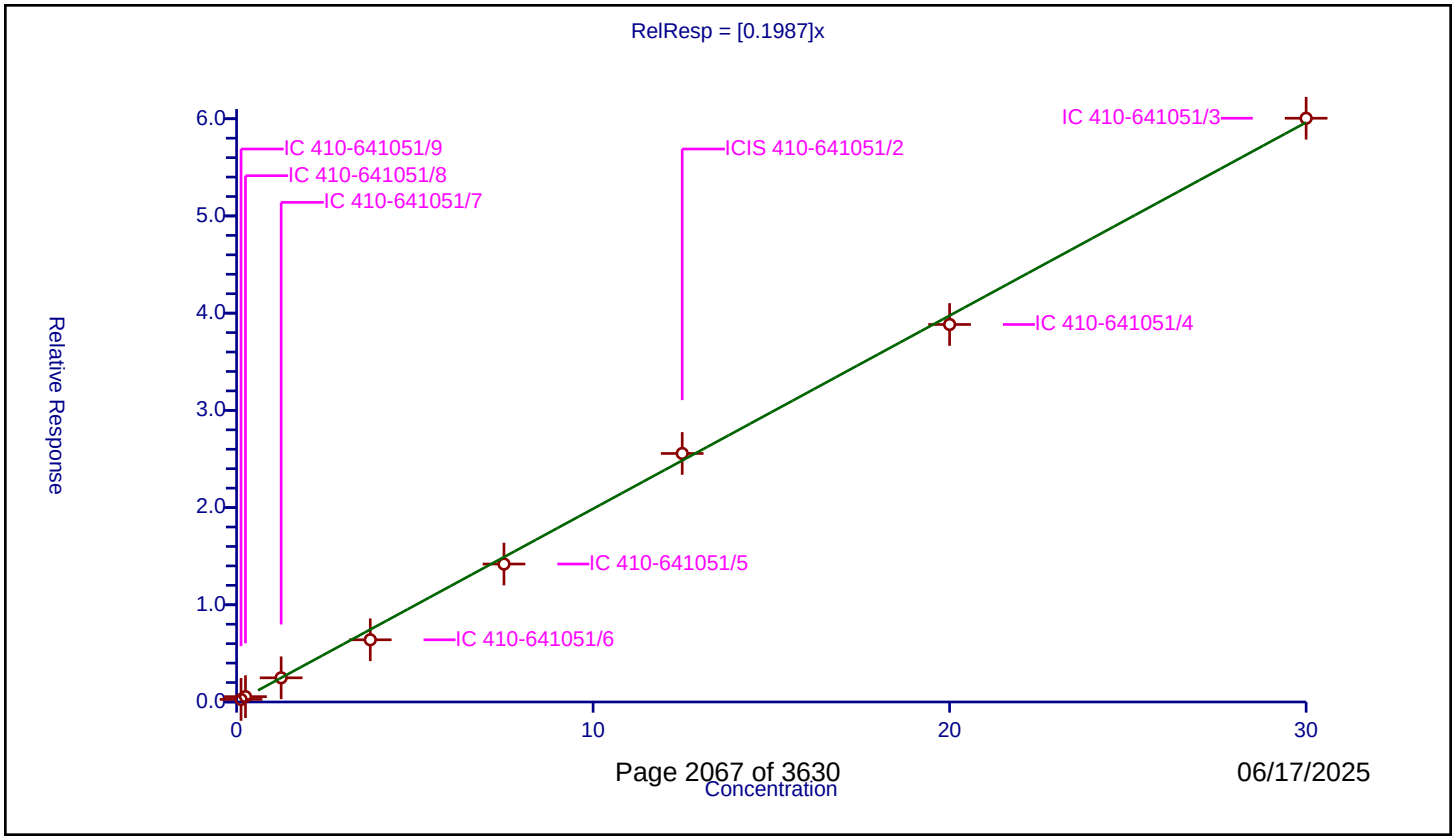
Curve Coefficients

Intercept:	0
Slope:	0.1987

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.026497	5.0	691214.0	0.211975	Y
2	IC 410-641051/8	0.25	0.055082	5.0	678080.0	0.220328	Y
3	IC 410-641051/7	1.25	0.248685	5.0	655447.0	0.198948	Y
4	IC 410-641051/6	3.75	0.639767	5.0	705780.0	0.170605	Y
5	IC 410-641051/5	7.5	1.419194	5.0	699161.0	0.189226	Y
6	ICIS 410-641051/2	12.5	2.556688	5.0	831564.0	0.204535	Y
7	IC 410-641051/4	20.0	3.883349	5.0	737191.0	0.194167	Y
8	IC 410-641051/3	30.0	6.004989	5.0	693092.0	0.200166	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

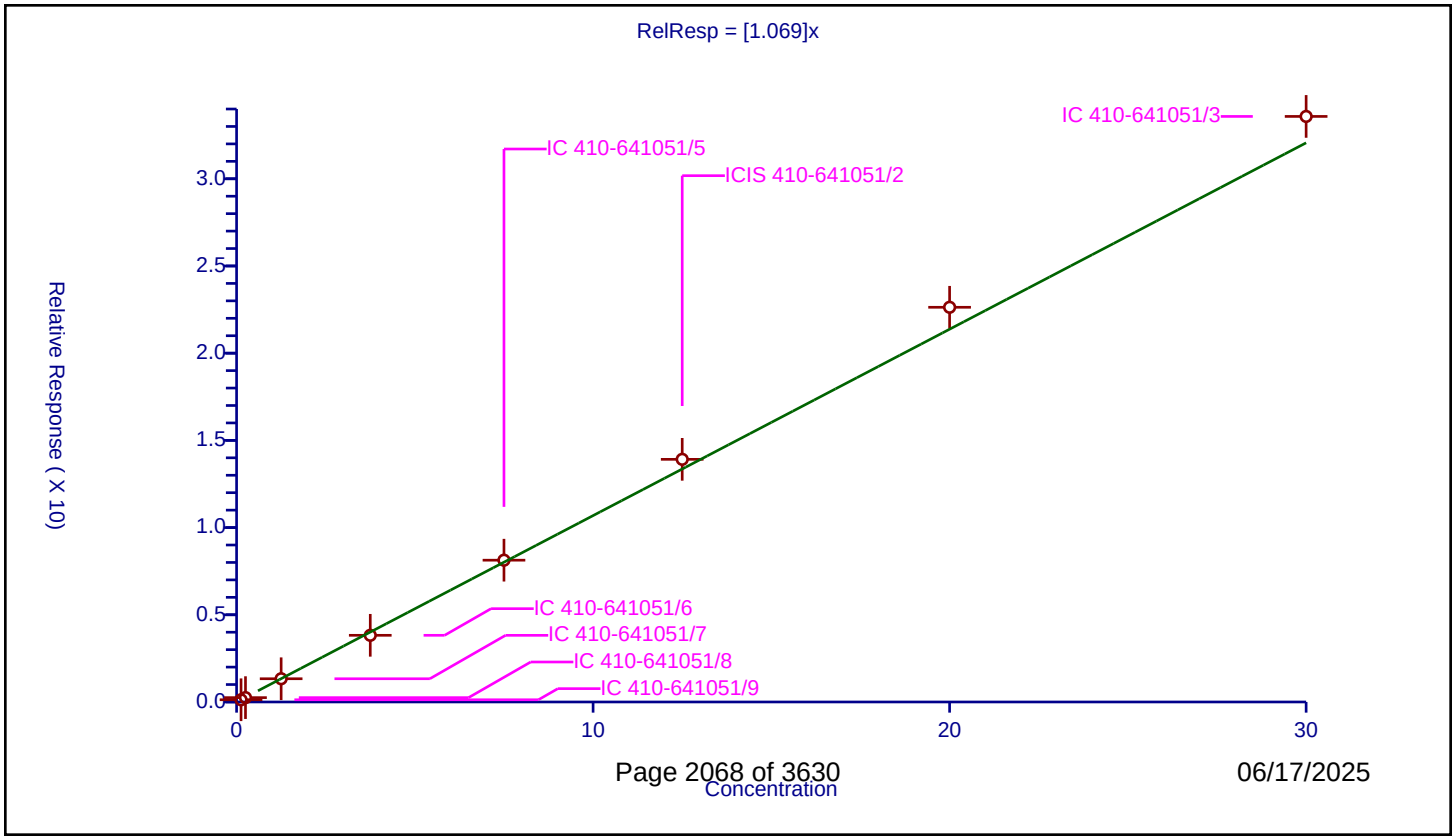
Curve Coefficients

Intercept:	0
Slope:	1.069

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.12724	5.0	691214.0	1.017919	Y
2	IC 410-641051/8	0.25	0.249499	5.0	678080.0	0.997994	Y
3	IC 410-641051/7	1.25	1.33261	5.0	655447.0	1.066088	Y
4	IC 410-641051/6	3.75	3.823344	5.0	705780.0	1.019559	Y
5	IC 410-641051/5	7.5	8.130924	5.0	699161.0	1.084123	Y
6	ICIS 410-641051/2	12.5	13.913974	5.0	831564.0	1.113118	Y
7	IC 410-641051/4	20.0	22.632052	5.0	737191.0	1.131603	Y
8	IC 410-641051/3	30.0	33.574309	5.0	693092.0	1.119144	Y



Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

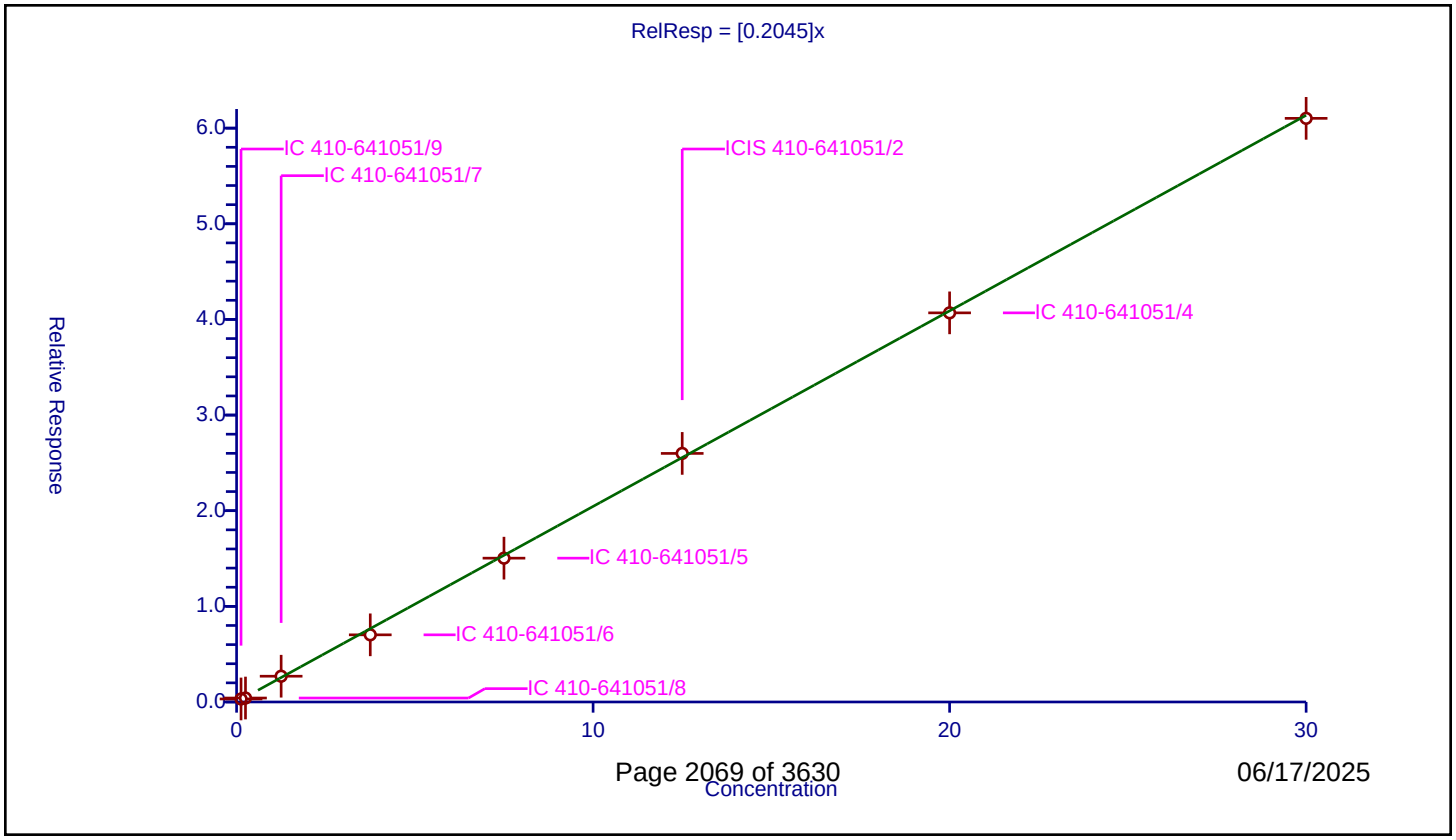
Curve Coefficients

Intercept:	0
Slope:	0.2045

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.03156	5.0	691214.0	0.252483	Y
2	IC 410-641051/8	0.25	0.041293	5.0	678080.0	0.165172	Y
3	IC 410-641051/7	1.25	0.269541	5.0	655447.0	0.215633	Y
4	IC 410-641051/6	3.75	0.70223	5.0	705780.0	0.187261	Y
5	IC 410-641051/5	7.5	1.50386	5.0	699161.0	0.200515	Y
6	ICIS 410-641051/2	12.5	2.598976	5.0	831564.0	0.207918	Y
7	IC 410-641051/4	20.0	4.068572	5.0	737191.0	0.203429	Y
8	IC 410-641051/3	30.0	6.102509	5.0	693092.0	0.203417	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

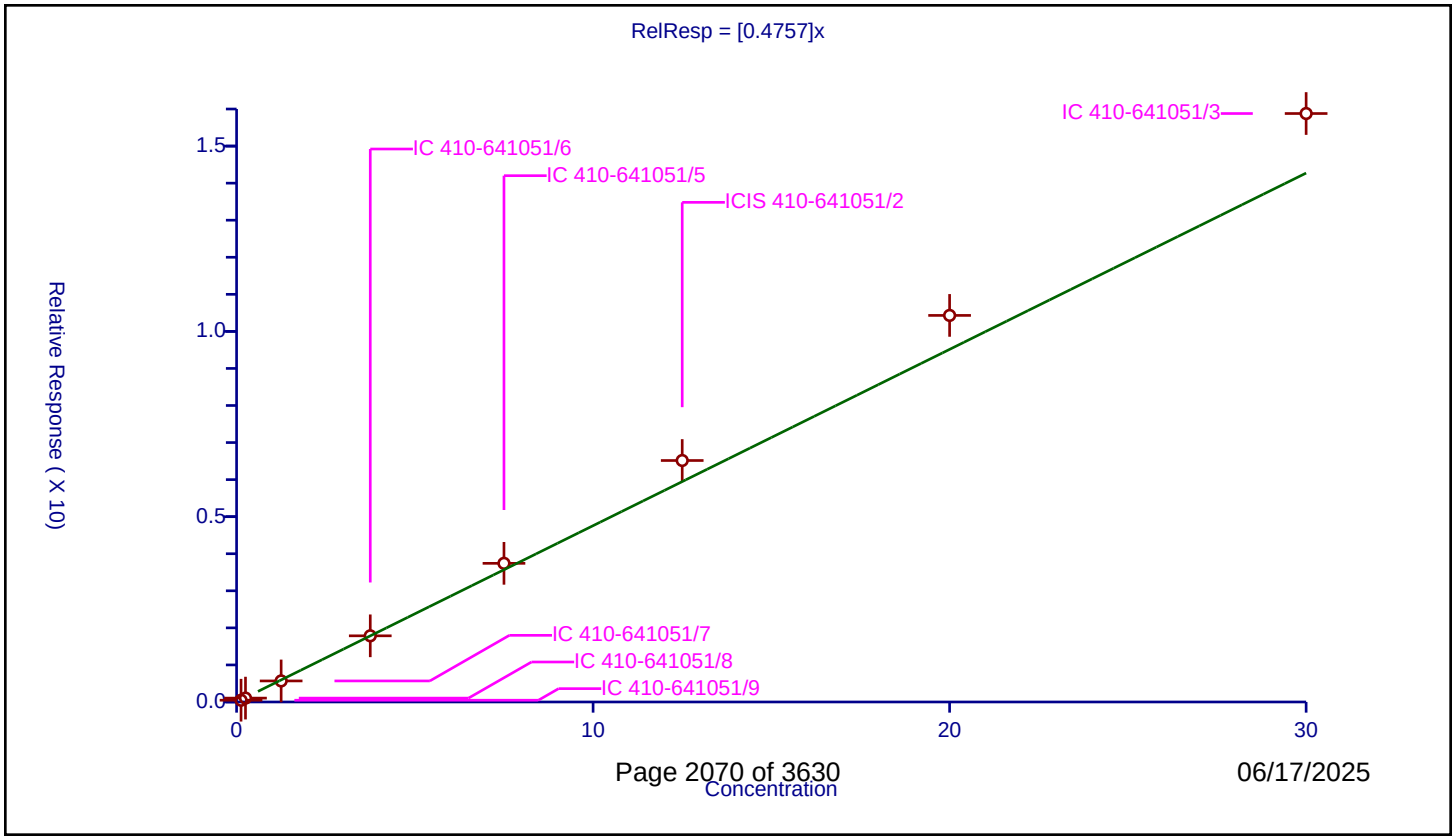
Curve Coefficients

Intercept:	0
Slope:	0.4757

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.048118	5.0	691214.0	0.384946	Y
2	IC 410-641051/8	0.25	0.104892	5.0	678080.0	0.419567	Y
3	IC 410-641051/7	1.25	0.56775	5.0	655447.0	0.4542	Y
4	IC 410-641051/6	3.75	1.785542	5.0	705780.0	0.476145	Y
5	IC 410-641051/5	7.5	3.741334	5.0	699161.0	0.498845	Y
6	ICIS 410-641051/2	12.5	6.515758	5.0	831564.0	0.521261	Y
7	IC 410-641051/4	20.0	10.430574	5.0	737191.0	0.521529	Y
8	IC 410-641051/3	30.0	15.87808	5.0	693092.0	0.529269	Y



Calibration / o,o',o''-Triethylphosphorothioate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

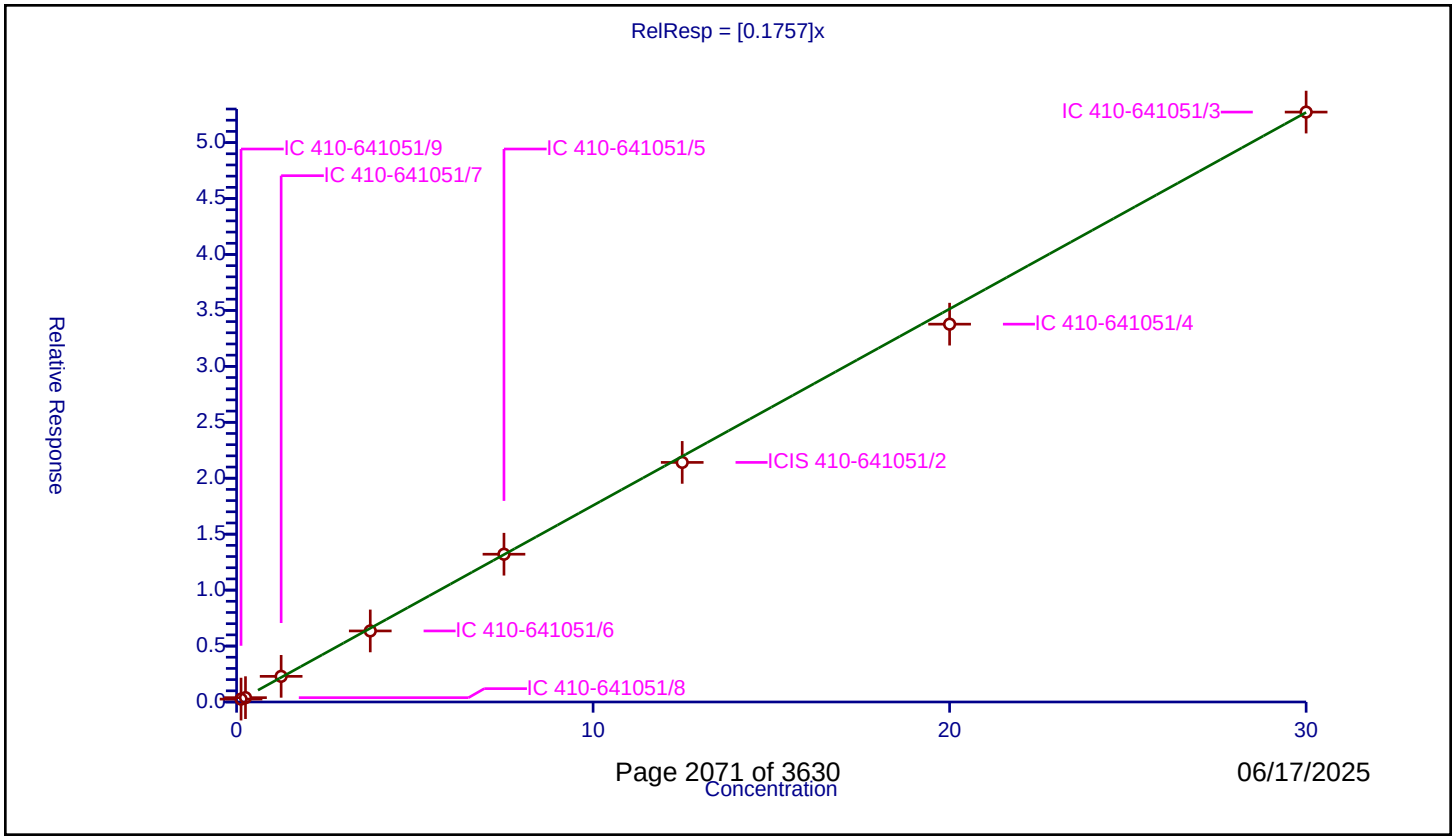
Curve Coefficients

Intercept:	0
Slope:	0.1757

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.025752	5.0	691214.0	0.206014	Y
2	IC 410-641051/8	0.25	0.038631	5.0	678080.0	0.154525	Y
3	IC 410-641051/7	1.25	0.229195	5.0	655447.0	0.183356	Y
4	IC 410-641051/6	3.75	0.634985	5.0	705780.0	0.169329	Y
5	IC 410-641051/5	7.5	1.320912	5.0	699161.0	0.176122	Y
6	ICIS 410-641051/2	12.5	2.141477	5.0	831564.0	0.171318	Y
7	IC 410-641051/4	20.0	3.376995	5.0	737191.0	0.16885	Y
8	IC 410-641051/3	30.0	5.272475	5.0	693092.0	0.175749	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

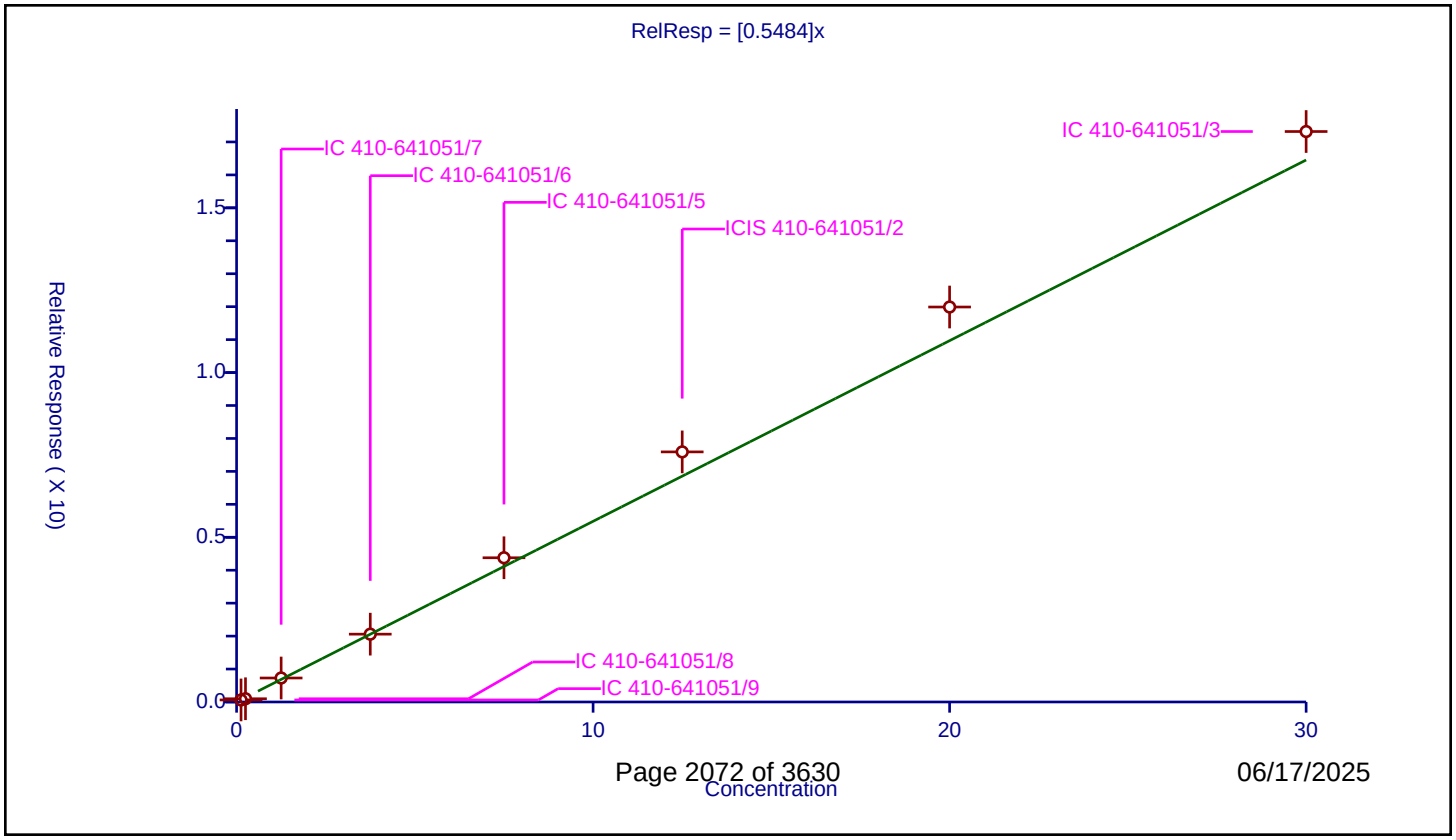
Curve Coefficients

Intercept:	0
Slope:	0.5484

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.061595	5.0	691214.0	0.492756	Y
2	IC 410-641051/8	0.25	0.098698	5.0	678080.0	0.394791	Y
3	IC 410-641051/7	1.25	0.728358	5.0	655447.0	0.582686	Y
4	IC 410-641051/6	3.75	2.059296	5.0	705780.0	0.549146	Y
5	IC 410-641051/5	7.5	4.378198	5.0	699161.0	0.58376	Y
6	ICIS 410-641051/2	12.5	7.591725	5.0	831564.0	0.607338	Y
7	IC 410-641051/4	20.0	11.989918	5.0	737191.0	0.599496	Y
8	IC 410-641051/3	30.0	17.317023	5.0	693092.0	0.577234	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

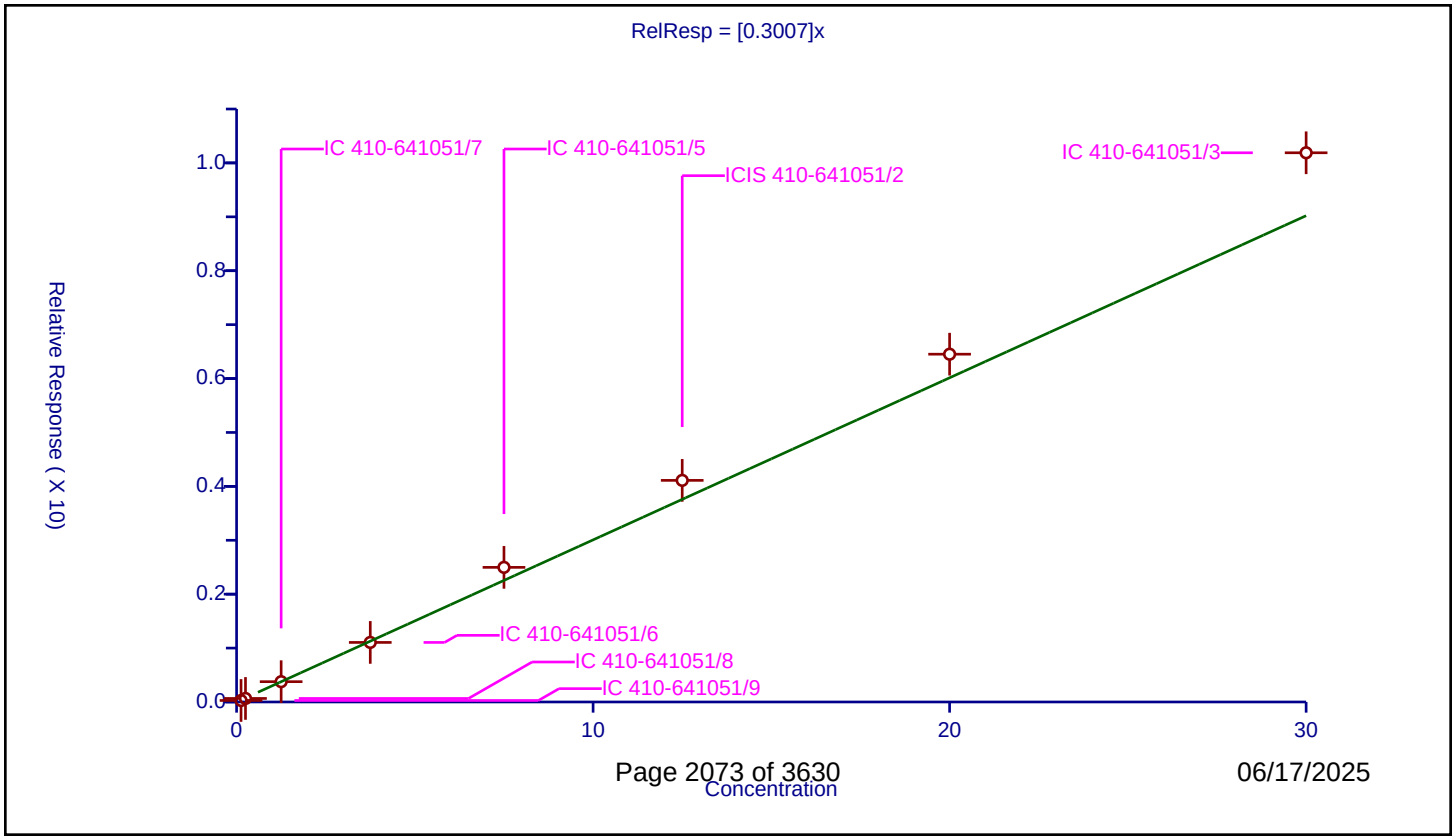
Curve Coefficients

Intercept:	0
Slope:	0.3007

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.027922	5.0	691214.0	0.223375	Y
2	IC 410-641051/8	0.25	0.065494	5.0	678080.0	0.261975	Y
3	IC 410-641051/7	1.25	0.37688	5.0	655447.0	0.301504	Y
4	IC 410-641051/6	3.75	1.105068	5.0	705780.0	0.294685	Y
5	IC 410-641051/5	7.5	2.4973	5.0	699161.0	0.332973	Y
6	ICIS 410-641051/2	12.5	4.110856	5.0	831564.0	0.328868	Y
7	IC 410-641051/4	20.0	6.451768	5.0	737191.0	0.322588	Y
8	IC 410-641051/3	30.0	10.188106	5.0	693092.0	0.339604	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

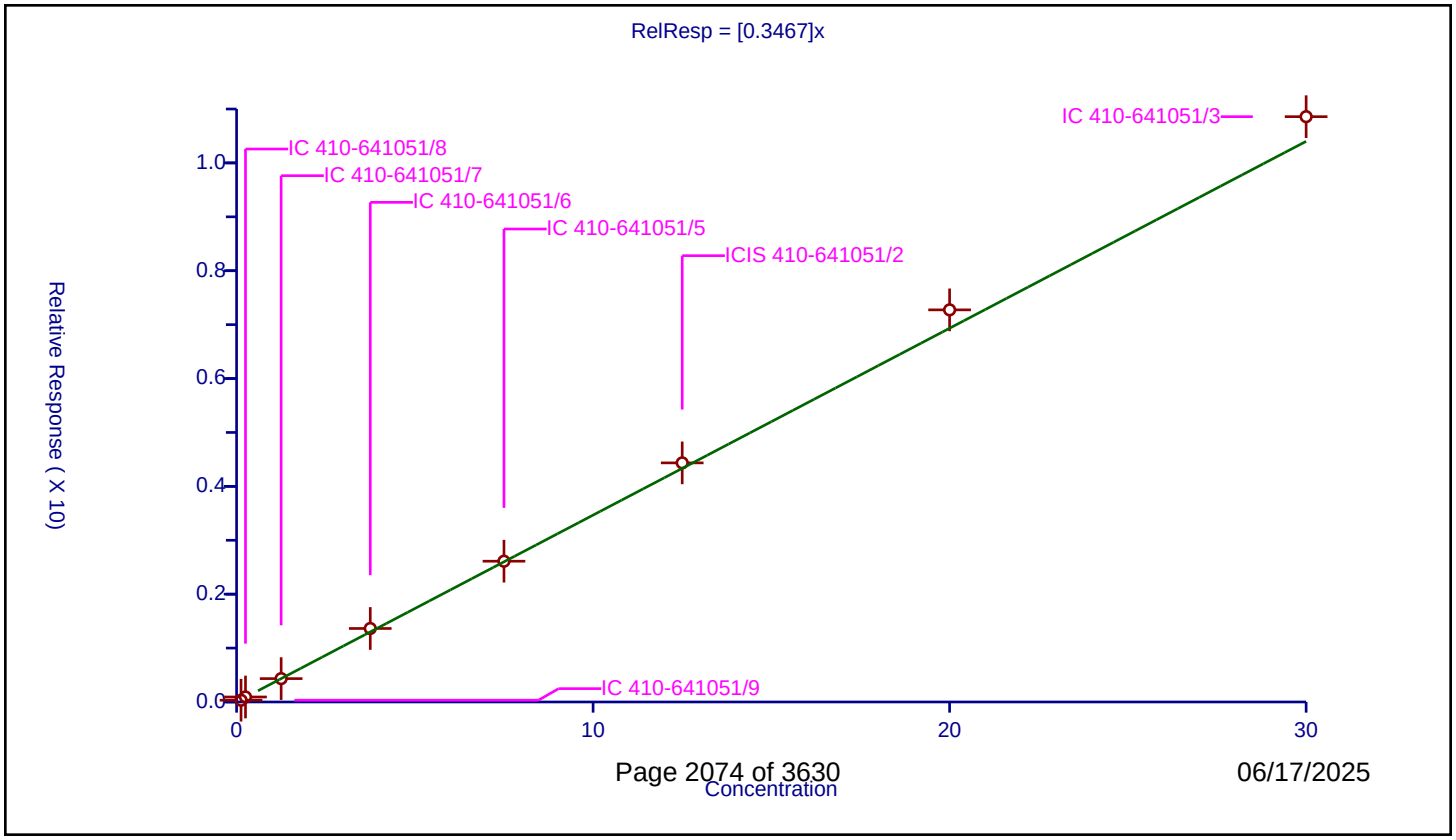
Curve Coefficients

Intercept:	0
Slope:	0.3467

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.032949	5.0	691214.0	0.263594	Y
2	IC 410-641051/8	0.25	0.092637	5.0	678080.0	0.370546	Y
3	IC 410-641051/7	1.25	0.433567	5.0	655447.0	0.346853	Y
4	IC 410-641051/6	3.75	1.363669	5.0	705780.0	0.363645	Y
5	IC 410-641051/5	7.5	2.611895	5.0	699161.0	0.348253	Y
6	ICIS 410-641051/2	12.5	4.435564	5.0	831564.0	0.354845	Y
7	IC 410-641051/4	20.0	7.274139	5.0	737191.0	0.363707	Y
8	IC 410-641051/3	30.0	10.858082	5.0	693092.0	0.361936	Y



06/17/2025

Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

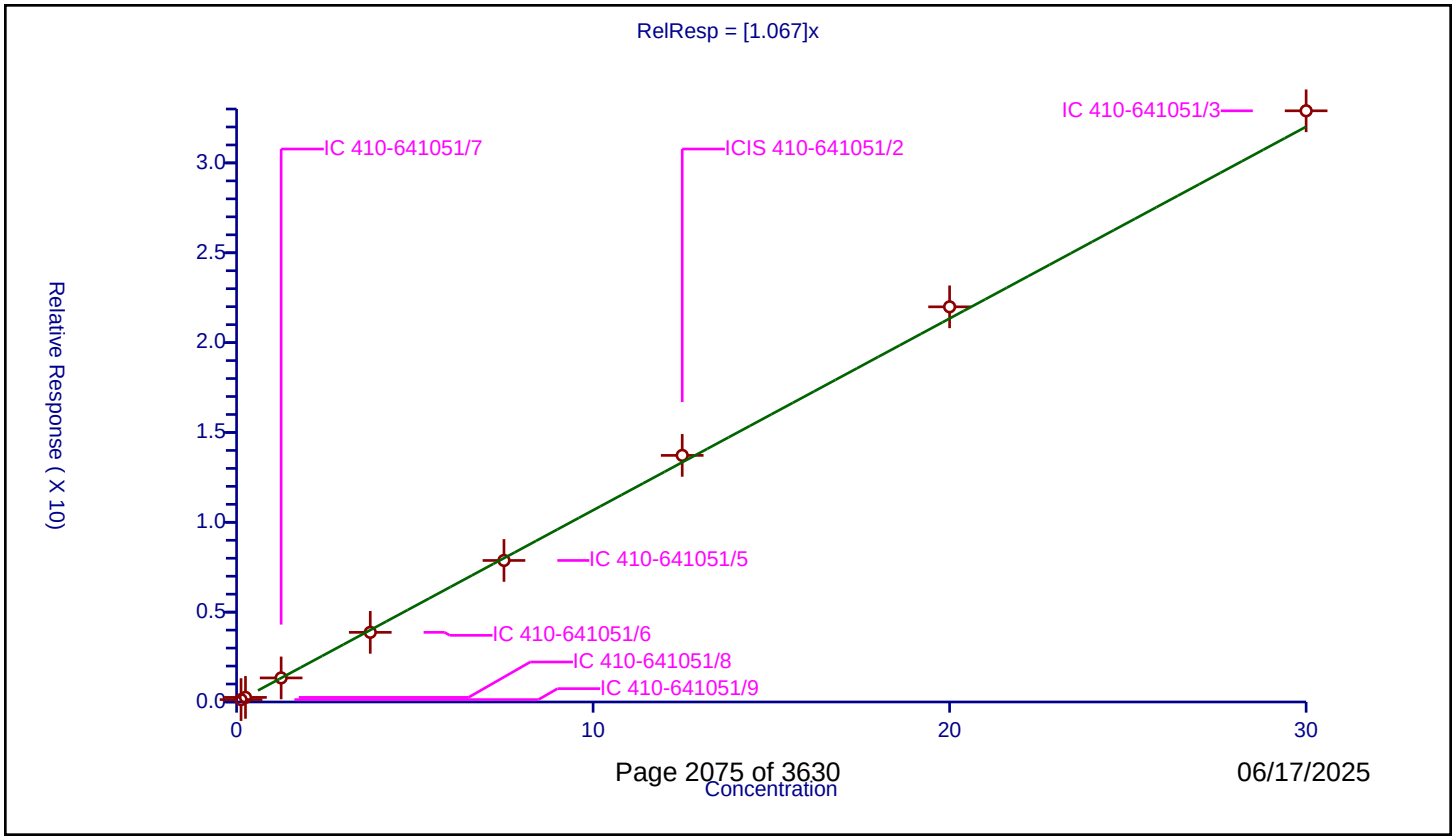
Curve Coefficients

Intercept:	0
Slope:	1.067

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.133099	5.0	691214.0	1.064793	Y
2	IC 410-641051/8	0.25	0.2557	5.0	678080.0	1.0228	Y
3	IC 410-641051/7	1.25	1.339277	5.0	655447.0	1.071421	Y
4	IC 410-641051/6	3.75	3.875939	5.0	705780.0	1.033584	Y
5	IC 410-641051/5	7.5	7.877141	5.0	699161.0	1.050286	Y
6	ICIS 410-641051/2	12.5	13.723929	5.0	831564.0	1.097914	Y
7	IC 410-641051/4	20.0	21.991926	5.0	737191.0	1.099596	Y
8	IC 410-641051/3	30.0	32.89999	5.0	693092.0	1.096666	Y



06/17/2025

Calibration / Alpha-Terpineol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

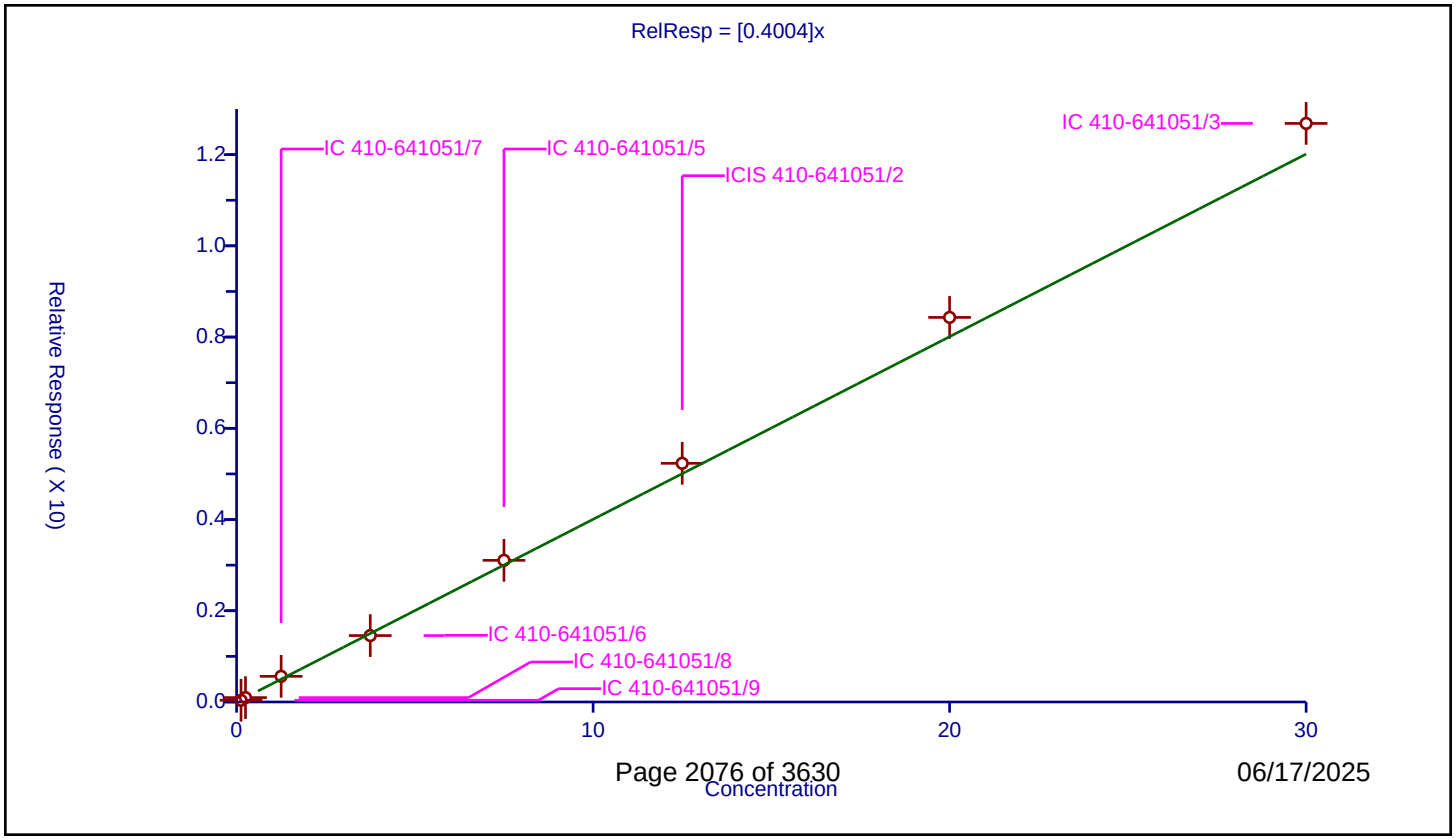
Curve Coefficients

Intercept:	0
Slope:	0.4004

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.037839	5.0	691214.0	0.302714	Y
2	IC 410-641051/8	0.25	0.096228	5.0	678080.0	0.38491	Y
3	IC 410-641051/7	1.25	0.562967	5.0	655447.0	0.450374	Y
4	IC 410-641051/6	3.75	1.456077	5.0	705780.0	0.388287	Y
5	IC 410-641051/5	7.5	3.105644	5.0	699161.0	0.414086	Y
6	ICIS 410-641051/2	12.5	5.232796	5.0	831564.0	0.418624	Y
7	IC 410-641051/4	20.0	8.431444	5.0	737191.0	0.421572	Y
8	IC 410-641051/3	30.0	12.684038	5.0	693092.0	0.422801	Y



Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

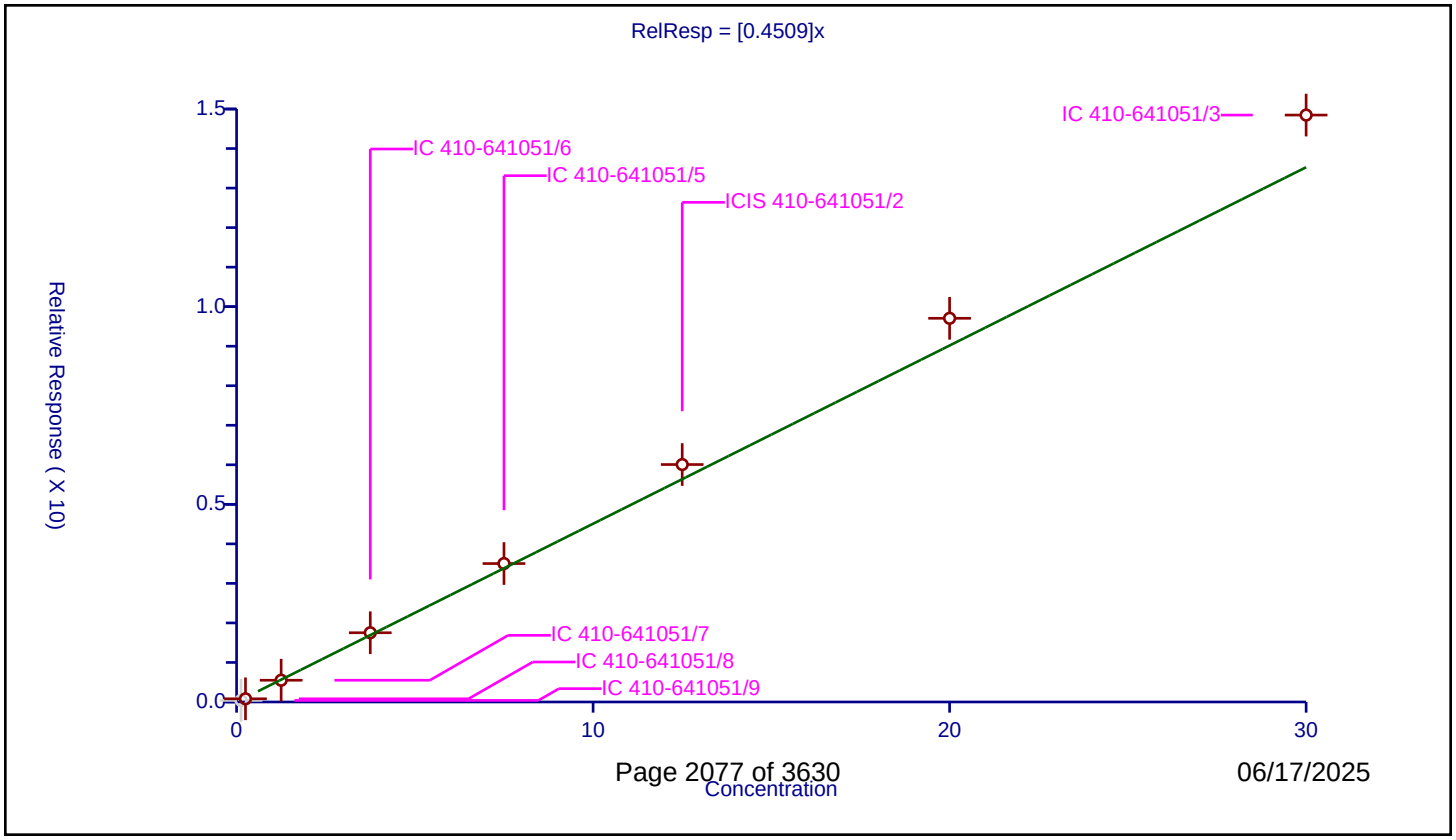
Curve Coefficients

Intercept:	0
Slope:	0.4509

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.040241	5.0	691214.0	0.321926	N
2	IC 410-641051/8	0.25	0.080367	5.0	678080.0	0.321466	Y
3	IC 410-641051/7	1.25	0.550144	5.0	655447.0	0.440115	Y
4	IC 410-641051/6	3.75	1.751509	5.0	705780.0	0.467069	Y
5	IC 410-641051/5	7.5	3.501819	5.0	699161.0	0.466909	Y
6	ICIS 410-641051/2	12.5	6.006603	5.0	831564.0	0.480528	Y
7	IC 410-641051/4	20.0	9.706263	5.0	737191.0	0.485313	Y
8	IC 410-641051/3	30.0	14.846709	5.0	693092.0	0.49489	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

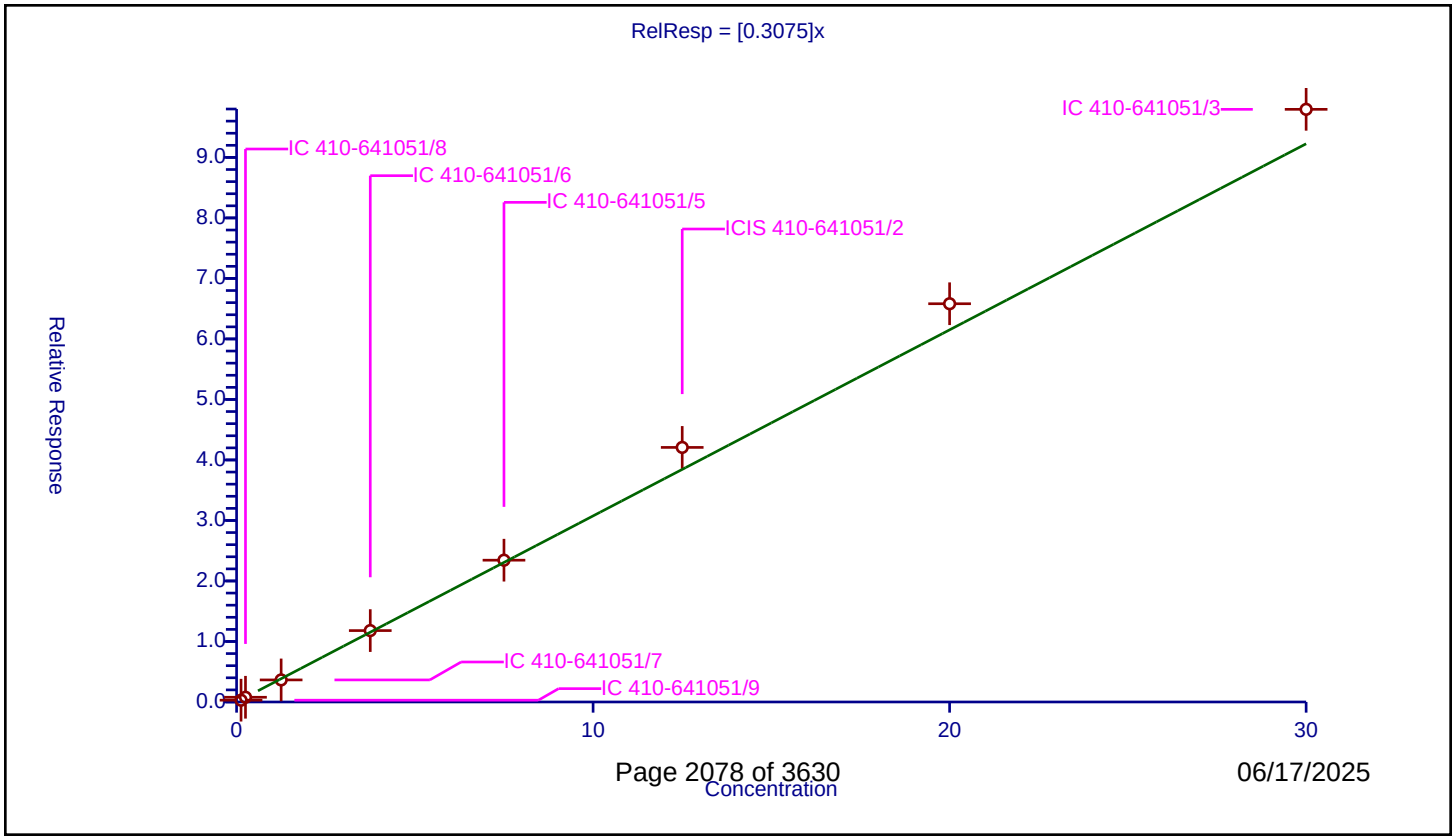
Curve Coefficients

Intercept:	0
Slope:	0.3075

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.029578	5.0	691214.0	0.236627	Y
2	IC 410-641051/8	0.25	0.078118	5.0	678080.0	0.312471	Y
3	IC 410-641051/7	1.25	0.364644	5.0	655447.0	0.291715	Y
4	IC 410-641051/6	3.75	1.17995	5.0	705780.0	0.314653	Y
5	IC 410-641051/5	7.5	2.34353	5.0	699161.0	0.312471	Y
6	ICIS 410-641051/2	12.5	4.207457	5.0	831564.0	0.336597	Y
7	IC 410-641051/4	20.0	6.581754	5.0	737191.0	0.329088	Y
8	IC 410-641051/3	30.0	9.794804	5.0	693092.0	0.326493	Y



Calibration / Hexachloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

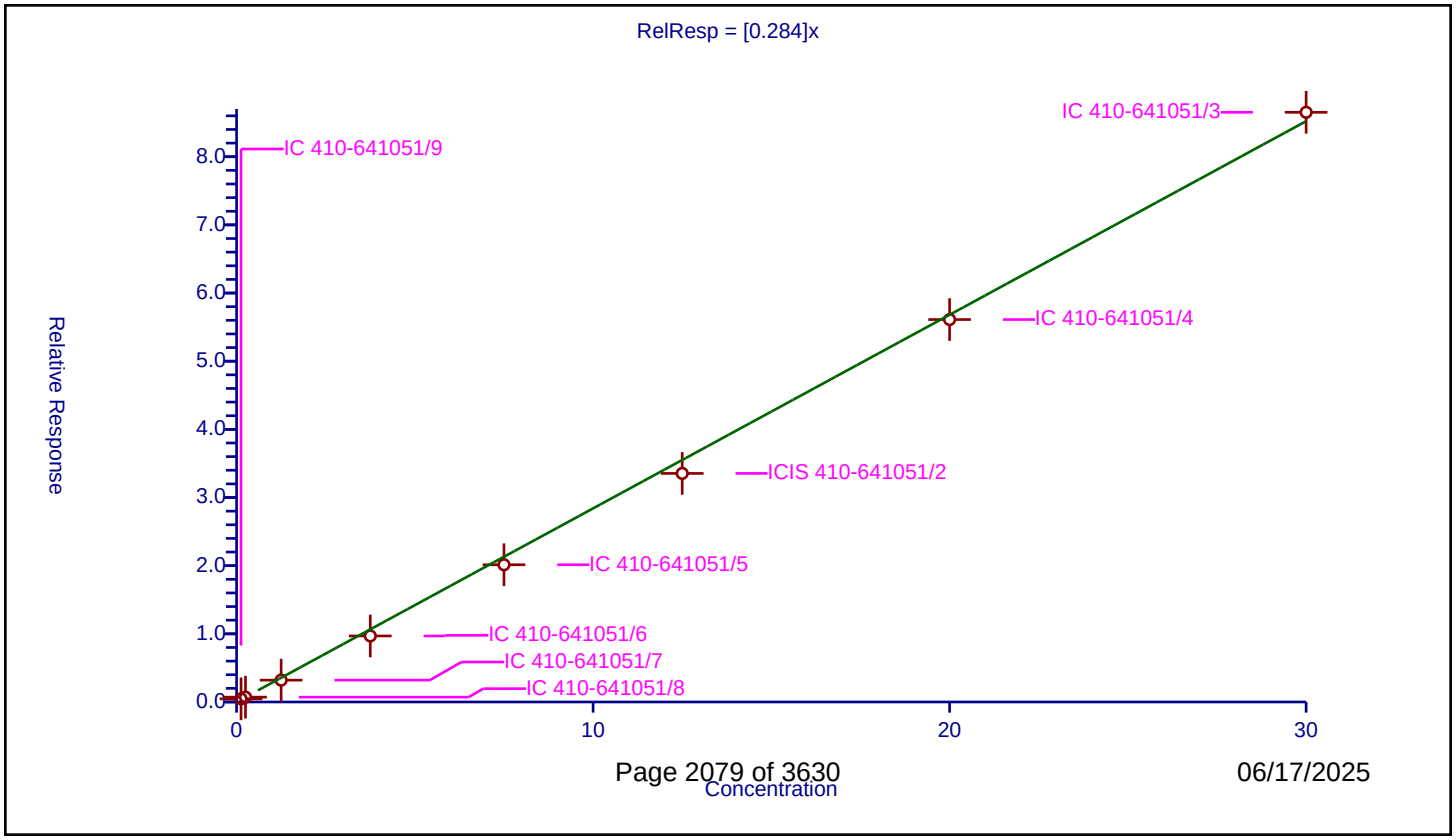
Curve Coefficients

Intercept:	0
Slope:	0.284

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.046049	5.0	691214.0	0.368395	Y
2	IC 410-641051/8	0.25	0.070899	5.0	678080.0	0.283595	Y
3	IC 410-641051/7	1.25	0.320346	5.0	655447.0	0.256277	Y
4	IC 410-641051/6	3.75	0.968744	5.0	705780.0	0.258332	Y
5	IC 410-641051/5	7.5	2.013571	5.0	699161.0	0.268476	Y
6	ICIS 410-641051/2	12.5	3.353488	5.0	831564.0	0.268279	Y
7	IC 410-641051/4	20.0	5.611103	5.0	737191.0	0.280555	Y
8	IC 410-641051/3	30.0	8.651781	5.0	693092.0	0.288393	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

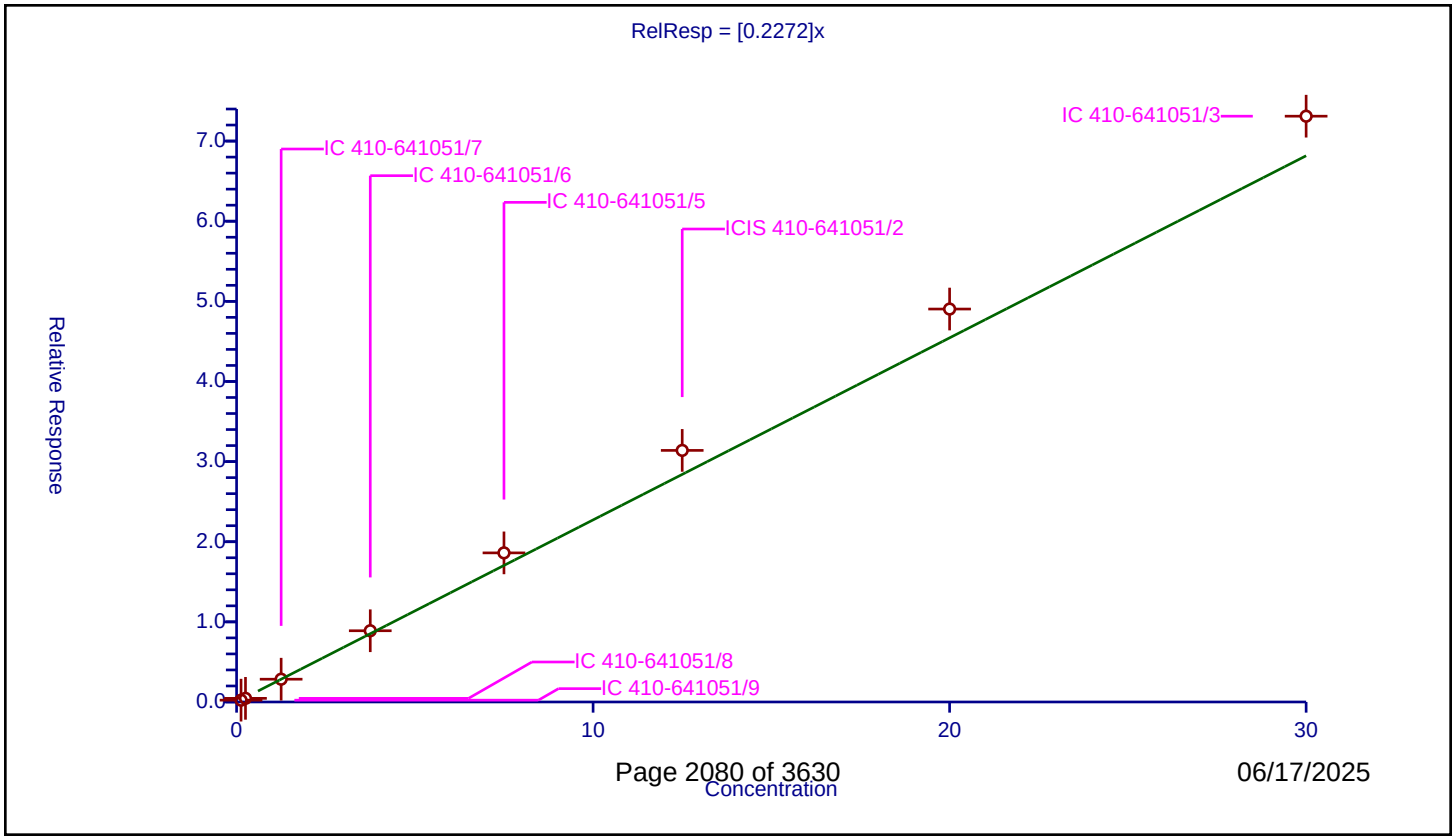
Curve Coefficients

Intercept:	0
Slope:	0.2272

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.022909	5.0	691214.0	0.183272	Y
2	IC 410-641051/8	0.25	0.045467	5.0	678080.0	0.181866	Y
3	IC 410-641051/7	1.25	0.284287	5.0	655447.0	0.22743	Y
4	IC 410-641051/6	3.75	0.888875	5.0	705780.0	0.237033	Y
5	IC 410-641051/5	7.5	1.860902	5.0	699161.0	0.24812	Y
6	ICIS 410-641051/2	12.5	3.139518	5.0	831564.0	0.251161	Y
7	IC 410-641051/4	20.0	4.903682	5.0	737191.0	0.245184	Y
8	IC 410-641051/3	30.0	7.31035	5.0	693092.0	0.243678	Y



Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

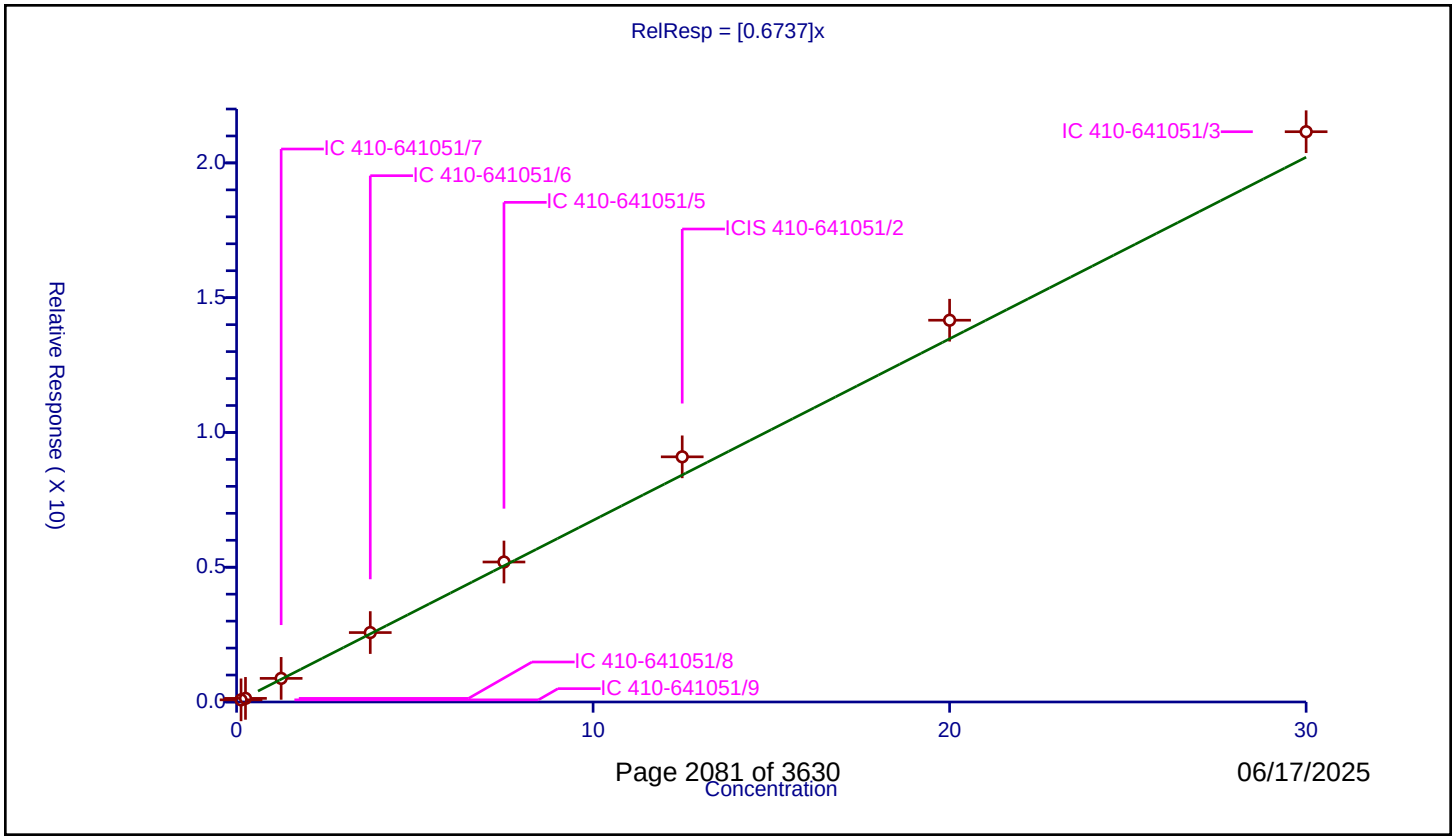
Curve Coefficients

Intercept:	0
Slope:	0.6737

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.079172	5.0	691214.0	0.633378	Y
2	IC 410-641051/8	0.25	0.133804	5.0	678080.0	0.535217	Y
3	IC 410-641051/7	1.25	0.87599	5.0	655447.0	0.700792	Y
4	IC 410-641051/6	3.75	2.575611	5.0	705780.0	0.68683	Y
5	IC 410-641051/5	7.5	5.194161	5.0	699161.0	0.692555	Y
6	ICIS 410-641051/2	12.5	9.095987	5.0	831564.0	0.727679	Y
7	IC 410-641051/4	20.0	14.163948	5.0	737191.0	0.708197	Y
8	IC 410-641051/3	30.0	21.158266	5.0	693092.0	0.705276	Y



Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

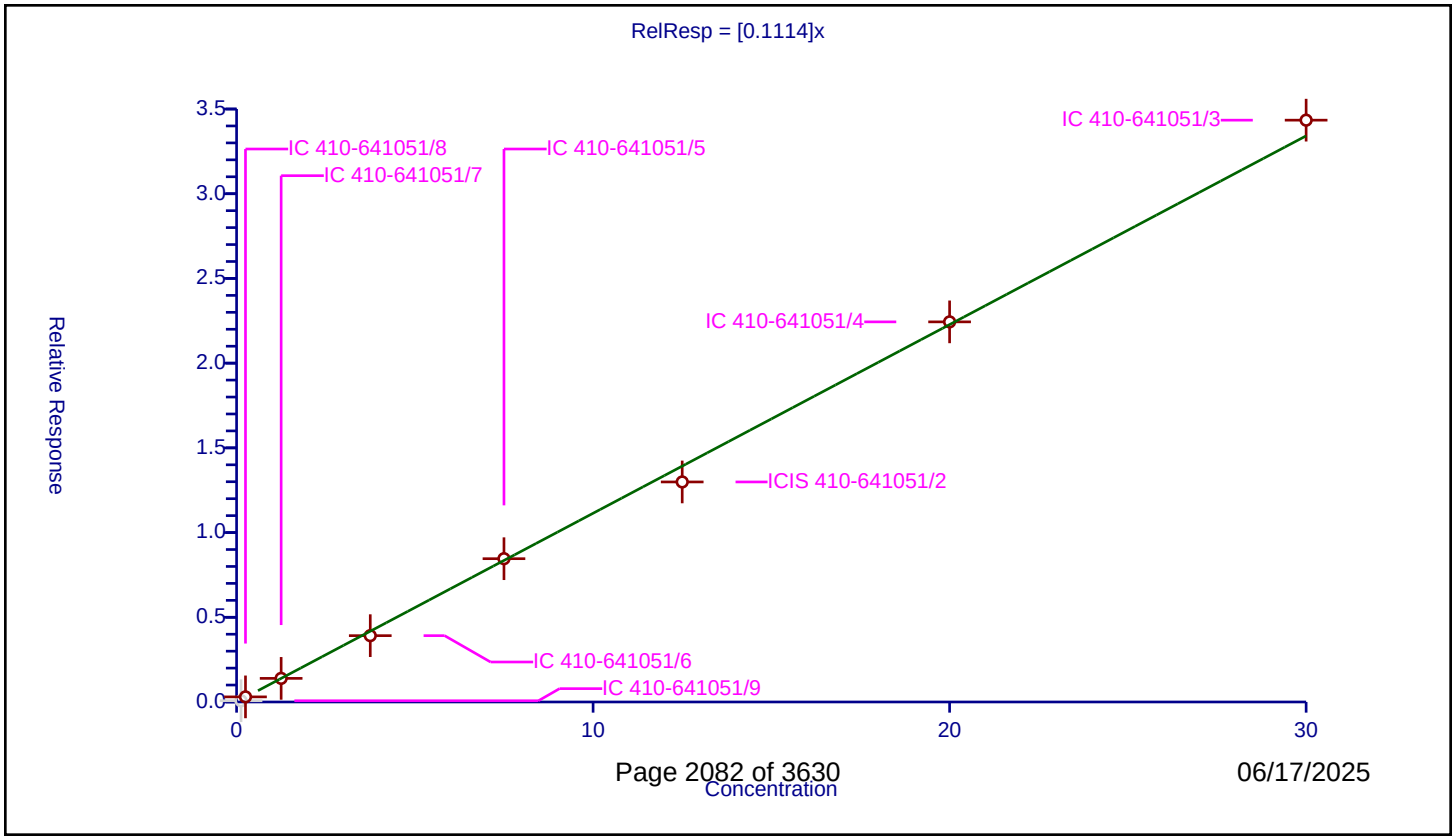
Curve Coefficients

Intercept:	0
Slope:	0.1114

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.007292	5.0	691214.0	0.058332	N
2	IC 410-641051/8	0.25	0.030107	5.0	678080.0	0.120428	Y
3	IC 410-641051/7	1.25	0.139432	5.0	655447.0	0.111545	Y
4	IC 410-641051/6	3.75	0.391461	5.0	705780.0	0.104389	Y
5	IC 410-641051/5	7.5	0.84585	5.0	699161.0	0.11278	Y
6	ICIS 410-641051/2	12.5	1.298788	5.0	831564.0	0.103903	Y
7	IC 410-641051/4	20.0	2.243632	5.0	737191.0	0.112182	Y
8	IC 410-641051/3	30.0	3.434191	5.0	693092.0	0.114473	Y



Calibration / N-Nitrosodi-n-butylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

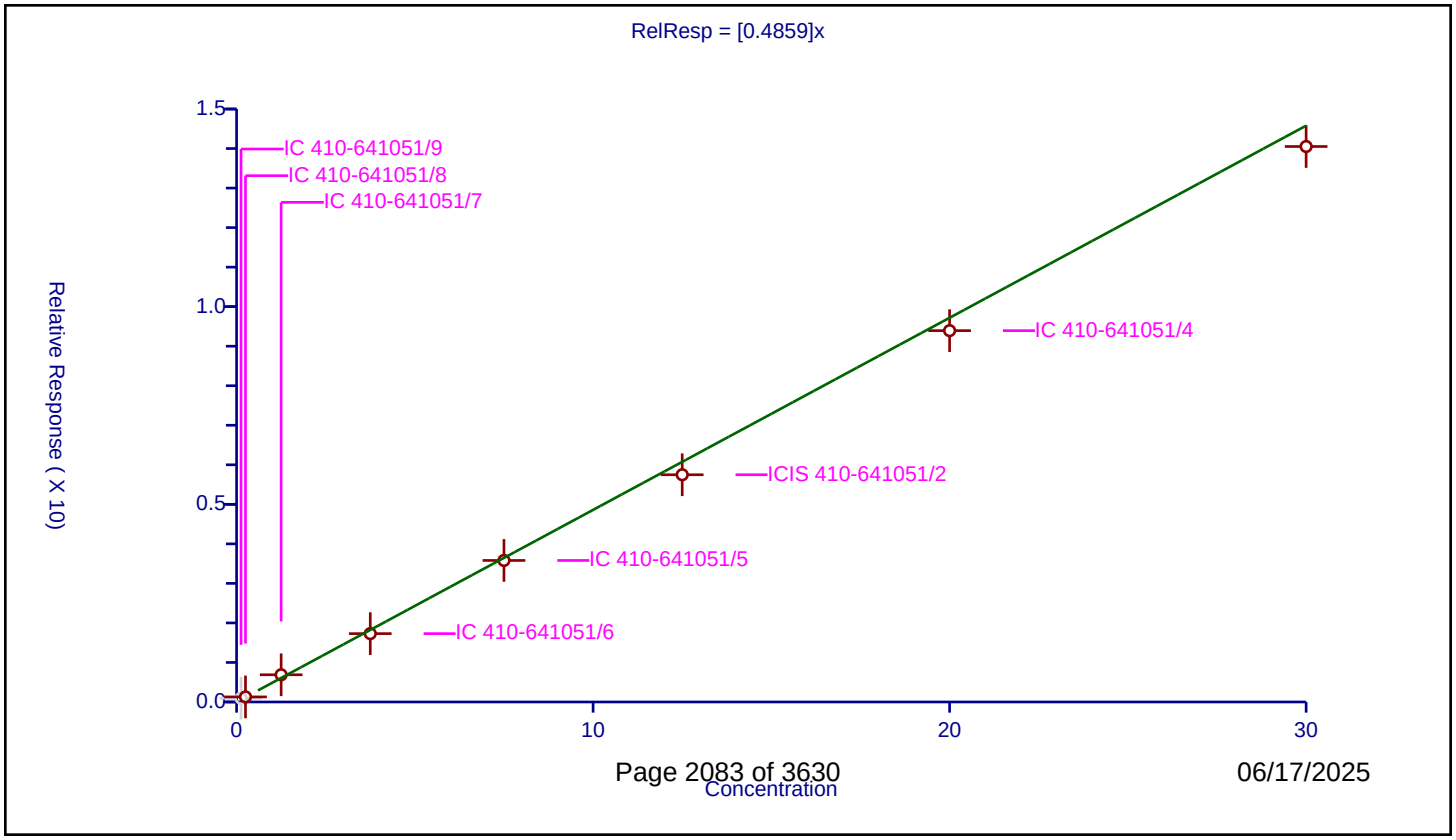
Curve Coefficients

Intercept:	0
Slope:	0.4859

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.095144	5.0	691214.0	0.761154	N
2	IC 410-641051/8	0.25	0.128643	5.0	678080.0	0.514571	Y
3	IC 410-641051/7	1.25	0.688255	5.0	655447.0	0.550604	Y
4	IC 410-641051/6	3.75	1.729257	5.0	705780.0	0.461135	Y
5	IC 410-641051/5	7.5	3.58037	5.0	699161.0	0.477383	Y
6	ICIS 410-641051/2	12.5	5.748493	5.0	831564.0	0.459879	Y
7	IC 410-641051/4	20.0	9.39359	5.0	737191.0	0.469679	Y
8	IC 410-641051/3	30.0	14.051677	5.0	693092.0	0.468389	Y



Calibration / p-Phenylene diamine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

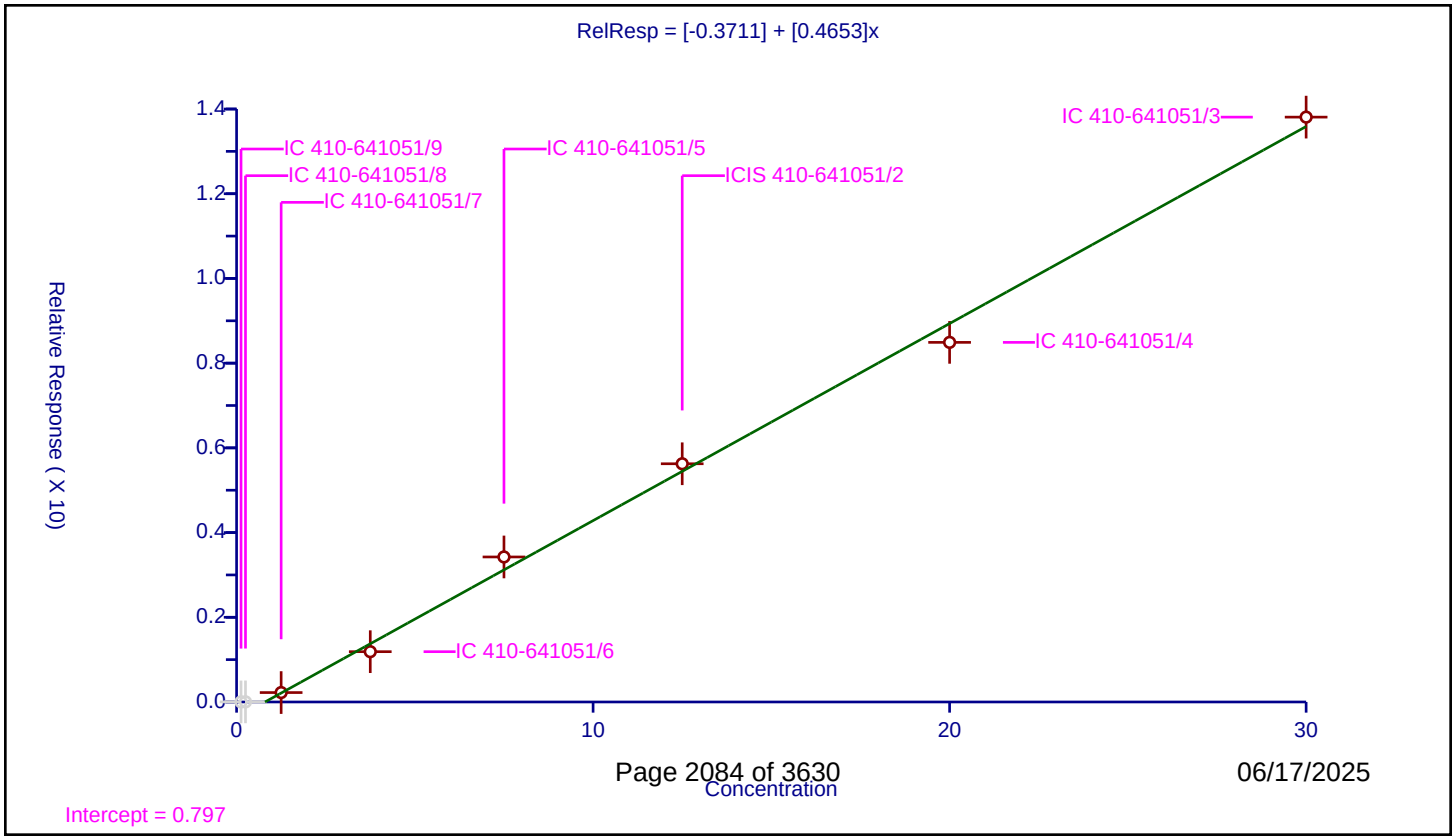
Curve Coefficients

Intercept:	-0.3711
Slope:	0.4653

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.001317	5.0	691214.0	0.010532	N
2	IC 410-641051/8	0.25	0.002913	5.0	678080.0	0.011651	N
3	IC 410-641051/7	1.25	0.222291	5.0	655447.0	0.177833	Y
4	IC 410-641051/6	3.75	1.187849	5.0	705780.0	0.31676	Y
5	IC 410-641051/5	7.5	3.424075	5.0	699161.0	0.456543	Y
6	ICIS 410-641051/2	12.5	5.624306	5.0	831564.0	0.449944	Y
7	IC 410-641051/4	20.0	8.49052	5.0	737191.0	0.424526	Y
8	IC 410-641051/3	30.0	13.808383	5.0	693092.0	0.460279	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

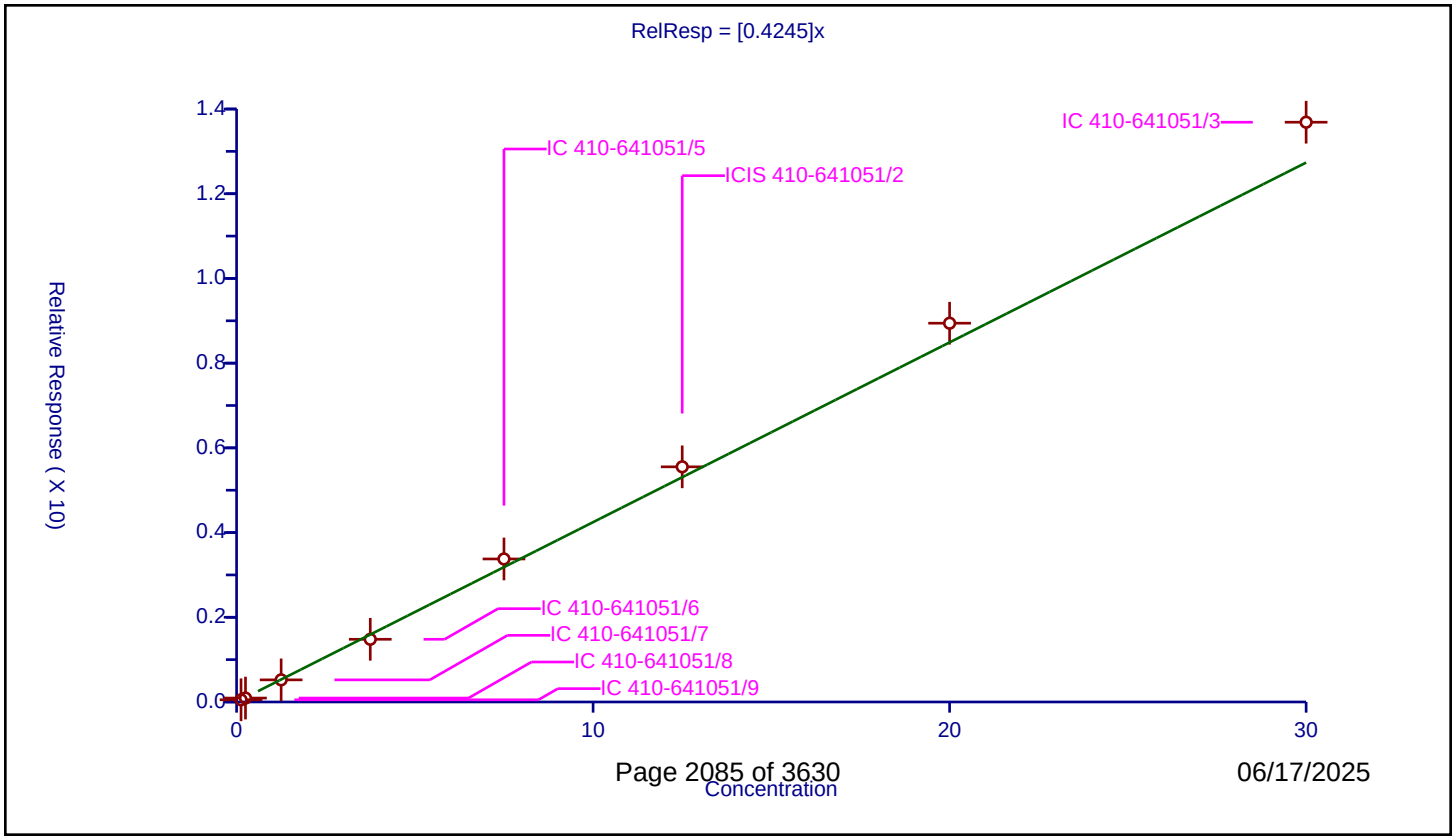
Curve Coefficients

Intercept:	0
Slope:	0.4245

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.051858	5.0	691214.0	0.414864	Y
2	IC 410-641051/8	0.25	0.092762	5.0	678080.0	0.371048	Y
3	IC 410-641051/7	1.25	0.522048	5.0	655447.0	0.417639	Y
4	IC 410-641051/6	3.75	1.480199	5.0	705780.0	0.39472	Y
5	IC 410-641051/5	7.5	3.376654	5.0	699161.0	0.450221	Y
6	ICIS 410-641051/2	12.5	5.552212	5.0	831564.0	0.444177	Y
7	IC 410-641051/4	20.0	8.942961	5.0	737191.0	0.447148	Y
8	IC 410-641051/3	30.0	13.688486	5.0	693092.0	0.456283	Y



Calibration / Safrole, Total

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

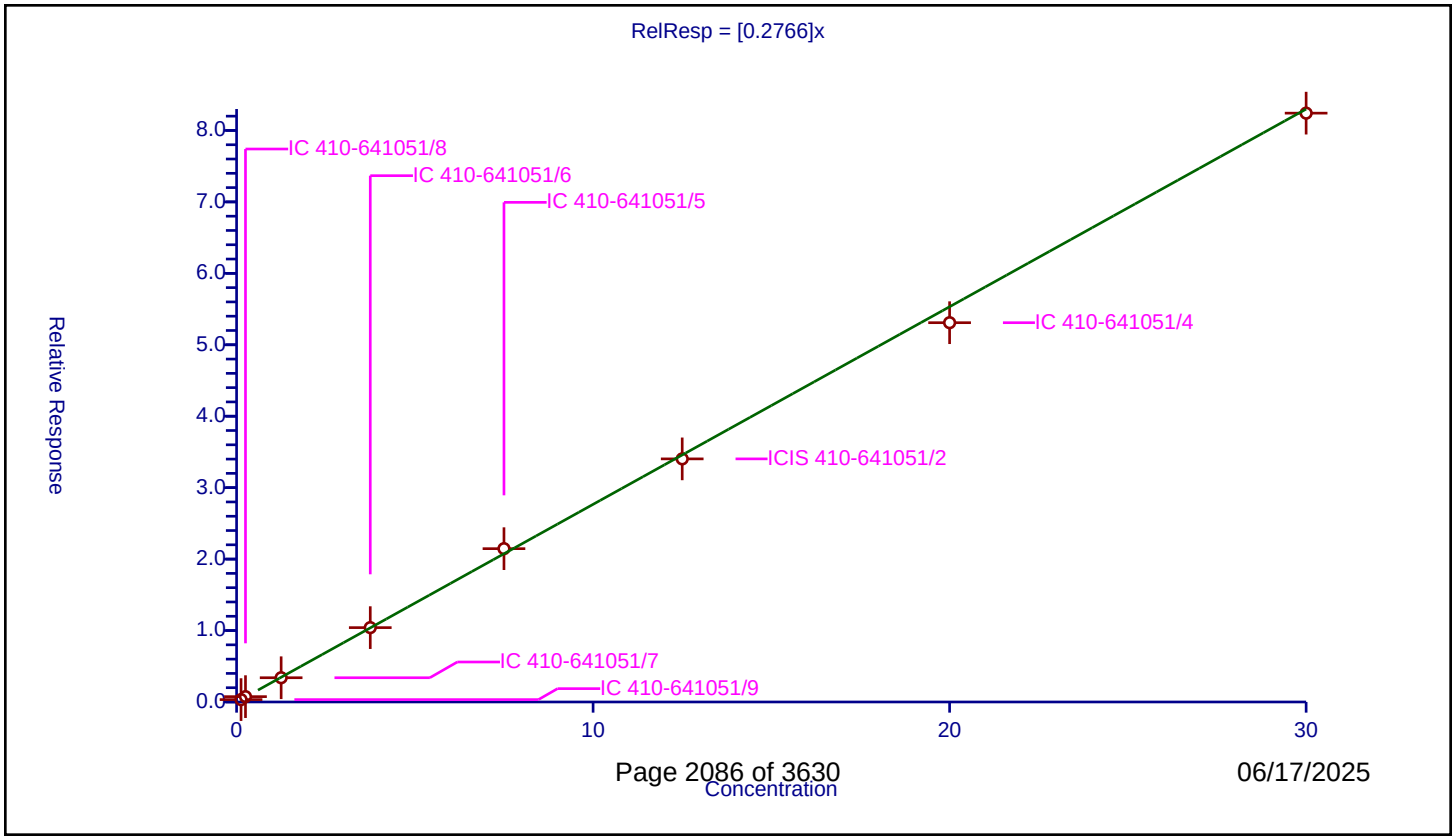
Curve Coefficients

Intercept:	0
Slope:	0.2766

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.033253	5.0	691214.0	0.266025	Y
2	IC 410-641051/8	0.25	0.074822	5.0	678080.0	0.299286	Y
3	IC 410-641051/7	1.25	0.339448	5.0	655447.0	0.271558	Y
4	IC 410-641051/6	3.75	1.040905	5.0	705780.0	0.277575	Y
5	IC 410-641051/5	7.5	2.146115	5.0	699161.0	0.286149	Y
6	ICIS 410-641051/2	12.5	3.402679	5.0	831564.0	0.272214	Y
7	IC 410-641051/4	20.0	5.309235	5.0	737191.0	0.265462	Y
8	IC 410-641051/3	30.0	8.242217	5.0	693092.0	0.274741	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

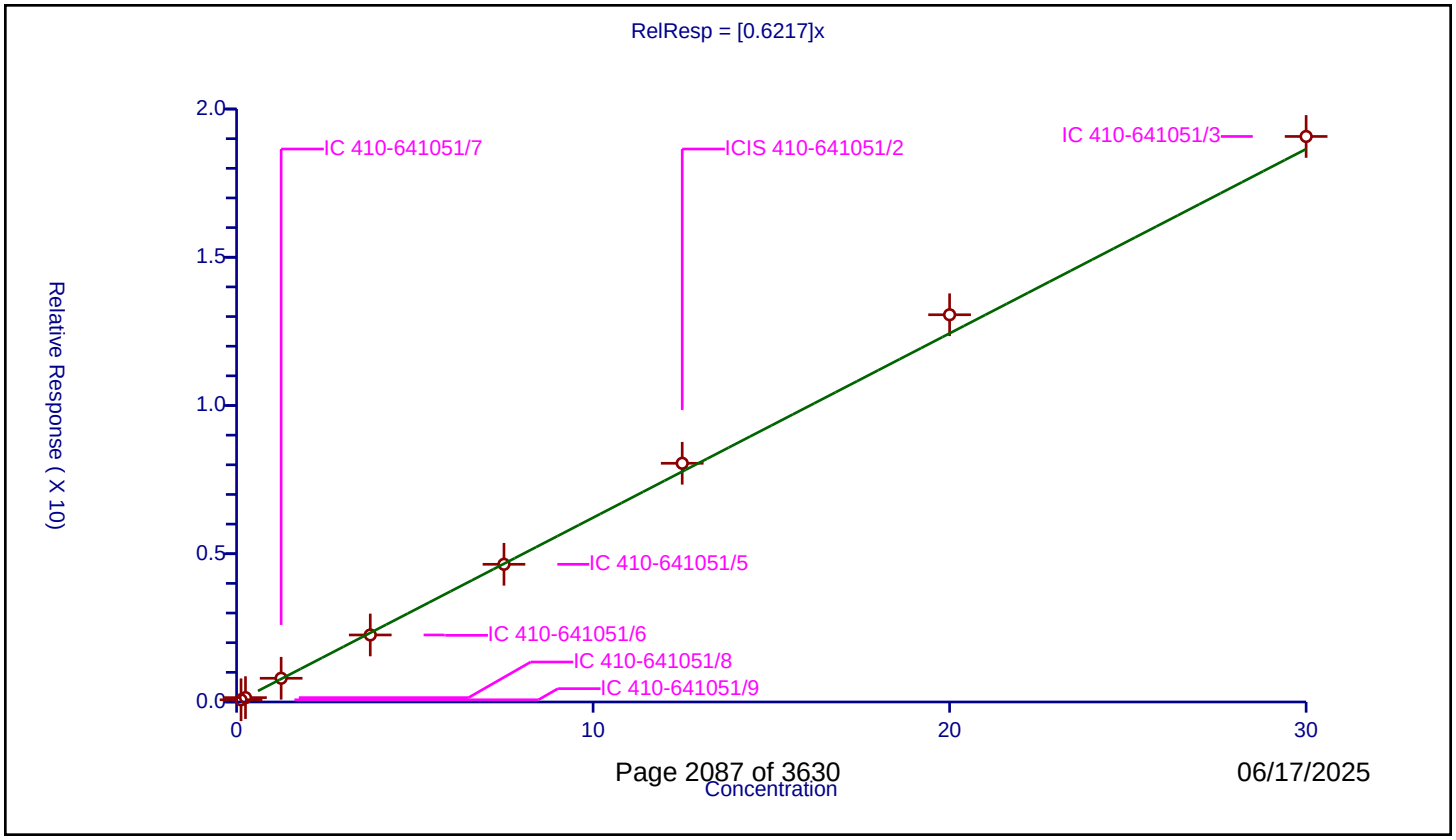
Curve Coefficients

Intercept:	0
Slope:	0.6217

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.073783	5.0	691214.0	0.590266	Y
2	IC 410-641051/8	0.25	0.146996	5.0	678080.0	0.587984	Y
3	IC 410-641051/7	1.25	0.800179	5.0	655447.0	0.640143	Y
4	IC 410-641051/6	3.75	2.260726	5.0	705780.0	0.60286	Y
5	IC 410-641051/5	7.5	4.644009	5.0	699161.0	0.619201	Y
6	ICIS 410-641051/2	12.5	8.051094	5.0	831564.0	0.644088	Y
7	IC 410-641051/4	20.0	13.060699	5.0	737191.0	0.653035	Y
8	IC 410-641051/3	30.0	19.074878	5.0	693092.0	0.635829	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

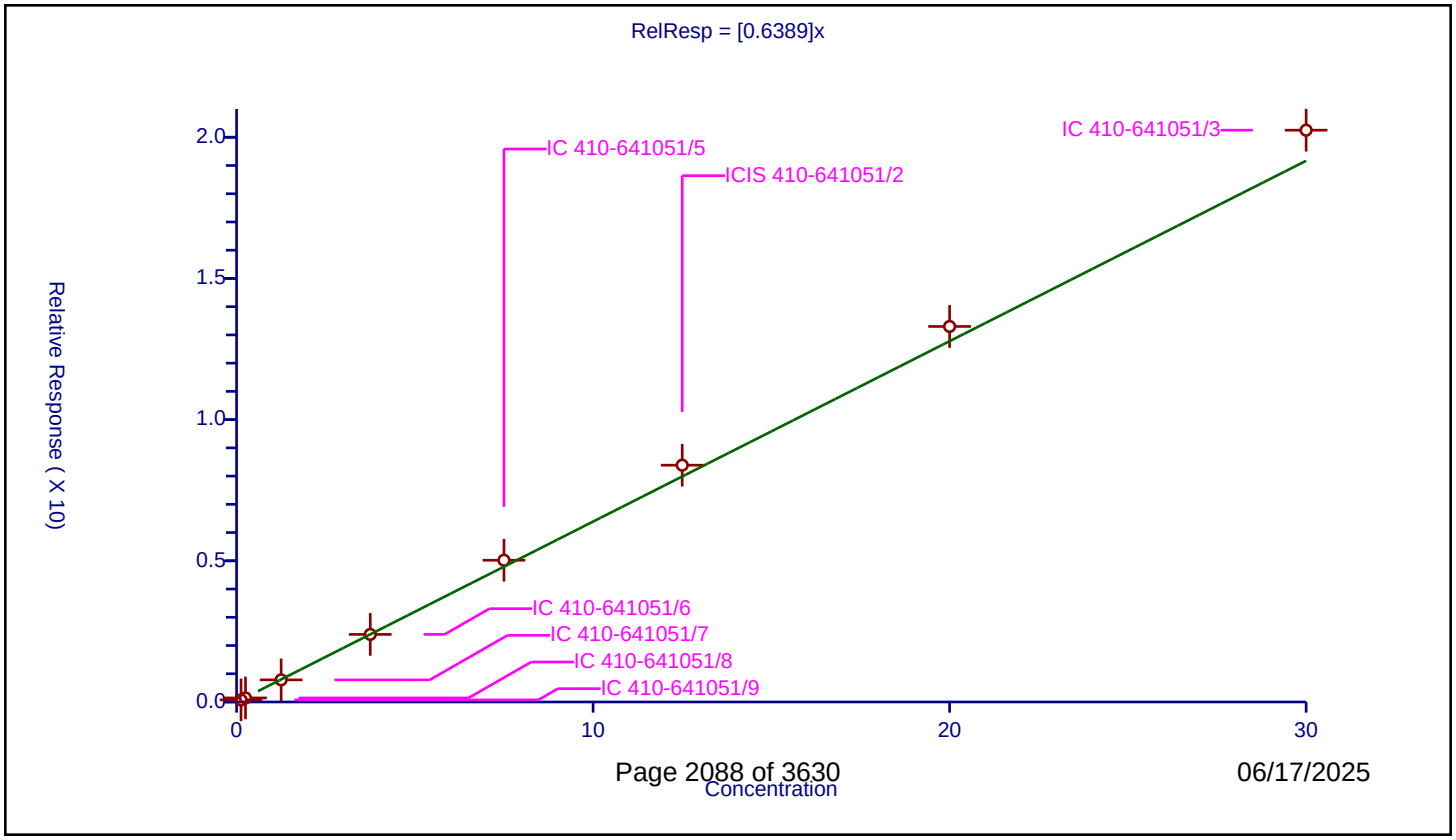
Curve Coefficients

Intercept:	0
Slope:	0.6389

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.074478	5.0	691214.0	0.595821	Y
2	IC 410-641051/8	0.25	0.142616	5.0	678080.0	0.570464	Y
3	IC 410-641051/7	1.25	0.783145	5.0	655447.0	0.626516	Y
4	IC 410-641051/6	3.75	2.393444	5.0	705780.0	0.638252	Y
5	IC 410-641051/5	7.5	5.019902	5.0	699161.0	0.66932	Y
6	ICIS 410-641051/2	12.5	8.38663	5.0	831564.0	0.67093	Y
7	IC 410-641051/4	20.0	13.299328	5.0	737191.0	0.664966	Y
8	IC 410-641051/3	30.0	20.249685	5.0	693092.0	0.67499	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

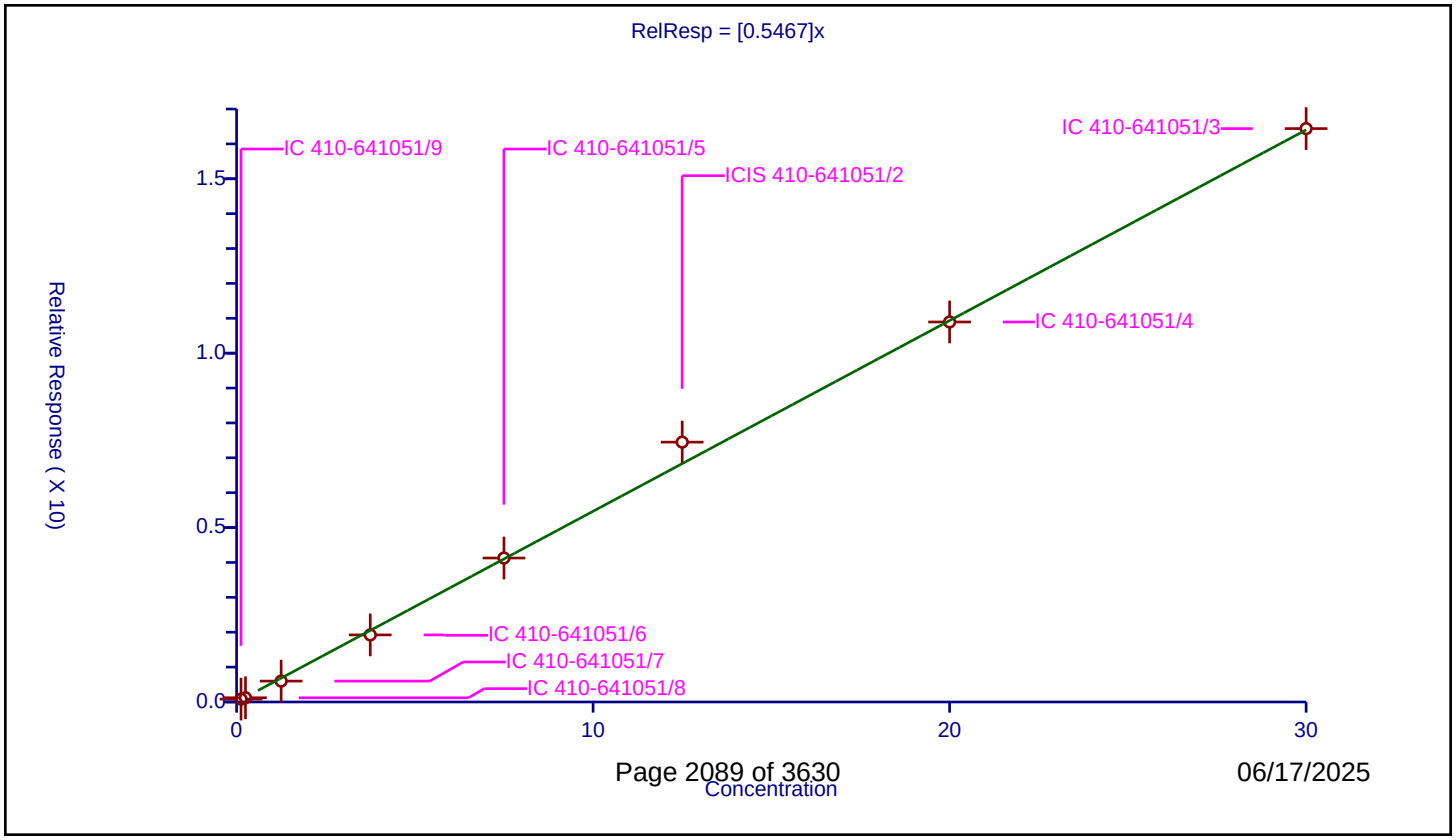
Curve Coefficients

Intercept:	0
Slope:	0.5467

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.082172	5.0	379811.0	0.65738	Y
2	IC 410-641051/8	0.25	0.12142	5.0	385891.0	0.485681	Y
3	IC 410-641051/7	1.25	0.598833	5.0	394242.0	0.479066	Y
4	IC 410-641051/6	3.75	1.922912	5.0	424307.0	0.512777	Y
5	IC 410-641051/5	7.5	4.127517	5.0	403979.0	0.550336	Y
6	ICIS 410-641051/2	12.5	7.449488	5.0	463358.0	0.595959	Y
7	IC 410-641051/4	20.0	10.894521	5.0	437793.0	0.544726	Y
8	IC 410-641051/3	30.0	16.438506	5.0	411545.0	0.54795	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

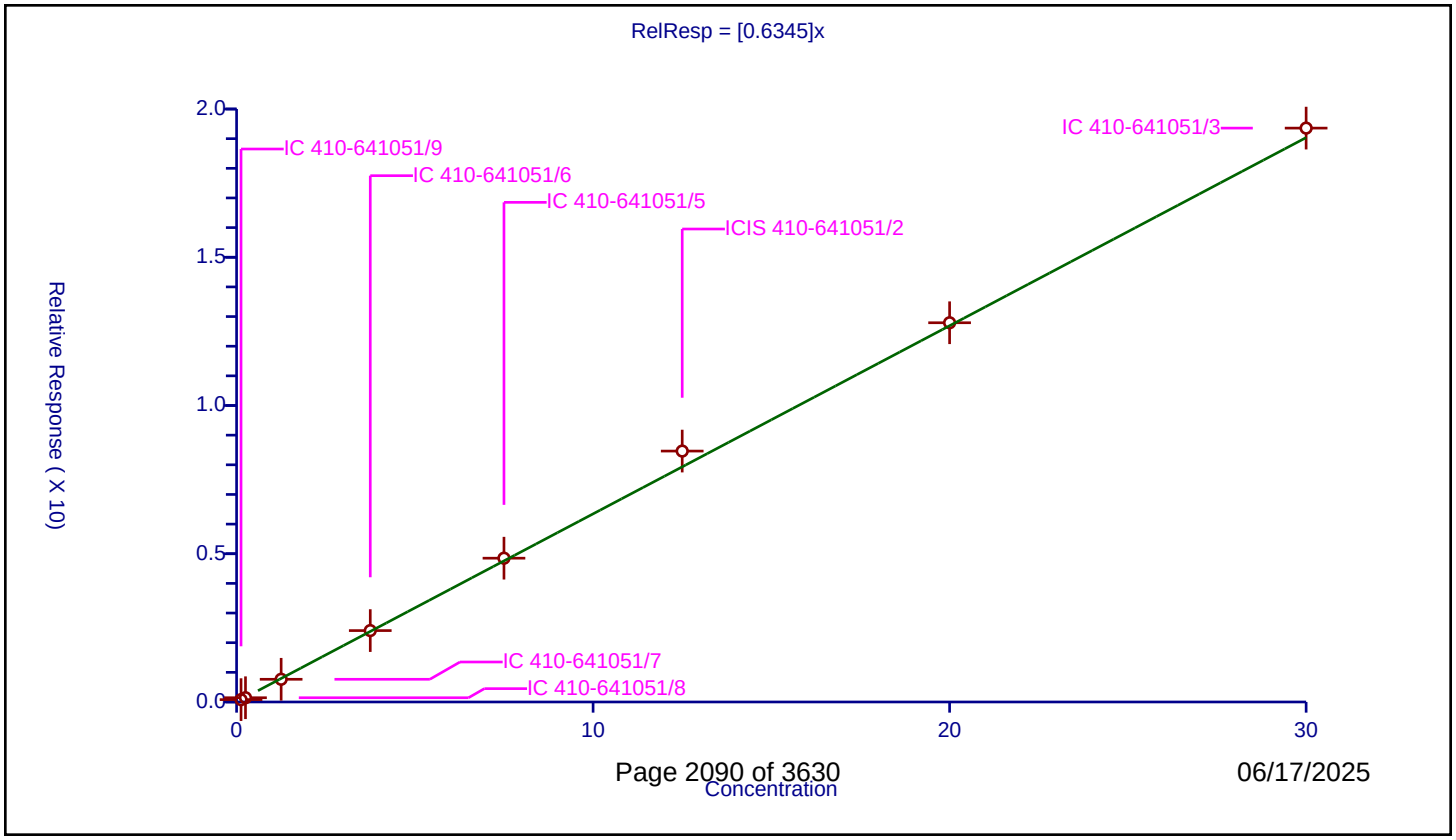
Curve Coefficients

Intercept:	0
Slope:	0.6345

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.079763	5.0	379811.0	0.638107	Y
2	IC 410-641051/8	0.25	0.143758	5.0	385891.0	0.575033	Y
3	IC 410-641051/7	1.25	0.765469	5.0	394242.0	0.612375	Y
4	IC 410-641051/6	3.75	2.408233	5.0	424307.0	0.642195	Y
5	IC 410-641051/5	7.5	4.849943	5.0	403979.0	0.646659	Y
6	ICIS 410-641051/2	12.5	8.462808	5.0	463358.0	0.677025	Y
7	IC 410-641051/4	20.0	12.79084	5.0	437793.0	0.639542	Y
8	IC 410-641051/3	30.0	19.356036	5.0	411545.0	0.645201	Y



Calibration / Isosafrole Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

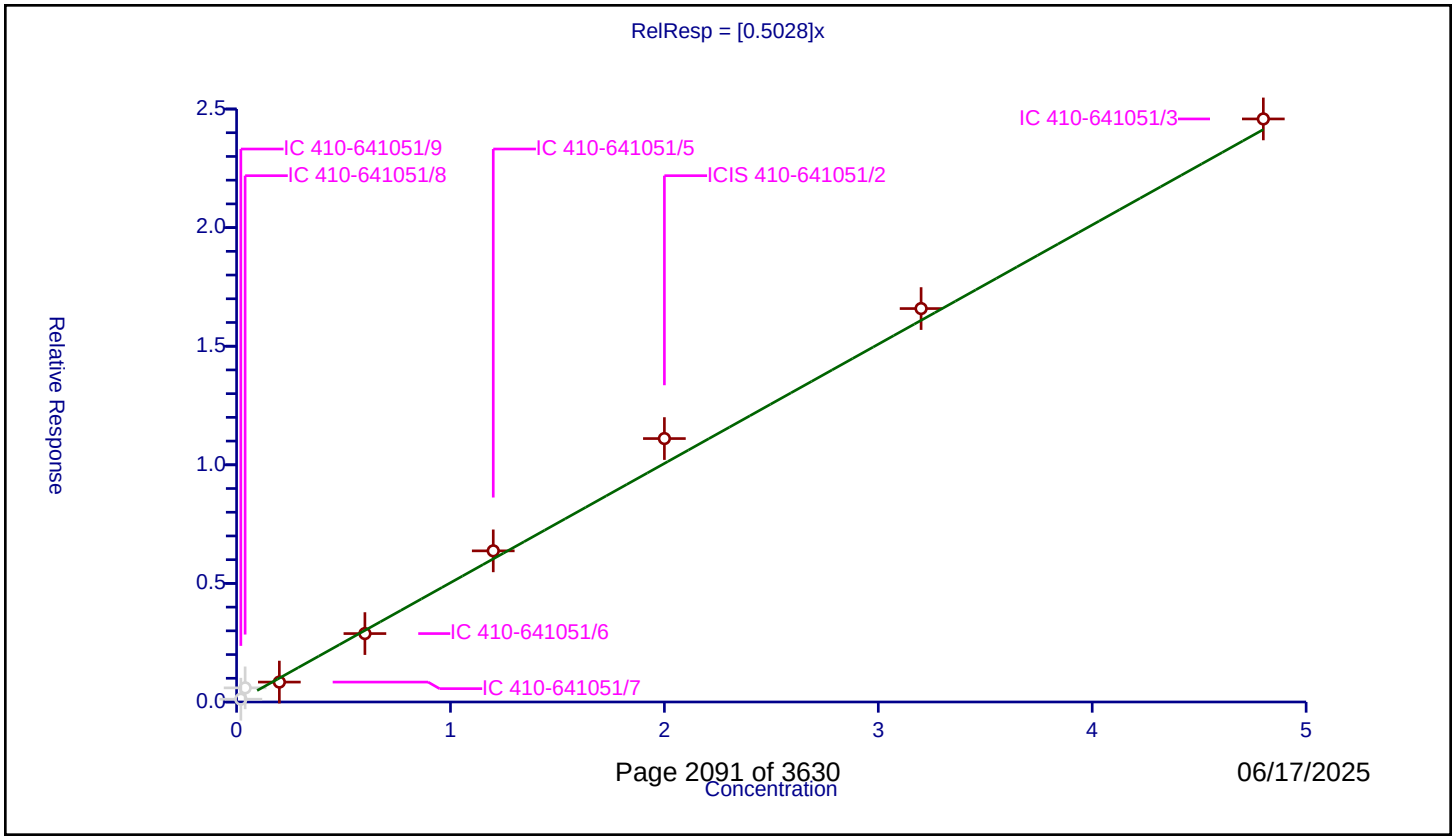
Curve Coefficients

Intercept:	0
Slope:	0.5028

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.02	0.011782	5.0	379811.0	0.589109	N
2	IC 410-641051/8	0.04	0.059576	5.0	385891.0	1.48941	N
3	IC 410-641051/7	0.2	0.083882	5.0	394242.0	0.419412	Y
4	IC 410-641051/6	0.6	0.288411	5.0	424307.0	0.480686	Y
5	IC 410-641051/5	1.2	0.637236	5.0	403979.0	0.53103	Y
6	ICIS 410-641051/2	2.0	1.110642	5.0	463358.0	0.555321	Y
7	IC 410-641051/4	3.2	1.658752	5.0	437793.0	0.51836	Y
8	IC 410-641051/3	4.8	2.458127	5.0	411545.0	0.51211	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

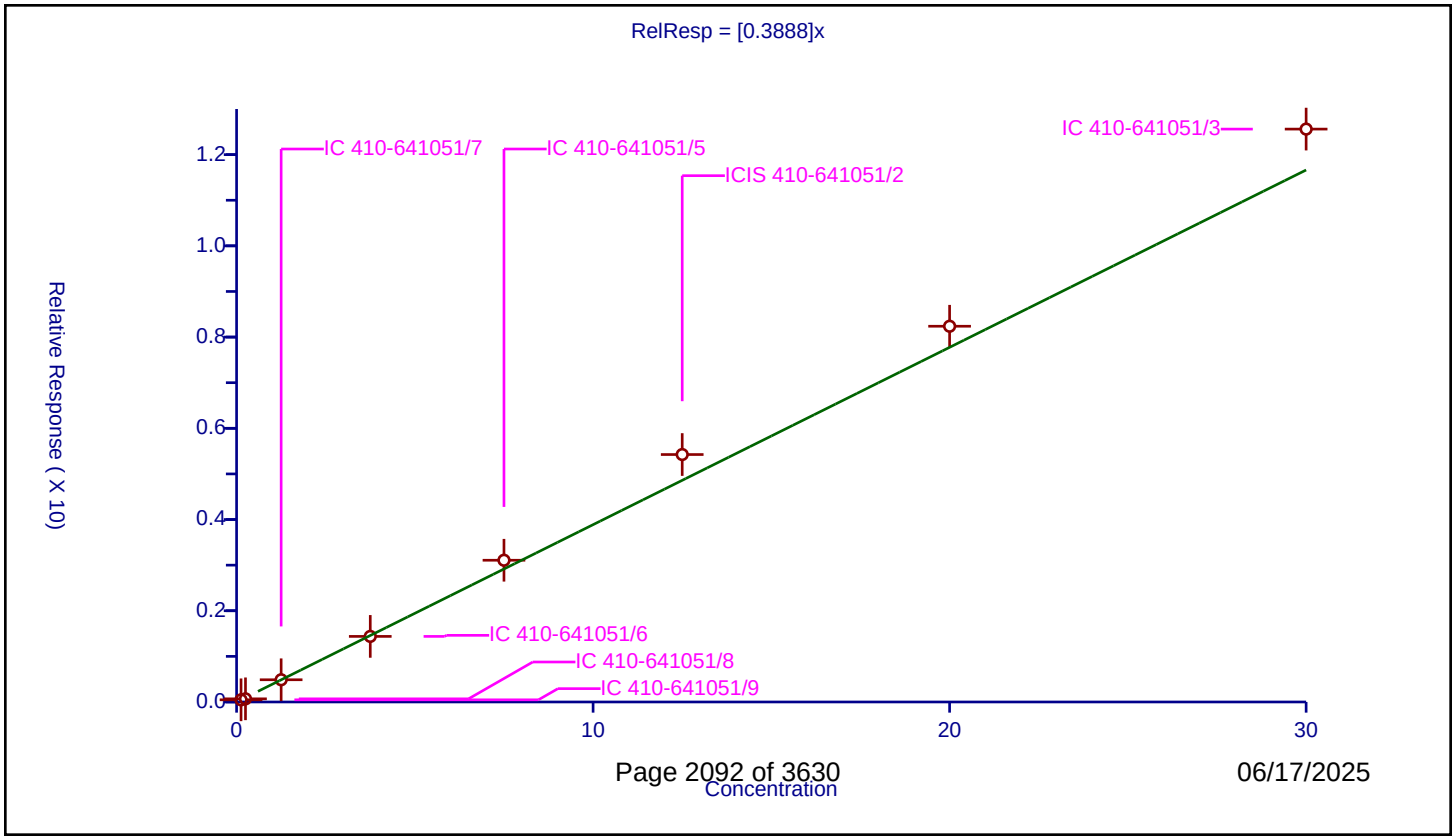
Curve Coefficients

Intercept:	0
Slope:	0.3888

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.047642	5.0	379811.0	0.381137	Y
2	IC 410-641051/8	0.25	0.069216	5.0	385891.0	0.276866	Y
3	IC 410-641051/7	1.25	0.487125	5.0	394242.0	0.3897	Y
4	IC 410-641051/6	3.75	1.438145	5.0	424307.0	0.383505	Y
5	IC 410-641051/5	7.5	3.107637	5.0	403979.0	0.414352	Y
6	ICIS 410-641051/2	12.5	5.425103	5.0	463358.0	0.434008	Y
7	IC 410-641051/4	20.0	8.23774	5.0	437793.0	0.411887	Y
8	IC 410-641051/3	30.0	12.559586	5.0	411545.0	0.418653	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

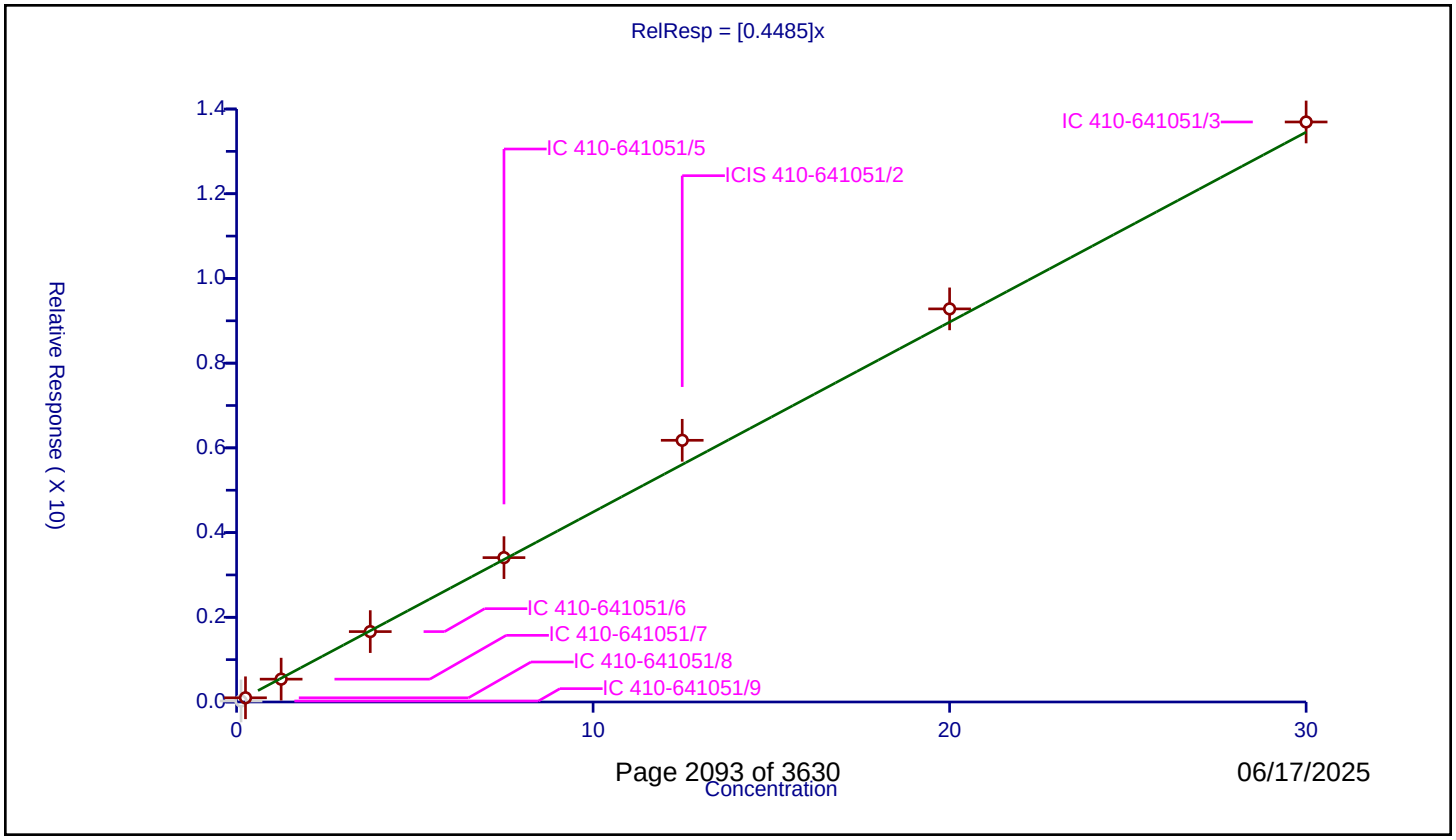
Curve Coefficients

Intercept:	0
Slope:	0.4485

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.023893	5.0	379811.0	0.191148	N
2	IC 410-641051/8	0.25	0.098862	5.0	385891.0	0.395448	Y
3	IC 410-641051/7	1.25	0.53944	5.0	394242.0	0.431552	Y
4	IC 410-641051/6	3.75	1.661545	5.0	424307.0	0.443079	Y
5	IC 410-641051/5	7.5	3.408333	5.0	403979.0	0.454444	Y
6	ICIS 410-641051/2	12.5	6.178247	5.0	463358.0	0.49426	Y
7	IC 410-641051/4	20.0	9.281418	5.0	437793.0	0.464071	Y
8	IC 410-641051/3	30.0	13.69431	5.0	411545.0	0.456477	Y



Calibration / 2-Fluorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

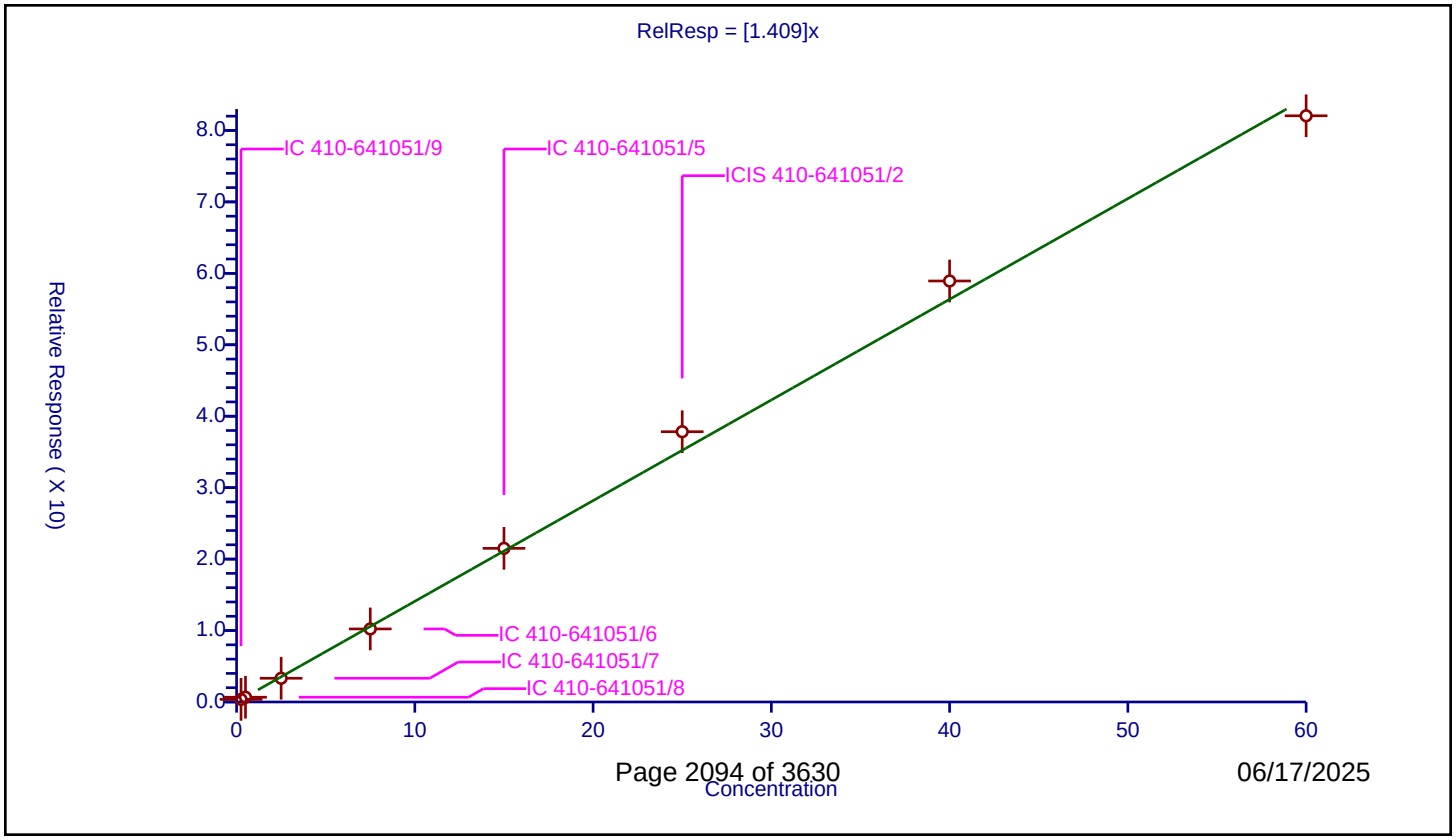
Curve Coefficients

Intercept:	0
Slope:	1.409

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.365379	5.0	379811.0	1.461516	Y
2	IC 410-641051/8	0.5	0.665952	5.0	385891.0	1.331905	Y
3	IC 410-641051/7	2.5	3.320435	5.0	394242.0	1.328174	Y
4	IC 410-641051/6	7.5	10.226687	5.0	424307.0	1.363558	Y
5	IC 410-641051/5	15.0	21.505425	5.0	403979.0	1.433695	Y
6	ICIS 410-641051/2	25.0	37.832939	5.0	463358.0	1.513318	Y
7	IC 410-641051/4	40.0	58.926879	5.0	437793.0	1.473172	Y
8	IC 410-641051/3	60.0	82.050699	5.0	411545.0	1.367512	Y



Calibration / Isosafrole Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

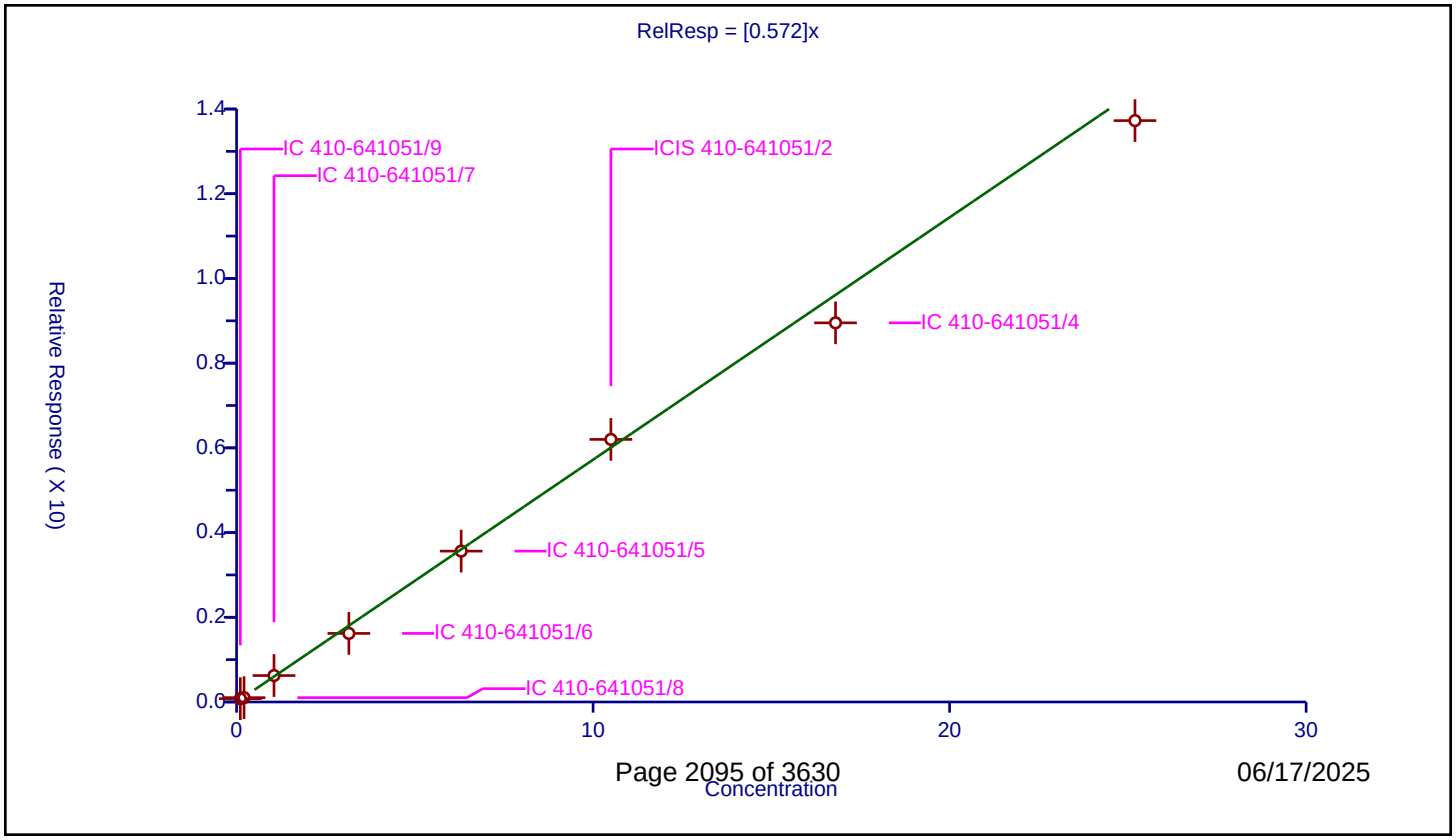
Curve Coefficients

Intercept:	0
Slope:	0.572

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.105	0.078355	5.0	379811.0	0.746236	Y
2	IC 410-641051/8	0.21	0.102568	5.0	385891.0	0.488418	Y
3	IC 410-641051/7	1.05	0.624236	5.0	394242.0	0.59451	Y
4	IC 410-641051/6	3.15	1.618851	5.0	424307.0	0.513921	Y
5	IC 410-641051/5	6.3	3.561943	5.0	403979.0	0.565388	Y
6	ICIS 410-641051/2	10.5	6.199289	5.0	463358.0	0.590408	Y
7	IC 410-641051/4	16.8	8.951182	5.0	437793.0	0.532808	Y
8	IC 410-641051/3	25.2	13.726045	5.0	411545.0	0.544684	Y



Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

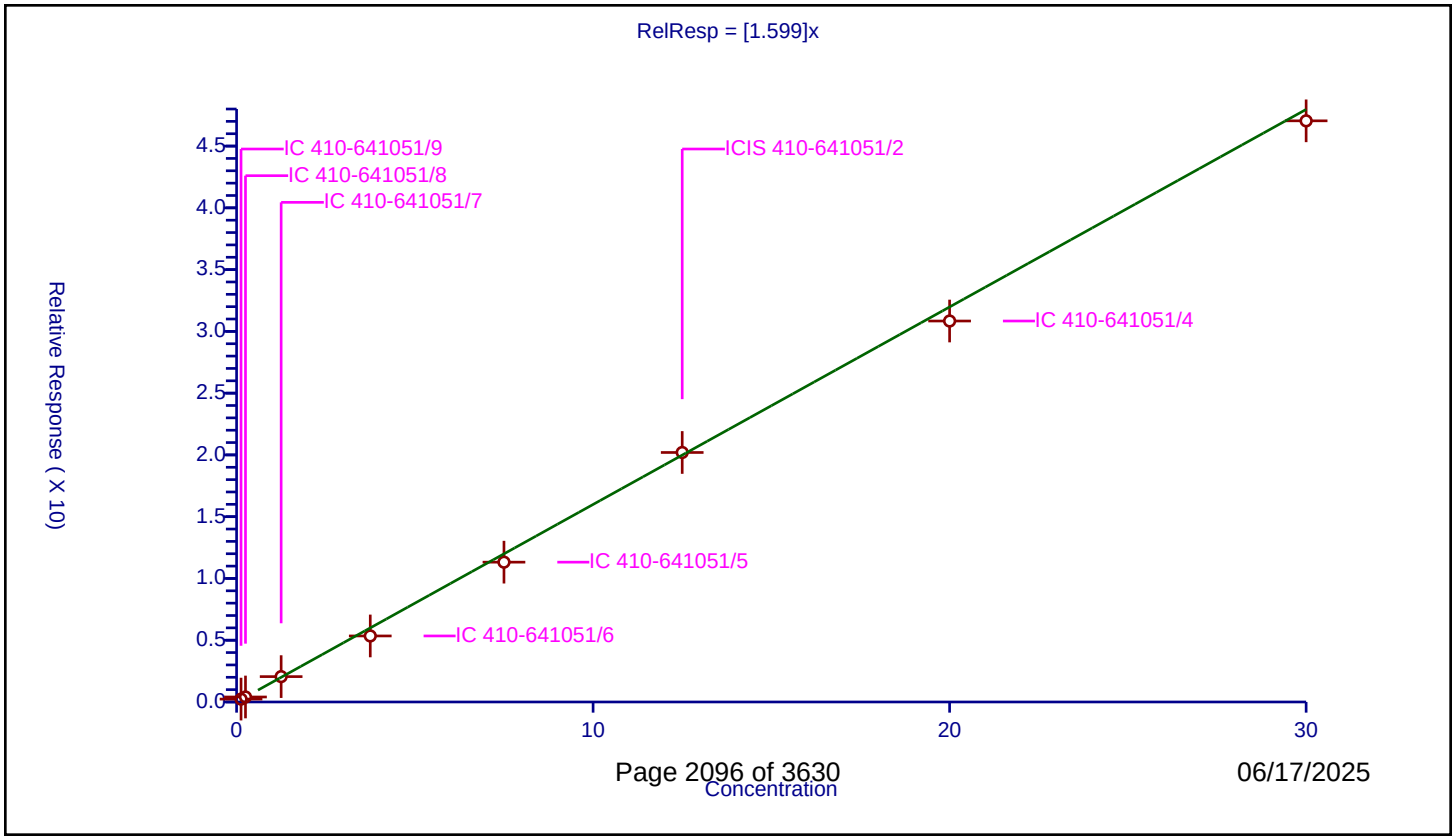
Curve Coefficients

Intercept:	0
Slope:	1.599

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.233524	5.0	379811.0	1.868192	Y
2	IC 410-641051/8	0.25	0.40479	5.0	385891.0	1.619162	Y
3	IC 410-641051/7	1.25	2.053561	5.0	394242.0	1.642849	Y
4	IC 410-641051/6	3.75	5.345929	5.0	424307.0	1.425581	Y
5	IC 410-641051/5	7.5	11.318856	5.0	403979.0	1.509181	Y
6	ICIS 410-641051/2	12.5	20.198108	5.0	463358.0	1.615849	Y
7	IC 410-641051/4	20.0	30.839438	5.0	437793.0	1.541972	Y
8	IC 410-641051/3	30.0	47.042632	5.0	411545.0	1.568088	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

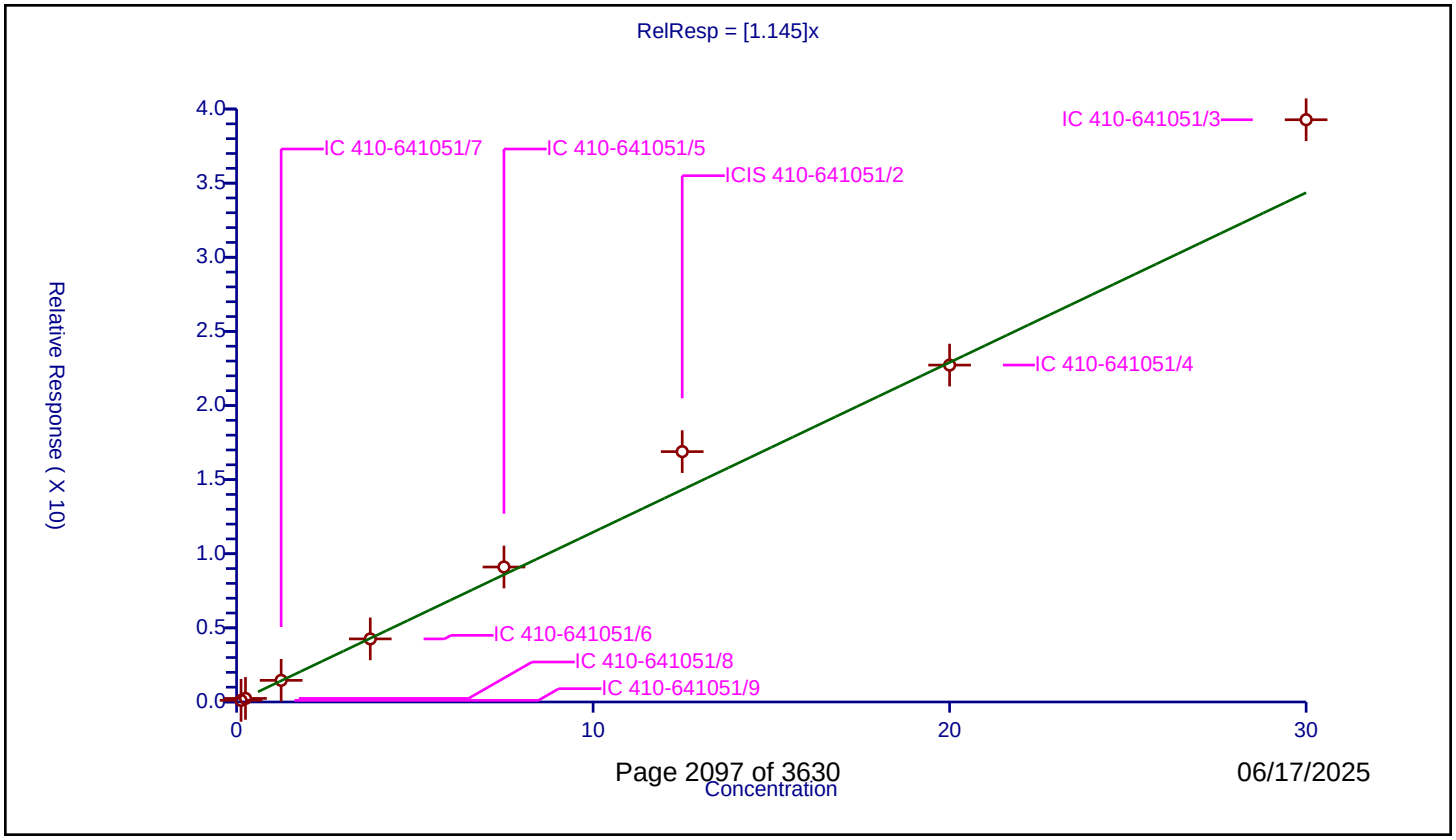
Curve Coefficients

Intercept:	0
Slope:	1.145

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.111121	5.0	379811.0	0.888968	Y
2	IC 410-641051/8	0.25	0.239848	5.0	385891.0	0.95939	Y
3	IC 410-641051/7	1.25	1.4597	5.0	394242.0	1.16776	Y
4	IC 410-641051/6	3.75	4.25528	5.0	424307.0	1.134741	Y
5	IC 410-641051/5	7.5	9.105622	5.0	403979.0	1.214083	Y
6	ICIS 410-641051/2	12.5	16.887925	5.0	463358.0	1.351034	Y
7	IC 410-641051/4	20.0	22.728276	5.0	437793.0	1.136414	Y
8	IC 410-641051/3	30.0	39.27726	5.0	411545.0	1.309242	Y



Calibration / 1-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

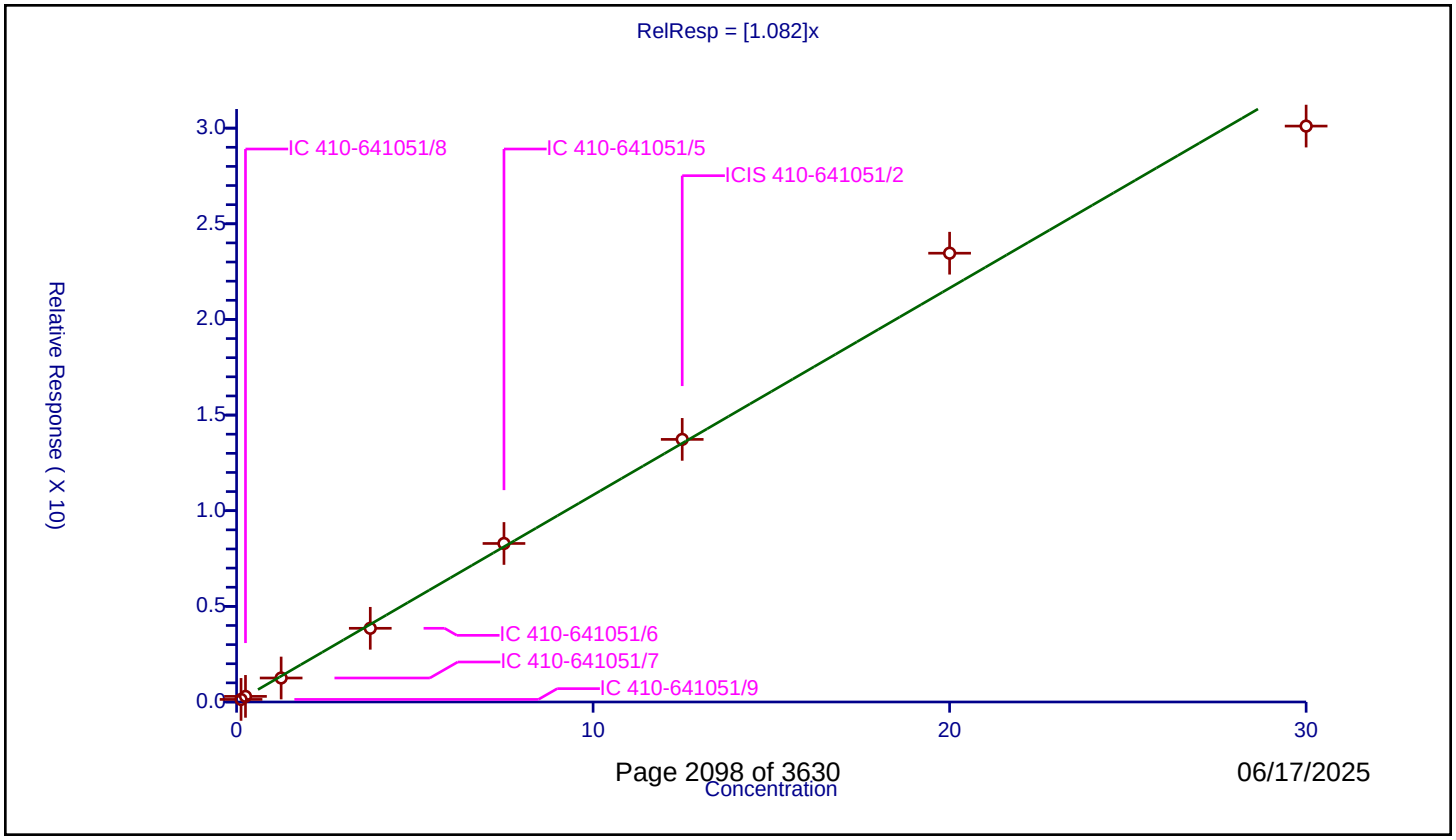
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.133988	5.0	379811.0	1.071902	Y
2	IC 410-641051/8	0.25	0.293256	5.0	385891.0	1.173026	Y
3	IC 410-641051/7	1.25	1.254572	5.0	394242.0	1.003658	Y
4	IC 410-641051/6	3.75	3.85313	5.0	424307.0	1.027501	Y
5	IC 410-641051/5	7.5	8.287015	5.0	403979.0	1.104935	Y
6	ICIS 410-641051/2	12.5	13.72905	5.0	463358.0	1.098324	Y
7	IC 410-641051/4	20.0	23.461567	5.0	437793.0	1.173078	Y
8	IC 410-641051/3	30.0	30.1074	5.0	411545.0	1.00358	Y



Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

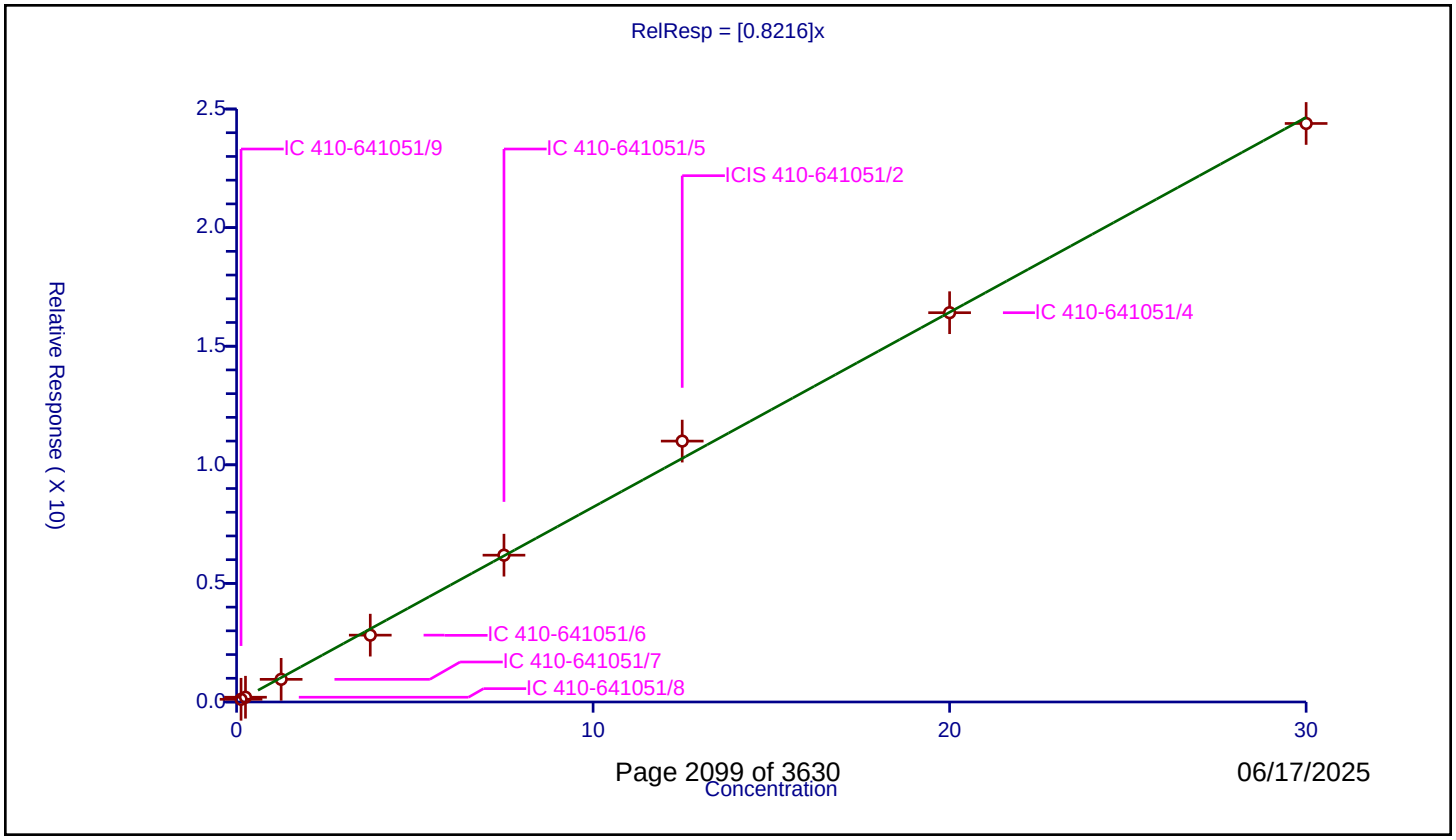
Curve Coefficients

Intercept:	0
Slope:	0.8216

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.114649	5.0	379811.0	0.917193	Y
2	IC 410-641051/8	0.25	0.200225	5.0	385891.0	0.8009	Y
3	IC 410-641051/7	1.25	0.955352	5.0	394242.0	0.764282	Y
4	IC 410-641051/6	3.75	2.817488	5.0	424307.0	0.75133	Y
5	IC 410-641051/5	7.5	6.190111	5.0	403979.0	0.825348	Y
6	ICIS 410-641051/2	12.5	10.99886	5.0	463358.0	0.879909	Y
7	IC 410-641051/4	20.0	16.412631	5.0	437793.0	0.820632	Y
8	IC 410-641051/3	30.0	24.39099	5.0	411545.0	0.813033	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

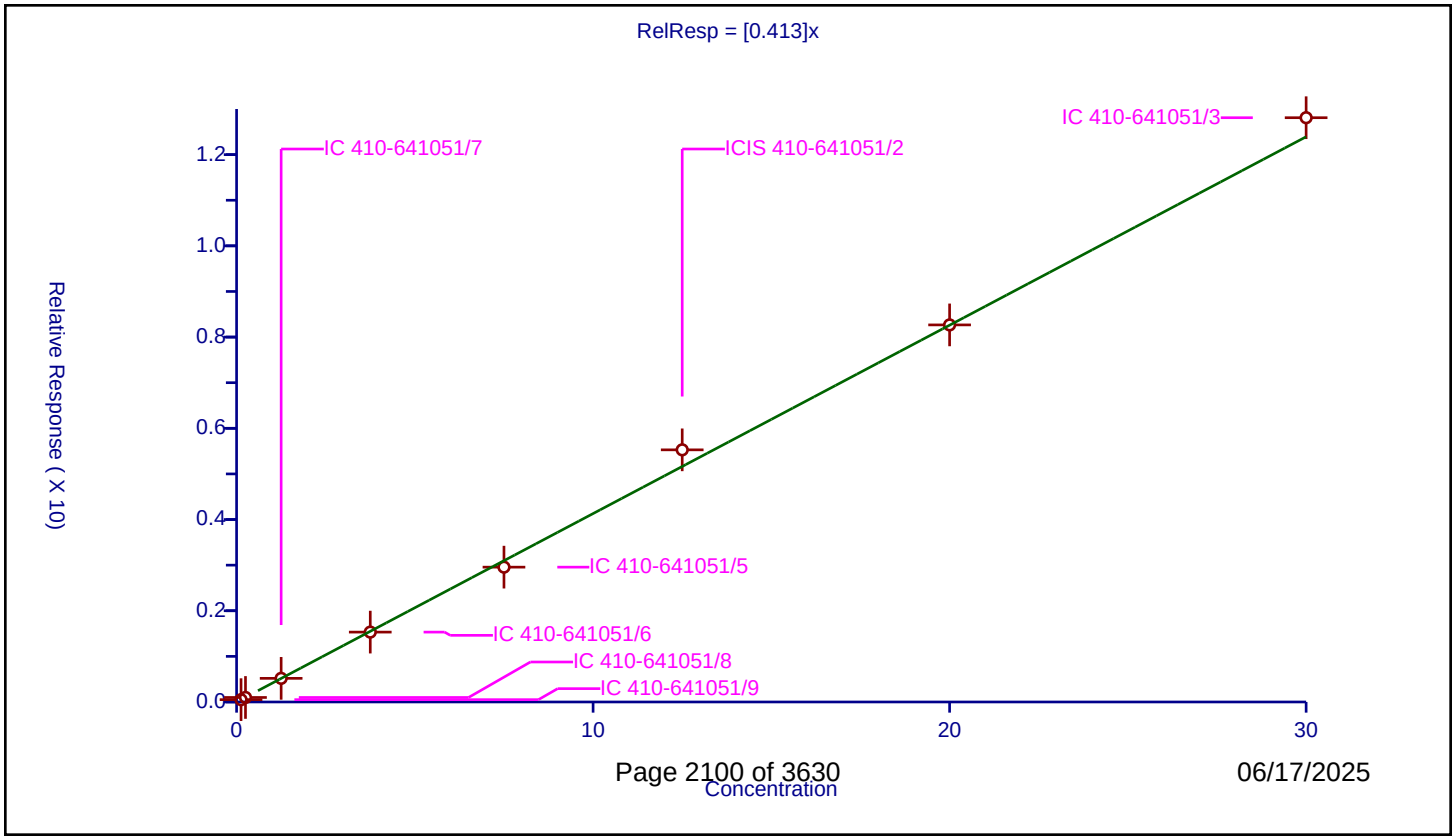
Curve Coefficients

Intercept:	0
Slope:	0.413

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.051012	5.0	379811.0	0.408098	Y
2	IC 410-641051/8	0.25	0.099134	5.0	385891.0	0.396537	Y
3	IC 410-641051/7	1.25	0.518019	5.0	394242.0	0.414416	Y
4	IC 410-641051/6	3.75	1.532145	5.0	424307.0	0.408572	Y
5	IC 410-641051/5	7.5	2.956416	5.0	403979.0	0.394189	Y
6	ICIS 410-641051/2	12.5	5.52808	5.0	463358.0	0.442246	Y
7	IC 410-641051/4	20.0	8.266864	5.0	437793.0	0.413343	Y
8	IC 410-641051/3	30.0	12.809547	5.0	411545.0	0.426985	Y



Calibration / 1,4-Naphthoquinone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

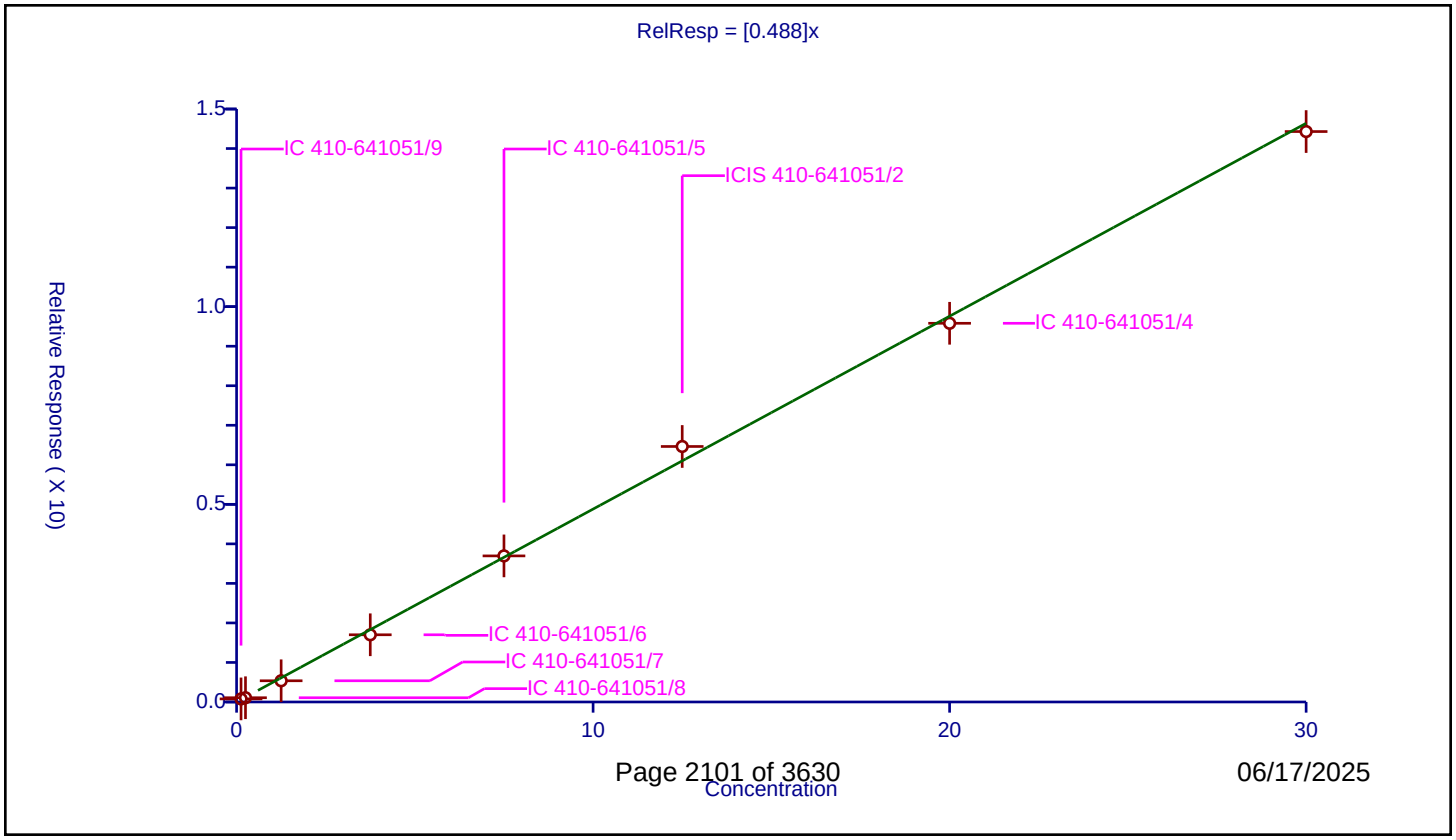
Curve Coefficients

Intercept:	0
Slope:	0.488

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.077631	5.0	379811.0	0.621046	Y
2	IC 410-641051/8	0.25	0.107595	5.0	385891.0	0.430381	Y
3	IC 410-641051/7	1.25	0.536434	5.0	394242.0	0.429148	Y
4	IC 410-641051/6	3.75	1.70016	5.0	424307.0	0.453376	Y
5	IC 410-641051/5	7.5	3.69539	5.0	403979.0	0.492719	Y
6	ICIS 410-641051/2	12.5	6.463091	5.0	463358.0	0.517047	Y
7	IC 410-641051/4	20.0	9.579893	5.0	437793.0	0.478995	Y
8	IC 410-641051/3	30.0	14.429989	5.0	411545.0	0.481	Y



Calibration / 1,4-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

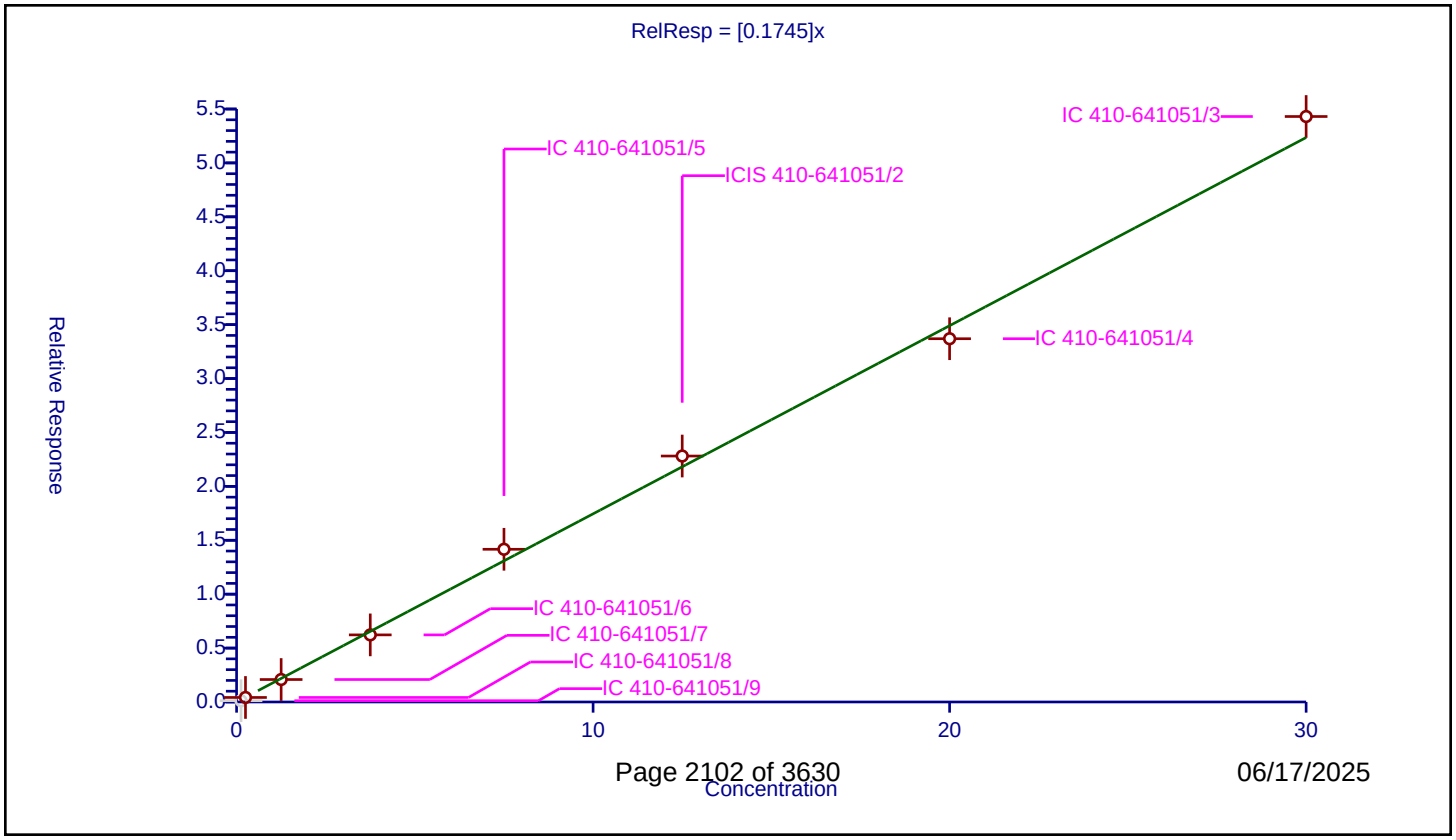
Curve Coefficients

Intercept:	0
Slope:	0.1745

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.011782	5.0	379811.0	0.094257	N
2	IC 410-641051/8	0.25	0.042007	5.0	385891.0	0.168027	Y
3	IC 410-641051/7	1.25	0.208476	5.0	394242.0	0.166781	Y
4	IC 410-641051/6	3.75	0.622403	5.0	424307.0	0.165974	Y
5	IC 410-641051/5	7.5	1.416324	5.0	403979.0	0.188843	Y
6	ICIS 410-641051/2	12.5	2.2814	5.0	463358.0	0.182512	Y
7	IC 410-641051/4	20.0	3.369481	5.0	437793.0	0.168474	Y
8	IC 410-641051/3	30.0	5.43039	5.0	411545.0	0.181013	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

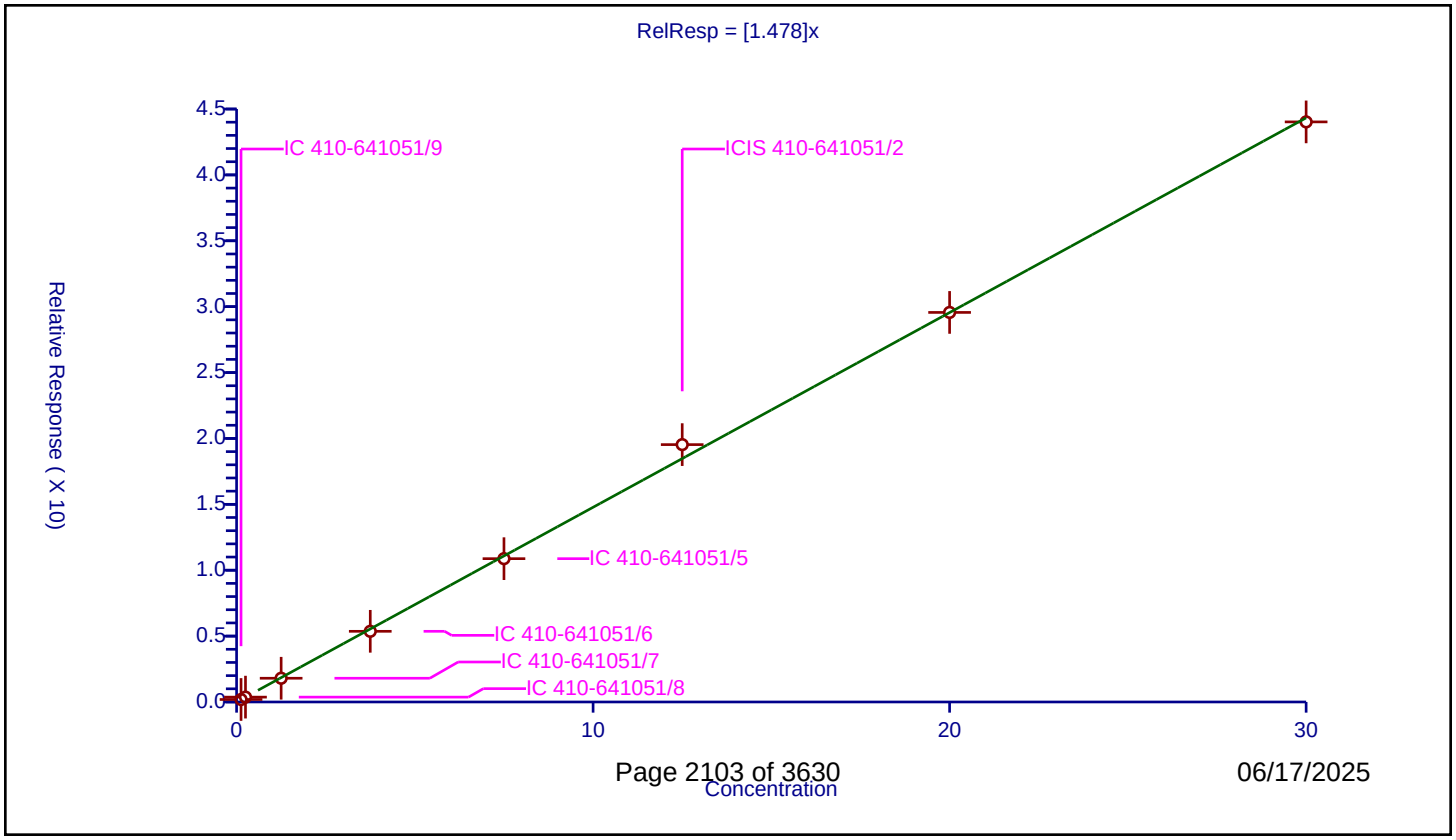
Curve Coefficients

Intercept:	0
Slope:	1.478

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.189581	5.0	379811.0	1.516649	Y
2	IC 410-641051/8	0.25	0.368601	5.0	385891.0	1.474406	Y
3	IC 410-641051/7	1.25	1.801901	5.0	394242.0	1.441521	Y
4	IC 410-641051/6	3.75	5.363122	5.0	424307.0	1.430166	Y
5	IC 410-641051/5	7.5	10.876766	5.0	403979.0	1.450235	Y
6	ICIS 410-641051/2	12.5	19.530849	5.0	463358.0	1.562468	Y
7	IC 410-641051/4	20.0	29.563664	5.0	437793.0	1.478183	Y
8	IC 410-641051/3	30.0	44.021966	5.0	411545.0	1.467399	Y



Calibration / 1,3-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

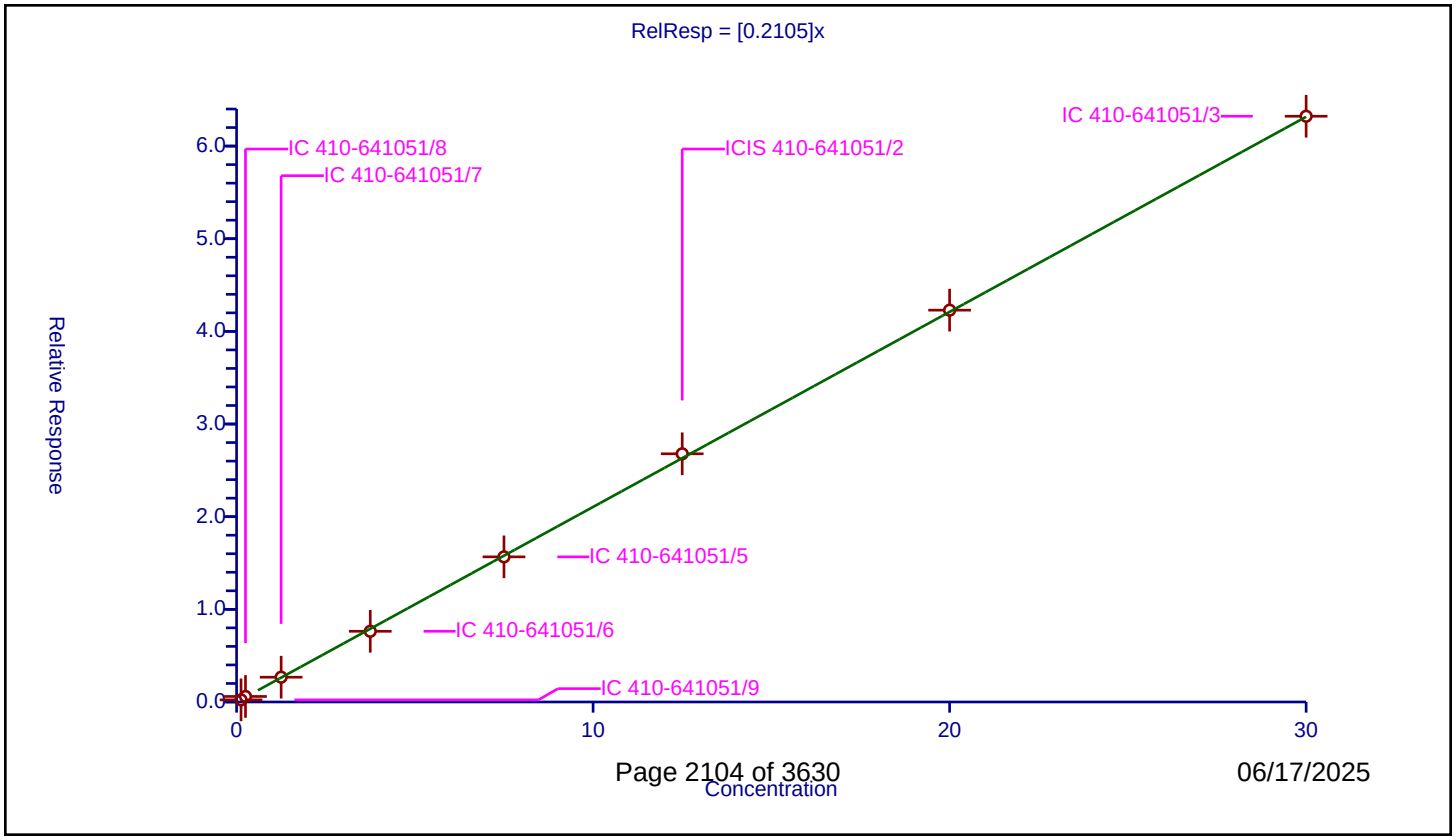
Curve Coefficients

Intercept:	0
Slope:	0.2105

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.022814	5.0	379811.0	0.182512	Y
2	IC 410-641051/8	0.25	0.059693	5.0	385891.0	0.238772	Y
3	IC 410-641051/7	1.25	0.267589	5.0	394242.0	0.214072	Y
4	IC 410-641051/6	3.75	0.763256	5.0	424307.0	0.203535	Y
5	IC 410-641051/5	7.5	1.566344	5.0	403979.0	0.208846	Y
6	ICIS 410-641051/2	12.5	2.67876	5.0	463358.0	0.214301	Y
7	IC 410-641051/4	20.0	4.228882	5.0	437793.0	0.211444	Y
8	IC 410-641051/3	30.0	6.322091	5.0	411545.0	0.210736	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

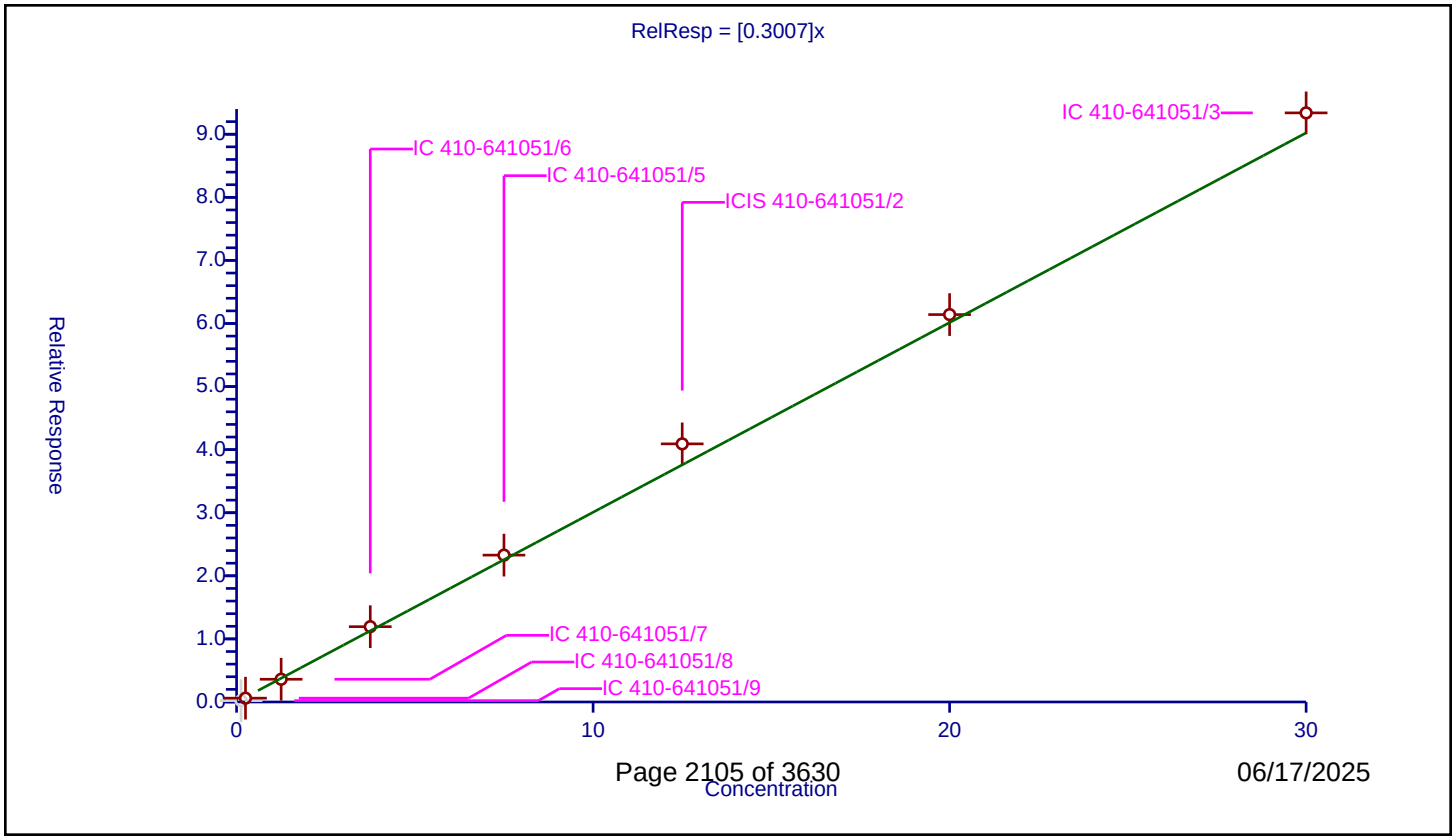
Curve Coefficients

Intercept:	0
Slope:	0.3007

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.021419	5.0	379811.0	0.171348	N
2	IC 410-641051/8	0.25	0.060535	5.0	385891.0	0.242141	Y
3	IC 410-641051/7	1.25	0.360578	5.0	394242.0	0.288462	Y
4	IC 410-641051/6	3.75	1.194065	5.0	424307.0	0.318417	Y
5	IC 410-641051/5	7.5	2.328252	5.0	403979.0	0.310434	Y
6	ICIS 410-641051/2	12.5	4.09189	5.0	463358.0	0.327351	Y
7	IC 410-641051/4	20.0	6.141019	5.0	437793.0	0.307051	Y
8	IC 410-641051/3	30.0	9.338796	5.0	411545.0	0.311293	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

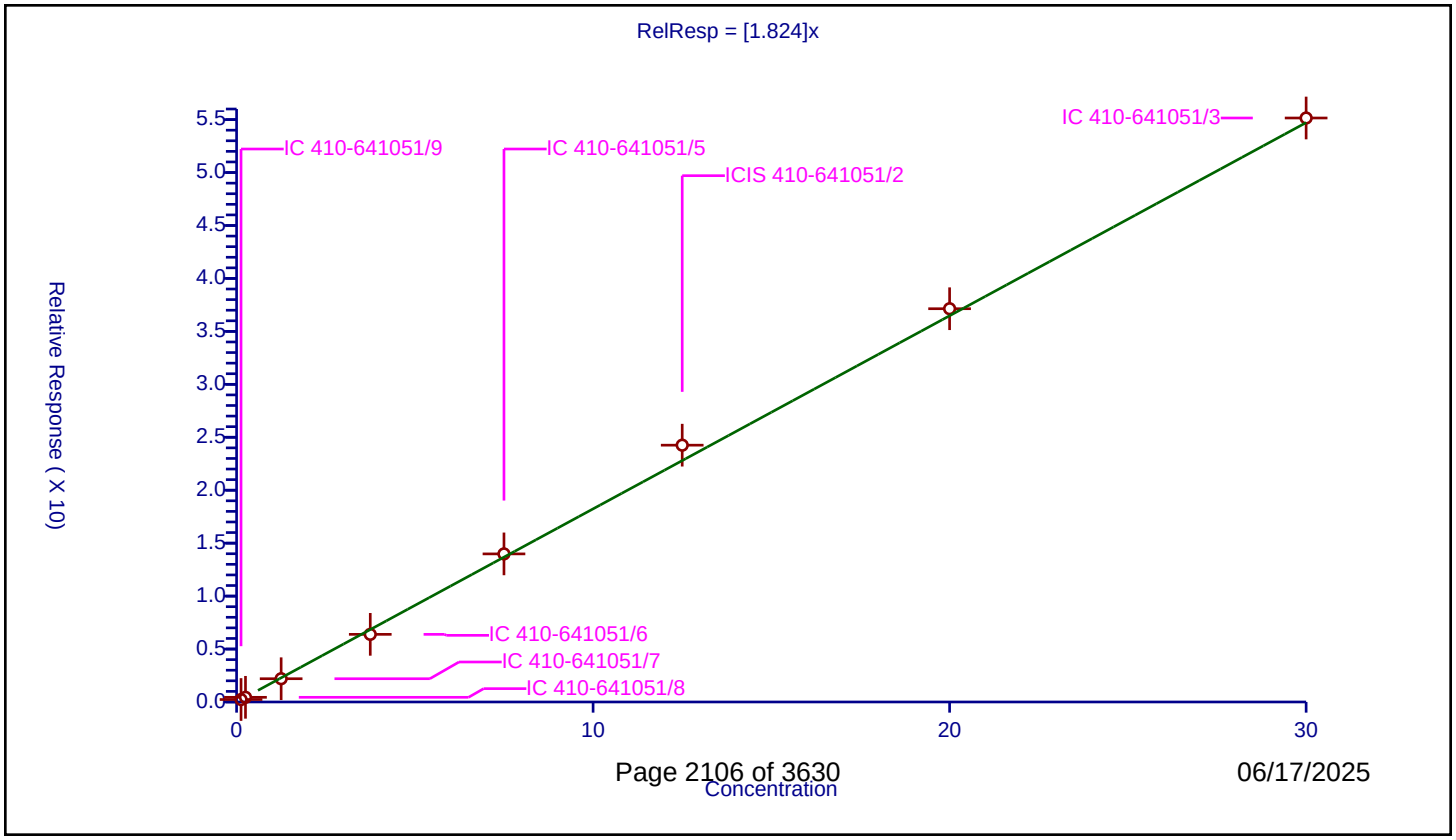
Curve Coefficients

Intercept:	0
Slope:	1.824

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.232945	5.0	379811.0	1.863558	Y
2	IC 410-641051/8	0.25	0.441381	5.0	385891.0	1.765524	Y
3	IC 410-641051/7	1.25	2.196988	5.0	394242.0	1.757591	Y
4	IC 410-641051/6	3.75	6.388499	5.0	424307.0	1.7036	Y
5	IC 410-641051/5	7.5	13.98491	5.0	403979.0	1.864655	Y
6	ICIS 410-641051/2	12.5	24.253148	5.0	463358.0	1.940252	Y
7	IC 410-641051/4	20.0	37.139767	5.0	437793.0	1.856988	Y
8	IC 410-641051/3	30.0	55.150227	5.0	411545.0	1.838341	Y



Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

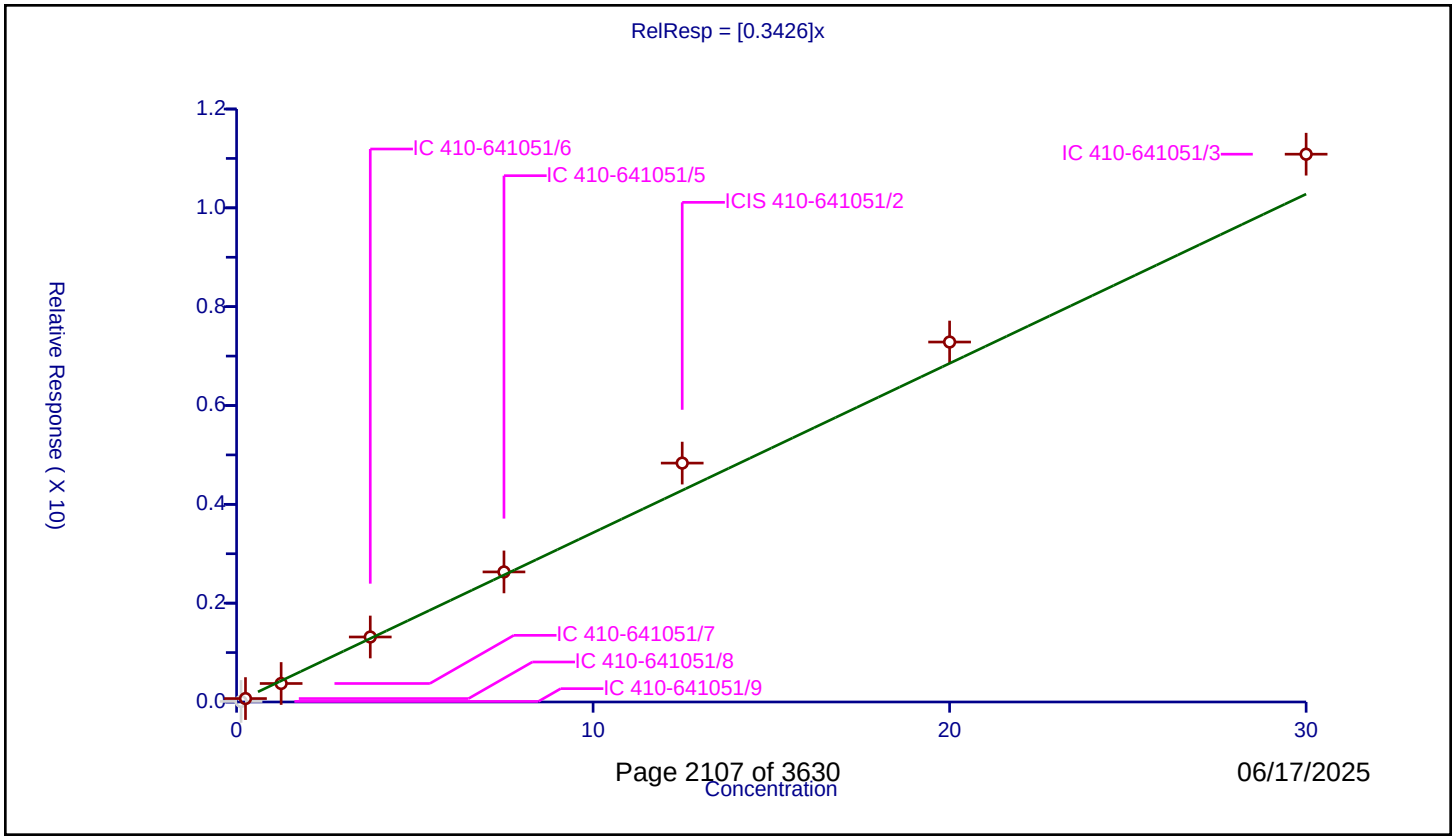
Curve Coefficients

Intercept:	0
Slope:	0.3426

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.011809	5.0	379811.0	0.094468	N
2	IC 410-641051/8	0.25	0.069216	5.0	385891.0	0.276866	Y
3	IC 410-641051/7	1.25	0.374034	5.0	394242.0	0.299227	Y
4	IC 410-641051/6	3.75	1.315651	5.0	424307.0	0.35084	Y
5	IC 410-641051/5	7.5	2.632068	5.0	403979.0	0.350942	Y
6	ICIS 410-641051/2	12.5	4.834469	5.0	463358.0	0.386758	Y
7	IC 410-641051/4	20.0	7.284539	5.0	437793.0	0.364227	Y
8	IC 410-641051/3	30.0	11.085556	5.0	411545.0	0.369519	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

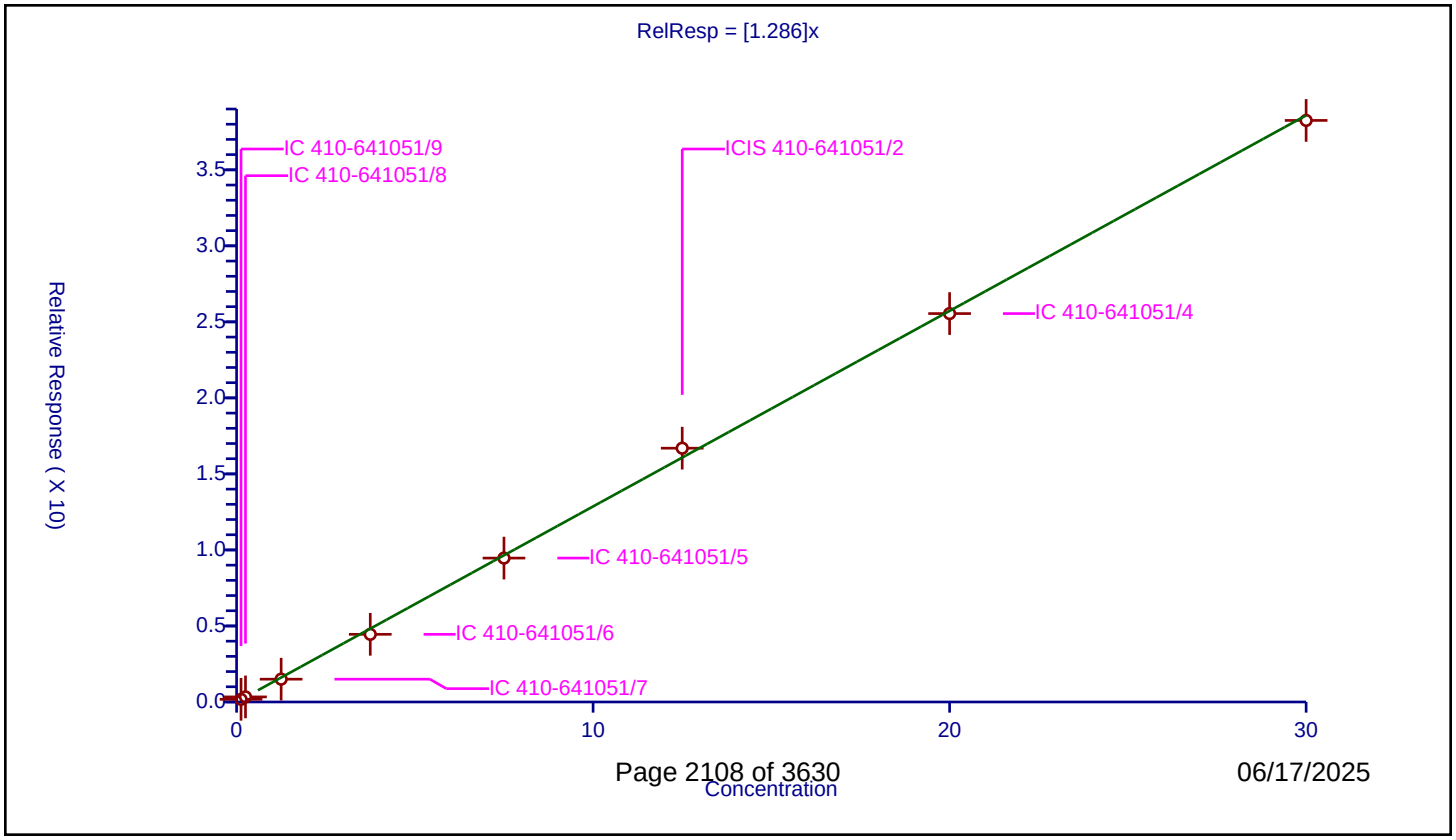
Curve Coefficients

Intercept:	0
Slope:	1.286

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.176785	5.0	379811.0	1.414282	Y
2	IC 410-641051/8	0.25	0.334227	5.0	385891.0	1.336906	Y
3	IC 410-641051/7	1.25	1.500779	5.0	394242.0	1.200623	Y
4	IC 410-641051/6	3.75	4.450563	5.0	424307.0	1.186817	Y
5	IC 410-641051/5	7.5	9.464192	5.0	403979.0	1.261892	Y
6	ICIS 410-641051/2	12.5	16.691651	5.0	463358.0	1.335332	Y
7	IC 410-641051/4	20.0	25.54592	5.0	437793.0	1.277296	Y
8	IC 410-641051/3	30.0	38.248539	5.0	411545.0	1.274951	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

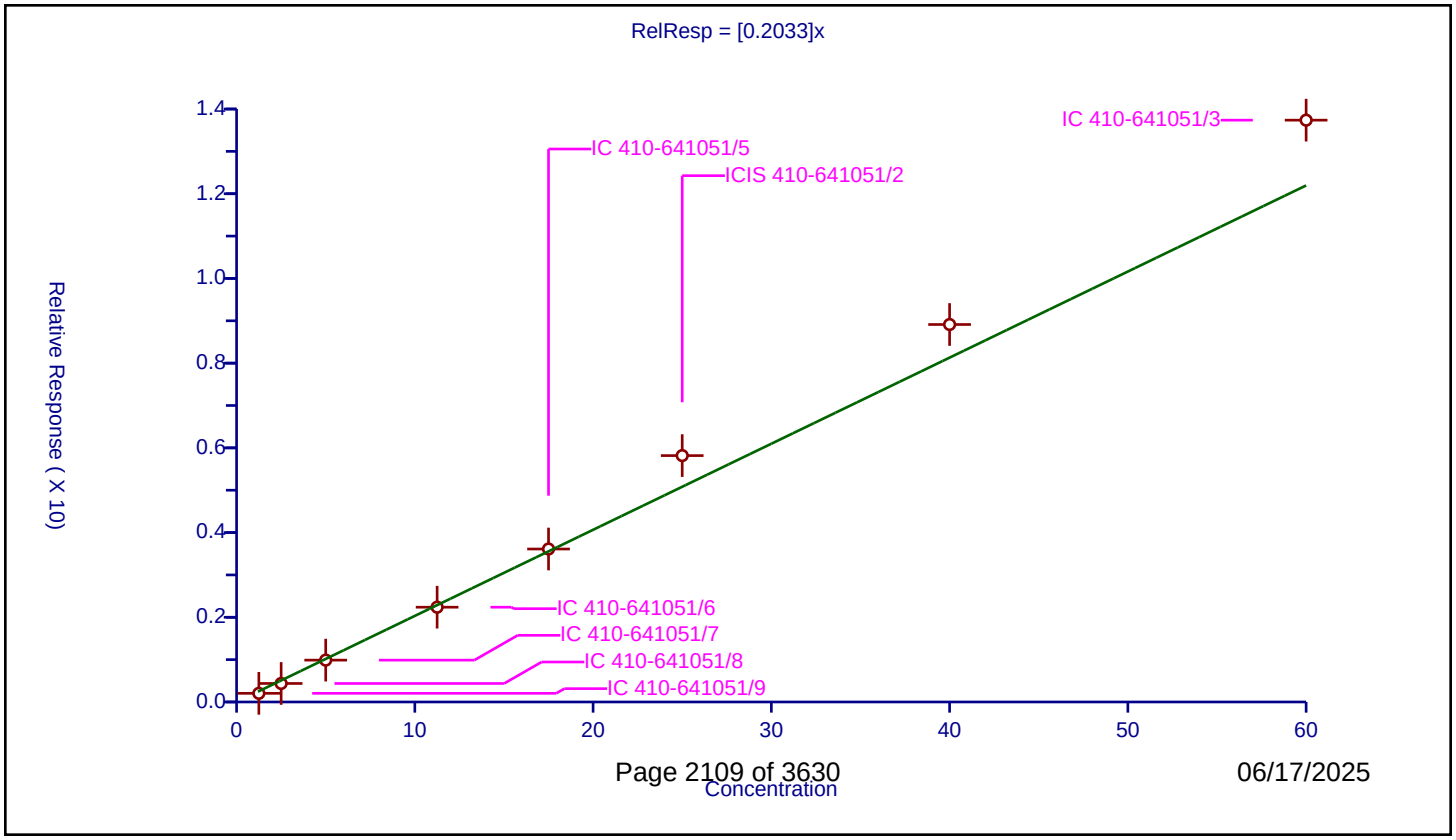
Curve Coefficients

Intercept:	0
Slope:	0.2033

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	1.25	0.20451	5.0	379811.0	0.163608	Y
2	IC 410-641051/8	2.5	0.437455	5.0	385891.0	0.174982	Y
3	IC 410-641051/7	5.0	0.988378	5.0	394242.0	0.197676	Y
4	IC 410-641051/6	11.25	2.237943	5.0	424307.0	0.198928	Y
5	IC 410-641051/5	17.5	3.611722	5.0	403979.0	0.206384	Y
6	ICIS 410-641051/2	25.0	5.817176	5.0	463358.0	0.232687	Y
7	IC 410-641051/4	40.0	8.912454	5.0	437793.0	0.222811	Y
8	IC 410-641051/3	60.0	13.736627	5.0	411545.0	0.228944	Y



Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

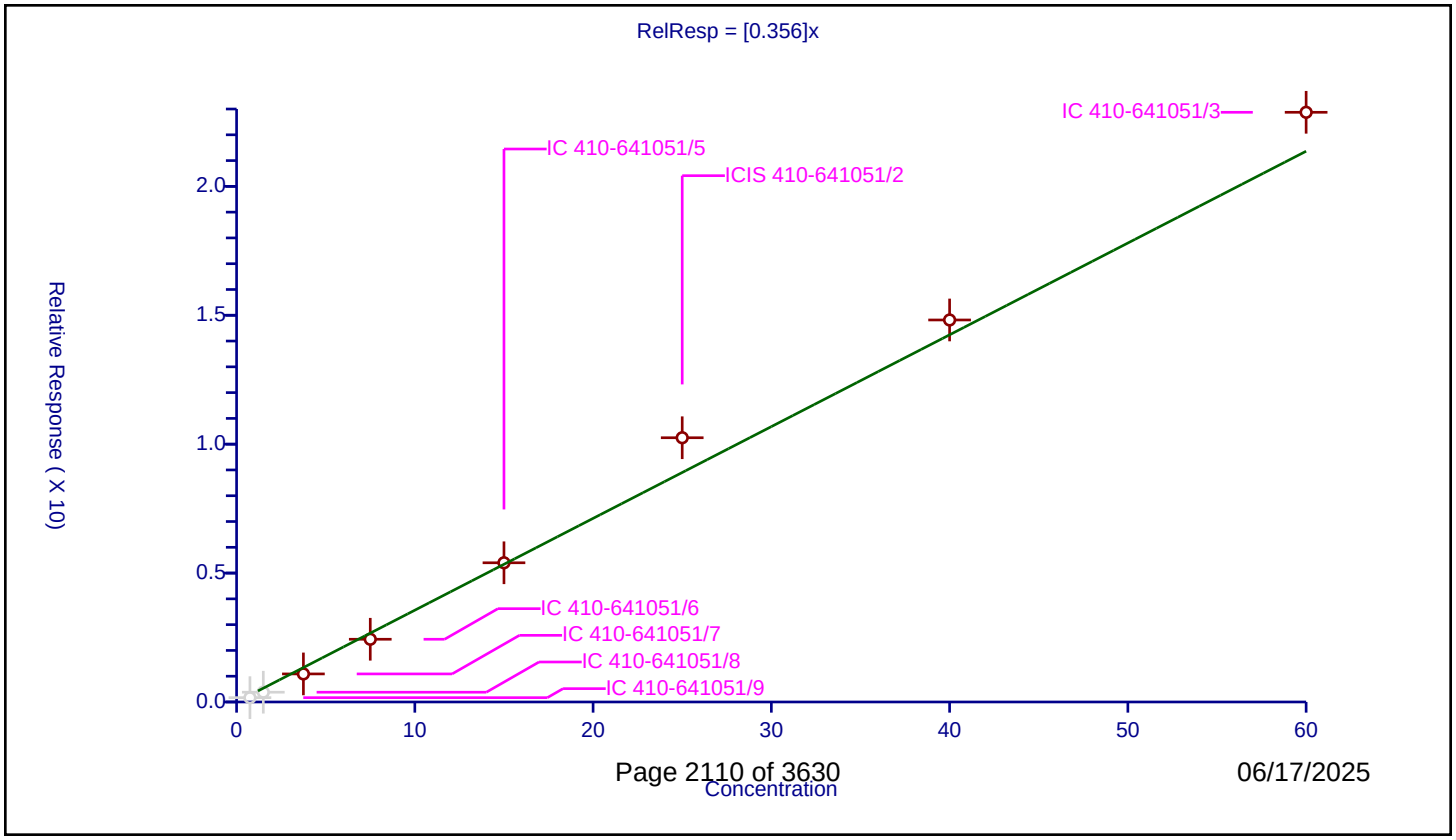
Curve Coefficients

Intercept:	0
Slope:	0.356

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.75	0.167899	5.0	379811.0	0.223866	N
2	IC 410-641051/8	1.5	0.379498	5.0	385891.0	0.252999	N
3	IC 410-641051/7	3.75	1.088481	5.0	394242.0	0.290262	Y
4	IC 410-641051/6	7.5	2.433132	5.0	424307.0	0.324418	Y
5	IC 410-641051/5	15.0	5.399266	5.0	403979.0	0.359951	Y
6	ICIS 410-641051/2	25.0	10.249591	5.0	463358.0	0.409984	Y
7	IC 410-641051/4	40.0	14.817174	5.0	437793.0	0.370429	Y
8	IC 410-641051/3	60.0	22.872383	5.0	411545.0	0.381206	Y



Calibration / Pentachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

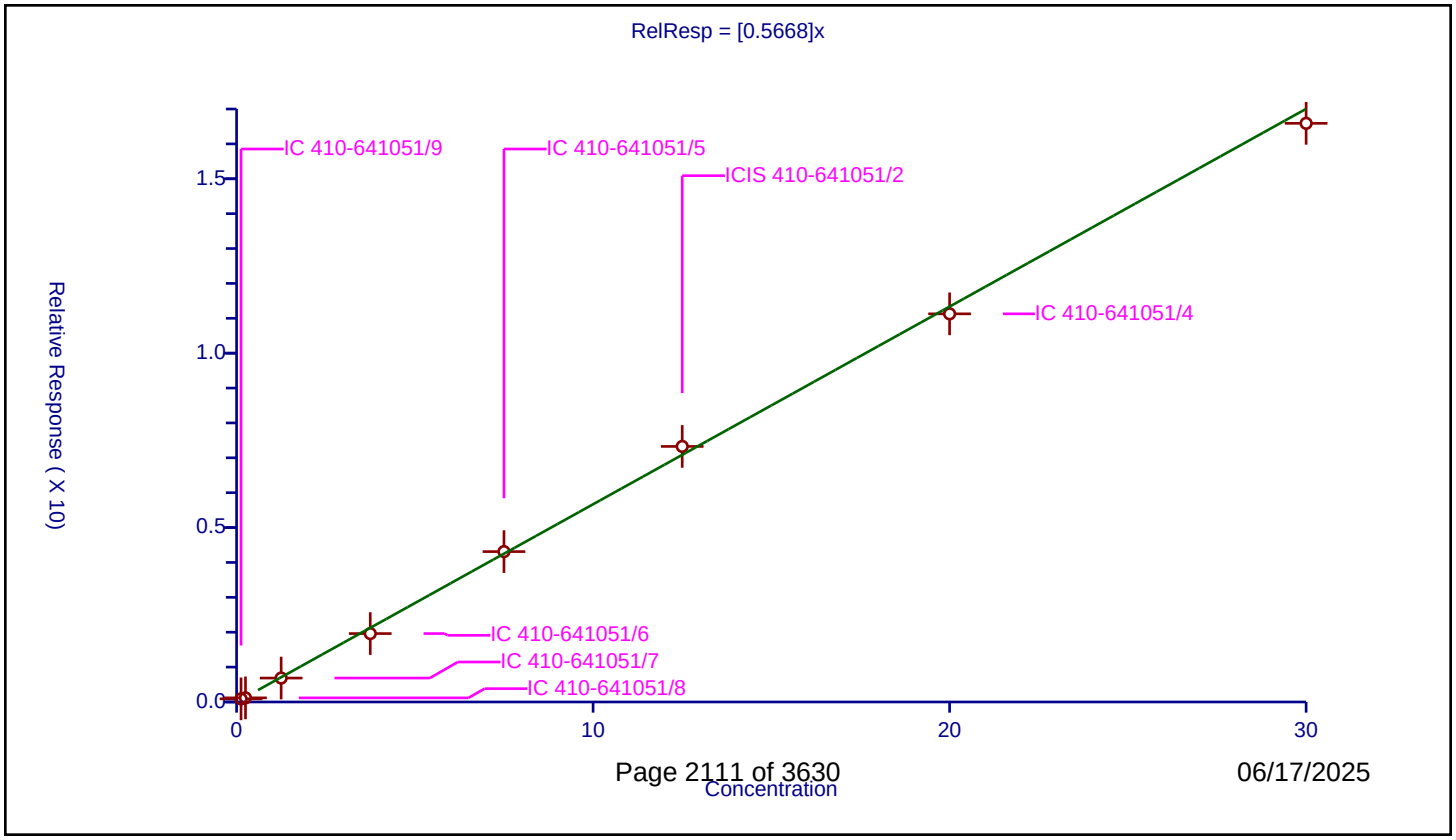
Curve Coefficients

Intercept:	0
Slope:	0.5668

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.089953	5.0	379811.0	0.719621	Y
2	IC 410-641051/8	0.25	0.118142	5.0	385891.0	0.472569	Y
3	IC 410-641051/7	1.25	0.685987	5.0	394242.0	0.54879	Y
4	IC 410-641051/6	3.75	1.961587	5.0	424307.0	0.52309	Y
5	IC 410-641051/5	7.5	4.311635	5.0	403979.0	0.574885	Y
6	ICIS 410-641051/2	12.5	7.326376	5.0	463358.0	0.58611	Y
7	IC 410-641051/4	20.0	11.127828	5.0	437793.0	0.556391	Y
8	IC 410-641051/3	30.0	16.589304	5.0	411545.0	0.552977	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

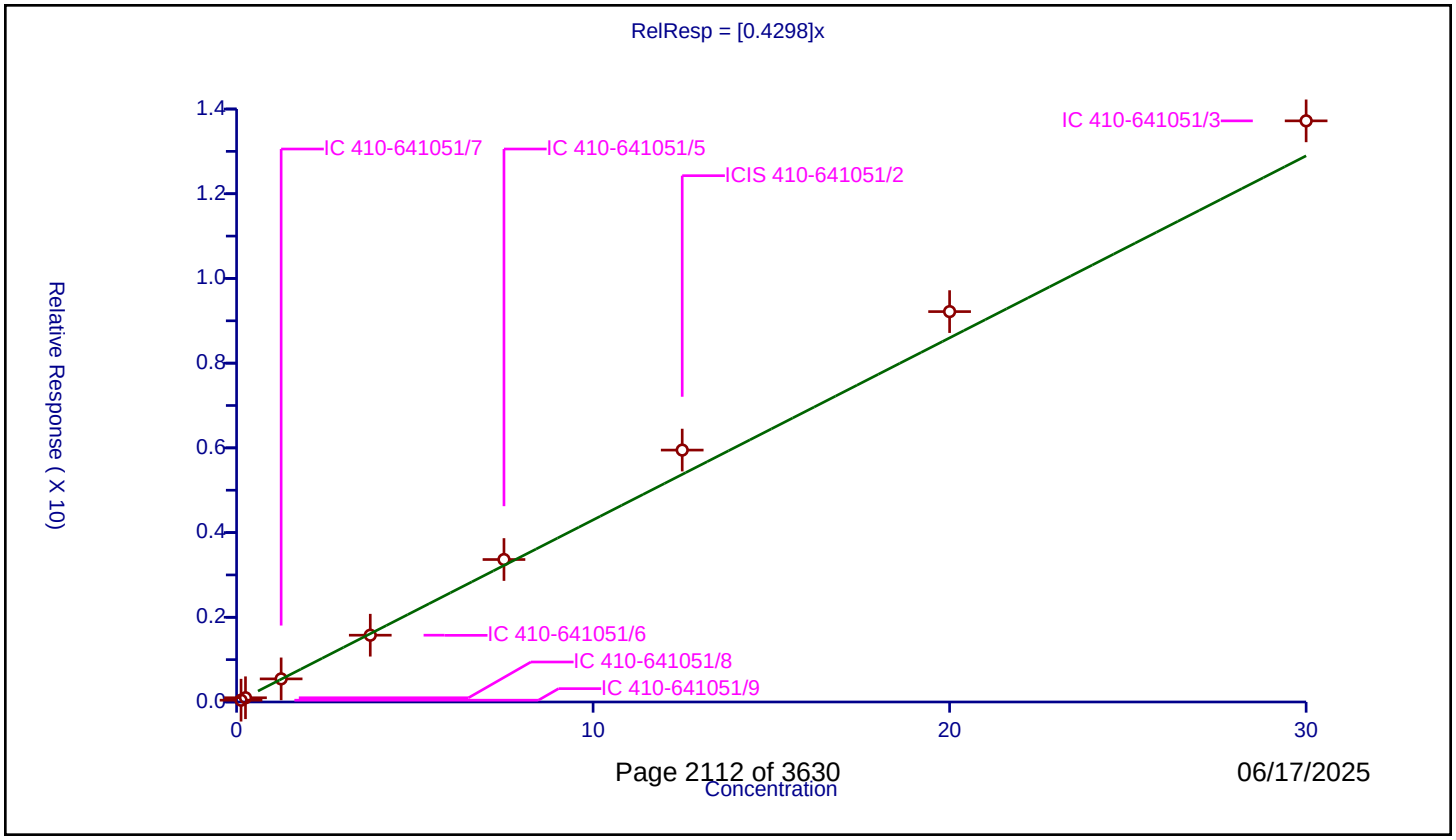
Curve Coefficients

Intercept:	0
Slope:	0.4298

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.042534	5.0	379811.0	0.340275	Y
2	IC 410-641051/8	0.25	0.09973	5.0	385891.0	0.398921	Y
3	IC 410-641051/7	1.25	0.545579	5.0	394242.0	0.436463	Y
4	IC 410-641051/6	3.75	1.57683	5.0	424307.0	0.420488	Y
5	IC 410-641051/5	7.5	3.363343	5.0	403979.0	0.448446	Y
6	ICIS 410-641051/2	12.5	5.947701	5.0	463358.0	0.475816	Y
7	IC 410-641051/4	20.0	9.216776	5.0	437793.0	0.460839	Y
8	IC 410-641051/3	30.0	13.720541	5.0	411545.0	0.457351	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

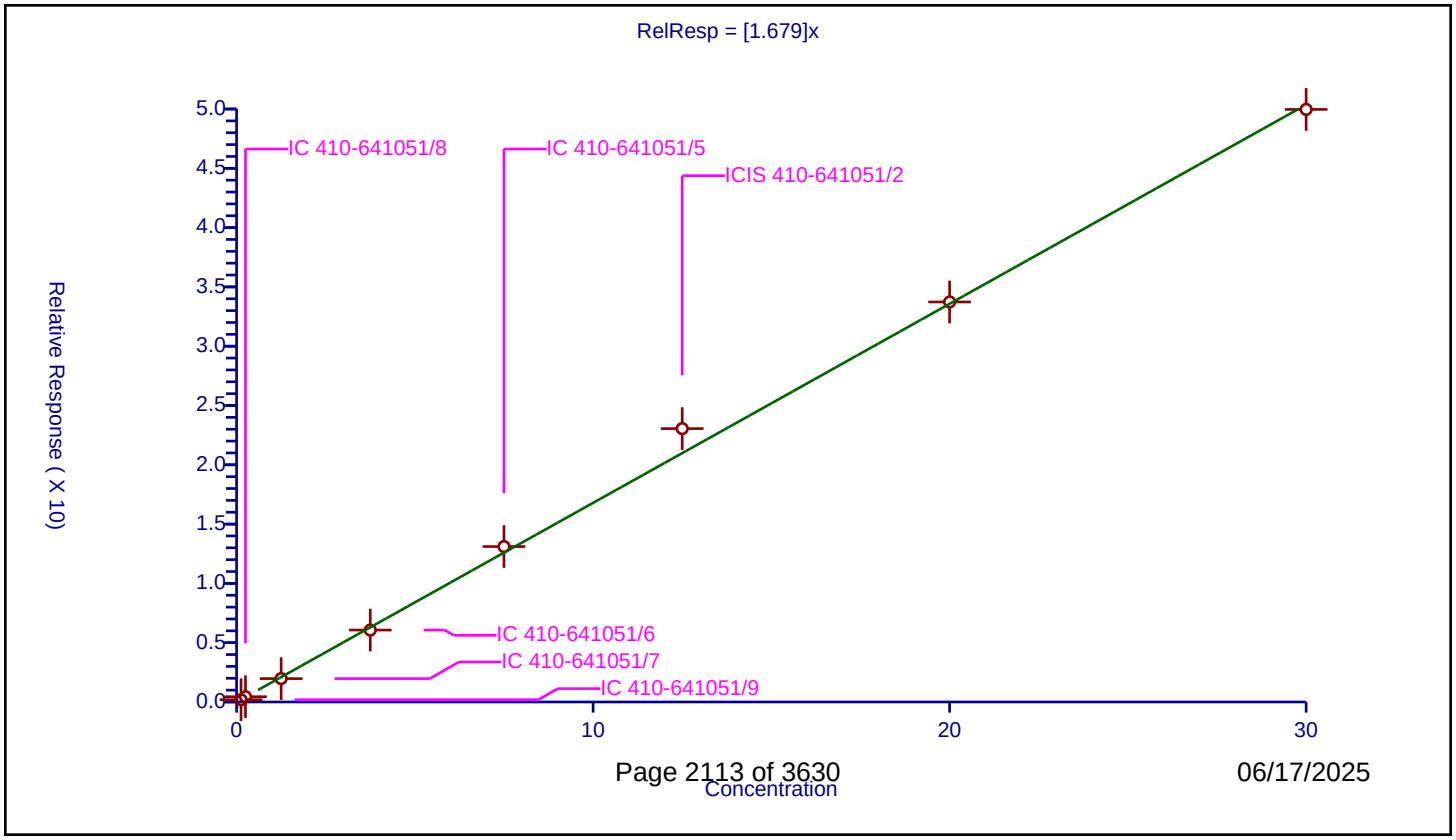
Curve Coefficients

Intercept:	0
Slope:	1.679

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.189937	5.0	379811.0	1.519493	Y
2	IC 410-641051/8	0.25	0.443091	5.0	385891.0	1.772366	Y
3	IC 410-641051/7	1.25	1.970985	5.0	394242.0	1.576788	Y
4	IC 410-641051/6	3.75	6.066197	5.0	424307.0	1.617653	Y
5	IC 410-641051/5	7.5	13.105483	5.0	403979.0	1.747398	Y
6	ICIS 410-641051/2	12.5	23.05128	5.0	463358.0	1.844102	Y
7	IC 410-641051/4	20.0	33.729125	5.0	437793.0	1.686456	Y
8	IC 410-641051/3	30.0	49.965374	5.0	411545.0	1.665512	Y



Calibration / 1-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

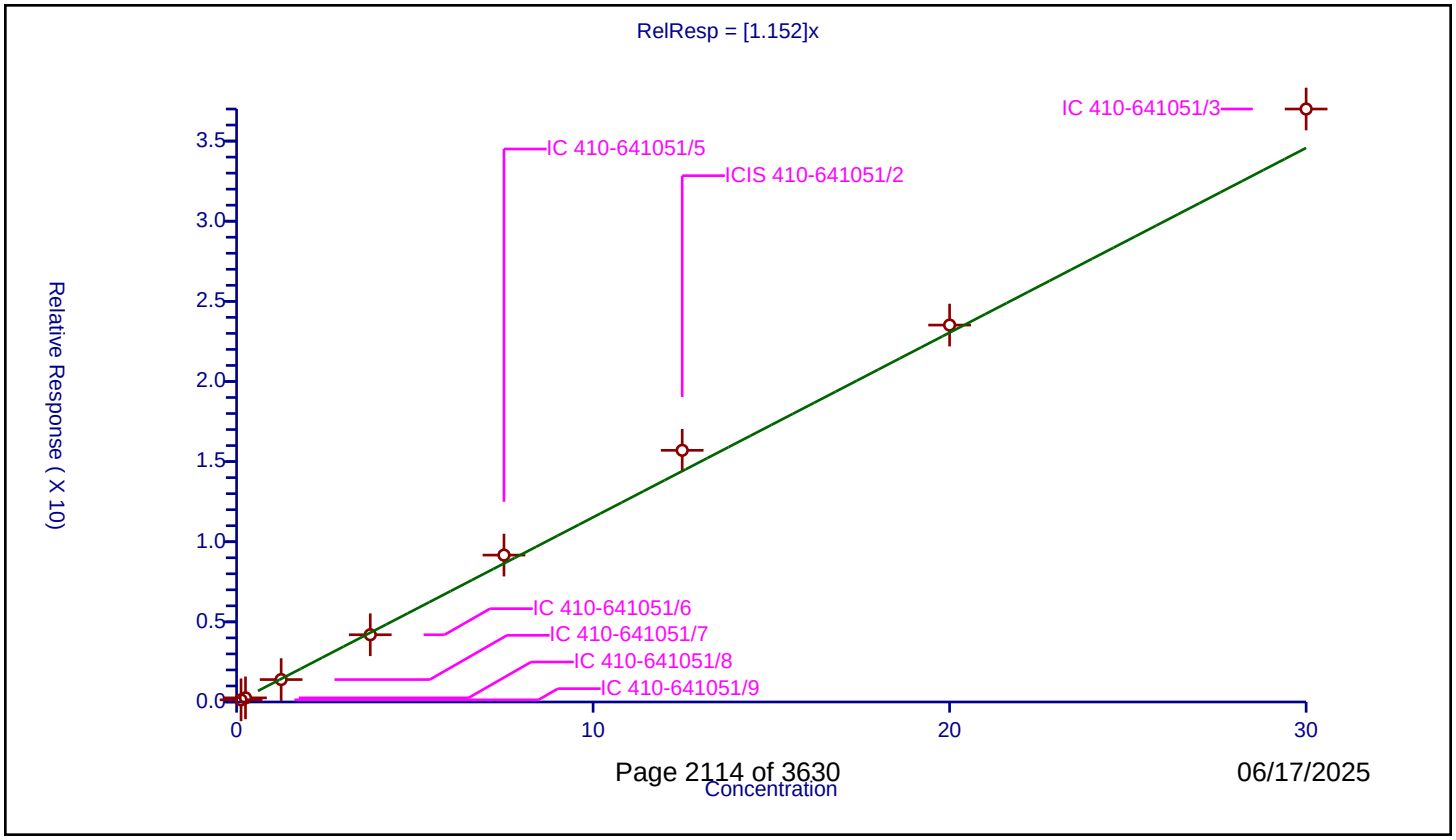
Curve Coefficients

Intercept:	0
Slope:	1.152

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.133264	5.0	379811.0	1.066109	Y
2	IC 410-641051/8	0.25	0.256951	5.0	385891.0	1.027803	Y
3	IC 410-641051/7	1.25	1.398722	5.0	394242.0	1.118978	Y
4	IC 410-641051/6	3.75	4.195005	5.0	424307.0	1.118668	Y
5	IC 410-641051/5	7.5	9.166293	5.0	403979.0	1.222172	Y
6	ICIS 410-641051/2	12.5	15.703646	5.0	463358.0	1.256292	Y
7	IC 410-641051/4	20.0	23.519323	5.0	437793.0	1.175966	Y
8	IC 410-641051/3	30.0	36.999526	5.0	411545.0	1.233318	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

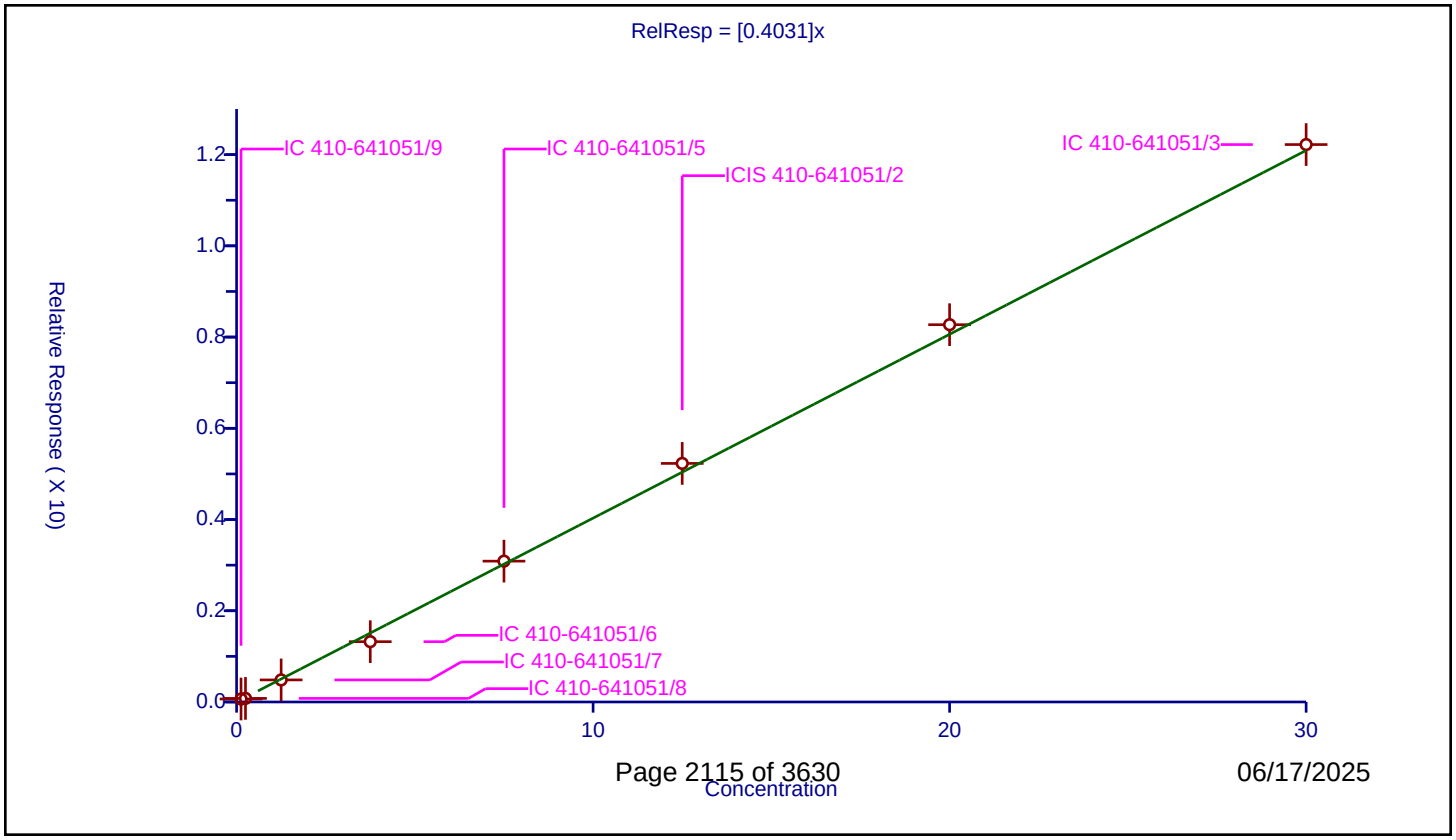
Curve Coefficients

Intercept:	0
Slope:	0.4031

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.065006	5.0	379811.0	0.520048	Y
2	IC 410-641051/8	0.25	0.078429	5.0	385891.0	0.313716	Y
3	IC 410-641051/7	1.25	0.483776	5.0	394242.0	0.387021	Y
4	IC 410-641051/6	3.75	1.322274	5.0	424307.0	0.352606	Y
5	IC 410-641051/5	7.5	3.08771	5.0	403979.0	0.411695	Y
6	ICIS 410-641051/2	12.5	5.230621	5.0	463358.0	0.41845	Y
7	IC 410-641051/4	20.0	8.271717	5.0	437793.0	0.413586	Y
8	IC 410-641051/3	30.0	12.220814	5.0	411545.0	0.40736	Y



06/17/2025

Calibration / 2-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

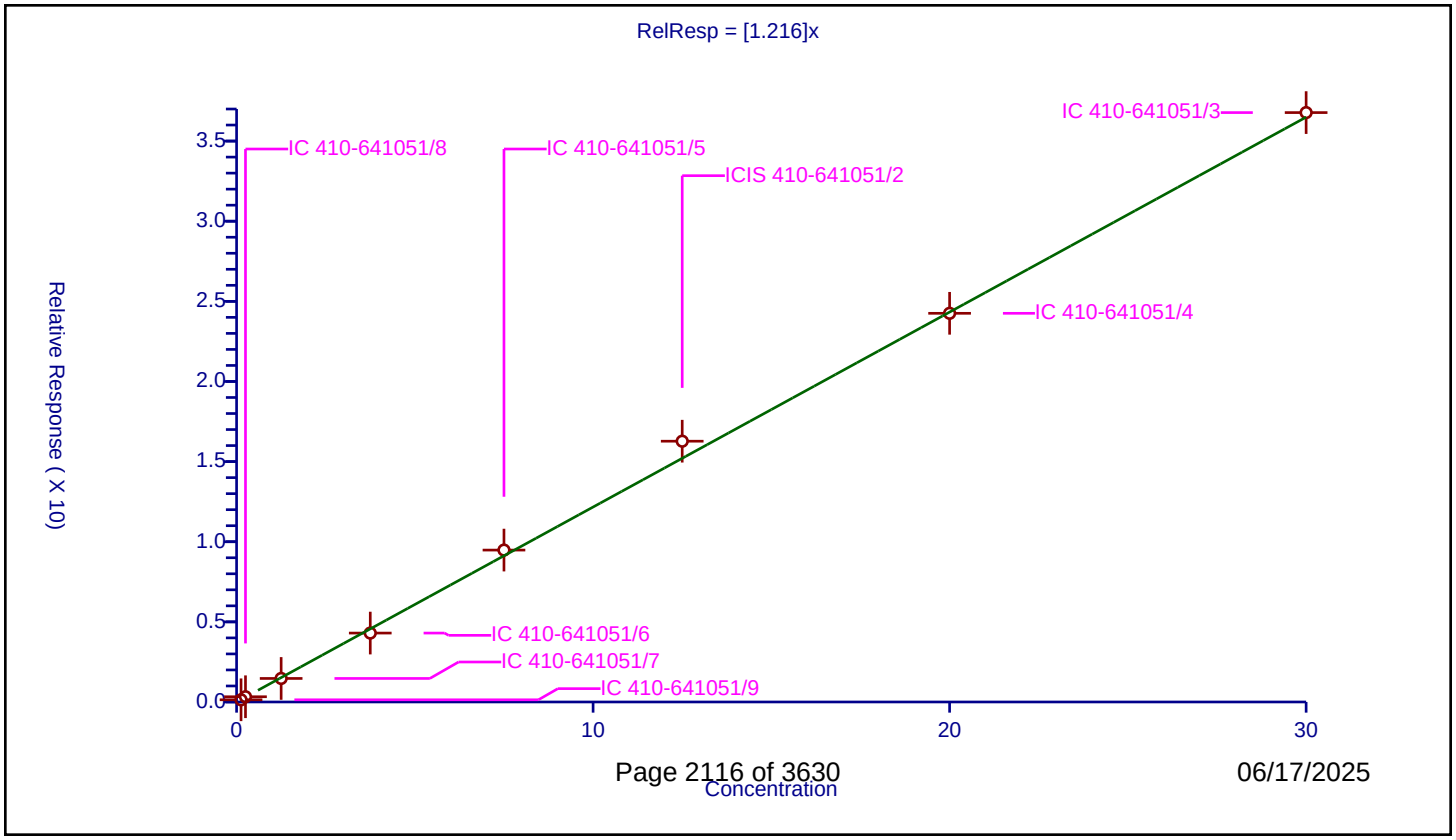
Curve Coefficients

Intercept:	0
Slope:	1.216

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.137292	5.0	379811.0	1.098336	Y
2	IC 410-641051/8	0.25	0.326945	5.0	385891.0	1.307779	Y
3	IC 410-641051/7	1.25	1.467867	5.0	394242.0	1.174294	Y
4	IC 410-641051/6	3.75	4.299941	5.0	424307.0	1.146651	Y
5	IC 410-641051/5	7.5	9.478785	5.0	403979.0	1.263838	Y
6	ICIS 410-641051/2	12.5	16.27313	5.0	463358.0	1.30185	Y
7	IC 410-641051/4	20.0	24.253083	5.0	437793.0	1.212654	Y
8	IC 410-641051/3	30.0	36.776294	5.0	411545.0	1.225876	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

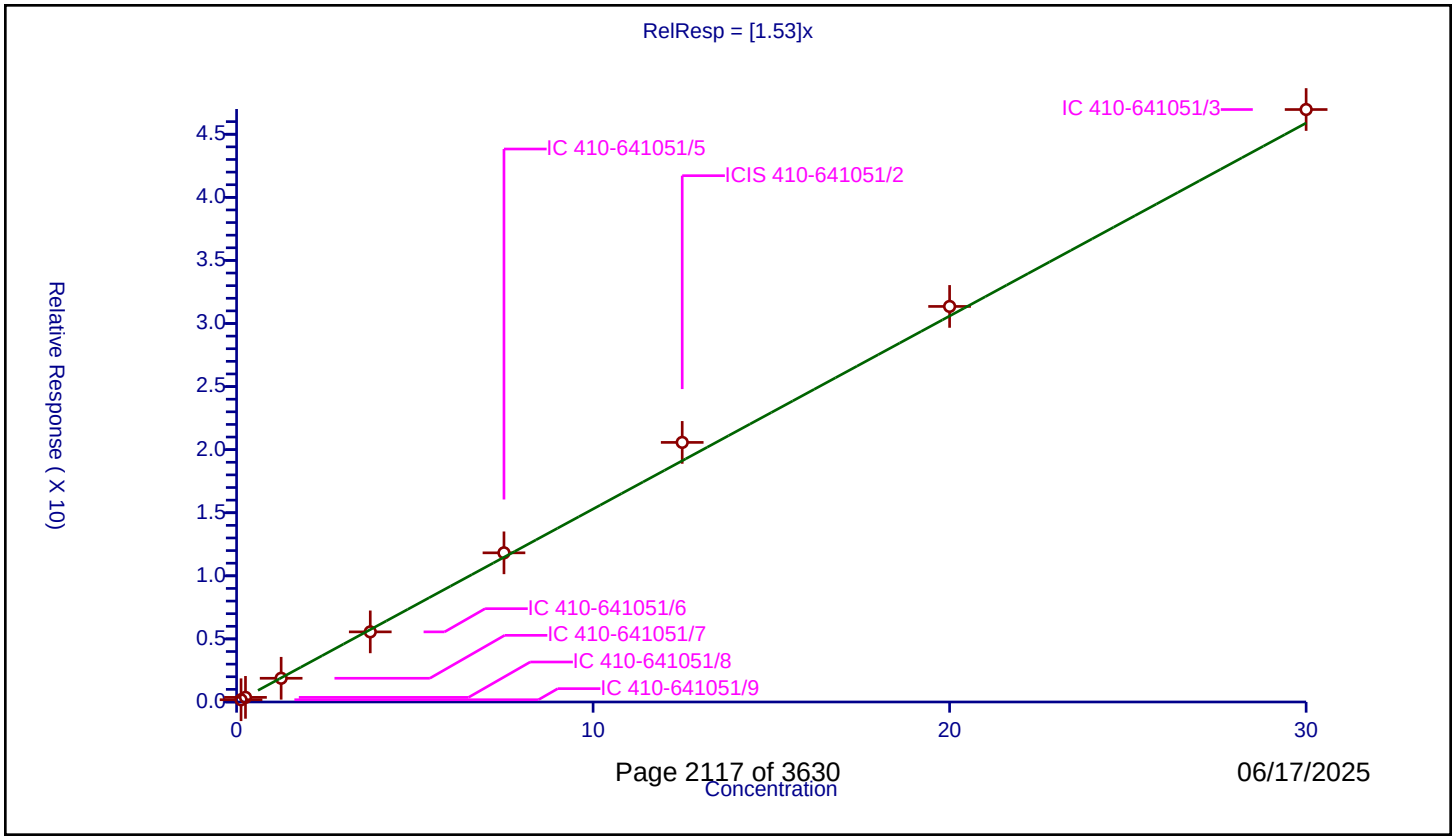
Curve Coefficients

Intercept:	0
Slope:	1.53

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.178957	5.0	379811.0	1.431659	Y
2	IC 410-641051/8	0.25	0.365855	5.0	385891.0	1.463418	Y
3	IC 410-641051/7	1.25	1.881065	5.0	394242.0	1.504852	Y
4	IC 410-641051/6	3.75	5.557474	5.0	424307.0	1.481993	Y
5	IC 410-641051/5	7.5	11.822855	5.0	403979.0	1.576381	Y
6	ICIS 410-641051/2	12.5	20.574739	5.0	463358.0	1.645979	Y
7	IC 410-641051/4	20.0	31.3521	5.0	437793.0	1.567605	Y
8	IC 410-641051/3	30.0	46.959931	5.0	411545.0	1.565331	Y



Calibration / Thionazin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

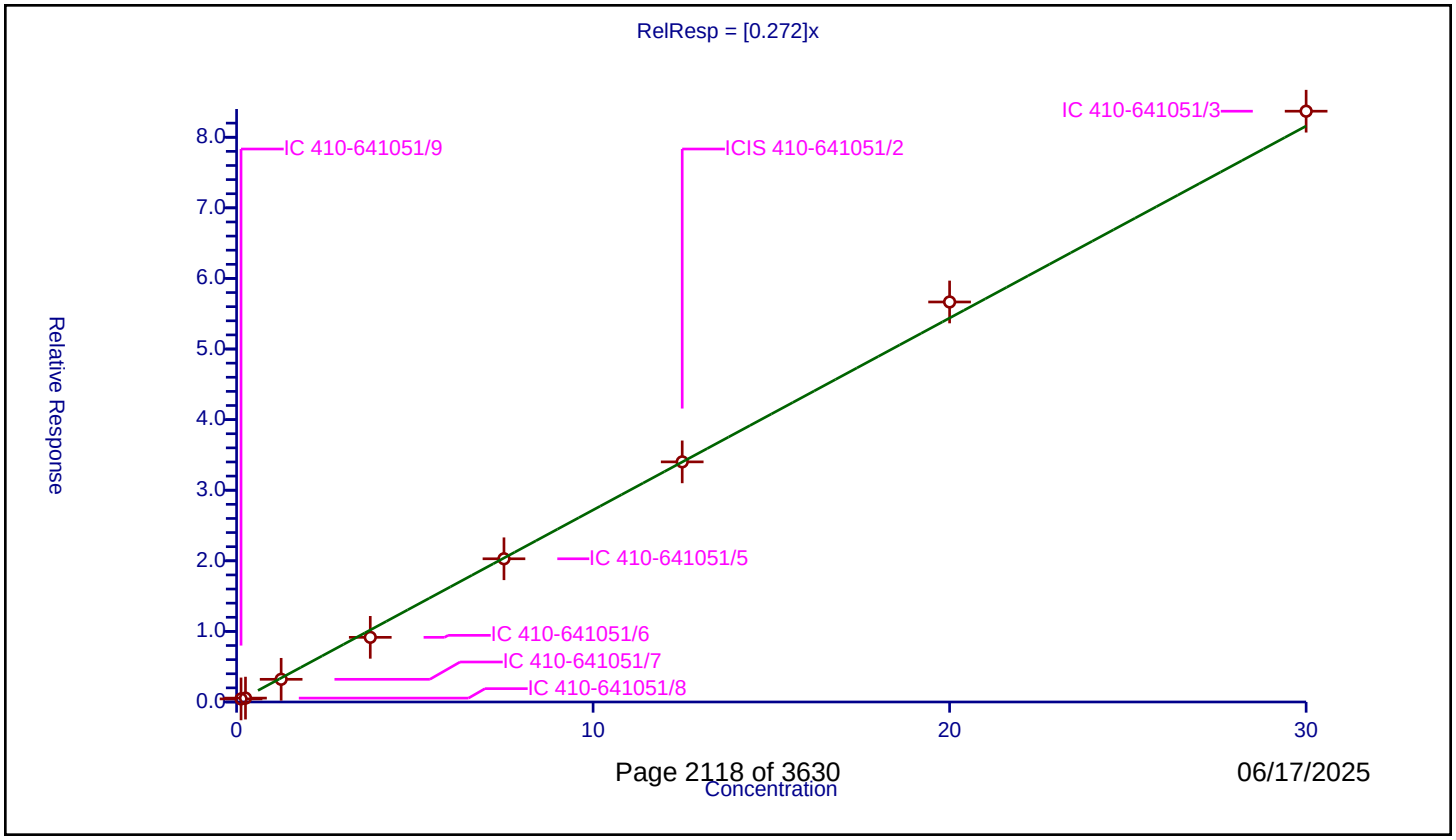
Curve Coefficients

Intercept:	0
Slope:	0.272

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.043653	5.0	379811.0	0.349226	Y
2	IC 410-641051/8	0.25	0.05508	5.0	385891.0	0.220321	Y
3	IC 410-641051/7	1.25	0.321161	5.0	394242.0	0.256928	Y
4	IC 410-641051/6	3.75	0.916047	5.0	424307.0	0.244279	Y
5	IC 410-641051/5	7.5	2.028719	5.0	403979.0	0.270496	Y
6	ICIS 410-641051/2	12.5	3.401646	5.0	463358.0	0.272132	Y
7	IC 410-641051/4	20.0	5.666662	5.0	437793.0	0.283333	Y
8	IC 410-641051/3	30.0	8.369024	5.0	411545.0	0.278967	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

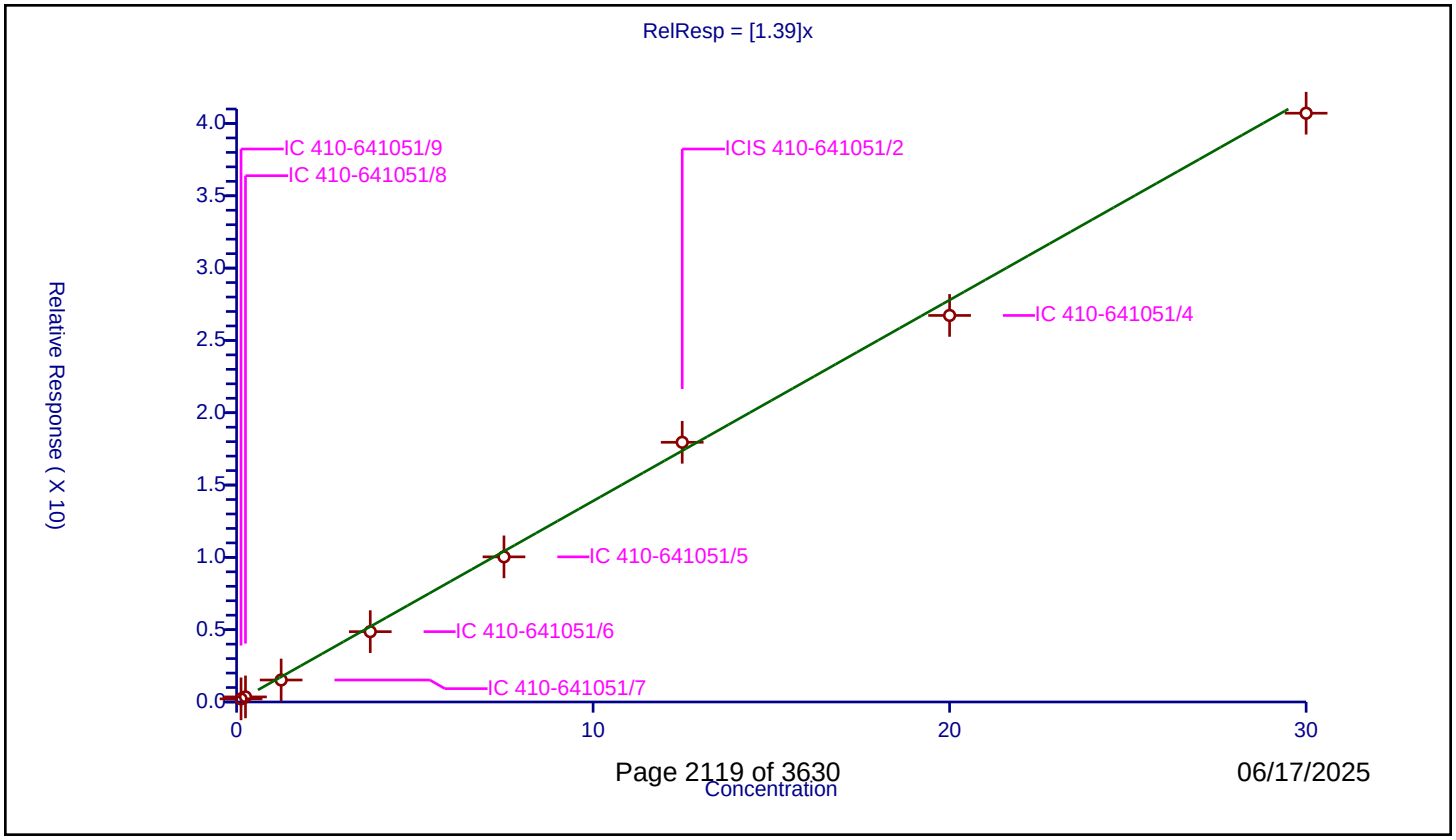
Curve Coefficients

Intercept:	0
Slope:	1.39

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.216502	5.0	379811.0	1.732019	Y
2	IC 410-641051/8	0.25	0.351278	5.0	385891.0	1.405112	Y
3	IC 410-641051/7	1.25	1.519333	5.0	394242.0	1.215467	Y
4	IC 410-641051/6	3.75	4.863825	5.0	424307.0	1.29702	Y
5	IC 410-641051/5	7.5	10.034989	5.0	403979.0	1.337999	Y
6	ICIS 410-641051/2	12.5	17.956623	5.0	463358.0	1.43653	Y
7	IC 410-641051/4	20.0	26.726295	5.0	437793.0	1.336315	Y
8	IC 410-641051/3	30.0	40.711271	5.0	411545.0	1.357042	Y



Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

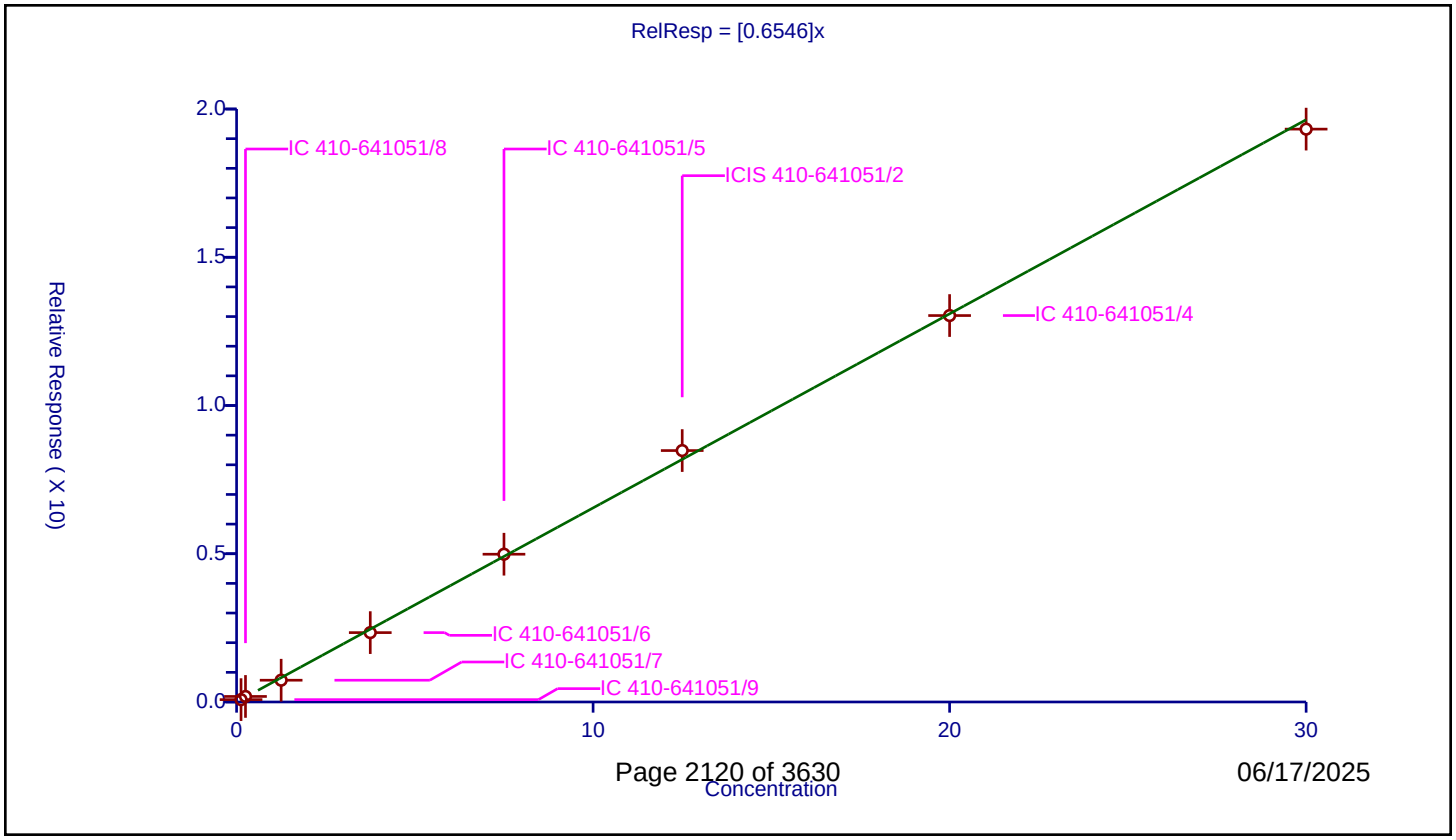
Curve Coefficients

Intercept:	0
Slope:	0.6546

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.080027	5.0	379811.0	0.640213	Y
2	IC 410-641051/8	0.25	0.186542	5.0	385891.0	0.746169	Y
3	IC 410-641051/7	1.25	0.734828	5.0	394242.0	0.587862	Y
4	IC 410-641051/6	3.75	2.339474	5.0	424307.0	0.62386	Y
5	IC 410-641051/5	7.5	4.984083	5.0	403979.0	0.664544	Y
6	ICIS 410-641051/2	12.5	8.480473	5.0	463358.0	0.678438	Y
7	IC 410-641051/4	20.0	13.034002	5.0	437793.0	0.6517	Y
8	IC 410-641051/3	30.0	19.321435	5.0	411545.0	0.644048	Y



Calibration / N-Nitro-o-toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

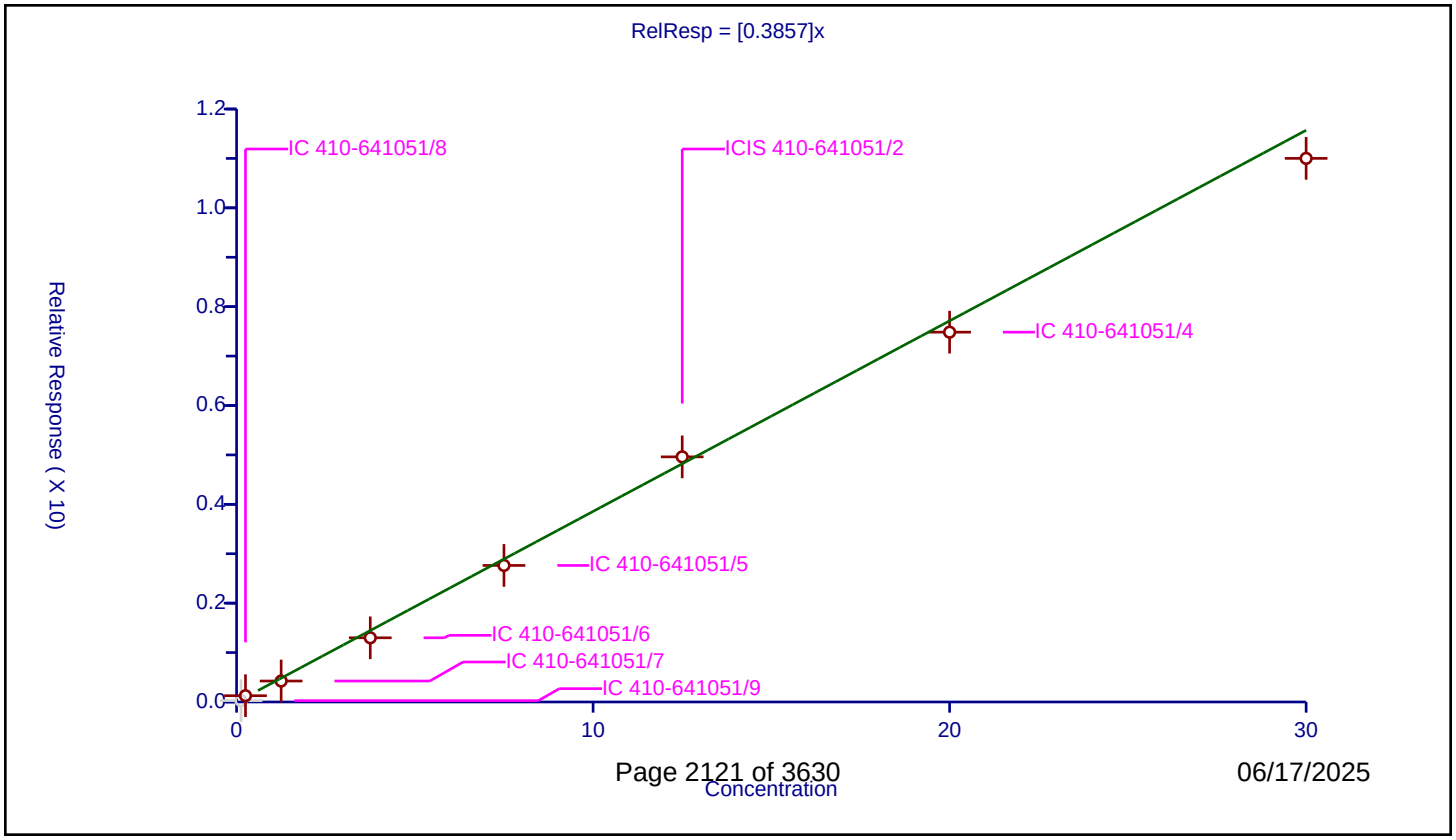
Curve Coefficients

Intercept:	0
Slope:	0.3857

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.027343	5.0	379811.0	0.21874	N
2	IC 410-641051/8	0.25	0.126888	5.0	385891.0	0.507553	Y
3	IC 410-641051/7	1.25	0.424206	5.0	394242.0	0.339365	Y
4	IC 410-641051/6	3.75	1.299142	5.0	424307.0	0.346438	Y
5	IC 410-641051/5	7.5	2.763498	5.0	403979.0	0.368466	Y
6	ICIS 410-641051/2	12.5	4.960916	5.0	463358.0	0.396873	Y
7	IC 410-641051/4	20.0	7.484062	5.0	437793.0	0.374203	Y
8	IC 410-641051/3	30.0	11.001239	5.0	411545.0	0.366708	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

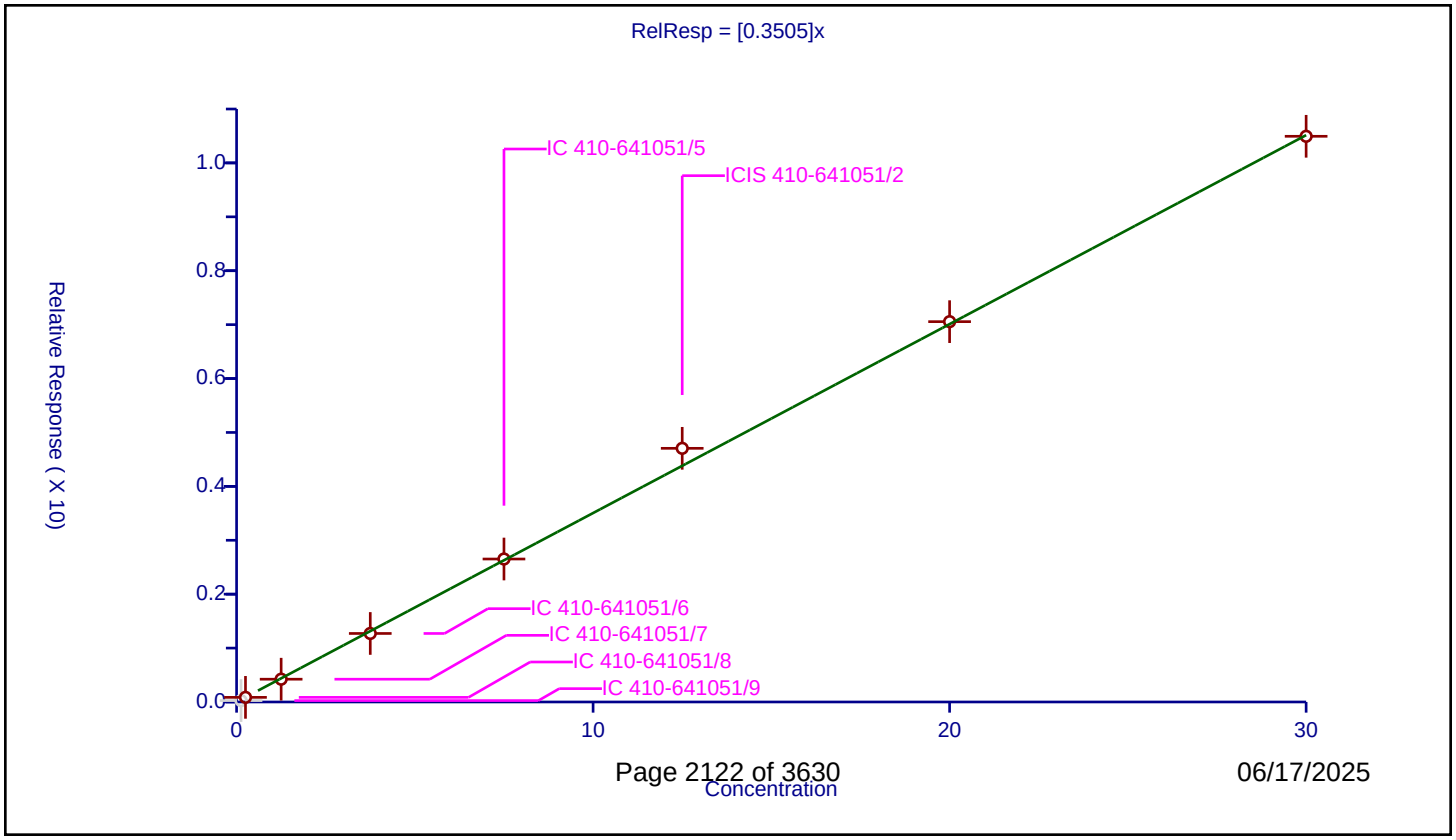
Curve Coefficients

Intercept:	0
Slope:	0.3505

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.026105	5.0	379811.0	0.208841	N
2	IC 410-641051/8	0.25	0.085931	5.0	385891.0	0.343724	Y
3	IC 410-641051/7	1.25	0.422735	5.0	394242.0	0.338188	Y
4	IC 410-641051/6	3.75	1.270849	5.0	424307.0	0.338893	Y
5	IC 410-641051/5	7.5	2.652403	5.0	403979.0	0.353654	Y
6	ICIS 410-641051/2	12.5	4.705638	5.0	463358.0	0.376451	Y
7	IC 410-641051/4	20.0	7.055515	5.0	437793.0	0.352776	Y
8	IC 410-641051/3	30.0	10.494174	5.0	411545.0	0.349806	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

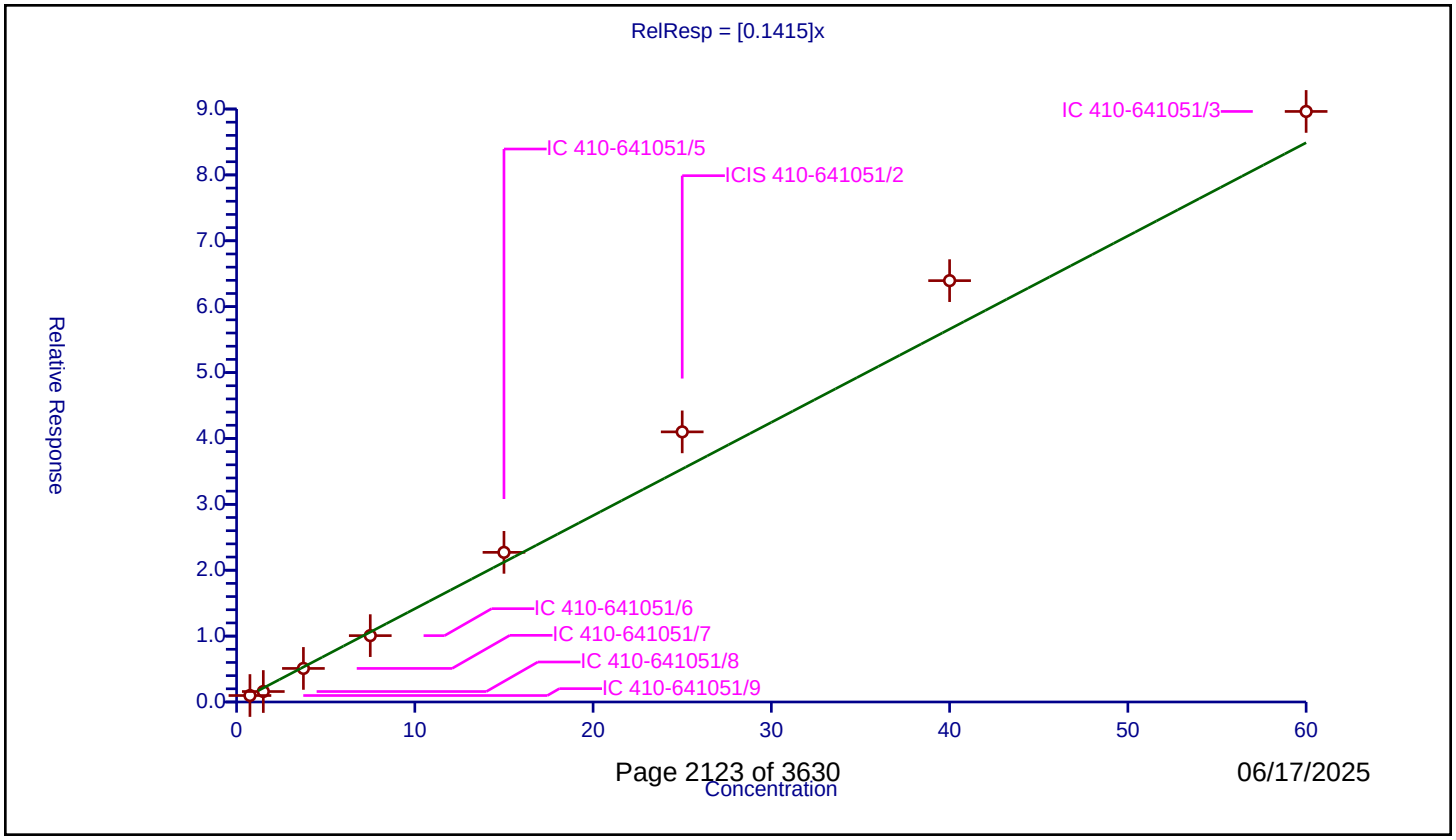
Curve Coefficients

Intercept:	0
Slope:	0.1415

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.75	0.098273	5.0	776661.0	0.131031	Y
2	IC 410-641051/8	1.5	0.158884	5.0	763891.0	0.105923	Y
3	IC 410-641051/7	3.75	0.509493	5.0	753435.0	0.135865	Y
4	IC 410-641051/6	7.5	1.007254	5.0	780250.0	0.134301	Y
5	IC 410-641051/5	15.0	2.271141	5.0	728024.0	0.151409	Y
6	ICIS 410-641051/2	25.0	4.099618	5.0	806658.0	0.163985	Y
7	IC 410-641051/4	40.0	6.395229	5.0	805341.0	0.159881	Y
8	IC 410-641051/3	60.0	8.963107	5.0	803087.0	0.149385	Y



06/17/2025

Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

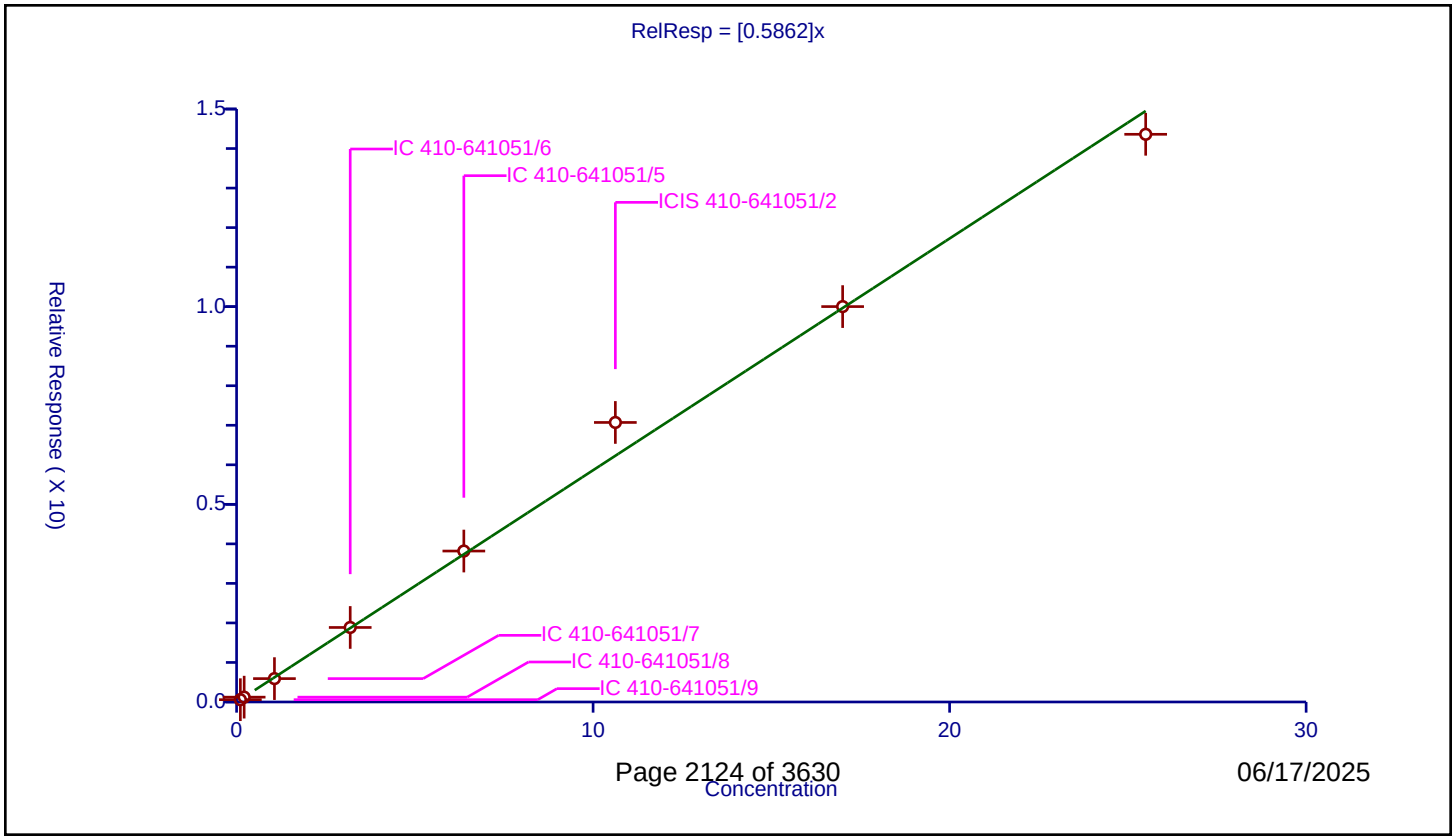
Curve Coefficients

Intercept:	0
Slope:	0.5862

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.10625	0.058526	5.0	776661.0	0.550835	Y
2	IC 410-641051/8	0.2125	0.12221	5.0	763891.0	0.575105	Y
3	IC 410-641051/7	1.0625	0.591292	5.0	753435.0	0.55651	Y
4	IC 410-641051/6	3.1875	1.885203	5.0	780250.0	0.591436	Y
5	IC 410-641051/5	6.375	3.81848	5.0	728024.0	0.598977	Y
6	ICIS 410-641051/2	10.625	7.071101	5.0	806658.0	0.665515	Y
7	IC 410-641051/4	17.0	10.002142	5.0	805341.0	0.588361	Y
8	IC 410-641051/3	25.5	14.36076	5.0	803087.0	0.563167	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

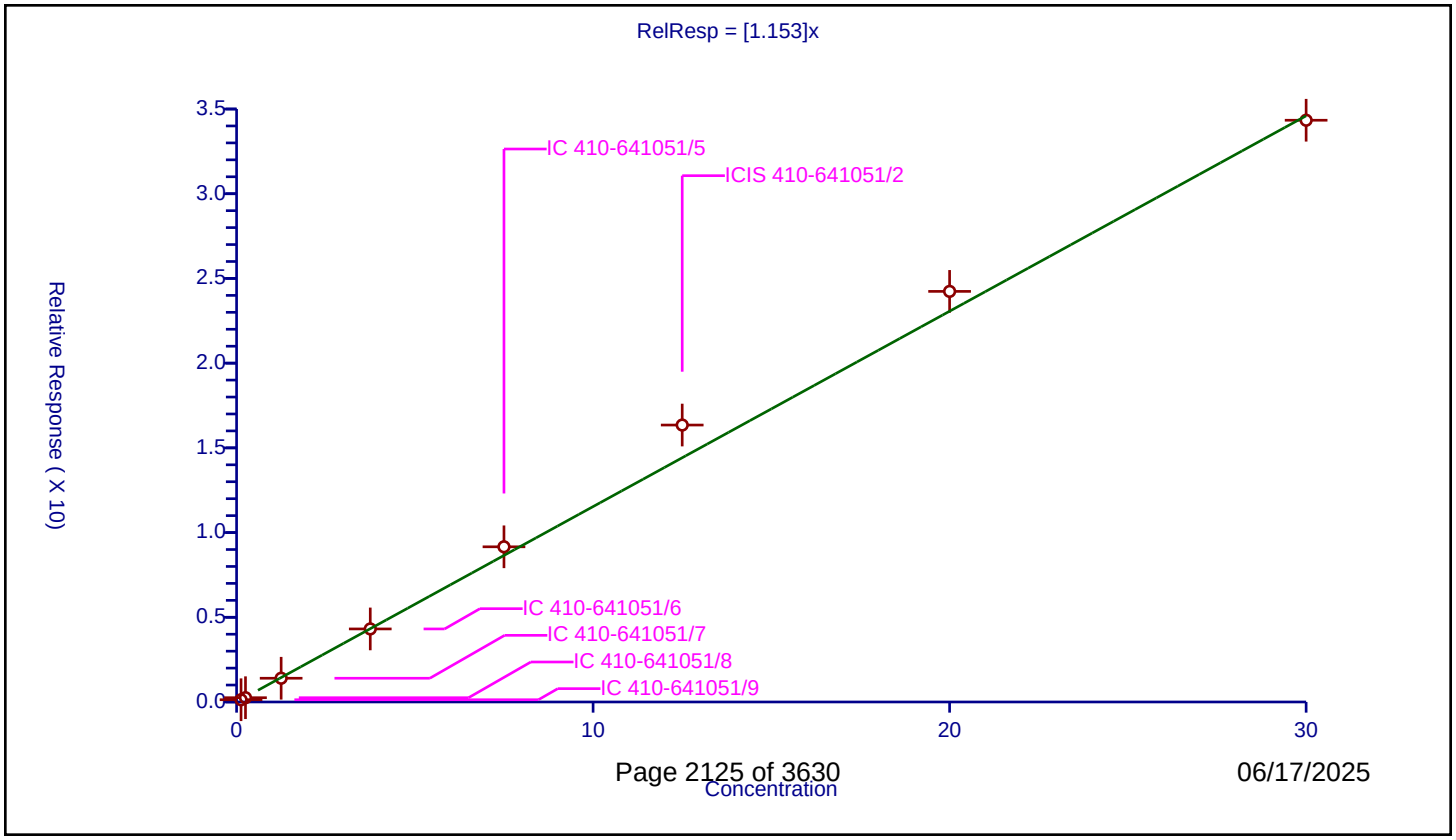
Curve Coefficients

Intercept:	0
Slope:	1.153

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.132606	5.0	776661.0	1.060849	Y
2	IC 410-641051/8	0.25	0.252143	5.0	763891.0	1.008573	Y
3	IC 410-641051/7	1.25	1.402132	5.0	753435.0	1.121705	Y
4	IC 410-641051/6	3.75	4.311451	5.0	780250.0	1.14972	Y
5	IC 410-641051/5	7.5	9.159568	5.0	728024.0	1.221276	Y
6	ICIS 410-641051/2	12.5	16.34645	5.0	806658.0	1.307716	Y
7	IC 410-641051/4	20.0	24.235541	5.0	805341.0	1.211777	Y
8	IC 410-641051/3	30.0	34.337594	5.0	803087.0	1.144586	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

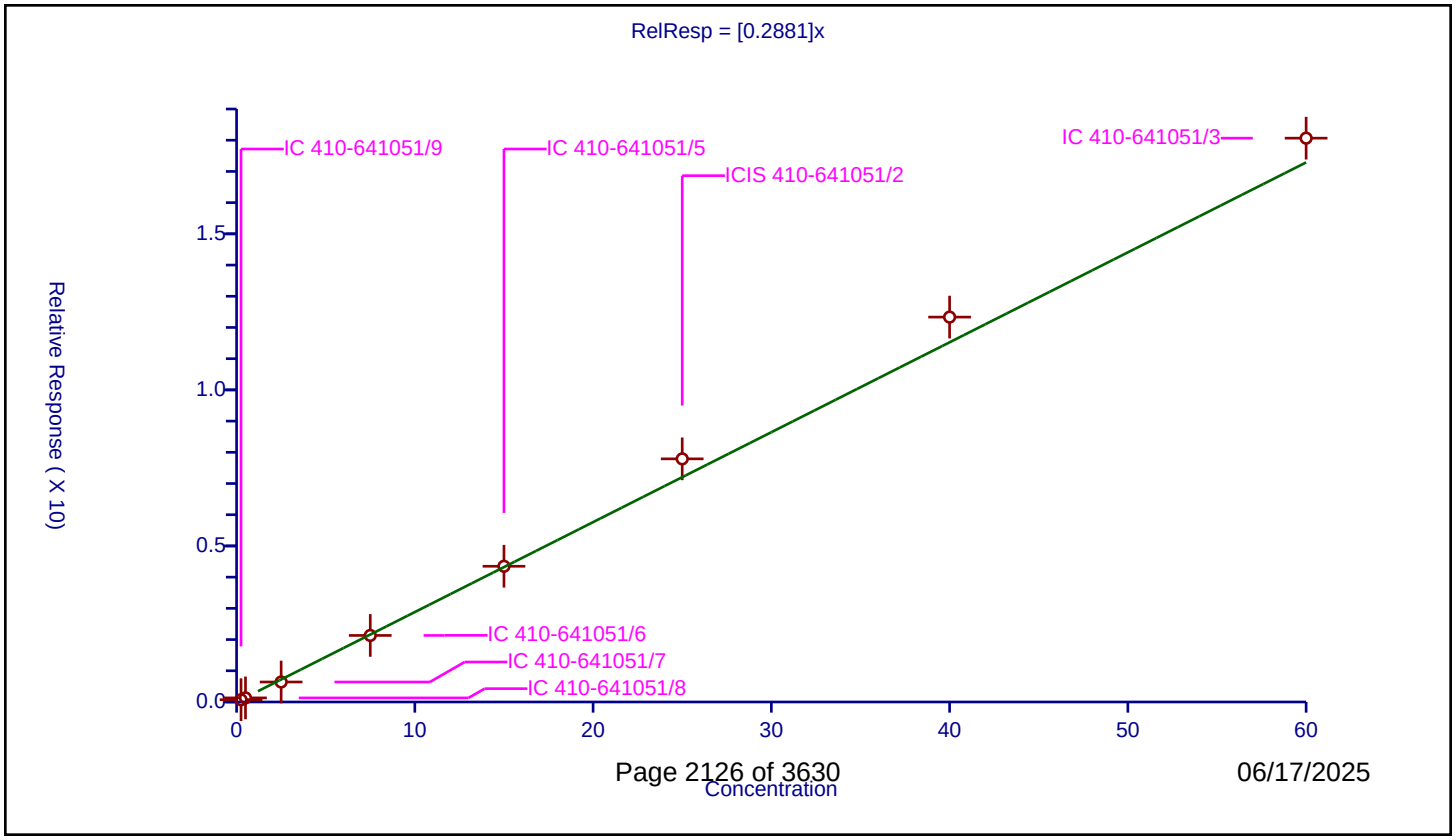
Curve Coefficients

Intercept:	0
Slope:	0.2881

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.072971	5.0	379811.0	0.291882	Y
2	IC 410-641051/8	0.5	0.130879	5.0	385891.0	0.261758	Y
3	IC 410-641051/7	2.5	0.640672	5.0	394242.0	0.256269	Y
4	IC 410-641051/6	7.5	2.131912	5.0	424307.0	0.284255	Y
5	IC 410-641051/5	15.0	4.348667	5.0	403979.0	0.289911	Y
6	ICIS 410-641051/2	25.0	7.790024	5.0	463358.0	0.311601	Y
7	IC 410-641051/4	40.0	12.332723	5.0	437793.0	0.308318	Y
8	IC 410-641051/3	60.0	18.065922	5.0	411545.0	0.301099	Y



Calibration / Sulfotepp

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

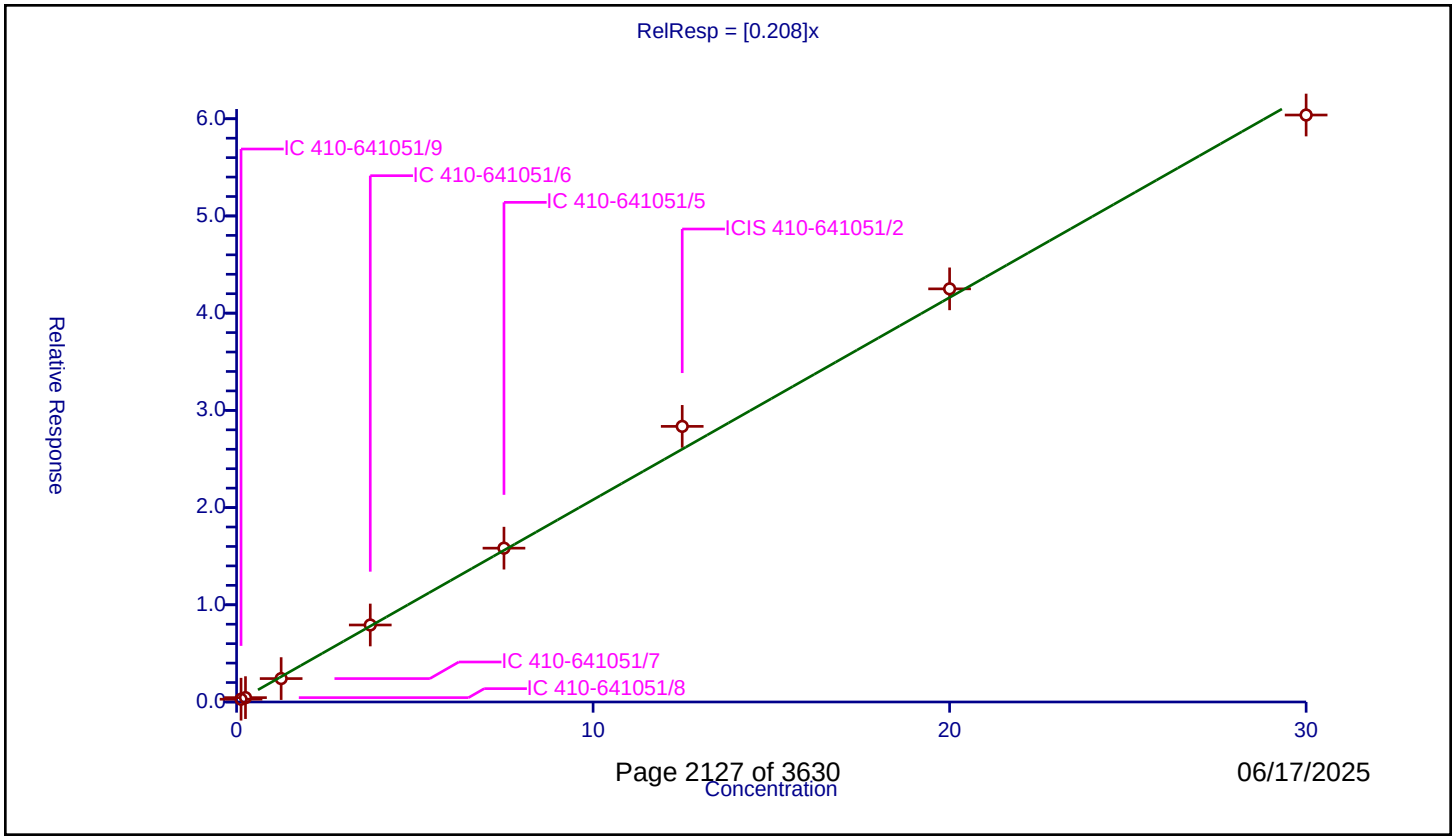
Curve Coefficients

Intercept:	0
Slope:	0.208

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.028745	5.0	776661.0	0.229959	Y
2	IC 410-641051/8	0.25	0.044732	5.0	763891.0	0.178926	Y
3	IC 410-641051/7	1.25	0.240791	5.0	753435.0	0.192632	Y
4	IC 410-641051/6	3.75	0.792105	5.0	780250.0	0.211228	Y
5	IC 410-641051/5	7.5	1.582503	5.0	728024.0	0.211	Y
6	ICIS 410-641051/2	12.5	2.83526	5.0	806658.0	0.226821	Y
7	IC 410-641051/4	20.0	4.249982	5.0	805341.0	0.212499	Y
8	IC 410-641051/3	30.0	6.038318	5.0	803087.0	0.201277	Y



Calibration / 1,3,5-Trinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

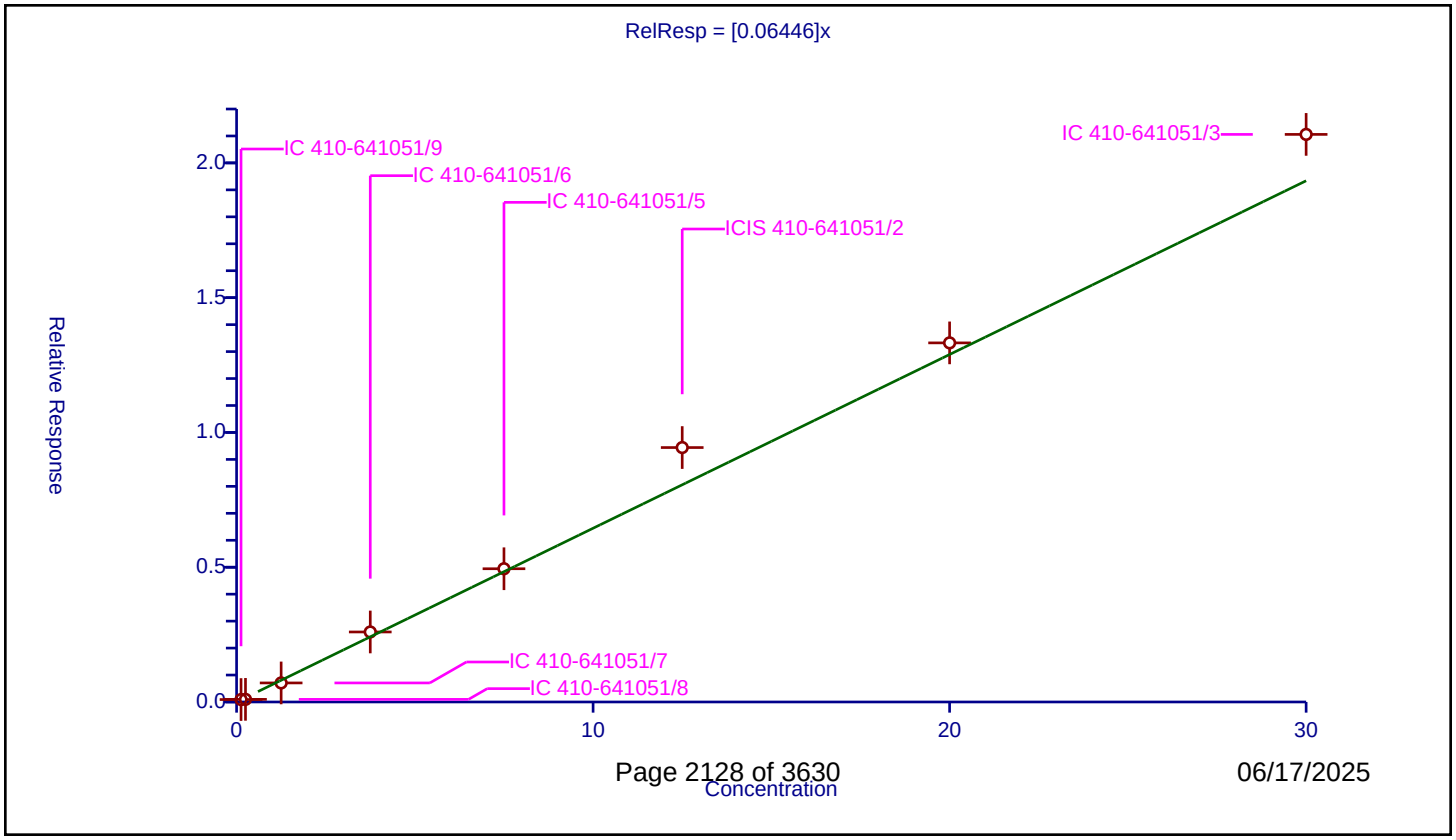
Curve Coefficients

Intercept:	0
Slope:	0.06446

Error Coefficients

Relative Standard Deviation:	18.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.009084	5.0	776661.0	0.07267	Y
2	IC 410-641051/8	0.25	0.009746	5.0	763891.0	0.038985	Y
3	IC 410-641051/7	1.25	0.07065	5.0	753435.0	0.05652	Y
4	IC 410-641051/6	3.75	0.259712	5.0	780250.0	0.069256	Y
5	IC 410-641051/5	7.5	0.494324	5.0	728024.0	0.06591	Y
6	ICIS 410-641051/2	12.5	0.943994	5.0	806658.0	0.075519	Y
7	IC 410-641051/4	20.0	1.332349	5.0	805341.0	0.066617	Y
8	IC 410-641051/3	30.0	2.105837	5.0	803087.0	0.070195	Y



Calibration / cis-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

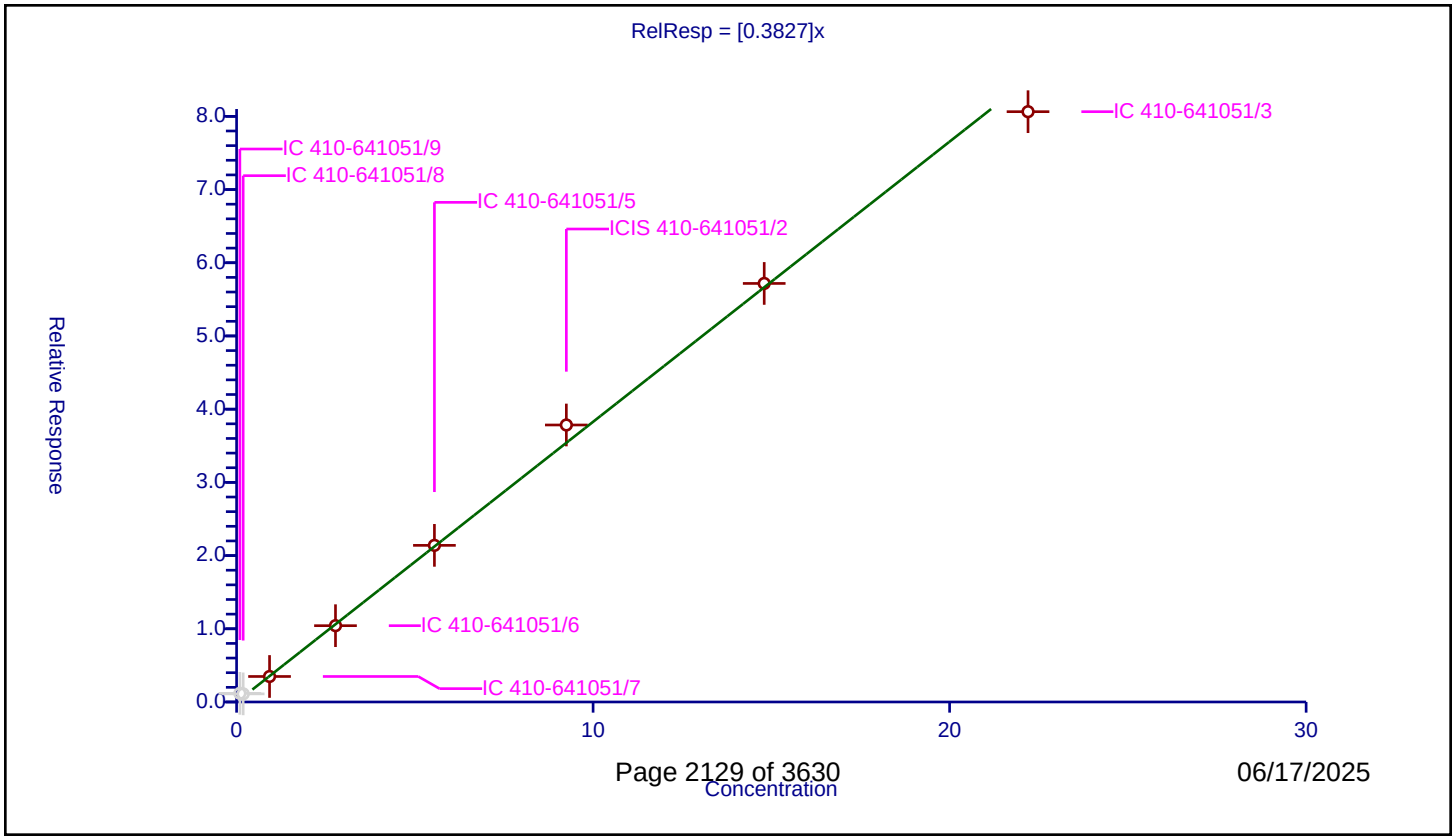
Curve Coefficients

Intercept:	0
Slope:	0.3827

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.0925	0.117703	5.0	776661.0	1.27246	N
2	IC 410-641051/8	0.185	0.110808	5.0	763891.0	0.598961	N
3	IC 410-641051/7	0.925	0.348252	5.0	753435.0	0.376488	Y
4	IC 410-641051/6	2.775	1.042525	5.0	780250.0	0.375685	Y
5	IC 410-641051/5	5.55	2.139655	5.0	728024.0	0.385523	Y
6	ICIS 410-641051/2	9.25	3.783853	5.0	806658.0	0.409065	Y
7	IC 410-641051/4	14.8	5.717367	5.0	805341.0	0.386309	Y
8	IC 410-641051/3	22.2	8.063647	5.0	803087.0	0.363227	Y



Calibration / Phorate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

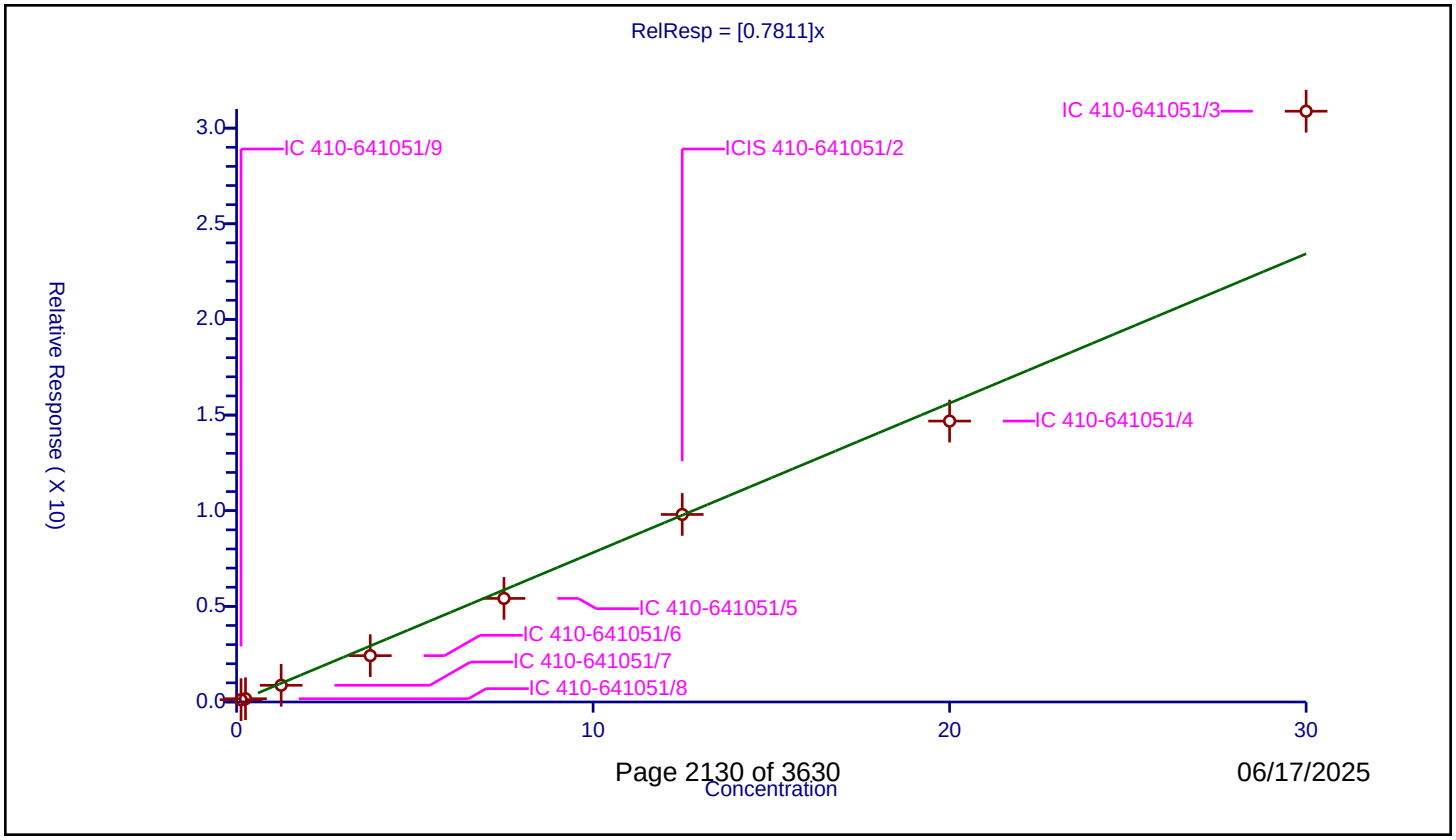
Curve Coefficients

Intercept:	0
Slope:	0.7811

Error Coefficients

Relative Standard Deviation:	17.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.118771	5.0	776661.0	0.95017	Y
2	IC 410-641051/8	0.25	0.170862	5.0	763891.0	0.683448	Y
3	IC 410-641051/7	1.25	0.873406	5.0	753435.0	0.698725	Y
4	IC 410-641051/6	3.75	2.422922	5.0	780250.0	0.646113	Y
5	IC 410-641051/5	7.5	5.415831	5.0	728024.0	0.722111	Y
6	ICIS 410-641051/2	12.5	9.804657	5.0	806658.0	0.784373	Y
7	IC 410-641051/4	20.0	14.686586	5.0	805341.0	0.734329	Y
8	IC 410-641051/3	30.0	30.885726	5.0	803087.0	1.029524	Y



Calibration / Phenacetin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

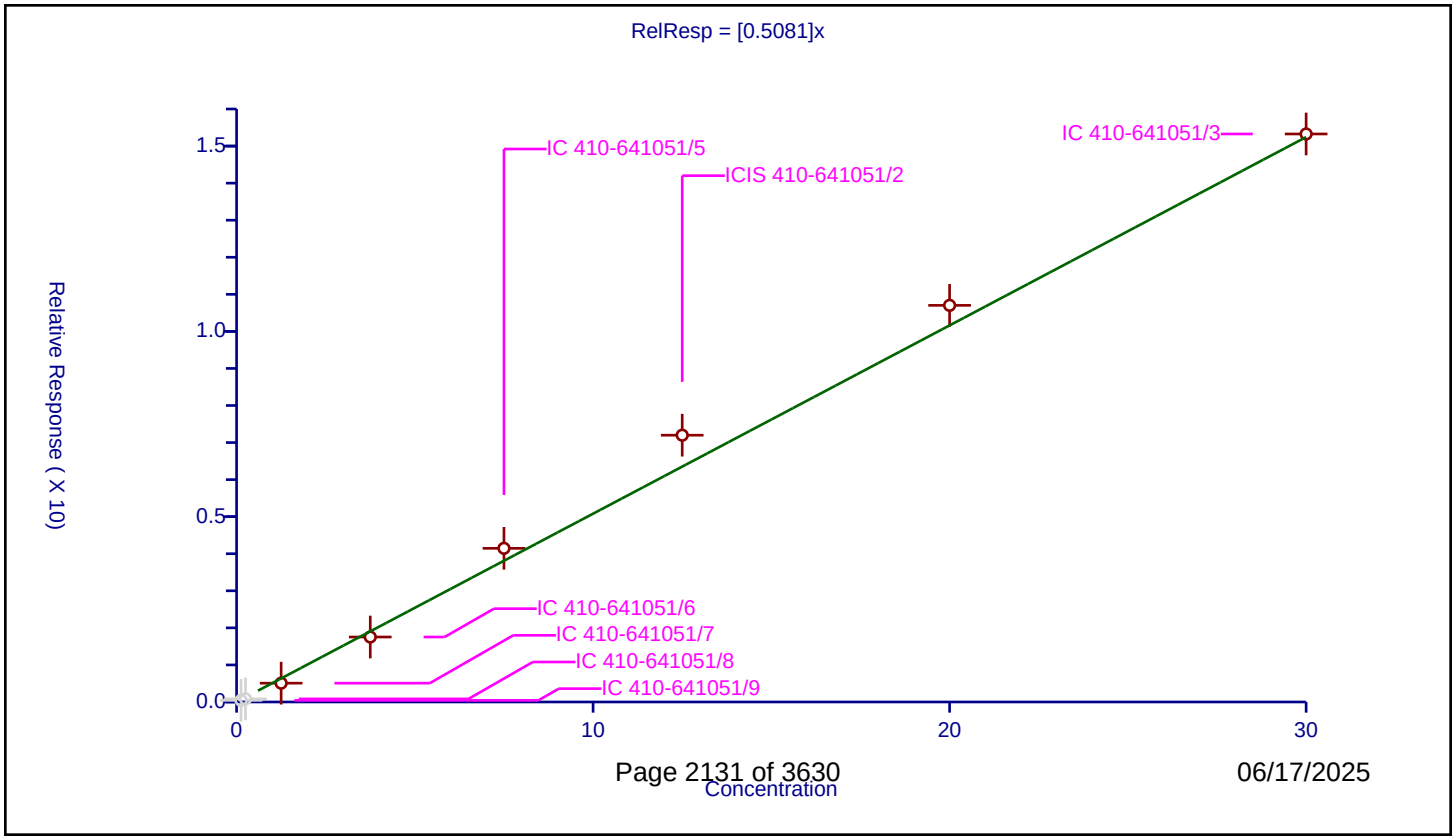
Curve Coefficients

Intercept:	0
Slope:	0.5081

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.044363	5.0	776661.0	0.354904	N
2	IC 410-641051/8	0.25	0.083827	5.0	763891.0	0.33531	N
3	IC 410-641051/7	1.25	0.507794	5.0	753435.0	0.406235	Y
4	IC 410-641051/6	3.75	1.753015	5.0	780250.0	0.467471	Y
5	IC 410-641051/5	7.5	4.146443	5.0	728024.0	0.552859	Y
6	ICIS 410-641051/2	12.5	7.1988	5.0	806658.0	0.575904	Y
7	IC 410-641051/4	20.0	10.702255	5.0	805341.0	0.535113	Y
8	IC 410-641051/3	30.0	15.326621	5.0	803087.0	0.510887	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

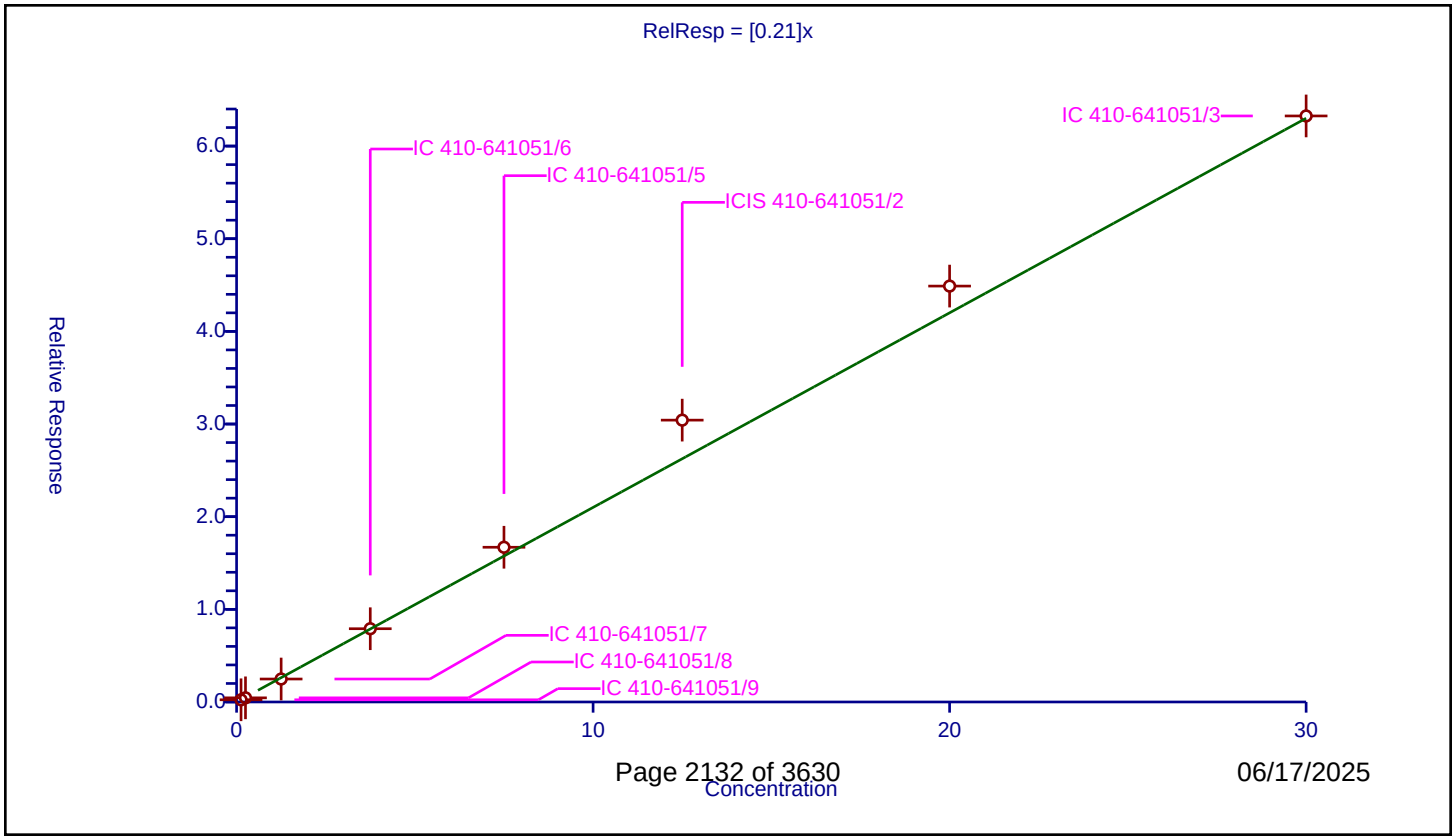
Curve Coefficients

Intercept:	0
Slope:	0.21

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.023813	5.0	776661.0	0.190508	Y
2	IC 410-641051/8	0.25	0.044777	5.0	763891.0	0.179109	Y
3	IC 410-641051/7	1.25	0.247871	5.0	753435.0	0.198297	Y
4	IC 410-641051/6	3.75	0.790753	5.0	780250.0	0.210867	Y
5	IC 410-641051/5	7.5	1.670034	5.0	728024.0	0.222671	Y
6	ICIS 410-641051/2	12.5	3.041921	5.0	806658.0	0.243354	Y
7	IC 410-641051/4	20.0	4.488999	5.0	805341.0	0.22445	Y
8	IC 410-641051/3	30.0	6.325087	5.0	803087.0	0.210836	Y



Calibration / trans-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

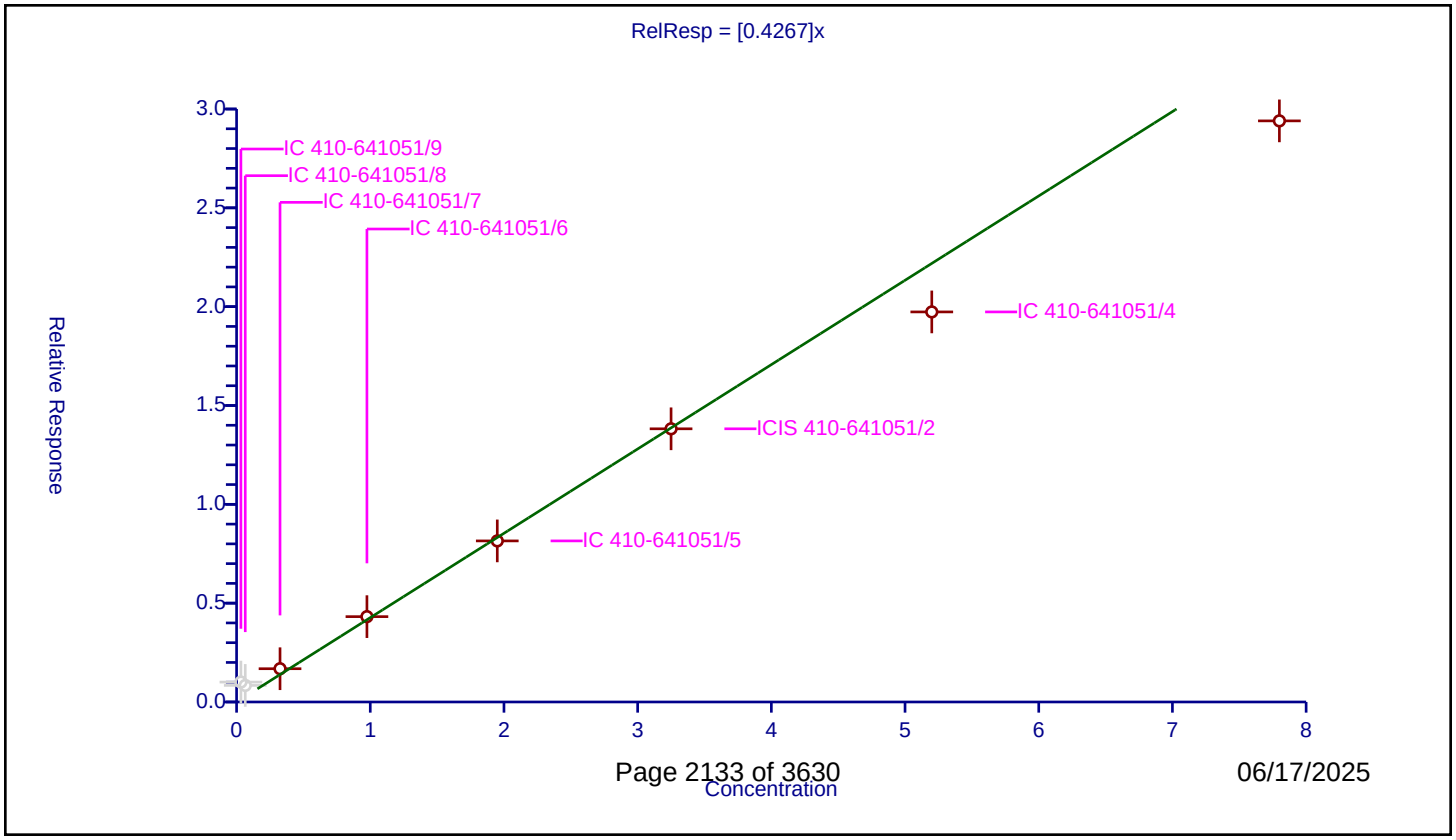
Curve Coefficients

Intercept:	0
Slope:	0.4267

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.0325	0.100694	5.0	776661.0	3.098273	N
2	IC 410-641051/8	0.065	0.08388	5.0	763891.0	1.290458	N
3	IC 410-641051/7	0.325	0.168243	5.0	753435.0	0.51767	Y
4	IC 410-641051/6	0.975	0.431817	5.0	780250.0	0.442889	Y
5	IC 410-641051/5	1.95	0.814959	5.0	728024.0	0.417928	Y
6	ICIS 410-641051/2	3.25	1.382116	5.0	806658.0	0.425266	Y
7	IC 410-641051/4	5.2	1.973419	5.0	805341.0	0.379504	Y
8	IC 410-641051/3	7.8	2.940011	5.0	803087.0	0.376925	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

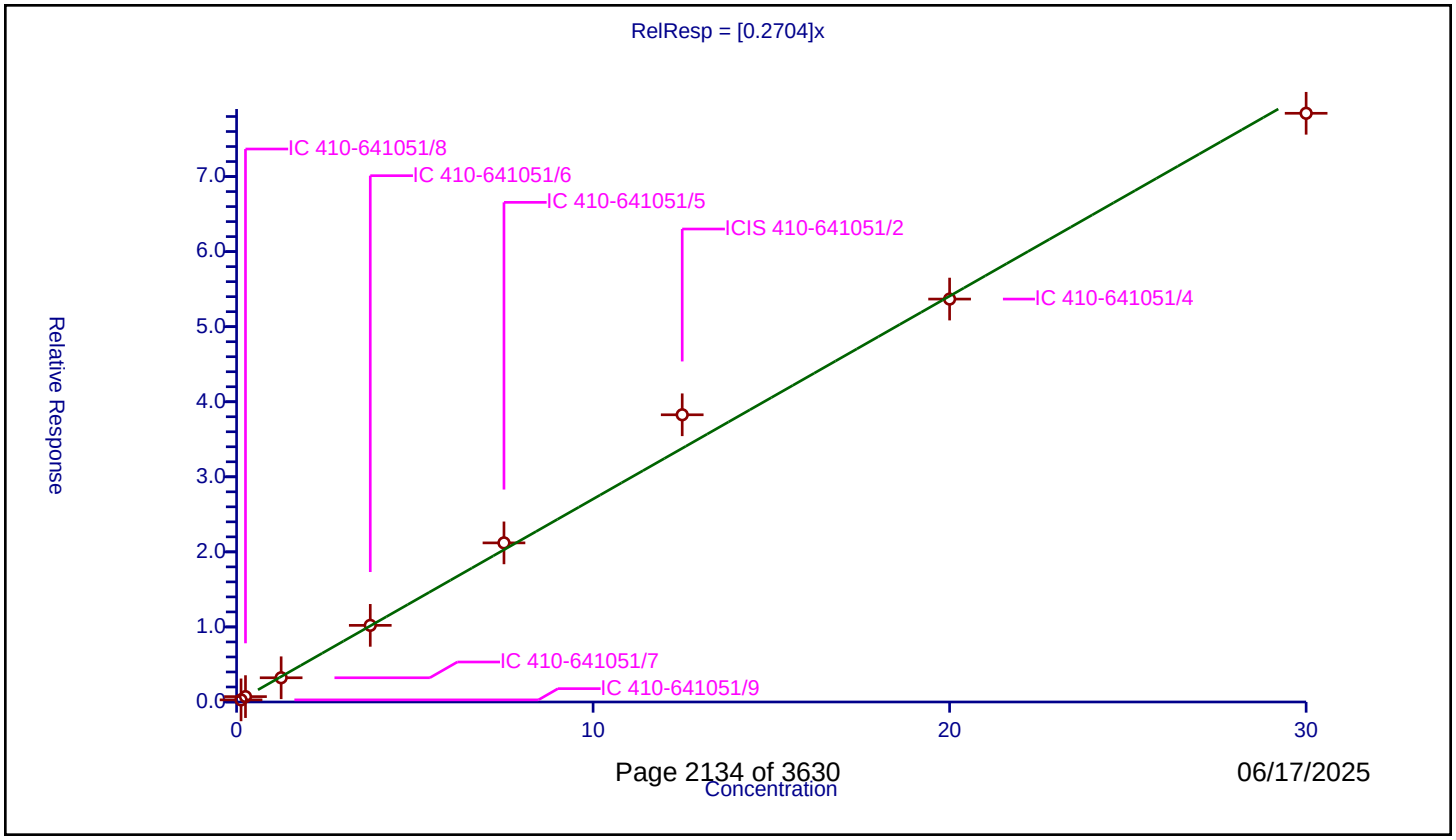
Curve Coefficients

Intercept:	0
Slope:	0.2704

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.028378	5.0	776661.0	0.227023	Y
2	IC 410-641051/8	0.25	0.071738	5.0	763891.0	0.286952	Y
3	IC 410-641051/7	1.25	0.322748	5.0	753435.0	0.258199	Y
4	IC 410-641051/6	3.75	1.020737	5.0	780250.0	0.272197	Y
5	IC 410-641051/5	7.5	2.119855	5.0	728024.0	0.282647	Y
6	ICIS 410-641051/2	12.5	3.826355	5.0	806658.0	0.306108	Y
7	IC 410-641051/4	20.0	5.367906	5.0	805341.0	0.268395	Y
8	IC 410-641051/3	30.0	7.84331	5.0	803087.0	0.261444	Y



Calibration / Dimethoate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

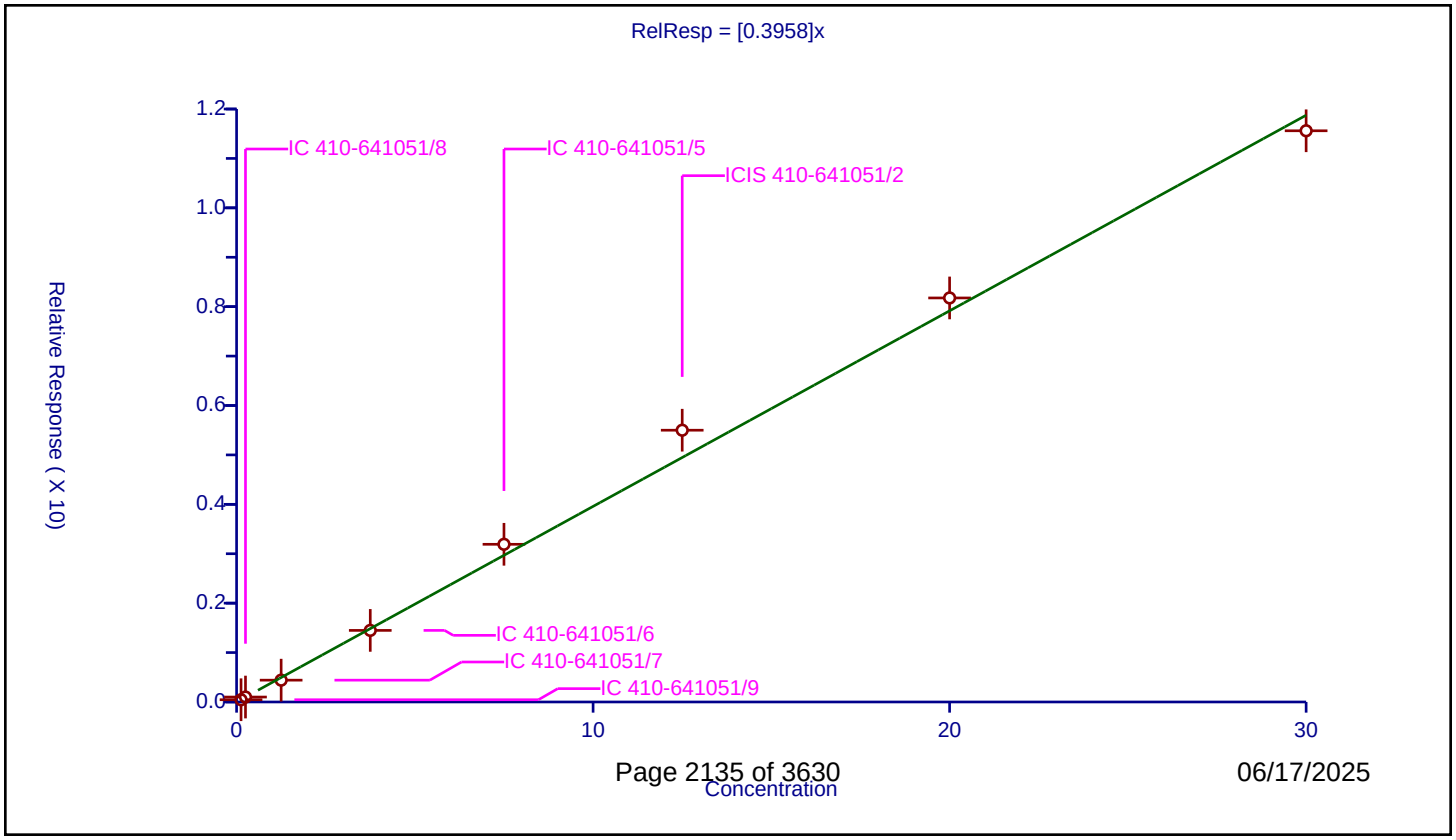
Curve Coefficients

Intercept:	0
Slope:	0.3958

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.045702	5.0	776661.0	0.365616	Y
2	IC 410-641051/8	0.25	0.100342	5.0	763891.0	0.401366	Y
3	IC 410-641051/7	1.25	0.441949	5.0	753435.0	0.353559	Y
4	IC 410-641051/6	3.75	1.448484	5.0	780250.0	0.386263	Y
5	IC 410-641051/5	7.5	3.191385	5.0	728024.0	0.425518	Y
6	ICIS 410-641051/2	12.5	5.499883	5.0	806658.0	0.439991	Y
7	IC 410-641051/4	20.0	8.176673	5.0	805341.0	0.408834	Y
8	IC 410-641051/3	30.0	11.559843	5.0	803087.0	0.385328	Y



Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

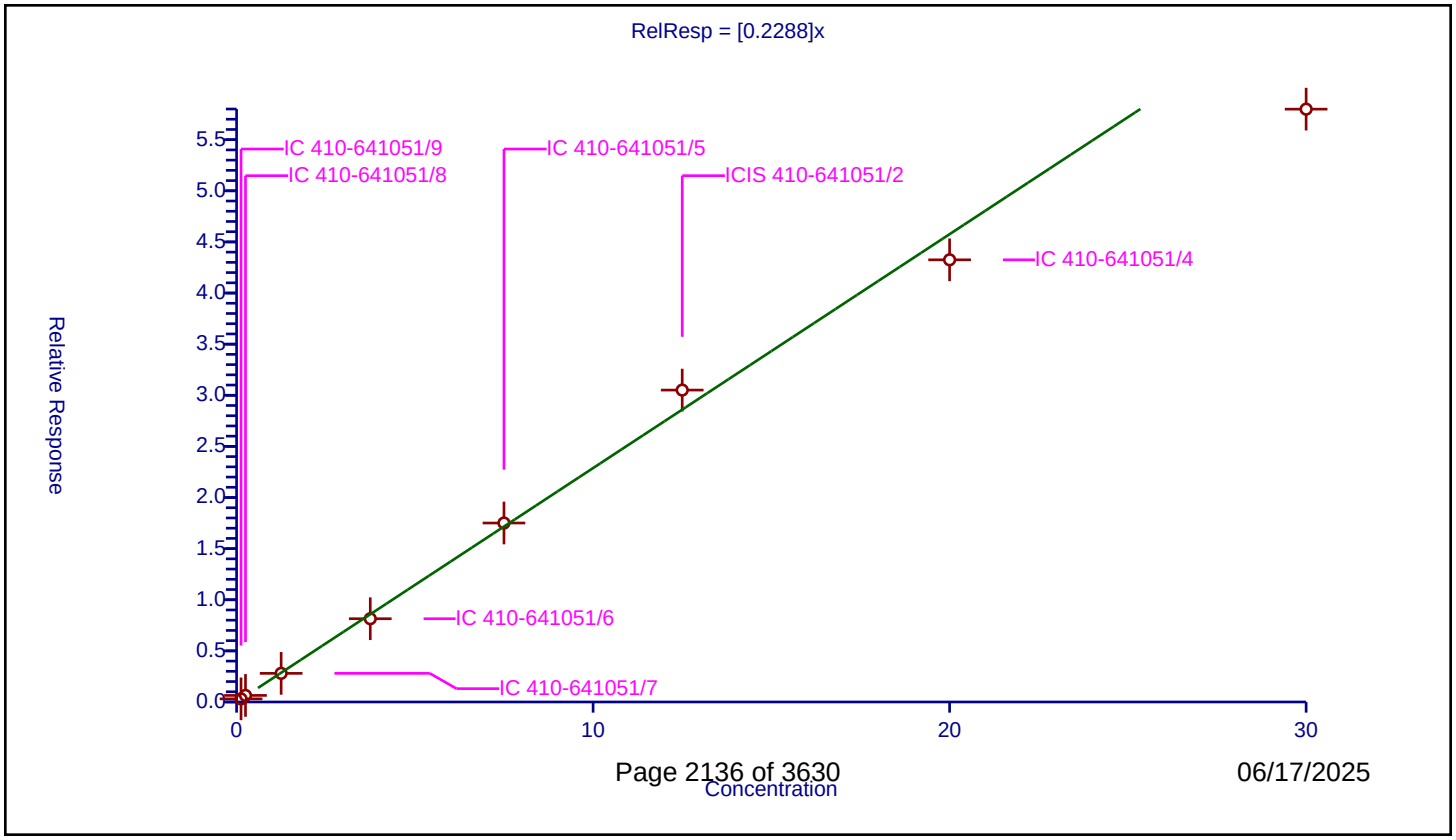
Curve Coefficients

Intercept:	0
Slope:	0.2288

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.030663	5.0	776661.0	0.245307	Y
2	IC 410-641051/8	0.25	0.064191	5.0	763891.0	0.256764	Y
3	IC 410-641051/7	1.25	0.280037	5.0	753435.0	0.22403	Y
4	IC 410-641051/6	3.75	0.814418	5.0	780250.0	0.217178	Y
5	IC 410-641051/5	7.5	1.750588	5.0	728024.0	0.233412	Y
6	ICIS 410-641051/2	12.5	3.050748	5.0	806658.0	0.24406	Y
7	IC 410-641051/4	20.0	4.325044	5.0	805341.0	0.216252	Y
8	IC 410-641051/3	30.0	5.798569	5.0	803087.0	0.193286	Y



Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

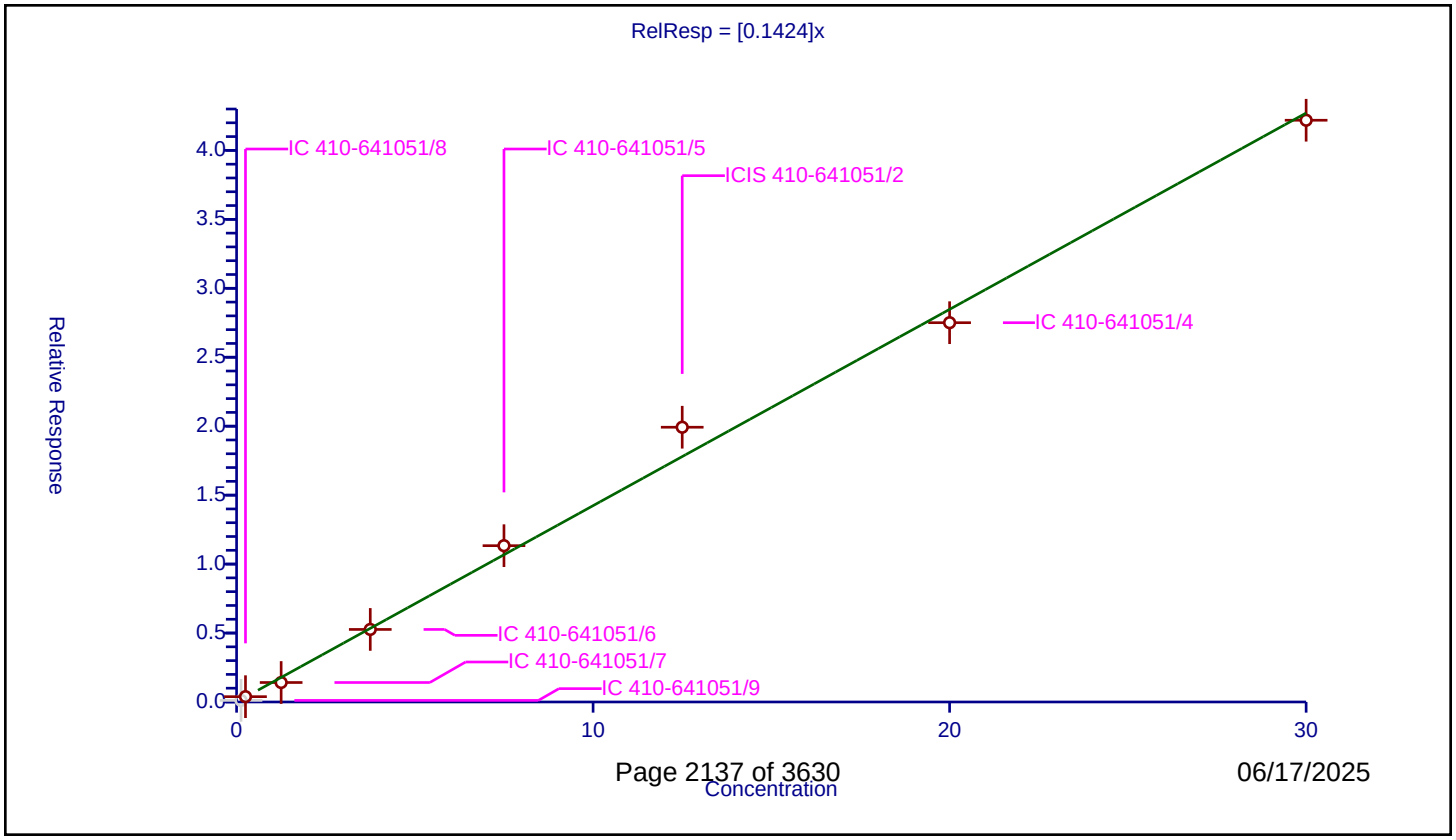
Curve Coefficients

Intercept:	0
Slope:	0.1424

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.011472	5.0	776661.0	0.091777	N
2	IC 410-641051/8	0.25	0.038631	5.0	763891.0	0.154525	Y
3	IC 410-641051/7	1.25	0.141286	5.0	753435.0	0.113029	Y
4	IC 410-641051/6	3.75	0.526152	5.0	780250.0	0.140307	Y
5	IC 410-641051/5	7.5	1.133479	5.0	728024.0	0.151131	Y
6	ICIS 410-641051/2	12.5	1.992406	5.0	806658.0	0.159392	Y
7	IC 410-641051/4	20.0	2.750468	5.0	805341.0	0.137523	Y
8	IC 410-641051/3	30.0	4.218671	5.0	803087.0	0.140622	Y



Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

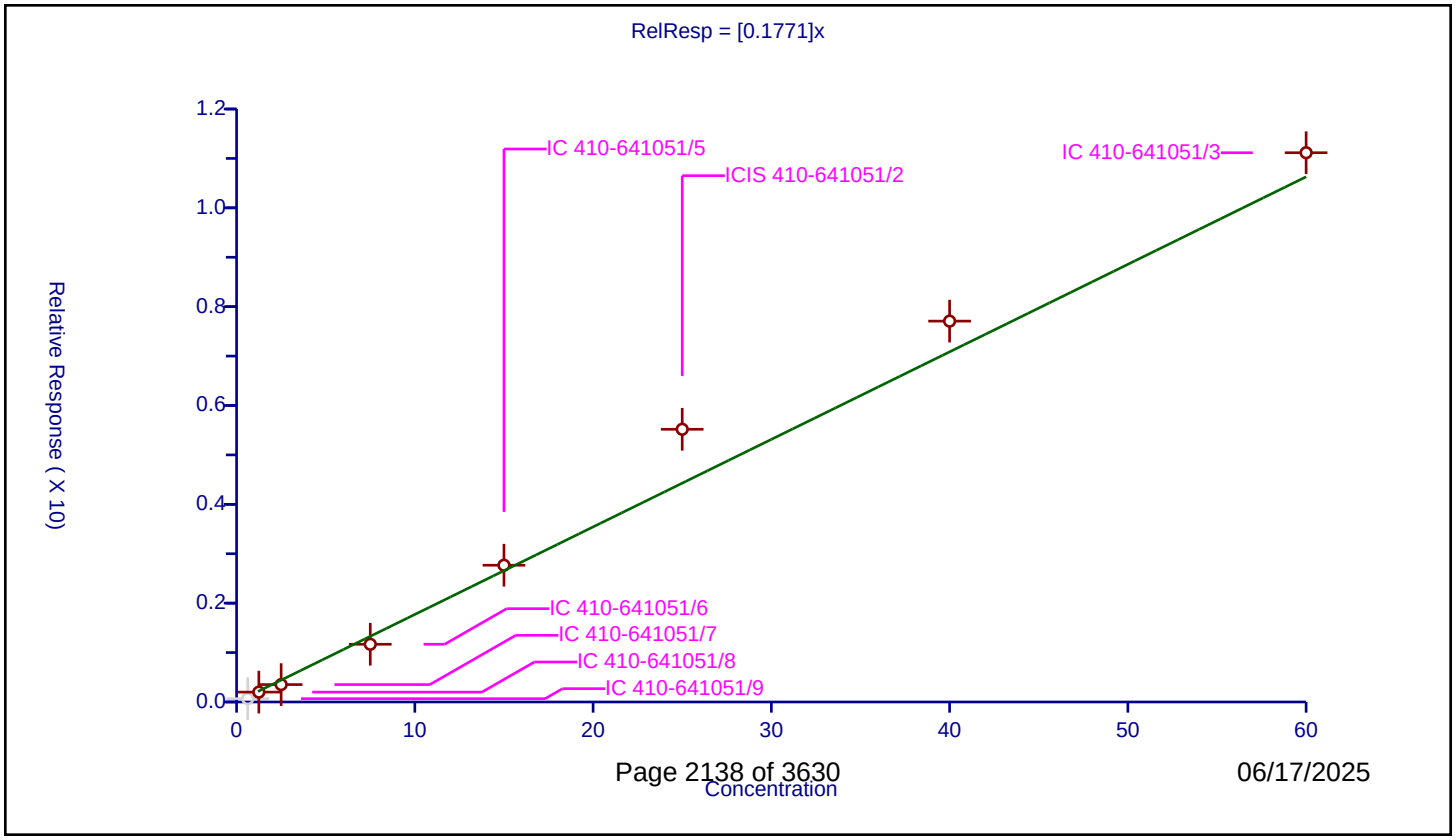
Curve Coefficients

Intercept:	0
Slope:	0.1771

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.625	0.067275	5.0	776661.0	0.10764	N
2	IC 410-641051/8	1.25	0.200159	5.0	763891.0	0.160128	Y
3	IC 410-641051/7	2.5	0.352068	5.0	753435.0	0.140827	Y
4	IC 410-641051/6	7.5	1.168337	5.0	780250.0	0.155778	Y
5	IC 410-641051/5	15.0	2.76758	5.0	728024.0	0.184505	Y
6	ICIS 410-641051/2	25.0	5.518838	5.0	806658.0	0.220754	Y
7	IC 410-641051/4	40.0	7.707511	5.0	805341.0	0.192688	Y
8	IC 410-641051/3	60.0	11.115726	5.0	803087.0	0.185262	Y



Calibration / 4-Aminobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

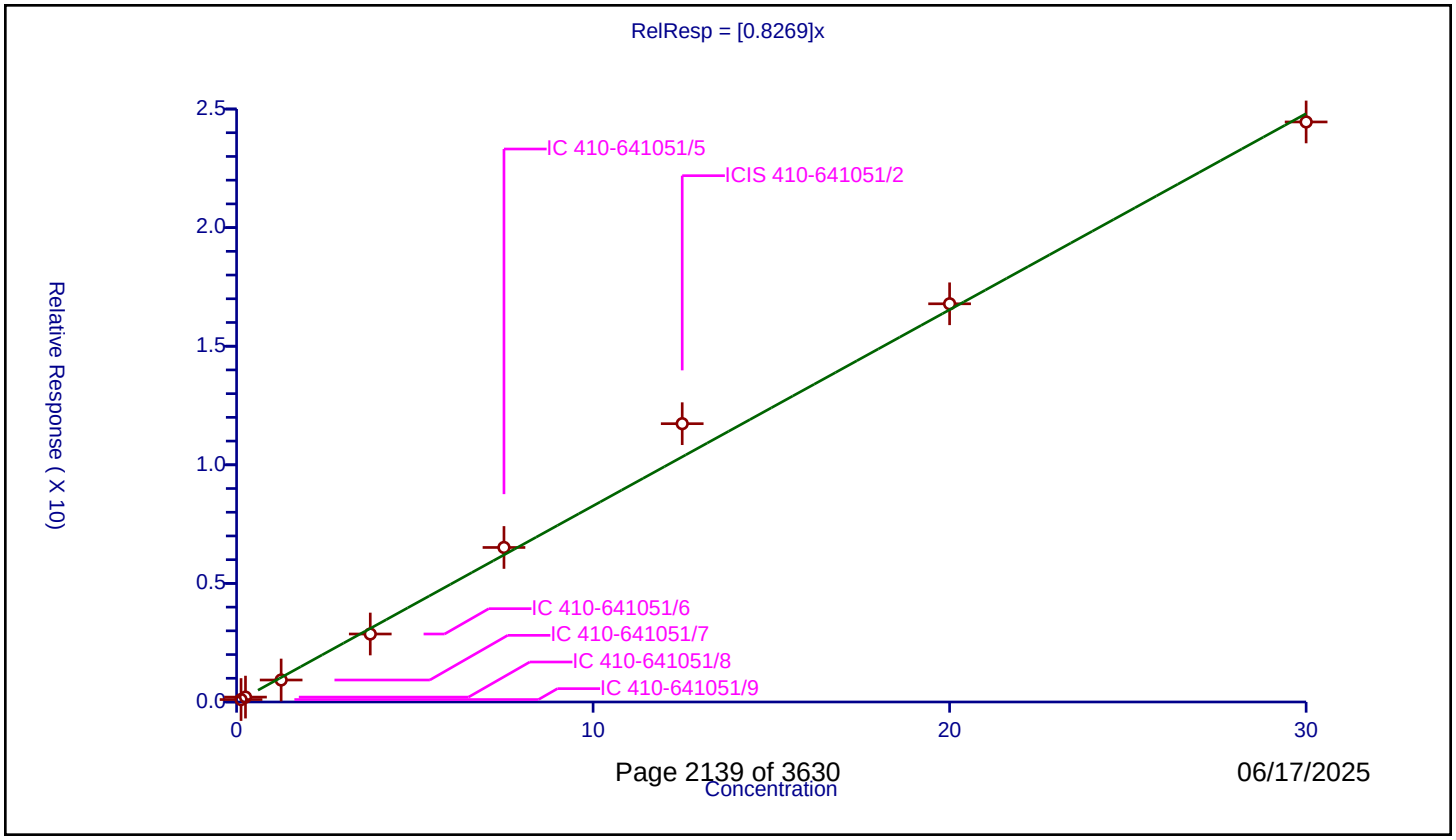
Curve Coefficients

Intercept:	0
Slope:	0.8269

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.103024	5.0	776661.0	0.824195	Y
2	IC 410-641051/8	0.25	0.205756	5.0	763891.0	0.823023	Y
3	IC 410-641051/7	1.25	0.927067	5.0	753435.0	0.741654	Y
4	IC 410-641051/6	3.75	2.866171	5.0	780250.0	0.764312	Y
5	IC 410-641051/5	7.5	6.51438	5.0	728024.0	0.868584	Y
6	ICIS 410-641051/2	12.5	11.733337	5.0	806658.0	0.938667	Y
7	IC 410-641051/4	20.0	16.788603	5.0	805341.0	0.83943	Y
8	IC 410-641051/3	30.0	24.454468	5.0	803087.0	0.815149	Y



Calibration / Pronamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

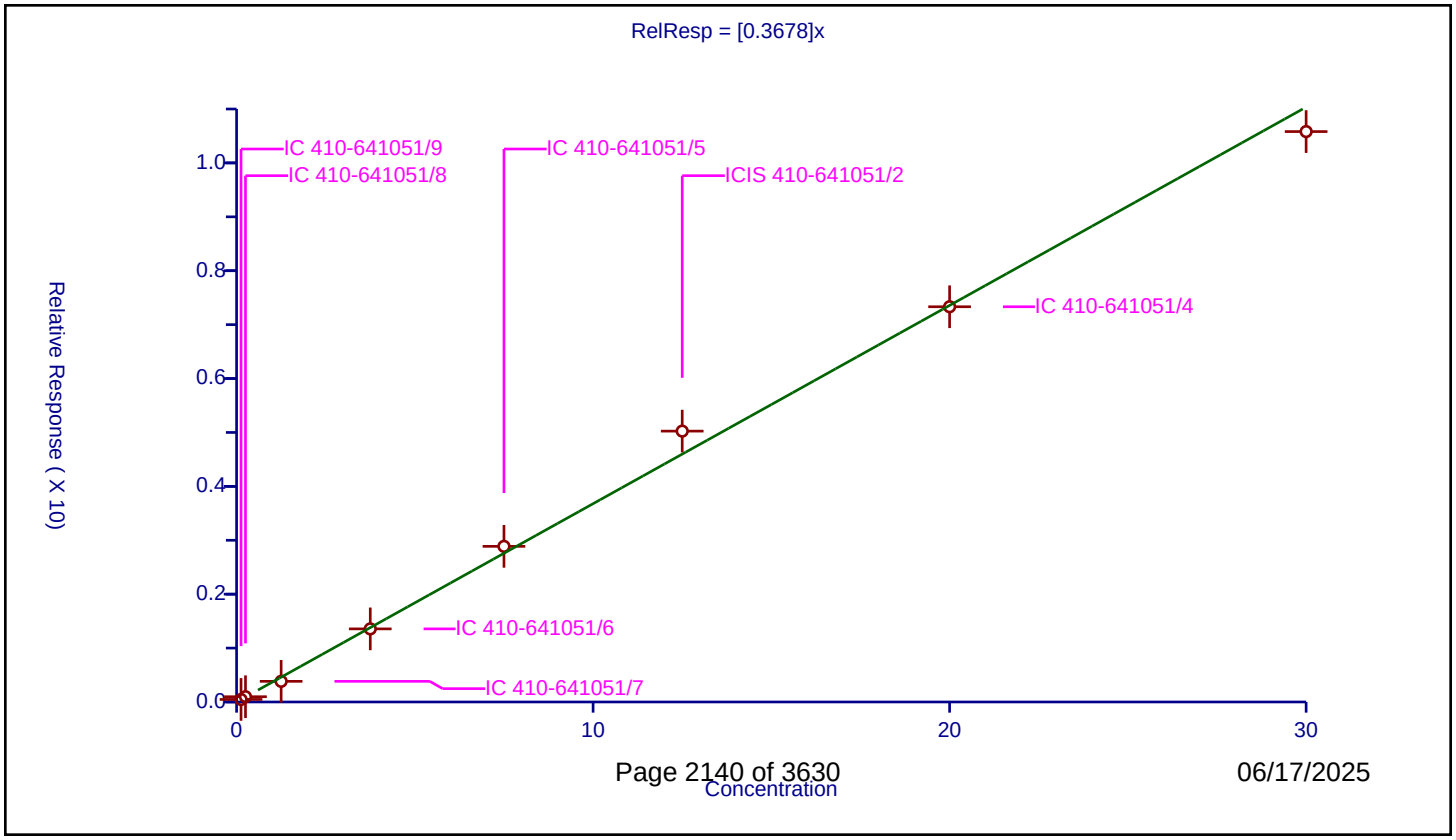
Curve Coefficients

Intercept:	0
Slope:	0.3678

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.047254	5.0	776661.0	0.378029	Y
2	IC 410-641051/8	0.25	0.097612	5.0	763891.0	0.390448	Y
3	IC 410-641051/7	1.25	0.383006	5.0	753435.0	0.306405	Y
4	IC 410-641051/6	3.75	1.355937	5.0	780250.0	0.361583	Y
5	IC 410-641051/5	7.5	2.887226	5.0	728024.0	0.384963	Y
6	ICIS 410-641051/2	12.5	5.02449	5.0	806658.0	0.401959	Y
7	IC 410-641051/4	20.0	7.331913	5.0	805341.0	0.366596	Y
8	IC 410-641051/3	30.0	10.581612	5.0	803087.0	0.35272	Y



Calibration / Dinoseb

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

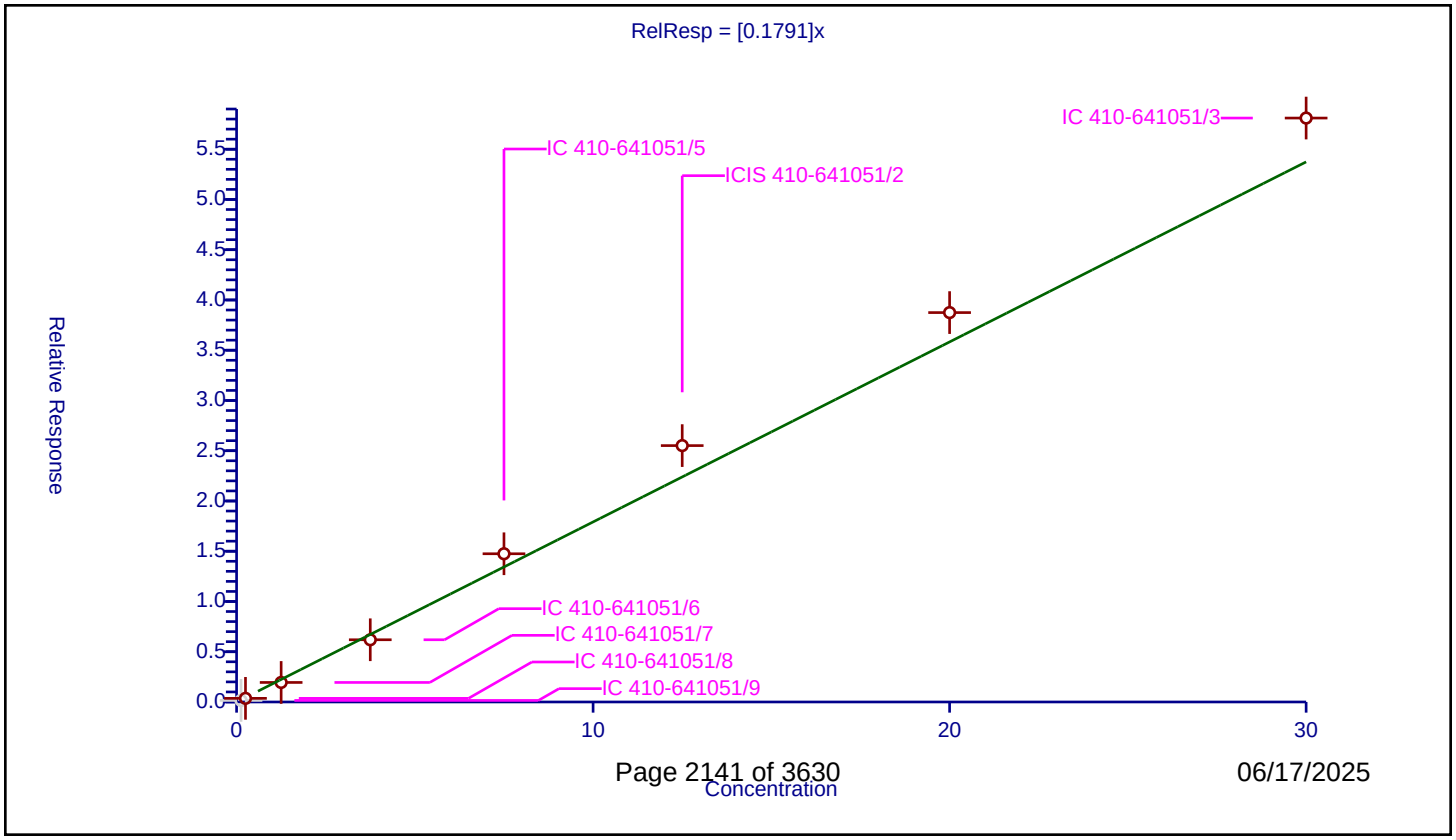
Curve Coefficients

Intercept:	0
Slope:	0.1791

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.015393	5.0	776661.0	0.123143	N
2	IC 410-641051/8	0.25	0.036314	5.0	763891.0	0.145256	Y
3	IC 410-641051/7	1.25	0.19429	5.0	753435.0	0.155432	Y
4	IC 410-641051/6	3.75	0.619135	5.0	780250.0	0.165103	Y
5	IC 410-641051/5	7.5	1.474896	5.0	728024.0	0.196653	Y
6	ICIS 410-641051/2	12.5	2.550982	5.0	806658.0	0.204079	Y
7	IC 410-641051/4	20.0	3.874396	5.0	805341.0	0.19372	Y
8	IC 410-641051/3	30.0	5.810049	5.0	803087.0	0.193668	Y



Calibration / Disulfoton

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

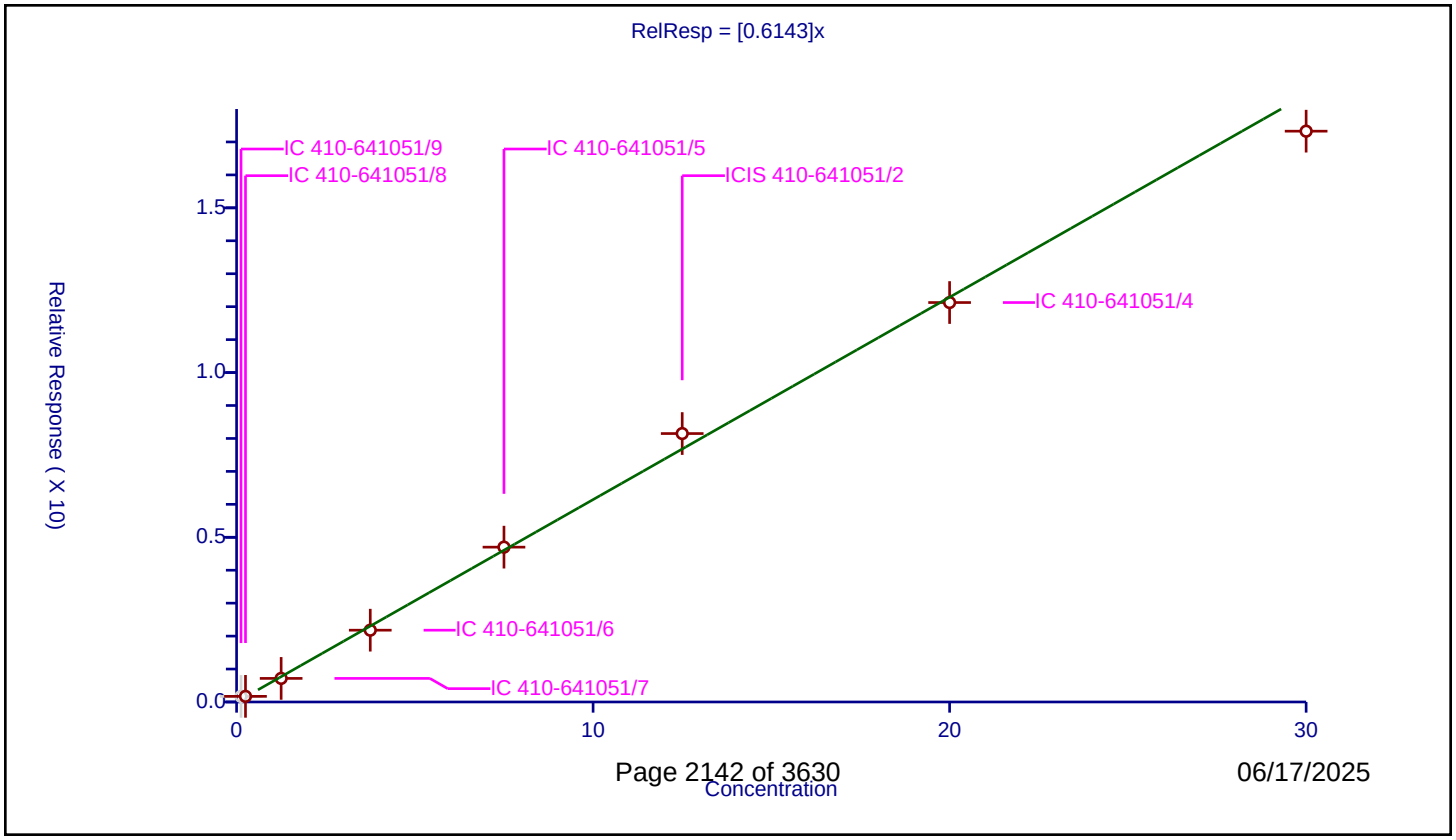
Curve Coefficients

Intercept:	0
Slope:	0.6143

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.169244	5.0	776661.0	1.35395	N
2	IC 410-641051/8	0.25	0.170928	5.0	763891.0	0.68371	Y
3	IC 410-641051/7	1.25	0.716306	5.0	753435.0	0.573045	Y
4	IC 410-641051/6	3.75	2.179712	5.0	780250.0	0.581256	Y
5	IC 410-641051/5	7.5	4.700216	5.0	728024.0	0.626695	Y
6	ICIS 410-641051/2	12.5	8.148435	5.0	806658.0	0.651875	Y
7	IC 410-641051/4	20.0	12.125311	5.0	805341.0	0.606266	Y
8	IC 410-641051/3	30.0	17.327606	5.0	803087.0	0.577587	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

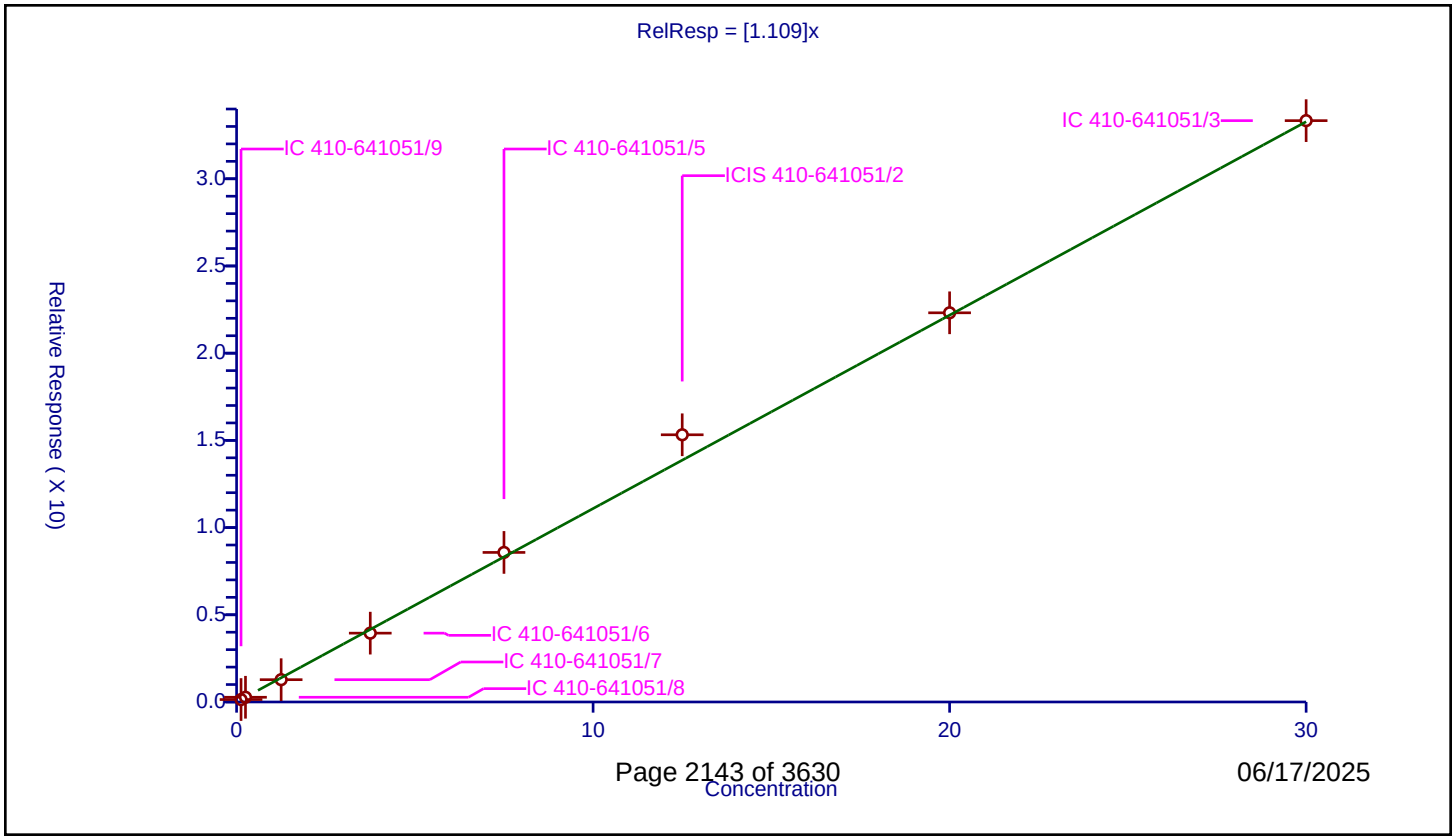
Curve Coefficients

Intercept:	0
Slope:	1.109

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.139636	5.0	776661.0	1.11709	Y
2	IC 410-641051/8	0.25	0.271033	5.0	763891.0	1.084134	Y
3	IC 410-641051/7	1.25	1.278571	5.0	753435.0	1.022857	Y
4	IC 410-641051/6	3.75	3.946607	5.0	780250.0	1.052428	Y
5	IC 410-641051/5	7.5	8.575658	5.0	728024.0	1.143421	Y
6	ICIS 410-641051/2	12.5	15.320997	5.0	806658.0	1.22568	Y
7	IC 410-641051/4	20.0	22.315175	5.0	805341.0	1.115759	Y
8	IC 410-641051/3	30.0	33.333356	5.0	803087.0	1.111112	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

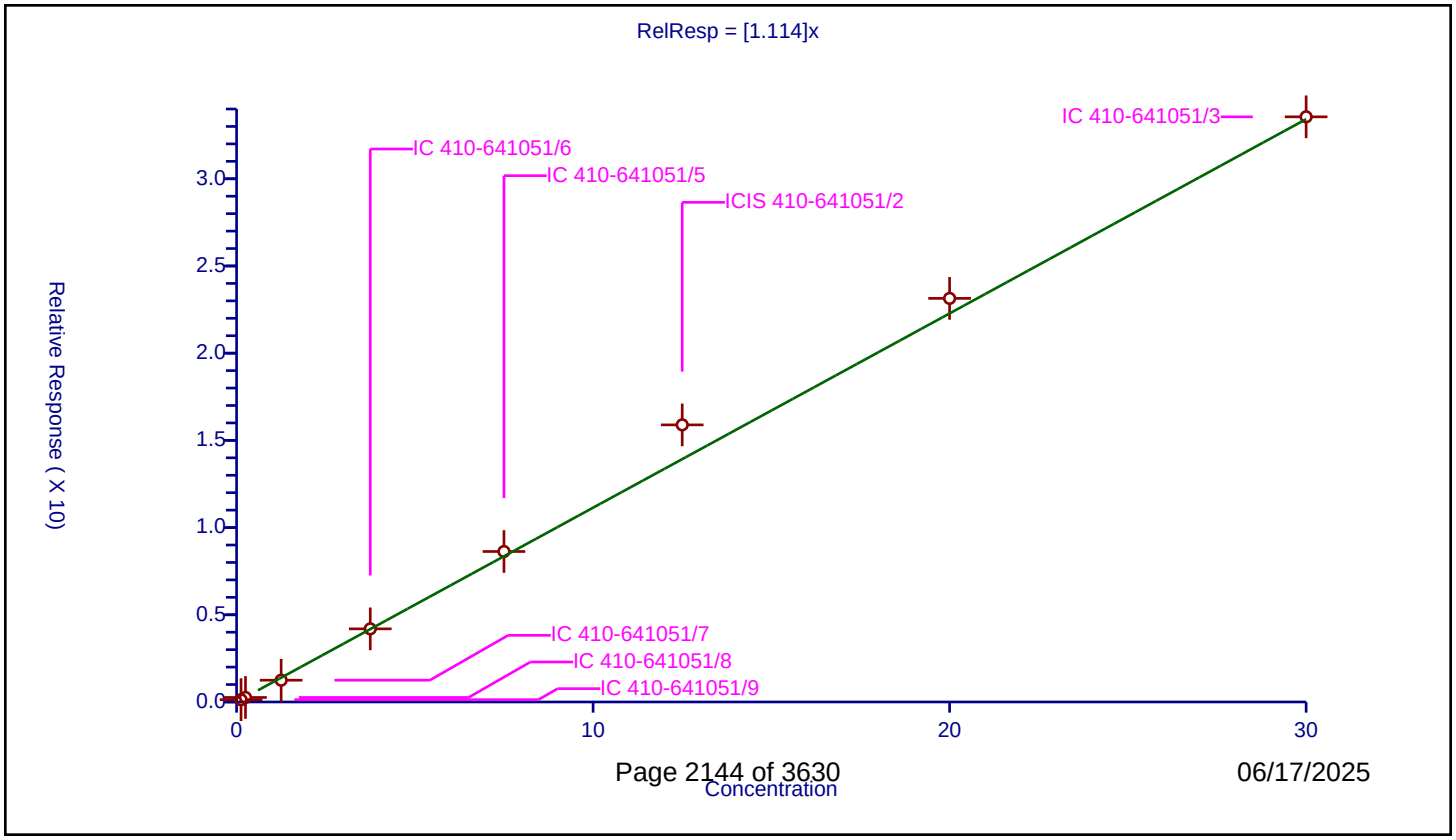
Curve Coefficients

Intercept:	0
Slope:	1.114

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.132851	5.0	776661.0	1.062806	Y
2	IC 410-641051/8	0.25	0.258623	5.0	763891.0	1.034493	Y
3	IC 410-641051/7	1.25	1.248887	5.0	753435.0	0.999109	Y
4	IC 410-641051/6	3.75	4.193047	5.0	780250.0	1.118146	Y
5	IC 410-641051/5	7.5	8.628802	5.0	728024.0	1.150507	Y
6	ICIS 410-641051/2	12.5	15.888716	5.0	806658.0	1.271097	Y
7	IC 410-641051/4	20.0	23.141967	5.0	805341.0	1.157098	Y
8	IC 410-641051/3	30.0	33.551608	5.0	803087.0	1.118387	Y



06/17/2025

Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

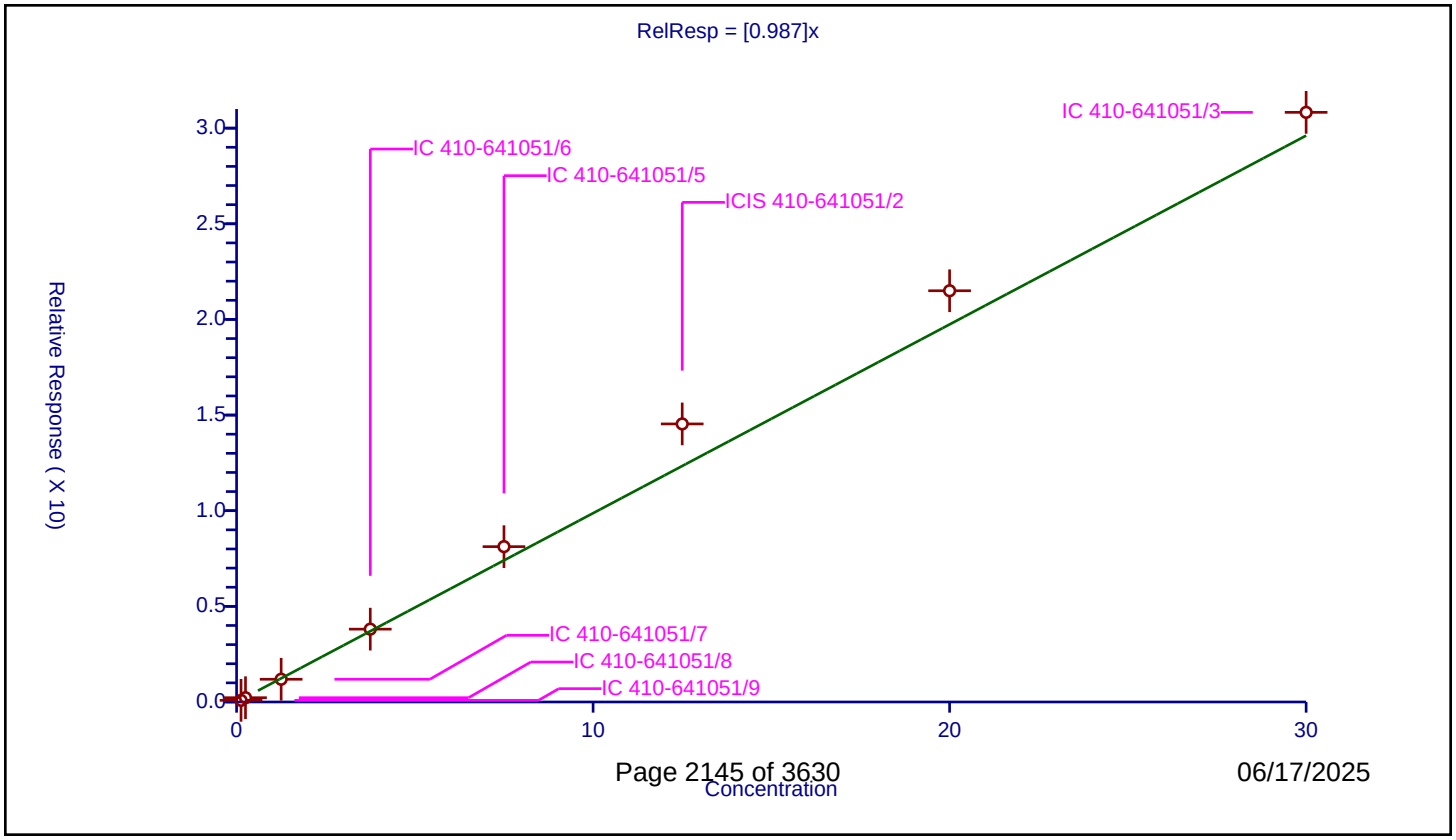
Curve Coefficients

Intercept:	0
Slope:	0.987

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.086061	5.0	776661.0	0.688486	Y
2	IC 410-641051/8	0.25	0.223252	5.0	763891.0	0.893007	Y
3	IC 410-641051/7	1.25	1.188298	5.0	753435.0	0.950638	Y
4	IC 410-641051/6	3.75	3.807837	5.0	780250.0	1.015423	Y
5	IC 410-641051/5	7.5	8.121896	5.0	728024.0	1.082919	Y
6	ICIS 410-641051/2	12.5	14.53647	5.0	806658.0	1.162918	Y
7	IC 410-641051/4	20.0	21.499135	5.0	805341.0	1.074957	Y
8	IC 410-641051/3	30.0	30.825776	5.0	803087.0	1.027526	Y



Calibration / Methyl parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

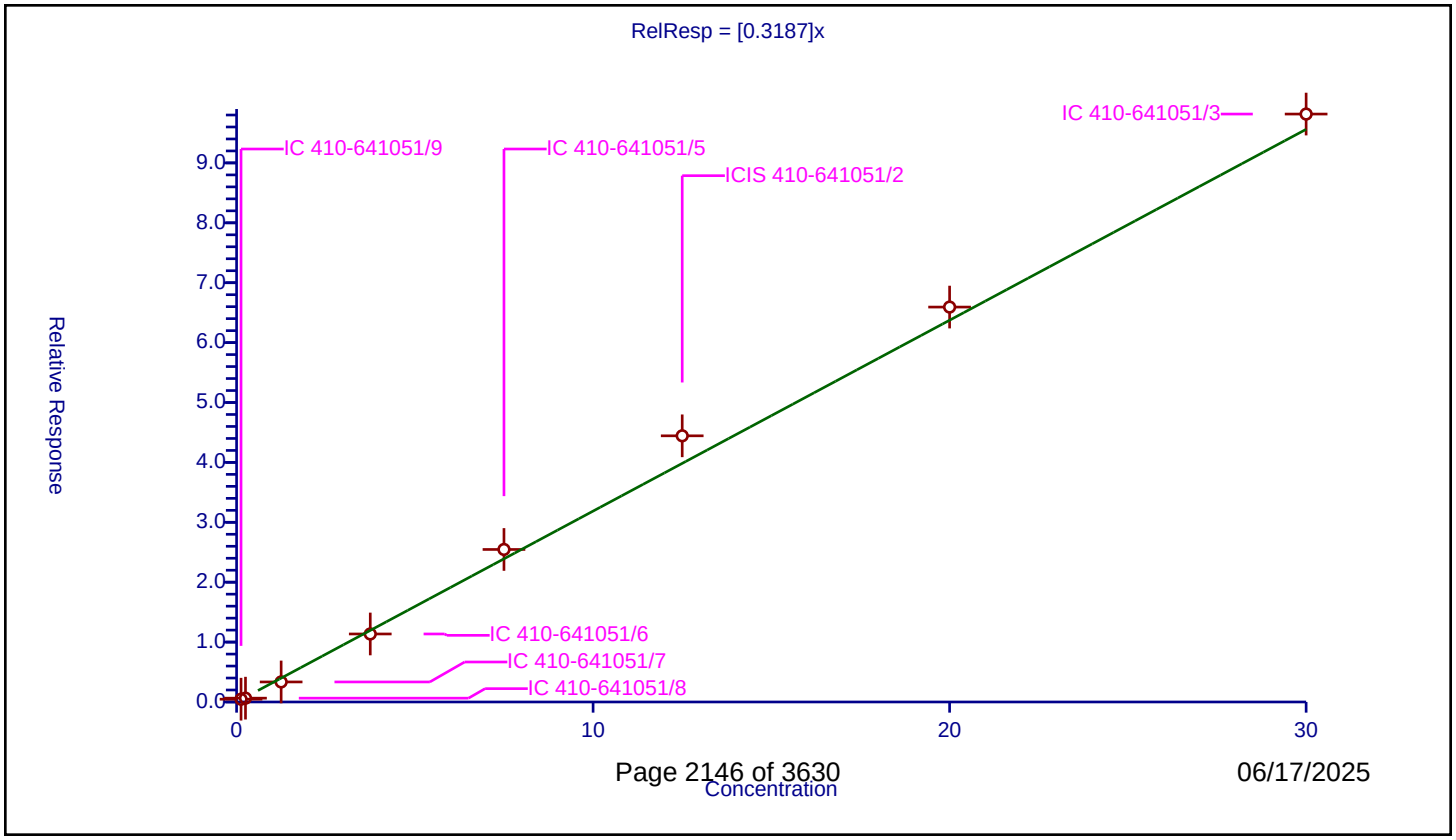
Curve Coefficients

Intercept:	0
Slope:	0.3187

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.04641	5.0	776661.0	0.371282	Y
2	IC 410-641051/8	0.25	0.063949	5.0	763891.0	0.255796	Y
3	IC 410-641051/7	1.25	0.334674	5.0	753435.0	0.267739	Y
4	IC 410-641051/6	3.75	1.135662	5.0	780250.0	0.302843	Y
5	IC 410-641051/5	7.5	2.546544	5.0	728024.0	0.339539	Y
6	ICIS 410-641051/2	12.5	4.443686	5.0	806658.0	0.355495	Y
7	IC 410-641051/4	20.0	6.593443	5.0	805341.0	0.329672	Y
8	IC 410-641051/3	30.0	9.815674	5.0	803087.0	0.327189	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

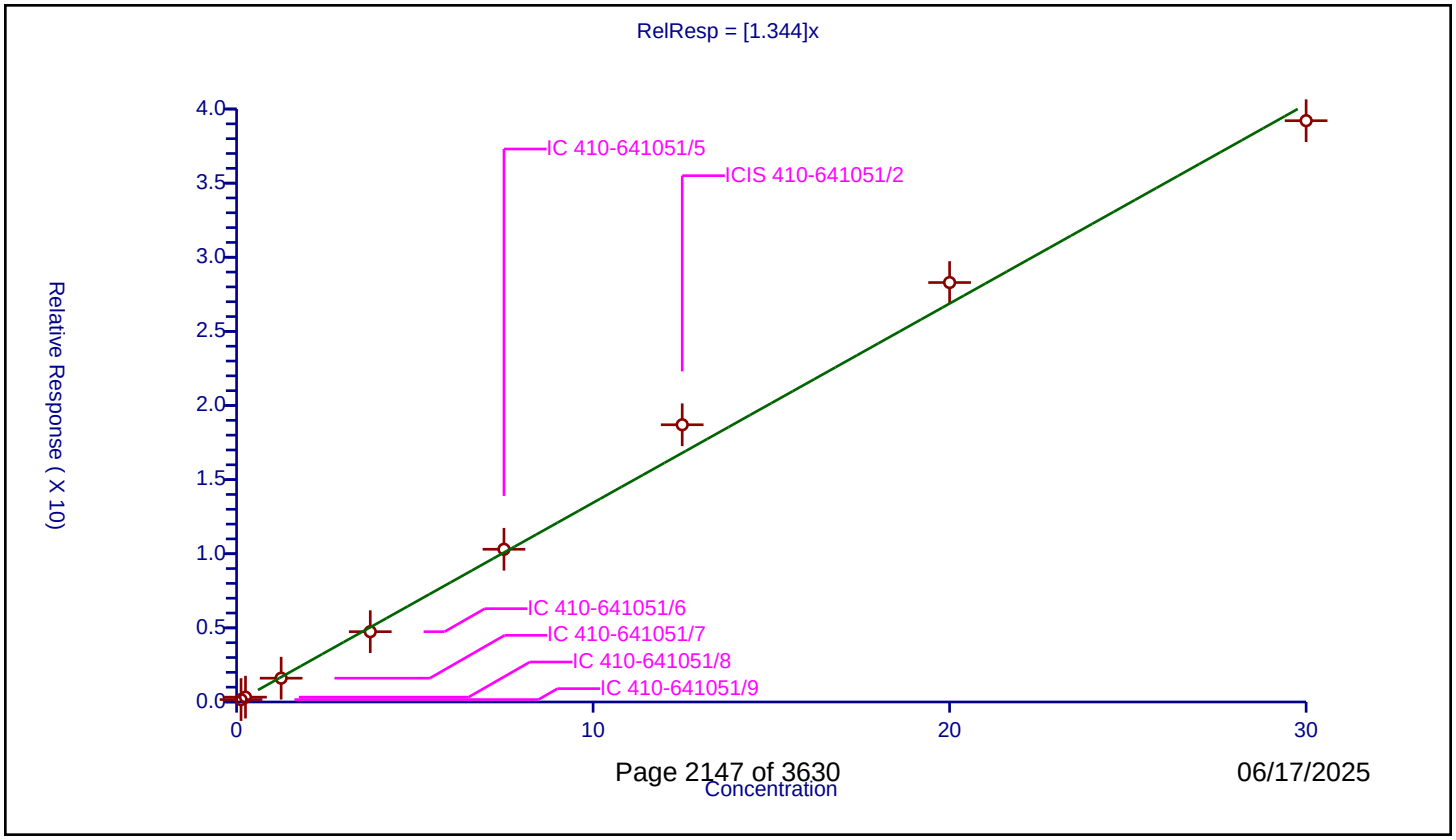
Curve Coefficients

Intercept:	0
Slope:	1.344

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.163147	5.0	776661.0	1.305177	Y
2	IC 410-641051/8	0.25	0.326198	5.0	763891.0	1.304793	Y
3	IC 410-641051/7	1.25	1.60631	5.0	753435.0	1.285048	Y
4	IC 410-641051/6	3.75	4.742044	5.0	780250.0	1.264545	Y
5	IC 410-641051/5	7.5	10.302641	5.0	728024.0	1.373685	Y
6	ICIS 410-641051/2	12.5	18.70106	5.0	806658.0	1.496085	Y
7	IC 410-641051/4	20.0	28.294375	5.0	805341.0	1.414719	Y
8	IC 410-641051/3	30.0	39.212844	5.0	803087.0	1.307095	Y



Calibration / Ethyl Parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

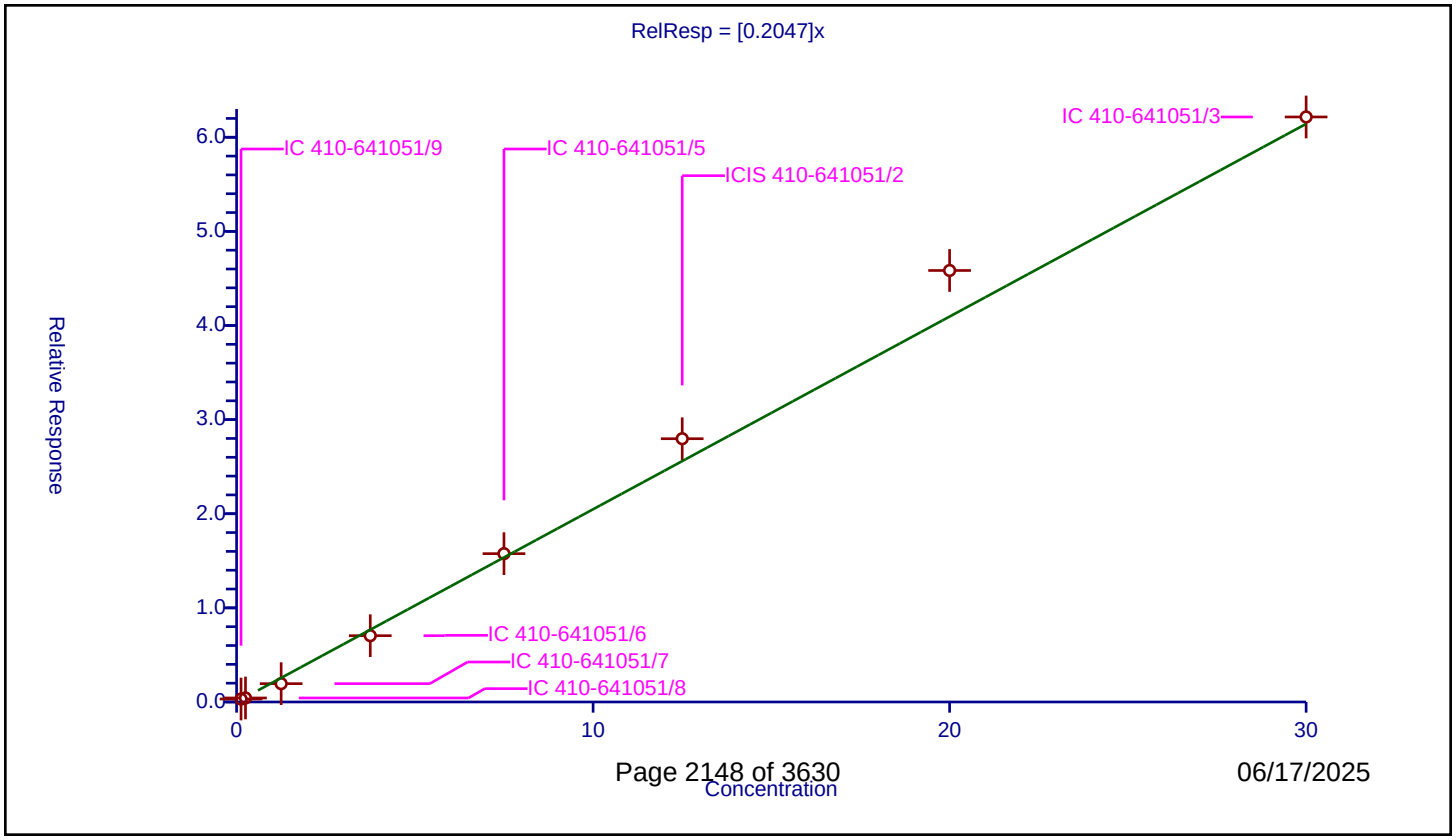
Curve Coefficients

Intercept:	0
Slope:	0.2047

Error Coefficients

Relative Standard Deviation:	15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.031648	5.0	776661.0	0.253186	Y
2	IC 410-641051/8	0.25	0.042709	5.0	763891.0	0.170836	Y
3	IC 410-641051/7	1.25	0.194688	5.0	753435.0	0.155751	Y
4	IC 410-641051/6	3.75	0.704543	5.0	780250.0	0.187878	Y
5	IC 410-641051/5	7.5	1.575882	5.0	728024.0	0.210118	Y
6	ICIS 410-641051/2	12.5	2.797115	5.0	806658.0	0.223769	Y
7	IC 410-641051/4	20.0	4.584493	5.0	805341.0	0.229225	Y
8	IC 410-641051/3	30.0	6.215603	5.0	803087.0	0.207187	Y



Calibration / 4-Nitroquinoline-1-oxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

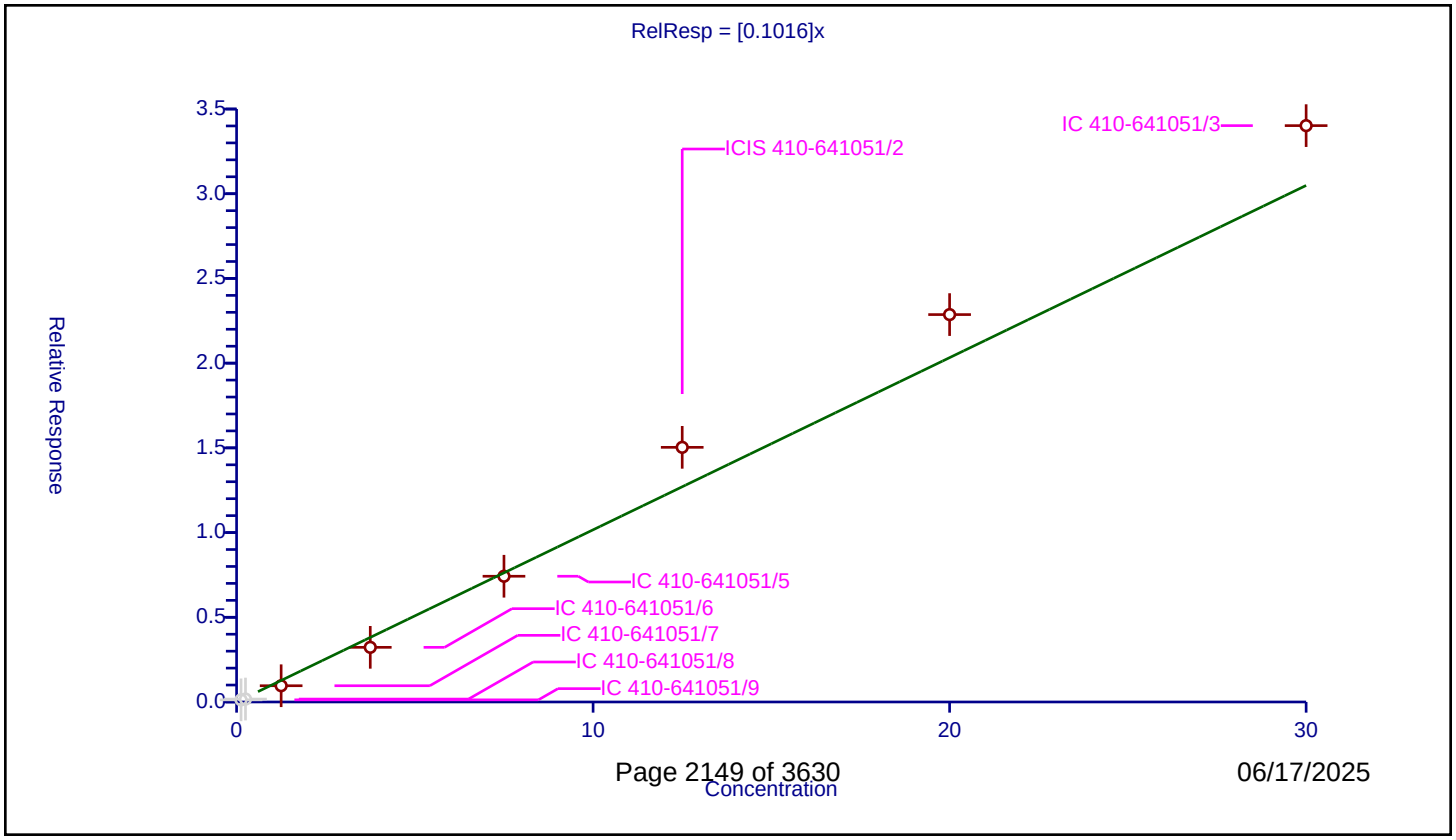
Curve Coefficients

Intercept:	0
Slope:	0.1016

Error Coefficients

Relative Standard Deviation:	17.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.012599	5.0	776661.0	0.10079	N
2	IC 410-641051/8	0.25	0.017313	5.0	763891.0	0.069251	N
3	IC 410-641051/7	1.25	0.095974	5.0	753435.0	0.076779	Y
4	IC 410-641051/6	3.75	0.322666	5.0	780250.0	0.086044	Y
5	IC 410-641051/5	7.5	0.742153	5.0	728024.0	0.098954	Y
6	ICIS 410-641051/2	12.5	1.503097	5.0	806658.0	0.120248	Y
7	IC 410-641051/4	20.0	2.286634	5.0	805341.0	0.114332	Y
8	IC 410-641051/3	30.0	3.401861	5.0	803087.0	0.113395	Y



Calibration / Octachlorostyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

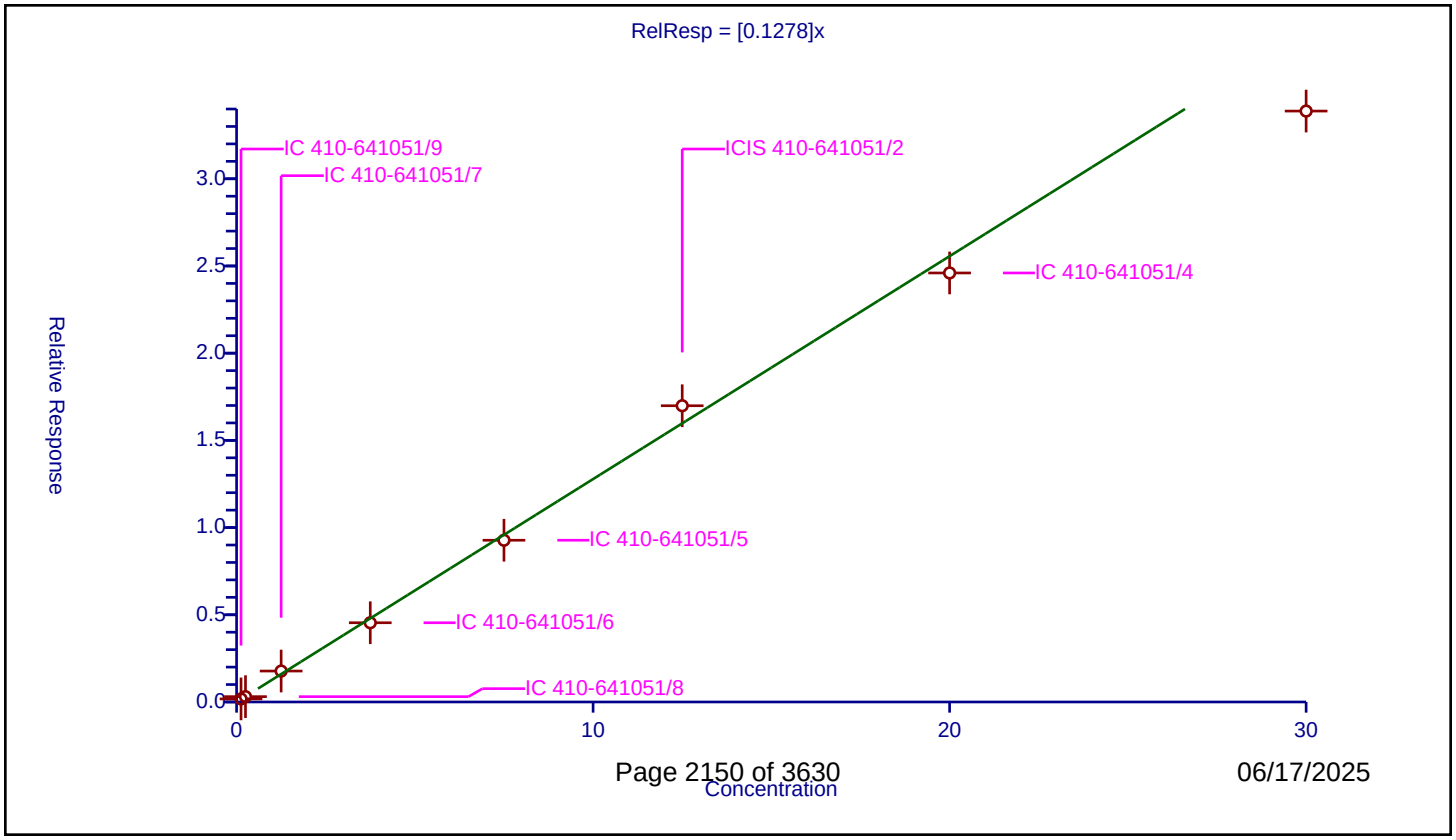
Curve Coefficients

Intercept:	0
Slope:	0.1278

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.017672	5.0	776661.0	0.141374	Y
2	IC 410-641051/8	0.25	0.030639	5.0	763891.0	0.122557	Y
3	IC 410-641051/7	1.25	0.177407	5.0	753435.0	0.141926	Y
4	IC 410-641051/6	3.75	0.454271	5.0	780250.0	0.121139	Y
5	IC 410-641051/5	7.5	0.927428	5.0	728024.0	0.123657	Y
6	ICIS 410-641051/2	12.5	1.698595	5.0	806658.0	0.135888	Y
7	IC 410-641051/4	20.0	2.459908	5.0	805341.0	0.122995	Y
8	IC 410-641051/3	30.0	3.388219	5.0	803087.0	0.112941	Y



Calibration / Isodrin

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

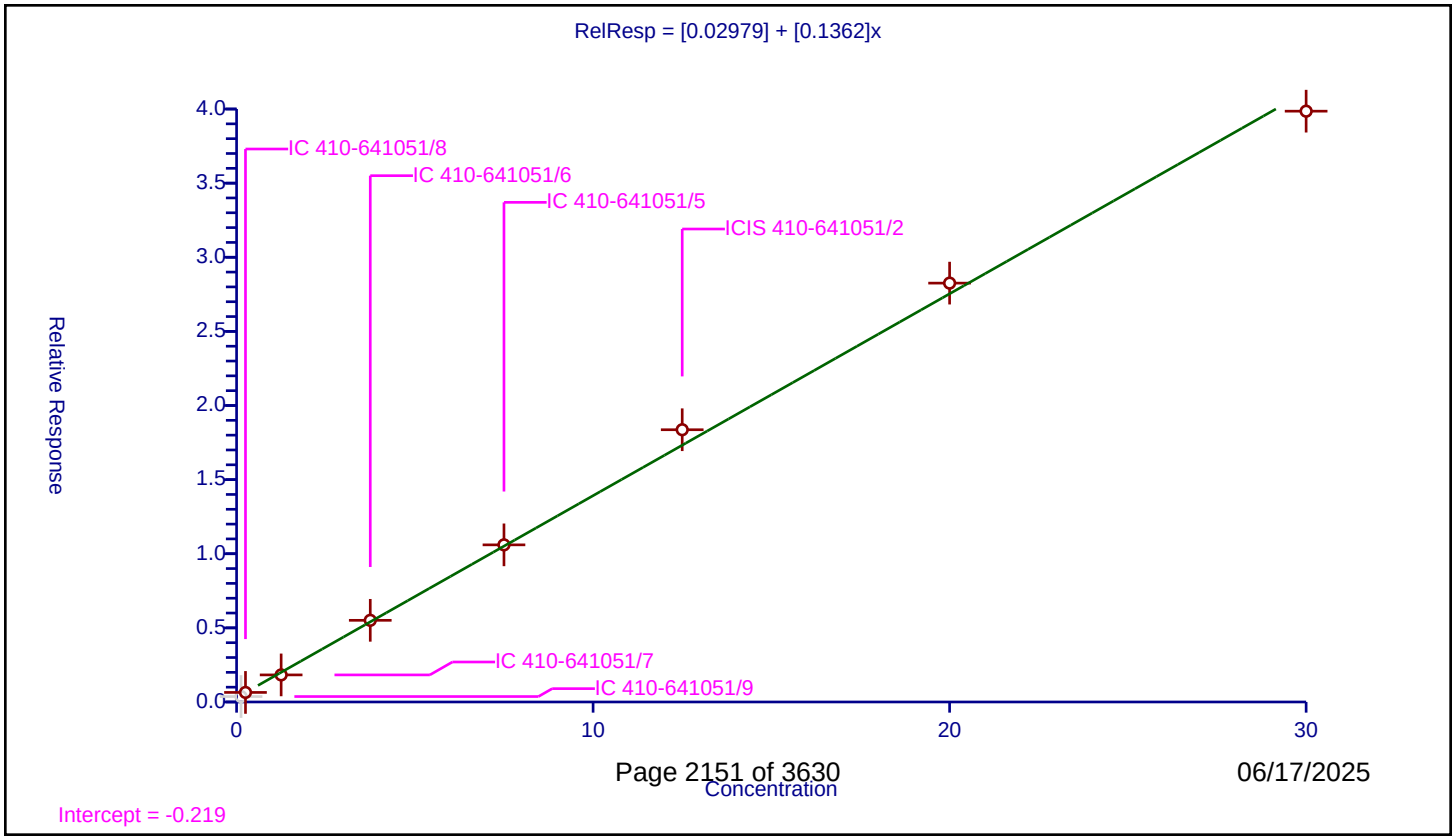
Curve Coefficients

Intercept:	0.02979
Slope:	0.1362

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.036708	5.0	776661.0	0.293667	N
2	IC 410-641051/8	0.25	0.06444	5.0	763891.0	0.257759	Y
3	IC 410-641051/7	1.25	0.182597	5.0	753435.0	0.146078	Y
4	IC 410-641051/6	3.75	0.550977	5.0	780250.0	0.146927	Y
5	IC 410-641051/5	7.5	1.059965	5.0	728024.0	0.141329	Y
6	ICIS 410-641051/2	12.5	1.83659	5.0	806658.0	0.146927	Y
7	IC 410-641051/4	20.0	2.825617	5.0	805341.0	0.141281	Y
8	IC 410-641051/3	30.0	3.985371	5.0	803087.0	0.132846	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

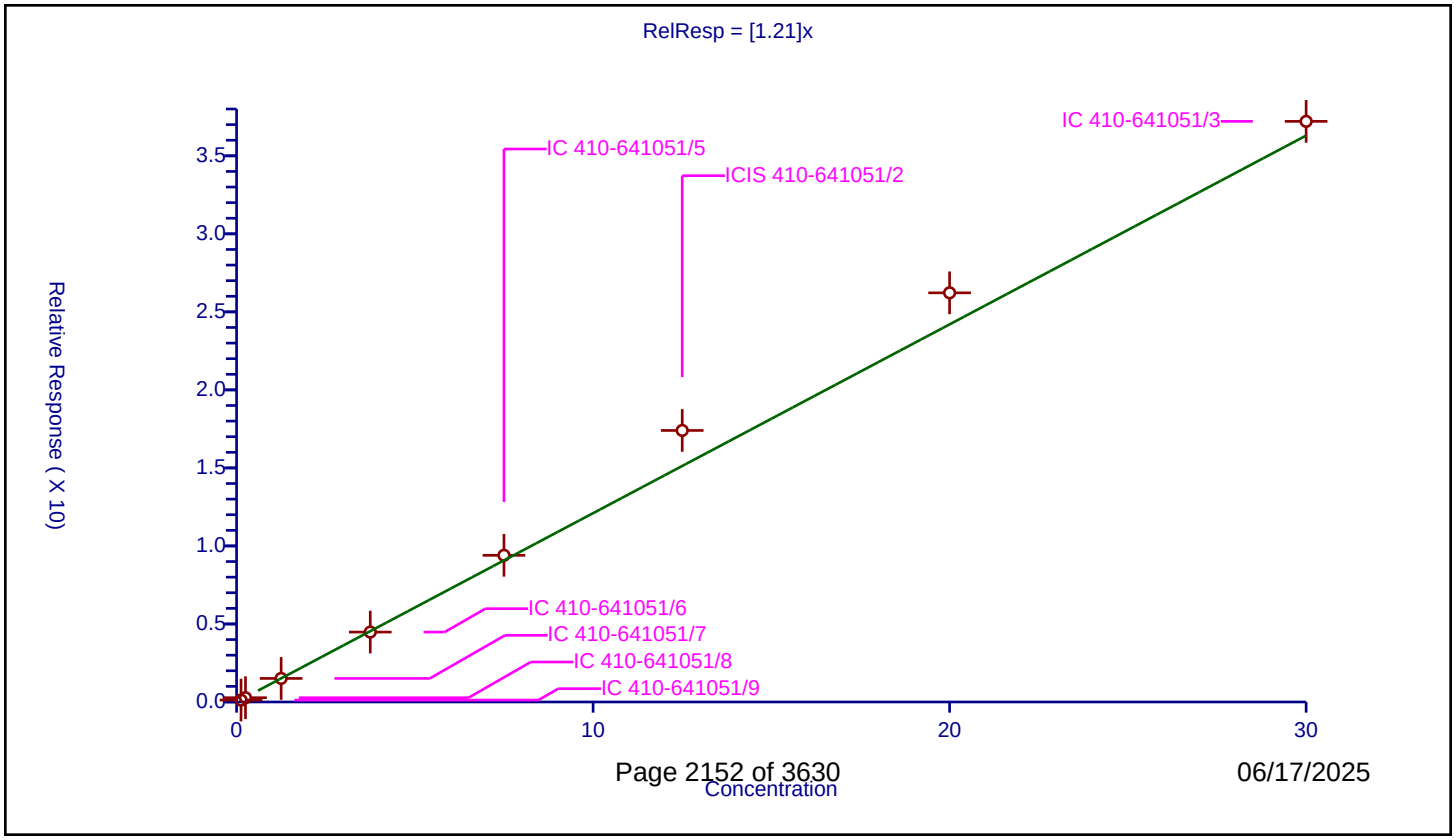
Curve Coefficients

Intercept:	0
Slope:	1.21

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.122866	5.0	776661.0	0.982926	Y
2	IC 410-641051/8	0.25	0.274254	5.0	763891.0	1.097015	Y
3	IC 410-641051/7	1.25	1.510601	5.0	753435.0	1.208481	Y
4	IC 410-641051/6	3.75	4.479667	5.0	780250.0	1.194578	Y
5	IC 410-641051/5	7.5	9.39912	5.0	728024.0	1.253216	Y
6	ICIS 410-641051/2	12.5	17.400509	5.0	806658.0	1.392041	Y
7	IC 410-641051/4	20.0	26.219912	5.0	805341.0	1.310996	Y
8	IC 410-641051/3	30.0	37.209057	5.0	803087.0	1.240302	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

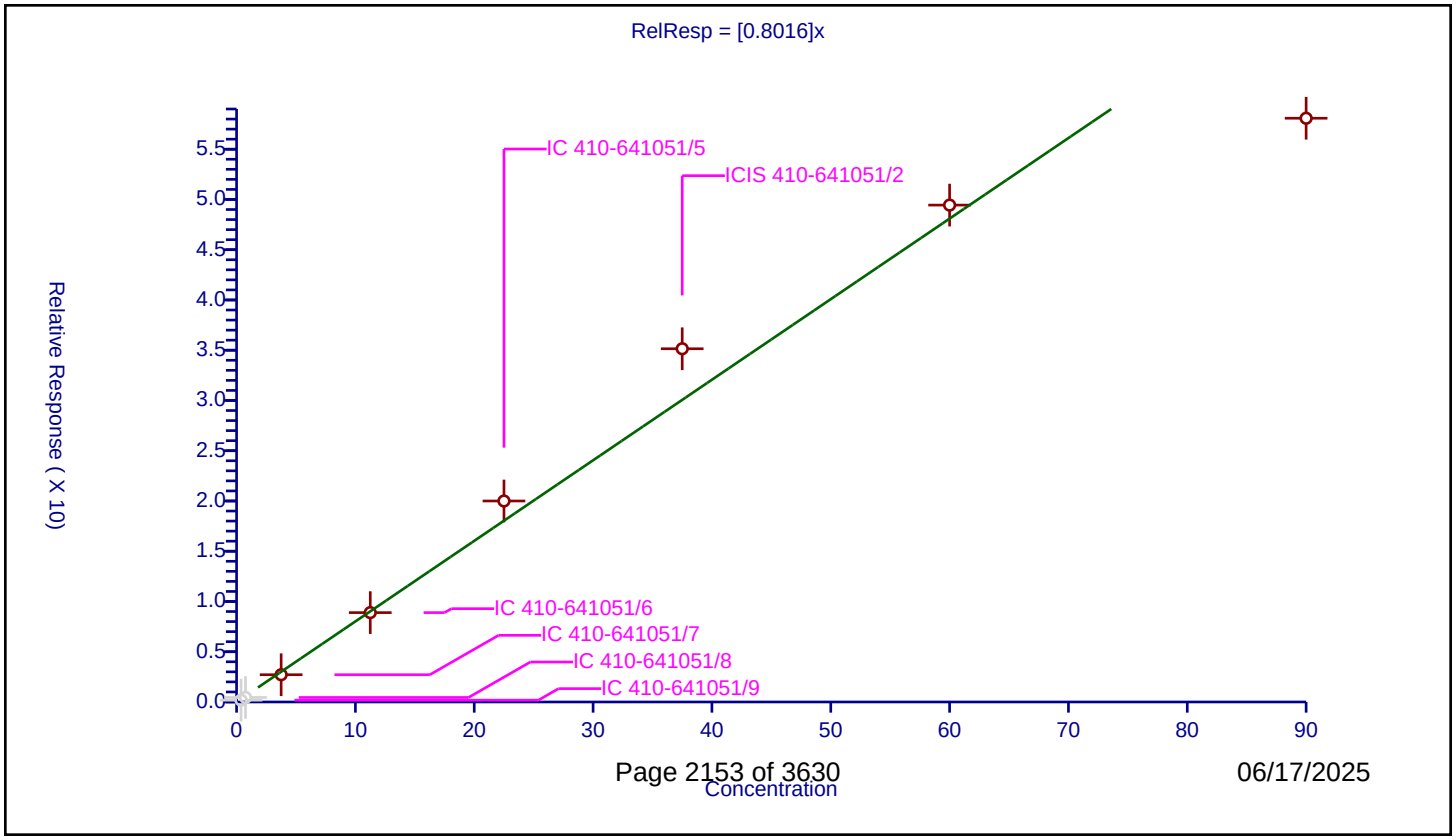
Curve Coefficients

Intercept:	0
Slope:	0.8016

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.375	0.182789	5.0	760414.0	0.487436	N
2	IC 410-641051/8	0.75	0.450121	5.0	761740.0	0.600161	N
3	IC 410-641051/7	3.75	2.713244	5.0	768228.0	0.723532	Y
4	IC 410-641051/6	11.25	8.893778	5.0	782637.0	0.790558	Y
5	IC 410-641051/5	22.5	19.998819	5.0	753624.0	0.888836	Y
6	ICIS 410-641051/2	37.5	35.147193	5.0	870930.0	0.937258	Y
7	IC 410-641051/4	60.0	49.44049	5.0	806026.0	0.824008	Y
8	IC 410-641051/3	90.0	58.081971	5.0	801148.0	0.645355	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

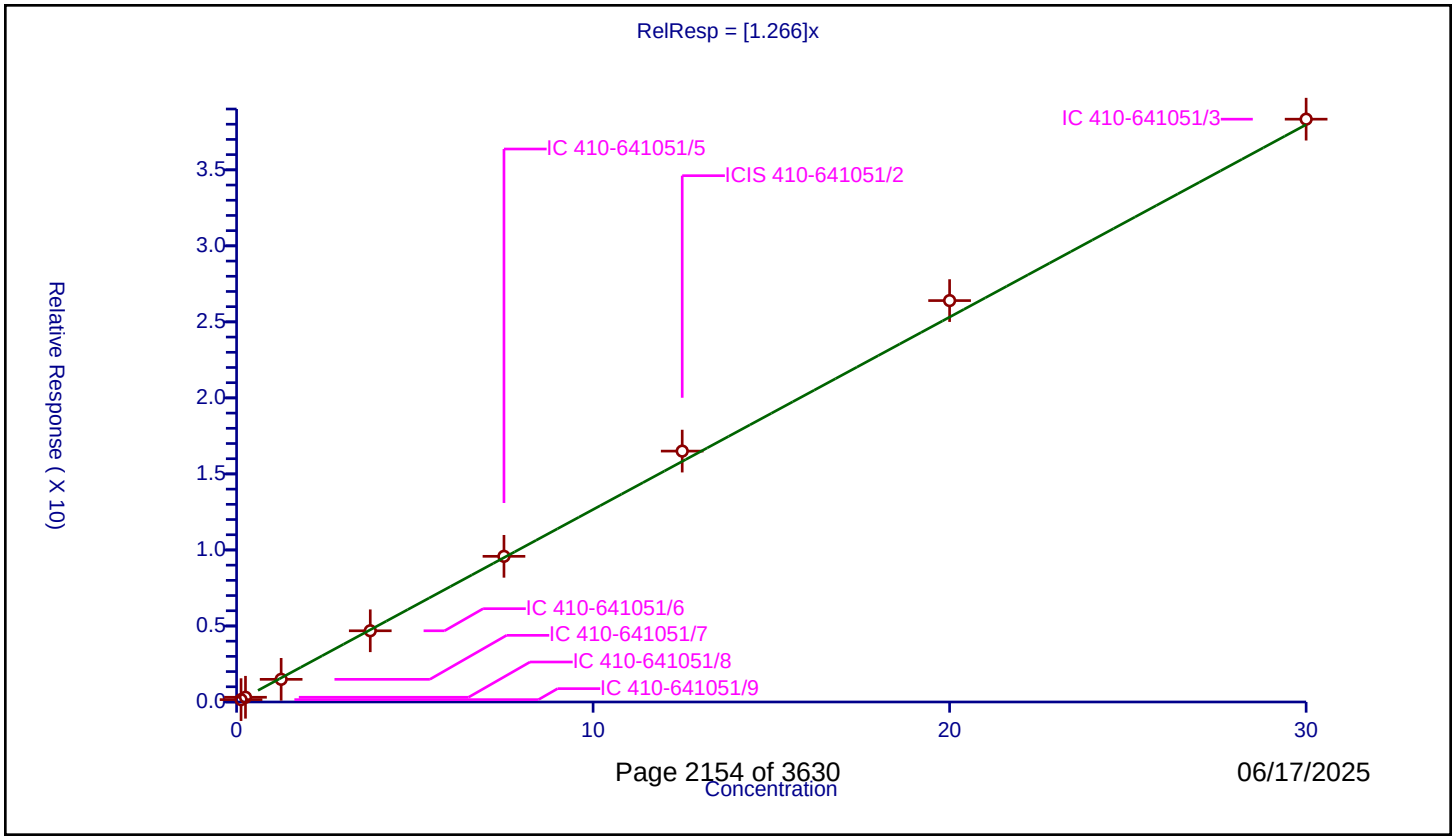
Curve Coefficients

Intercept:	0
Slope:	1.266

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.155968	5.0	760414.0	1.247741	Y
2	IC 410-641051/8	0.25	0.31067	5.0	761740.0	1.242681	Y
3	IC 410-641051/7	1.25	1.489174	5.0	768228.0	1.191339	Y
4	IC 410-641051/6	3.75	4.684471	5.0	782637.0	1.249192	Y
5	IC 410-641051/5	7.5	9.580195	5.0	753624.0	1.277359	Y
6	ICIS 410-641051/2	12.5	16.500683	5.0	870930.0	1.320055	Y
7	IC 410-641051/4	20.0	26.3998	5.0	806026.0	1.31999	Y
8	IC 410-641051/3	30.0	38.331769	5.0	801148.0	1.277726	Y



Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

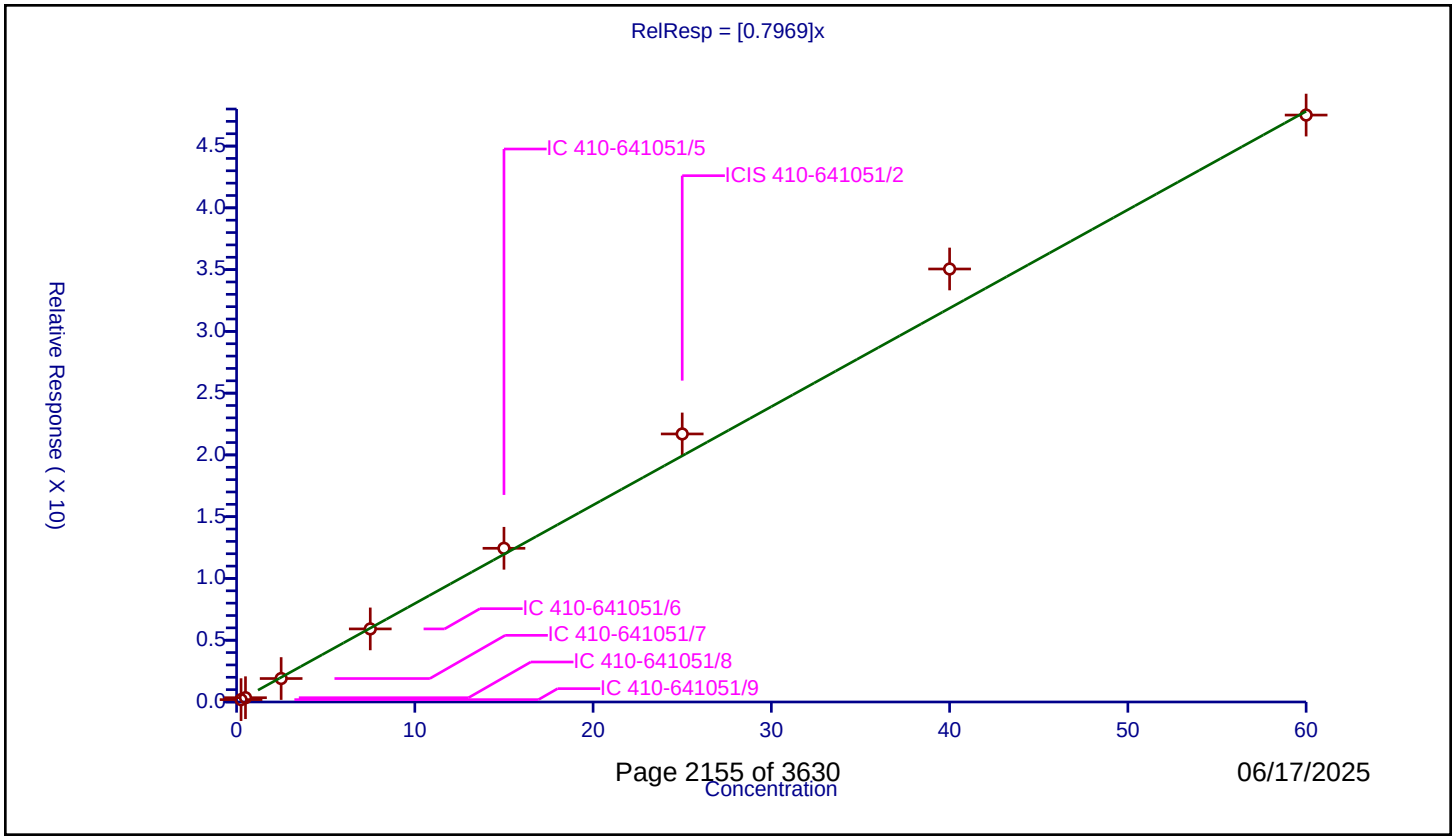
Curve Coefficients

Intercept:	0
Slope:	0.7969

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.191757	5.0	760414.0	0.76703	Y
2	IC 410-641051/8	0.5	0.347304	5.0	761740.0	0.694607	Y
3	IC 410-641051/7	2.5	1.89857	5.0	768228.0	0.759428	Y
4	IC 410-641051/6	7.5	5.914964	5.0	782637.0	0.788662	Y
5	IC 410-641051/5	15.0	12.442239	5.0	753624.0	0.829483	Y
6	ICIS 410-641051/2	25.0	21.696704	5.0	870930.0	0.867868	Y
7	IC 410-641051/4	40.0	35.049818	5.0	806026.0	0.876245	Y
8	IC 410-641051/3	60.0	47.509767	5.0	801148.0	0.791829	Y



Calibration / p-Dimethylamino azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

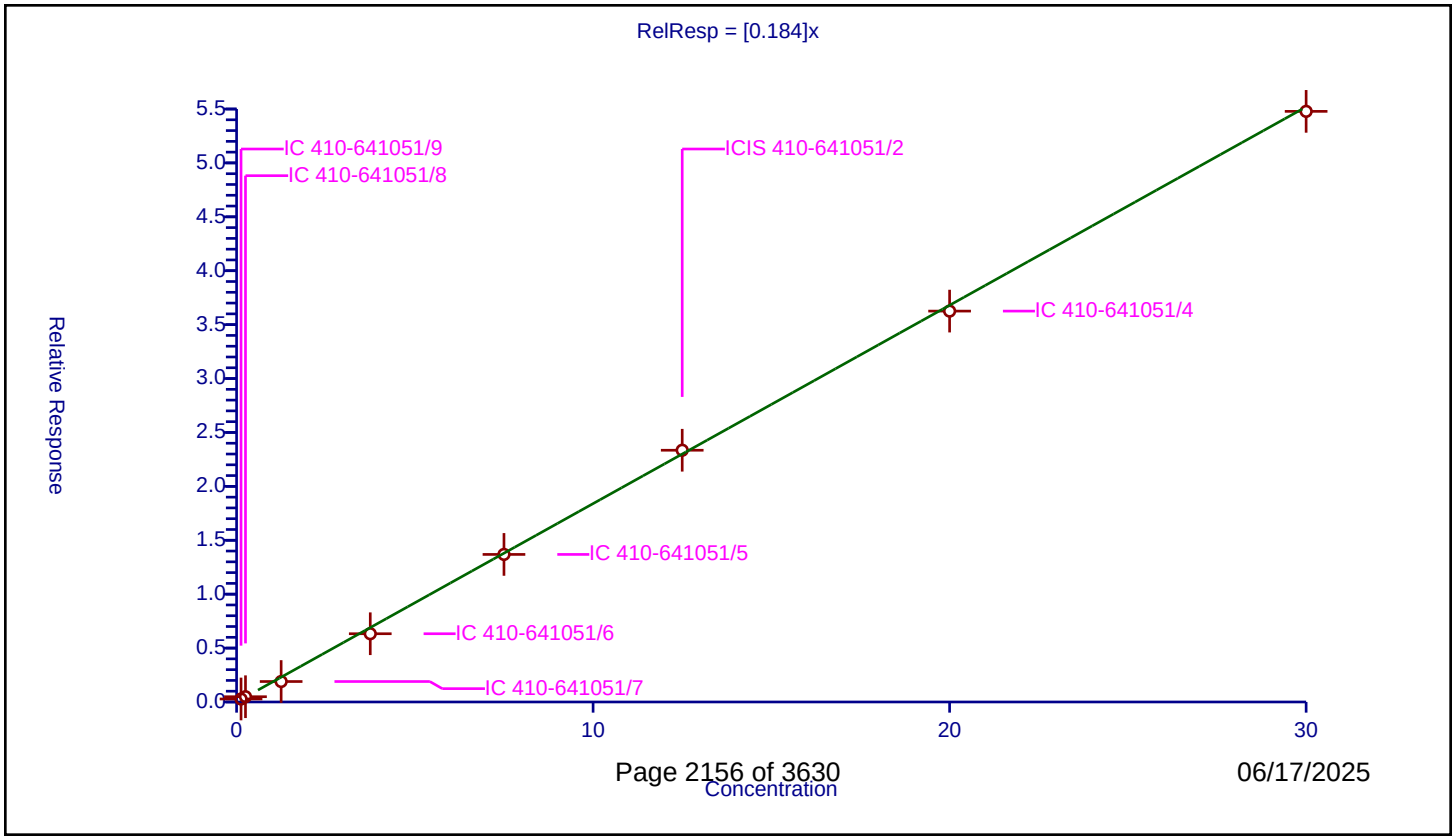
Curve Coefficients

Intercept:	0
Slope:	0.184

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.02786	5.0	760414.0	0.222879	Y
2	IC 410-641051/8	0.25	0.048809	5.0	761740.0	0.195237	Y
3	IC 410-641051/7	1.25	0.189761	5.0	768228.0	0.151809	Y
4	IC 410-641051/6	3.75	0.63309	5.0	782637.0	0.168824	Y
5	IC 410-641051/5	7.5	1.368607	5.0	753624.0	0.182481	Y
6	ICIS 410-641051/2	12.5	2.335096	5.0	870930.0	0.186808	Y
7	IC 410-641051/4	20.0	3.625652	5.0	806026.0	0.181283	Y
8	IC 410-641051/3	30.0	5.478332	5.0	801148.0	0.182611	Y



Calibration / Chlorobenzilate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

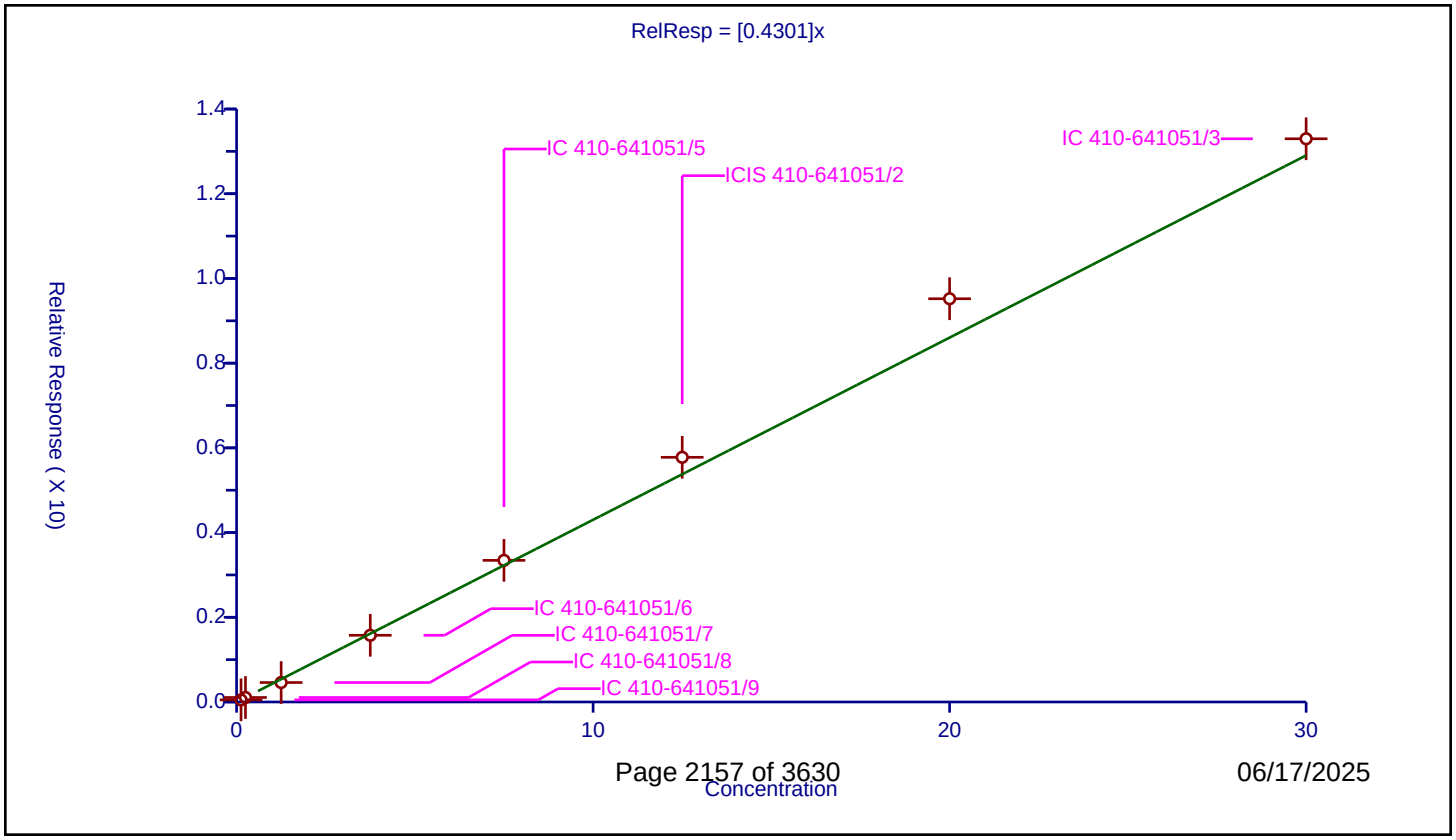
Curve Coefficients

Intercept:	0
Slope:	0.4301

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.050321	5.0	760414.0	0.40257	Y
2	IC 410-641051/8	0.25	0.105955	5.0	761740.0	0.423819	Y
3	IC 410-641051/7	1.25	0.459297	5.0	768228.0	0.367438	Y
4	IC 410-641051/6	3.75	1.575047	5.0	782637.0	0.420013	Y
5	IC 410-641051/5	7.5	3.343889	5.0	753624.0	0.445852	Y
6	ICIS 410-641051/2	12.5	5.776968	5.0	870930.0	0.462157	Y
7	IC 410-641051/4	20.0	9.520276	5.0	806026.0	0.476014	Y
8	IC 410-641051/3	30.0	13.297431	5.0	801148.0	0.443248	Y



Calibration / Famphur

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

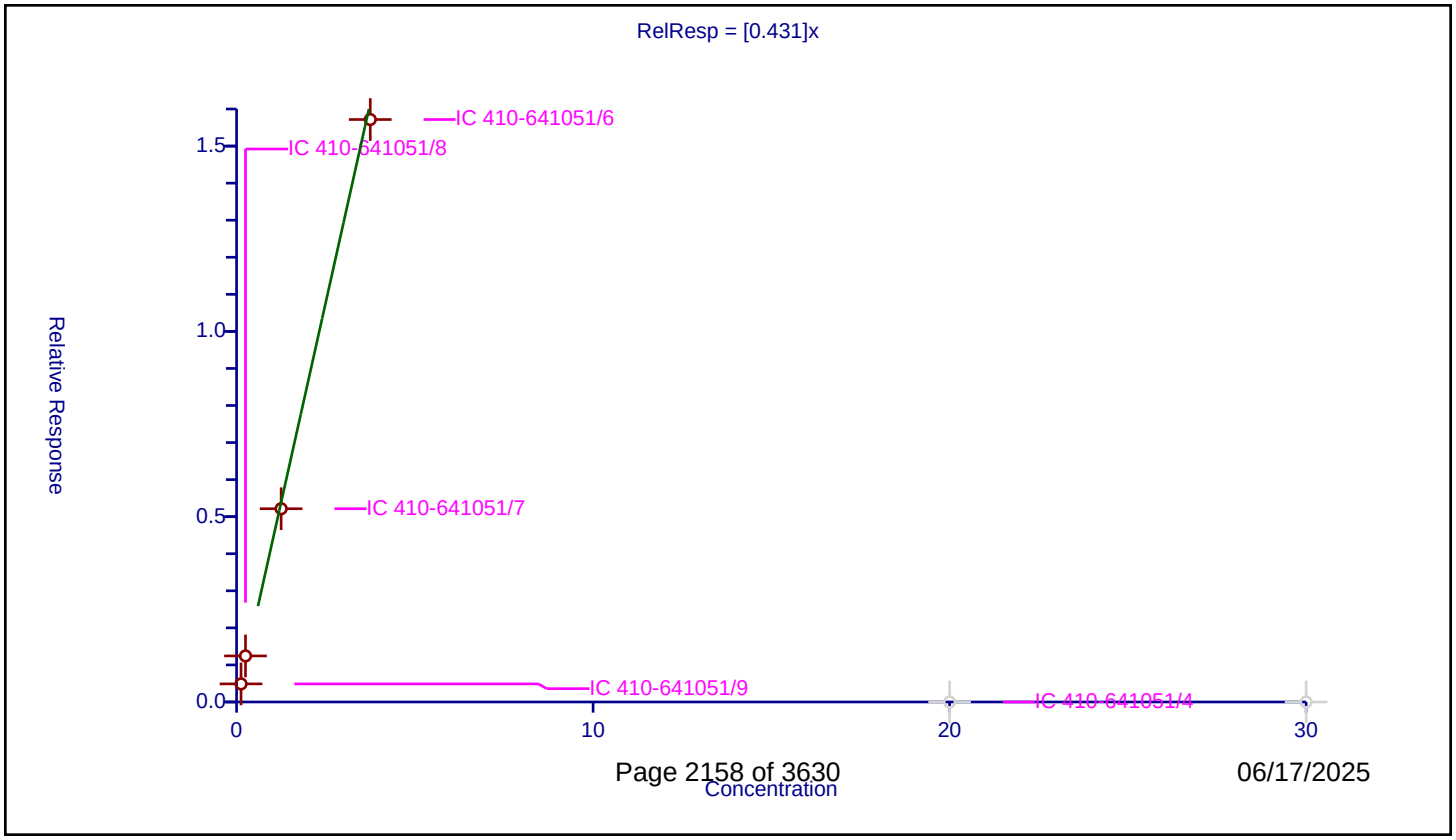
Curve Coefficients

Intercept:	0
Slope:	0.431

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.048842	5.0	760414.0	0.390735	Y
2	IC 410-641051/8	0.25	0.124268	5.0	761740.0	0.497072	Y
3	IC 410-641051/7	1.25	0.521499	5.0	768228.0	0.417199	Y
4	IC 410-641051/6	3.75	1.571623	5.0	782637.0	0.419099	Y
5	IC 410-641051/4	20.0	0.0	5.0	806026.0	0.0	N
6	IC 410-641051/3	30.0	0.0	5.0	801148.0	0.0	N



Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

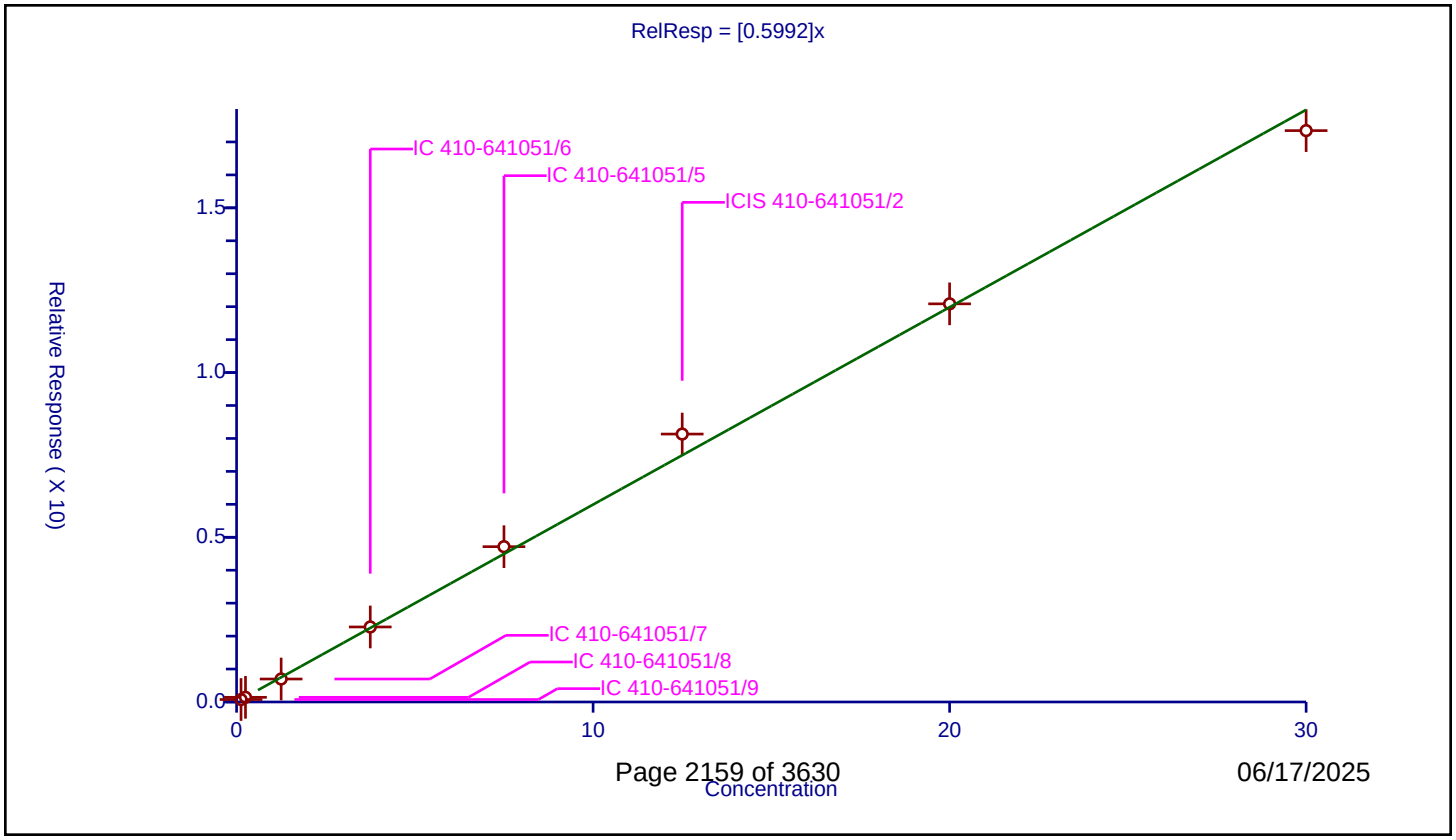
Curve Coefficients

Intercept:	0
Slope:	0.5992

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.074801	5.0	760414.0	0.598411	Y
2	IC 410-641051/8	0.25	0.141991	5.0	761740.0	0.567963	Y
3	IC 410-641051/7	1.25	0.697579	5.0	768228.0	0.558063	Y
4	IC 410-641051/6	3.75	2.277224	5.0	782637.0	0.60726	Y
5	IC 410-641051/5	7.5	4.715183	5.0	753624.0	0.628691	Y
6	ICIS 410-641051/2	12.5	8.133099	5.0	870930.0	0.650648	Y
7	IC 410-641051/4	20.0	12.085888	5.0	806026.0	0.604294	Y
8	IC 410-641051/3	30.0	17.344511	5.0	801148.0	0.57815	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

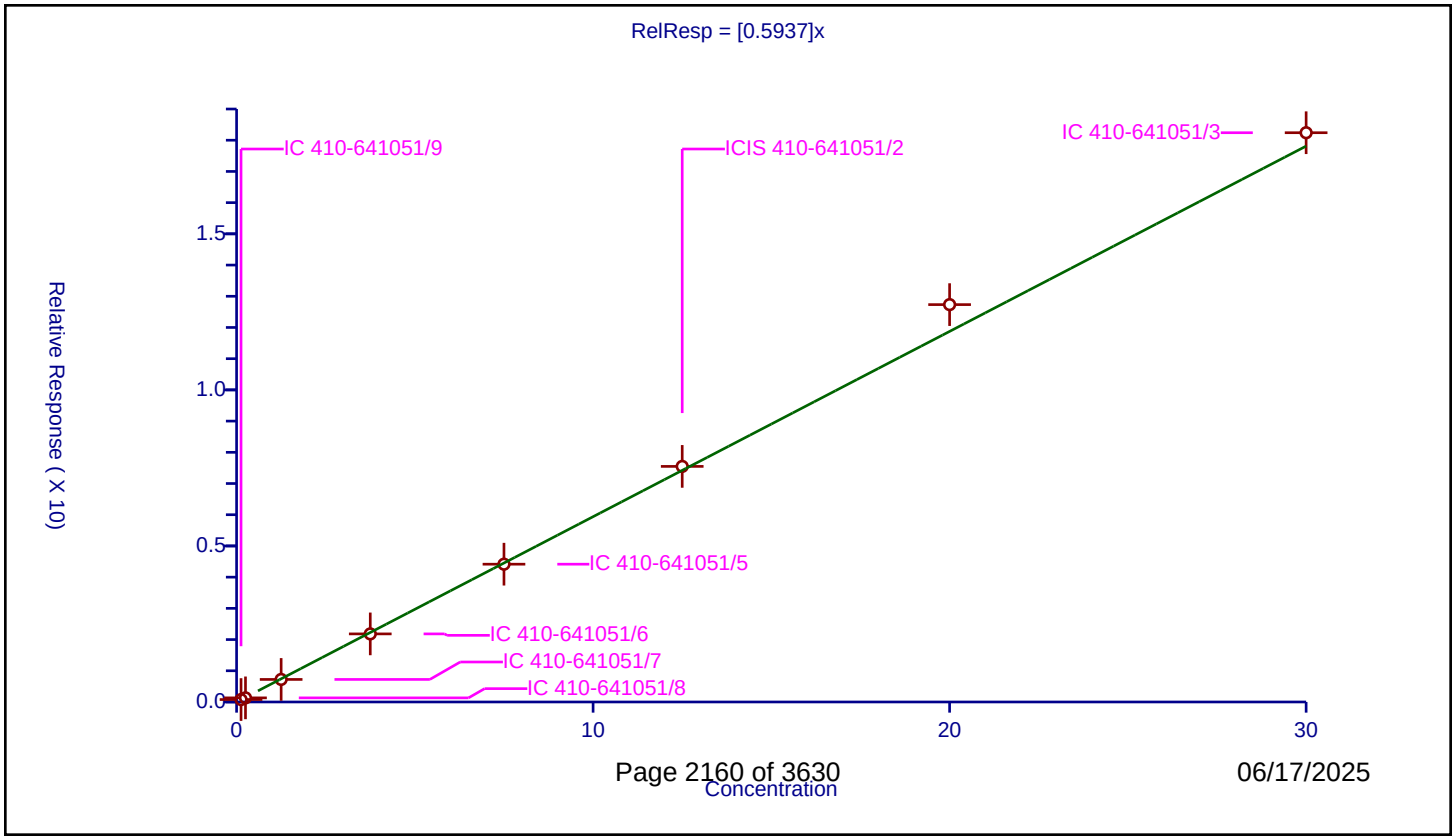
Curve Coefficients

Intercept:	0
Slope:	0.5937

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.07801	5.0	760414.0	0.624081	Y
2	IC 410-641051/8	0.25	0.132046	5.0	761740.0	0.528185	Y
3	IC 410-641051/7	1.25	0.722832	5.0	768228.0	0.578266	Y
4	IC 410-641051/6	3.75	2.182212	5.0	782637.0	0.581923	Y
5	IC 410-641051/5	7.5	4.415259	5.0	753624.0	0.588701	Y
6	ICIS 410-641051/2	12.5	7.548752	5.0	870930.0	0.6039	Y
7	IC 410-641051/4	20.0	12.732772	5.0	806026.0	0.636639	Y
8	IC 410-641051/3	30.0	18.240163	5.0	801148.0	0.608005	Y



Calibration / 2-Acetylaminofluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

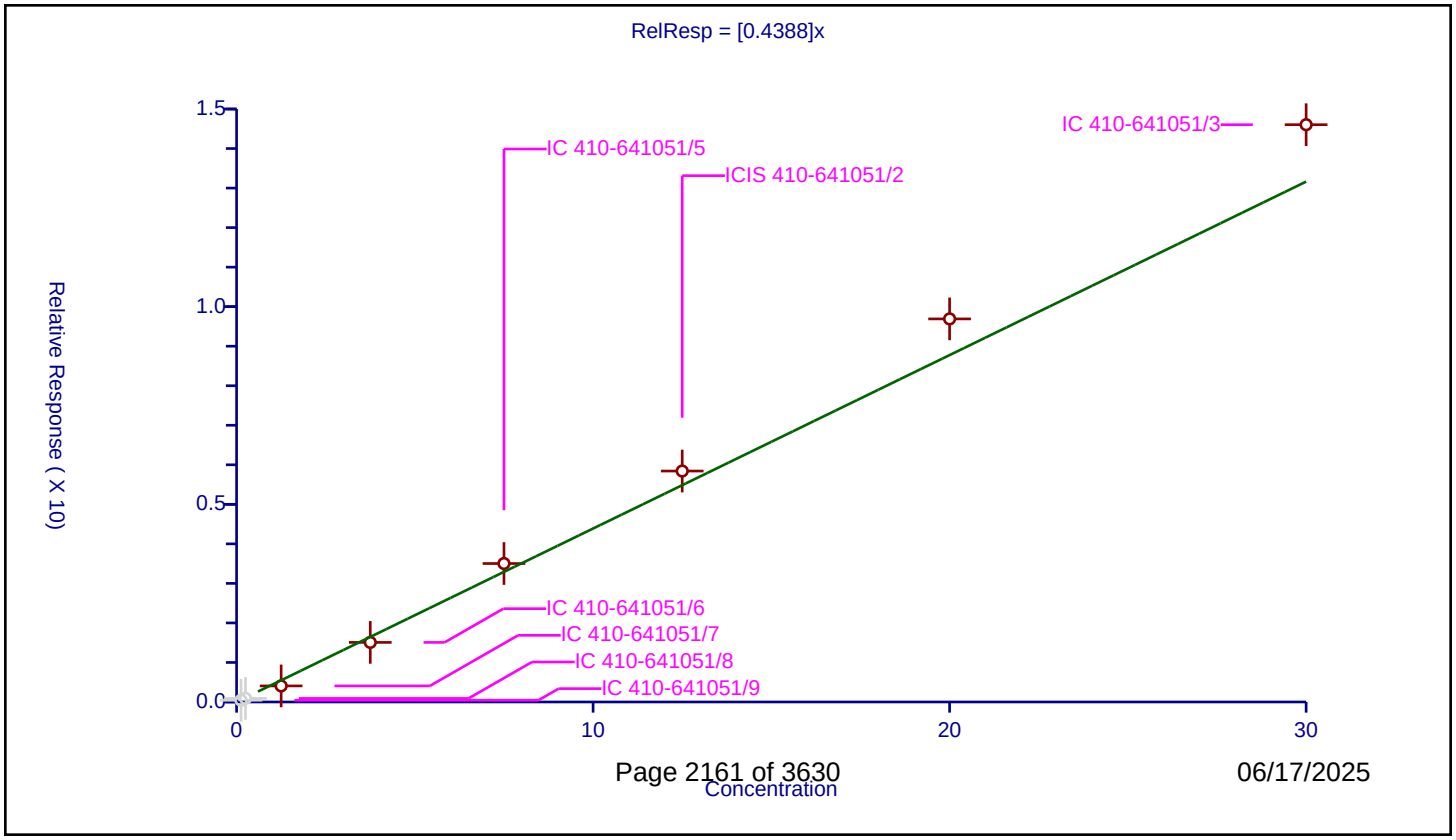
Curve Coefficients

Intercept:	0
Slope:	0.4388

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.044042	5.0	760414.0	0.352334	N
2	IC 410-641051/8	0.25	0.090602	5.0	761740.0	0.362407	N
3	IC 410-641051/7	1.25	0.406247	5.0	768228.0	0.324997	Y
4	IC 410-641051/6	3.75	1.507302	5.0	782637.0	0.401947	Y
5	IC 410-641051/5	7.5	3.50239	5.0	753624.0	0.466985	Y
6	ICIS 410-641051/2	12.5	5.841761	5.0	870930.0	0.467341	Y
7	IC 410-641051/4	20.0	9.690519	5.0	806026.0	0.484526	Y
8	IC 410-641051/3	30.0	14.603026	5.0	801148.0	0.486768	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

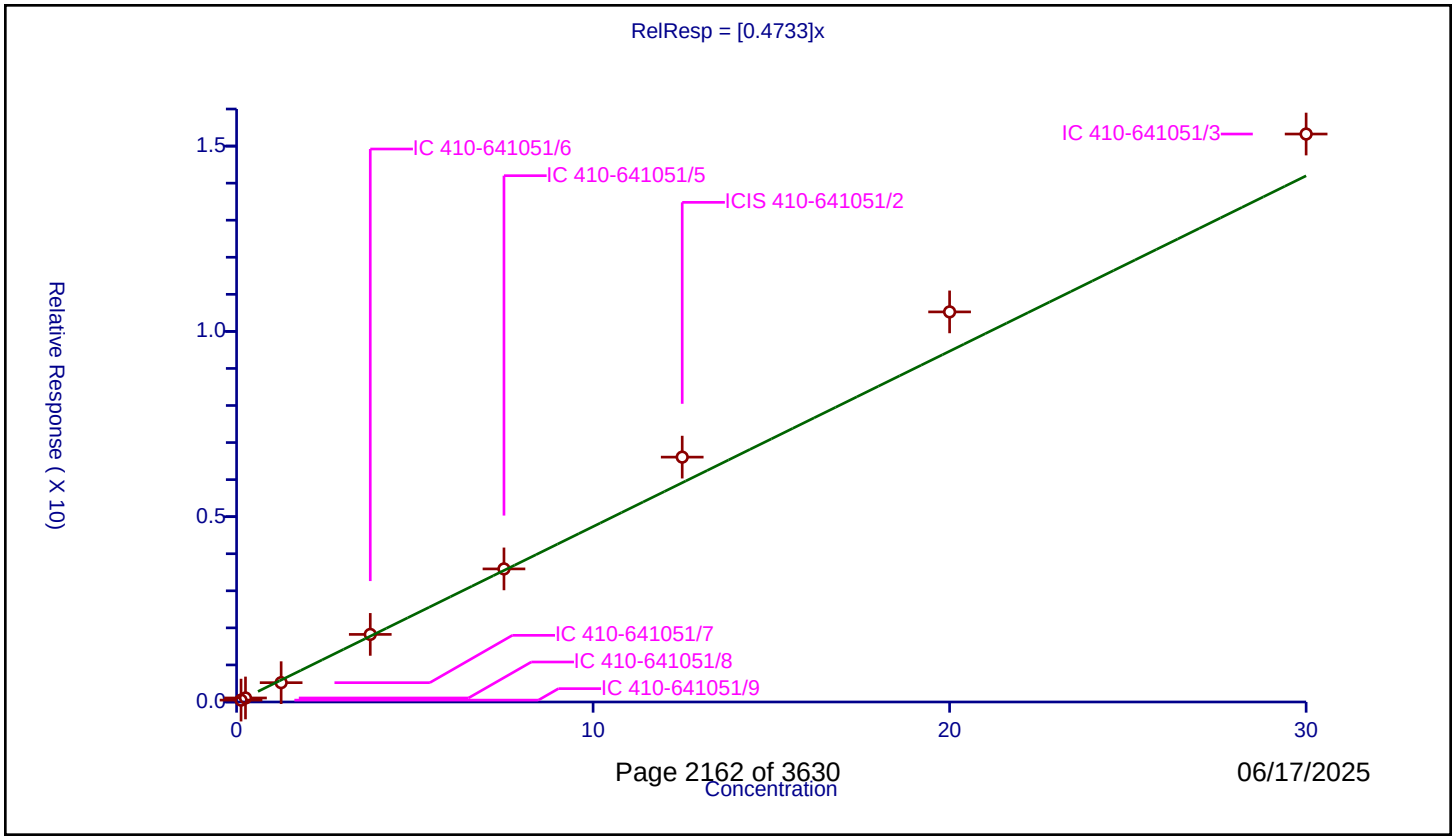
Curve Coefficients

Intercept:	0
Slope:	0.4733

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.050676	5.0	760414.0	0.405411	Y
2	IC 410-641051/8	0.25	0.10816	5.0	761740.0	0.432641	Y
3	IC 410-641051/7	1.25	0.521577	5.0	768228.0	0.417262	Y
4	IC 410-641051/6	3.75	1.82361	5.0	782637.0	0.486296	Y
5	IC 410-641051/5	7.5	3.590756	5.0	753624.0	0.478767	Y
6	ICIS 410-641051/2	12.5	6.60684	5.0	870930.0	0.528547	Y
7	IC 410-641051/4	20.0	10.52592	5.0	806026.0	0.526296	Y
8	IC 410-641051/3	30.0	15.325321	5.0	801148.0	0.510844	Y



Calibration / 4,4'-Methylene bis(2-chloroaniline)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

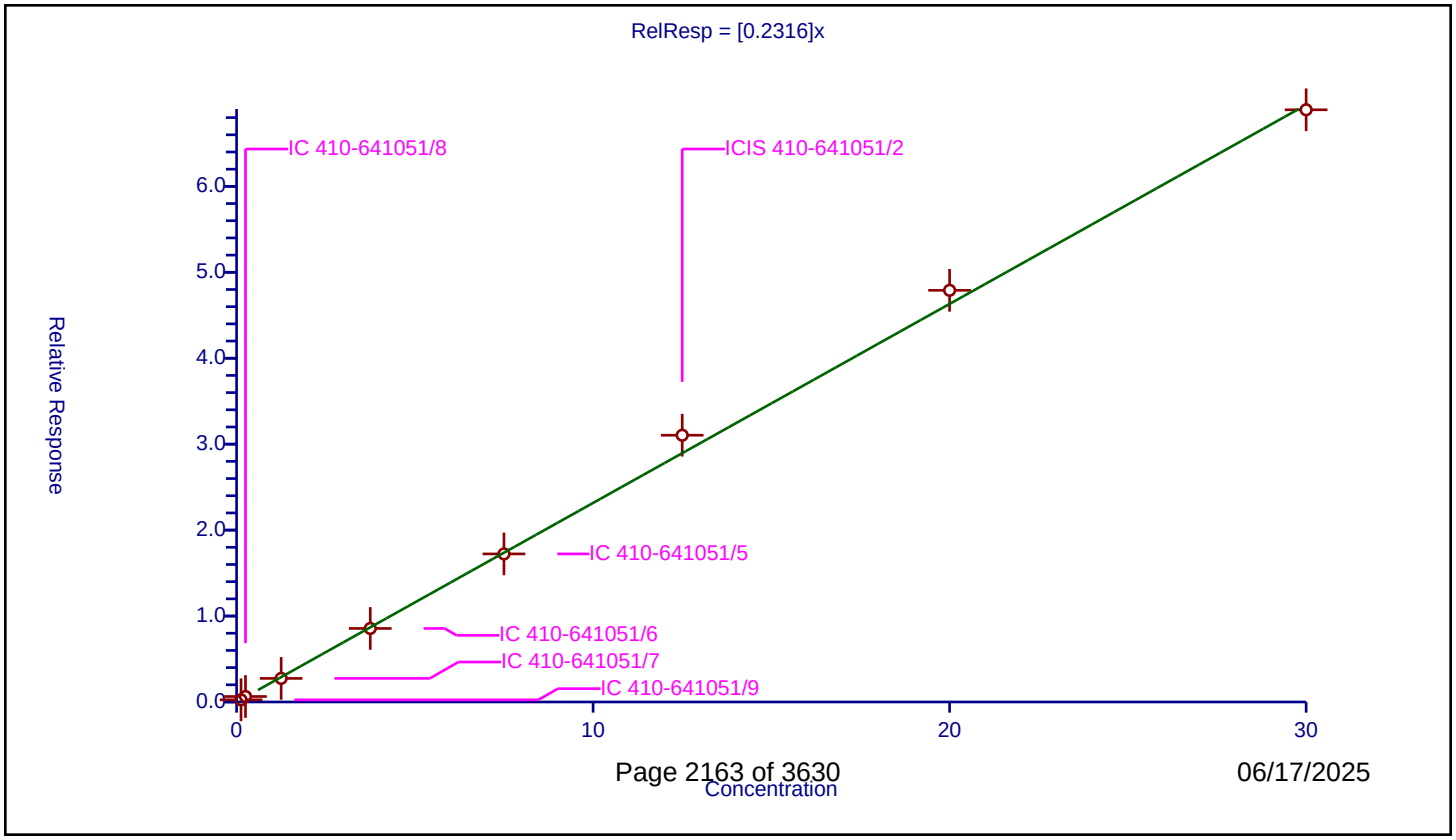
Curve Coefficients

Intercept:	0
Slope:	0.2316

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.025289	5.0	760414.0	0.202311	Y
2	IC 410-641051/8	0.25	0.063887	5.0	761740.0	0.255547	Y
3	IC 410-641051/7	1.25	0.274528	5.0	768228.0	0.219622	Y
4	IC 410-641051/6	3.75	0.855524	5.0	782637.0	0.22814	Y
5	IC 410-641051/5	7.5	1.723014	5.0	753624.0	0.229735	Y
6	ICIS 410-641051/2	12.5	3.103946	5.0	870930.0	0.248316	Y
7	IC 410-641051/4	20.0	4.790354	5.0	806026.0	0.239518	Y
8	IC 410-641051/3	30.0	6.890912	5.0	801148.0	0.229697	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

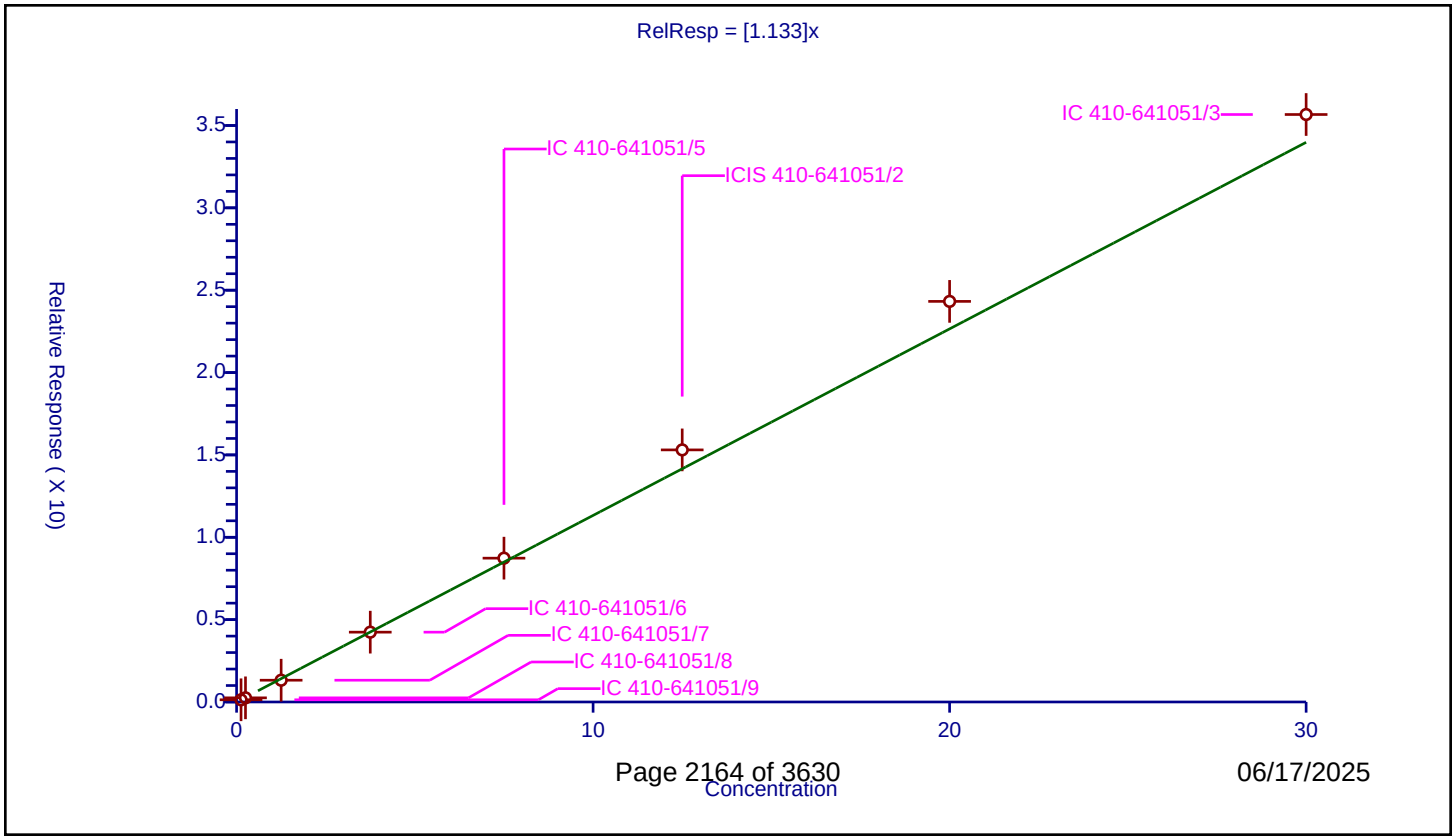
Curve Coefficients

Intercept:	0
Slope:	1.133

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.134243	5.0	760414.0	1.073941	Y
2	IC 410-641051/8	0.25	0.251411	5.0	761740.0	1.005645	Y
3	IC 410-641051/7	1.25	1.321587	5.0	768228.0	1.057269	Y
4	IC 410-641051/6	3.75	4.238759	5.0	782637.0	1.130336	Y
5	IC 410-641051/5	7.5	8.731715	5.0	753624.0	1.164229	Y
6	ICIS 410-641051/2	12.5	15.305524	5.0	870930.0	1.224442	Y
7	IC 410-641051/4	20.0	24.320394	5.0	806026.0	1.21602	Y
8	IC 410-641051/3	30.0	35.667037	5.0	801148.0	1.188901	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

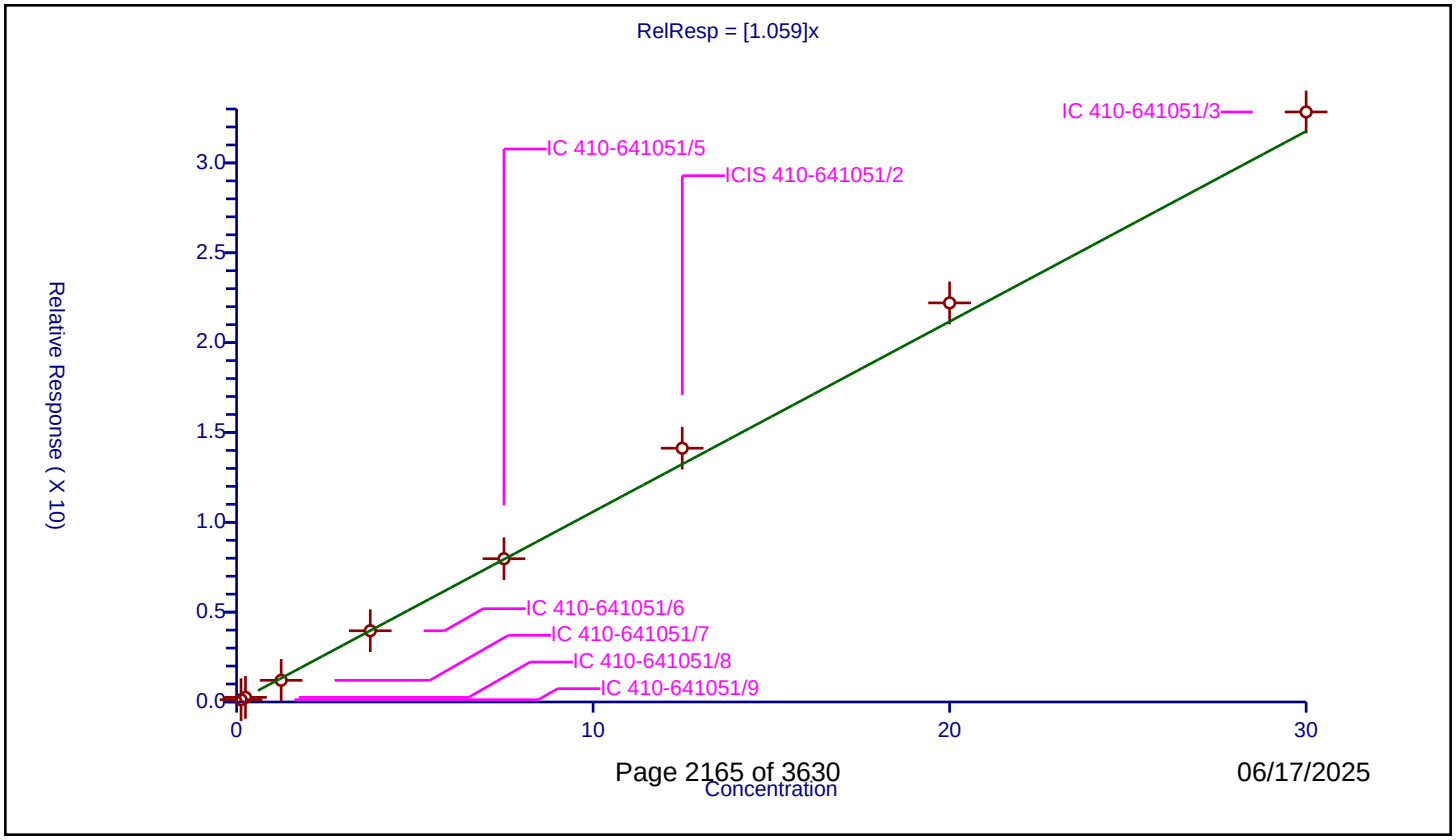
Curve Coefficients

Intercept:	0
Slope:	1.059

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.127832	5.0	760414.0	1.022653	Y
2	IC 410-641051/8	0.25	0.256748	5.0	761740.0	1.026991	Y
3	IC 410-641051/7	1.25	1.205807	5.0	768228.0	0.964646	Y
4	IC 410-641051/6	3.75	3.965312	5.0	782637.0	1.057417	Y
5	IC 410-641051/5	7.5	7.97255	5.0	753624.0	1.063007	Y
6	ICIS 410-641051/2	12.5	14.122622	5.0	870930.0	1.12981	Y
7	IC 410-641051/4	20.0	22.20888	5.0	806026.0	1.110444	Y
8	IC 410-641051/3	30.0	32.836473	5.0	801148.0	1.094549	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

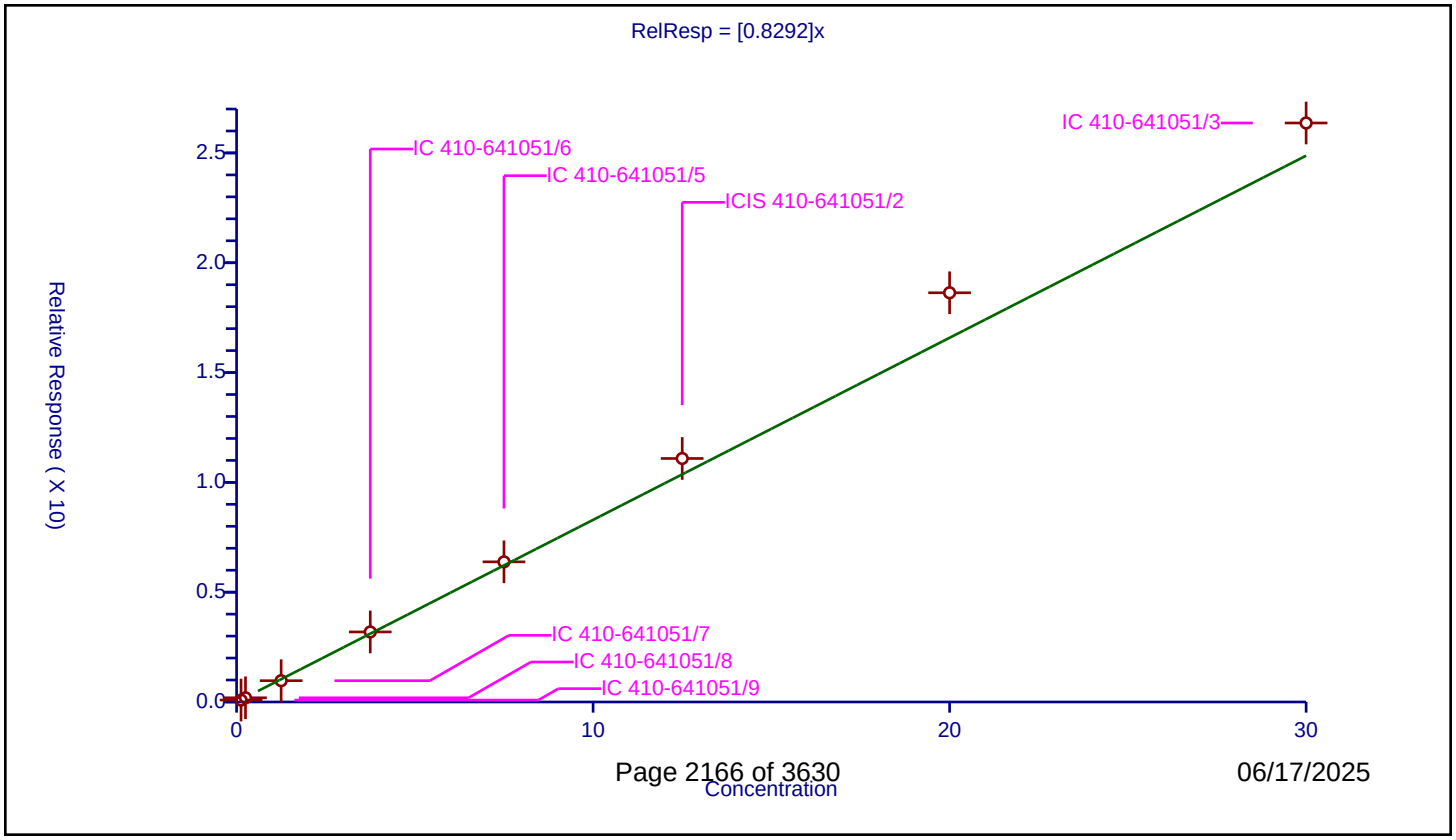
Curve Coefficients

Intercept:	0
Slope:	0.8292

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.086972	5.0	760414.0	0.695779	Y
2	IC 410-641051/8	0.25	0.190767	5.0	761740.0	0.763069	Y
3	IC 410-641051/7	1.25	0.969849	5.0	768228.0	0.775879	Y
4	IC 410-641051/6	3.75	3.189007	5.0	782637.0	0.850402	Y
5	IC 410-641051/5	7.5	6.380881	5.0	753624.0	0.850784	Y
6	ICIS 410-641051/2	12.5	11.08817	5.0	870930.0	0.887054	Y
7	IC 410-641051/4	20.0	18.632234	5.0	806026.0	0.931612	Y
8	IC 410-641051/3	30.0	26.364055	5.0	801148.0	0.878802	Y



Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

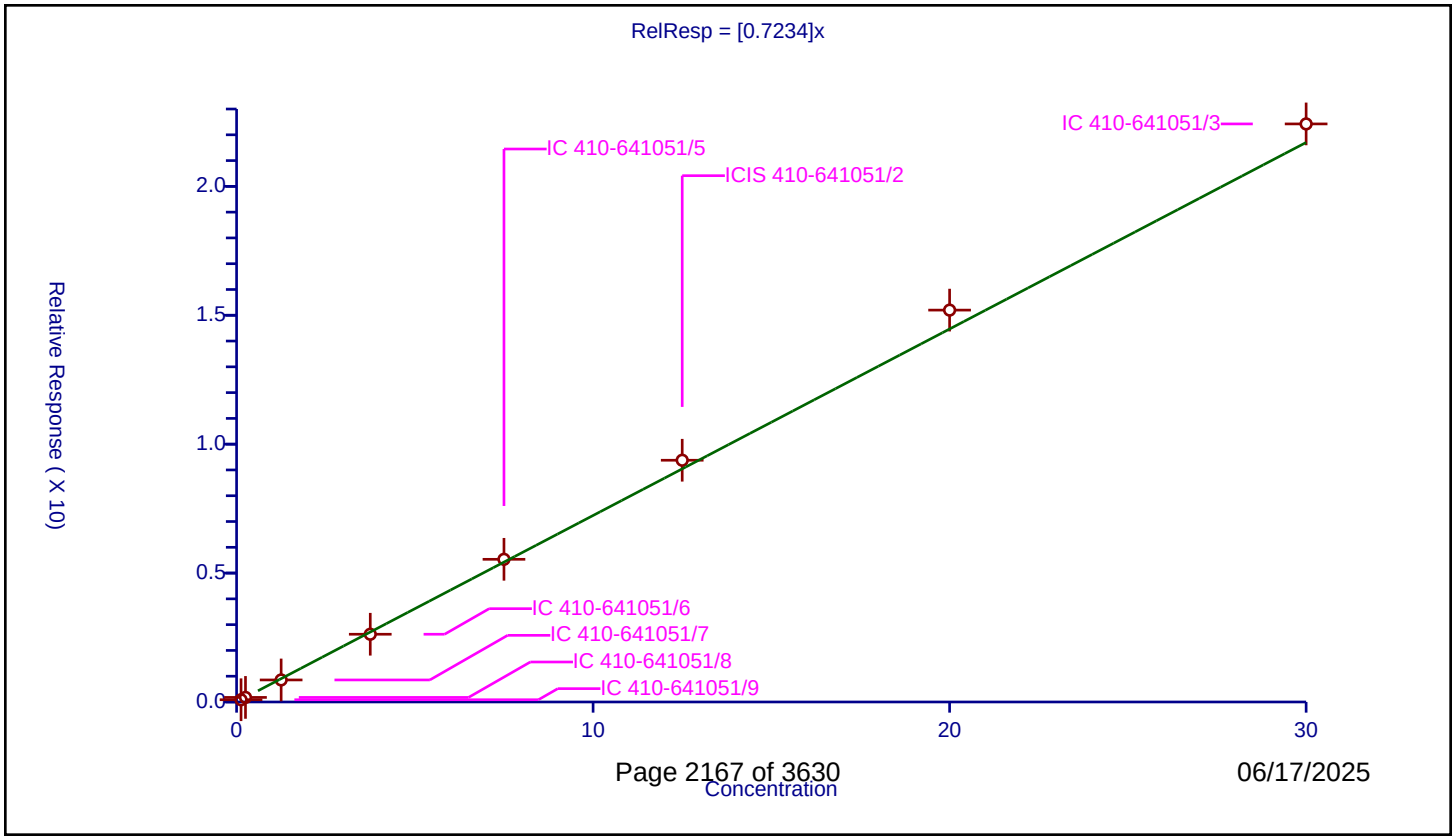
Curve Coefficients

Intercept:	0
Slope:	0.7234

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.087288	5.0	760414.0	0.698304	Y
2	IC 410-641051/8	0.25	0.177121	5.0	761740.0	0.708483	Y
3	IC 410-641051/7	1.25	0.855143	5.0	768228.0	0.684115	Y
4	IC 410-641051/6	3.75	2.628217	5.0	782637.0	0.700858	Y
5	IC 410-641051/5	7.5	5.534398	5.0	753624.0	0.73792	Y
6	ICIS 410-641051/2	12.5	9.376913	5.0	870930.0	0.750153	Y
7	IC 410-641051/4	20.0	15.200068	5.0	806026.0	0.760003	Y
8	IC 410-641051/3	30.0	22.421619	5.0	801148.0	0.747387	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

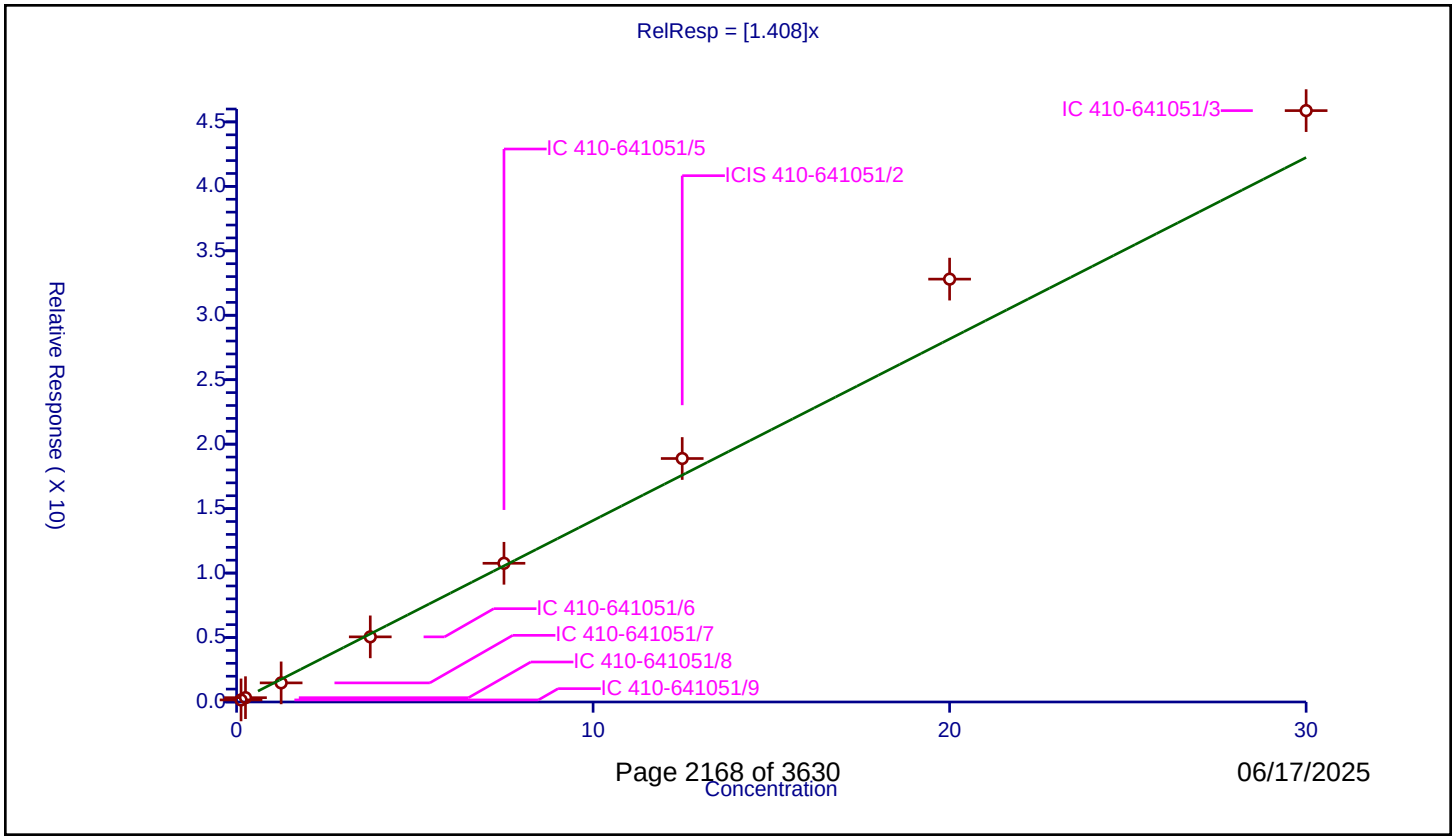
Curve Coefficients

Intercept:	0
Slope:	1.408

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.159854	5.0	703955.0	1.278832	Y
2	IC 410-641051/8	0.25	0.334349	5.0	746749.0	1.337397	Y
3	IC 410-641051/7	1.25	1.481631	5.0	761232.0	1.185305	Y
4	IC 410-641051/6	3.75	5.052314	5.0	814981.0	1.347284	Y
5	IC 410-641051/5	7.5	10.759378	5.0	718924.0	1.434584	Y
6	ICIS 410-641051/2	12.5	18.888655	5.0	867161.0	1.511092	Y
7	IC 410-641051/4	20.0	32.803613	5.0	767251.0	1.640181	Y
8	IC 410-641051/3	30.0	45.875477	5.0	780877.0	1.529183	Y



Calibration / 7,12-Dimethylbenz(a)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

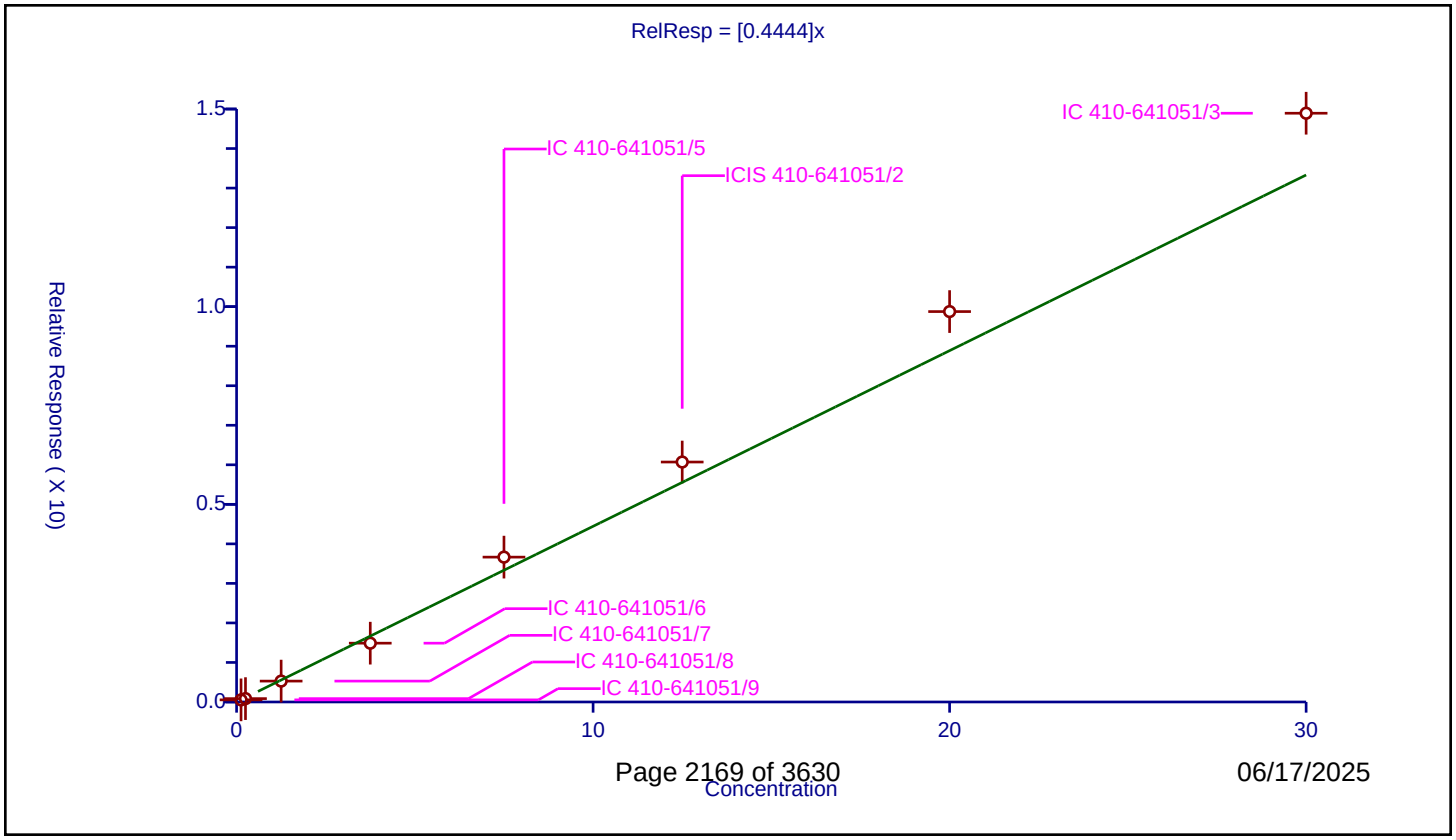
Curve Coefficients

Intercept:	0
Slope:	0.4444

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.053732	5.0	703955.0	0.429857	Y
2	IC 410-641051/8	0.25	0.085296	5.0	746749.0	0.341186	Y
3	IC 410-641051/7	1.25	0.528545	5.0	761232.0	0.422836	Y
4	IC 410-641051/6	3.75	1.487703	5.0	814981.0	0.396721	Y
5	IC 410-641051/5	7.5	3.664289	5.0	718924.0	0.488572	Y
6	ICIS 410-641051/2	12.5	6.07017	5.0	867161.0	0.485614	Y
7	IC 410-641051/4	20.0	9.876064	5.0	767251.0	0.493803	Y
8	IC 410-641051/3	30.0	14.893696	5.0	780877.0	0.496457	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

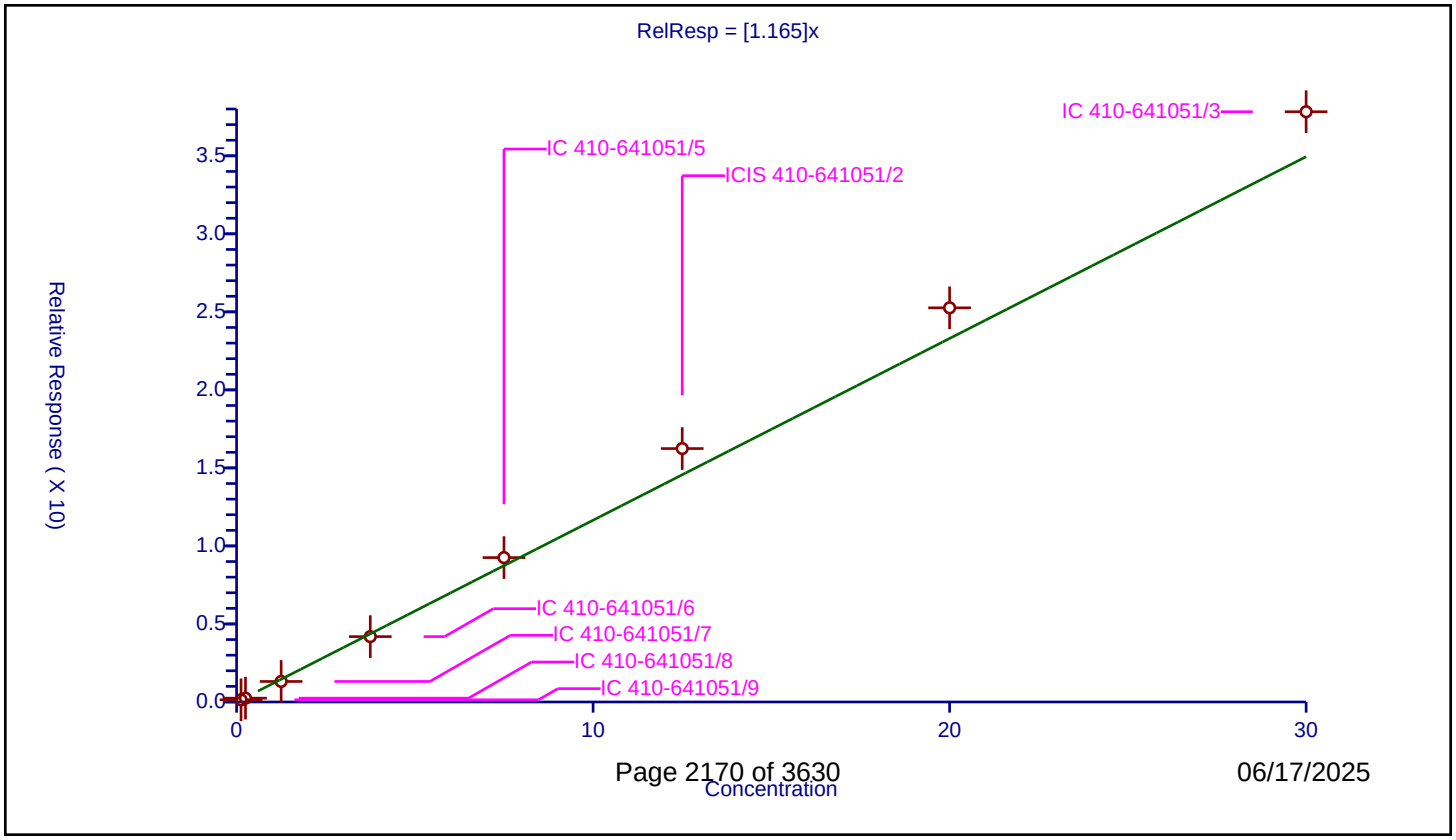
Curve Coefficients

Intercept:	0
Slope:	1.165

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.13883	5.0	703955.0	1.110639	Y
2	IC 410-641051/8	0.25	0.245578	5.0	746749.0	0.982311	Y
3	IC 410-641051/7	1.25	1.314658	5.0	761232.0	1.051727	Y
4	IC 410-641051/6	3.75	4.188693	5.0	814981.0	1.116985	Y
5	IC 410-641051/5	7.5	9.253057	5.0	718924.0	1.233741	Y
6	ICIS 410-641051/2	12.5	16.241136	5.0	867161.0	1.299291	Y
7	IC 410-641051/4	20.0	25.259739	5.0	767251.0	1.262987	Y
8	IC 410-641051/3	30.0	37.825618	5.0	780877.0	1.260854	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

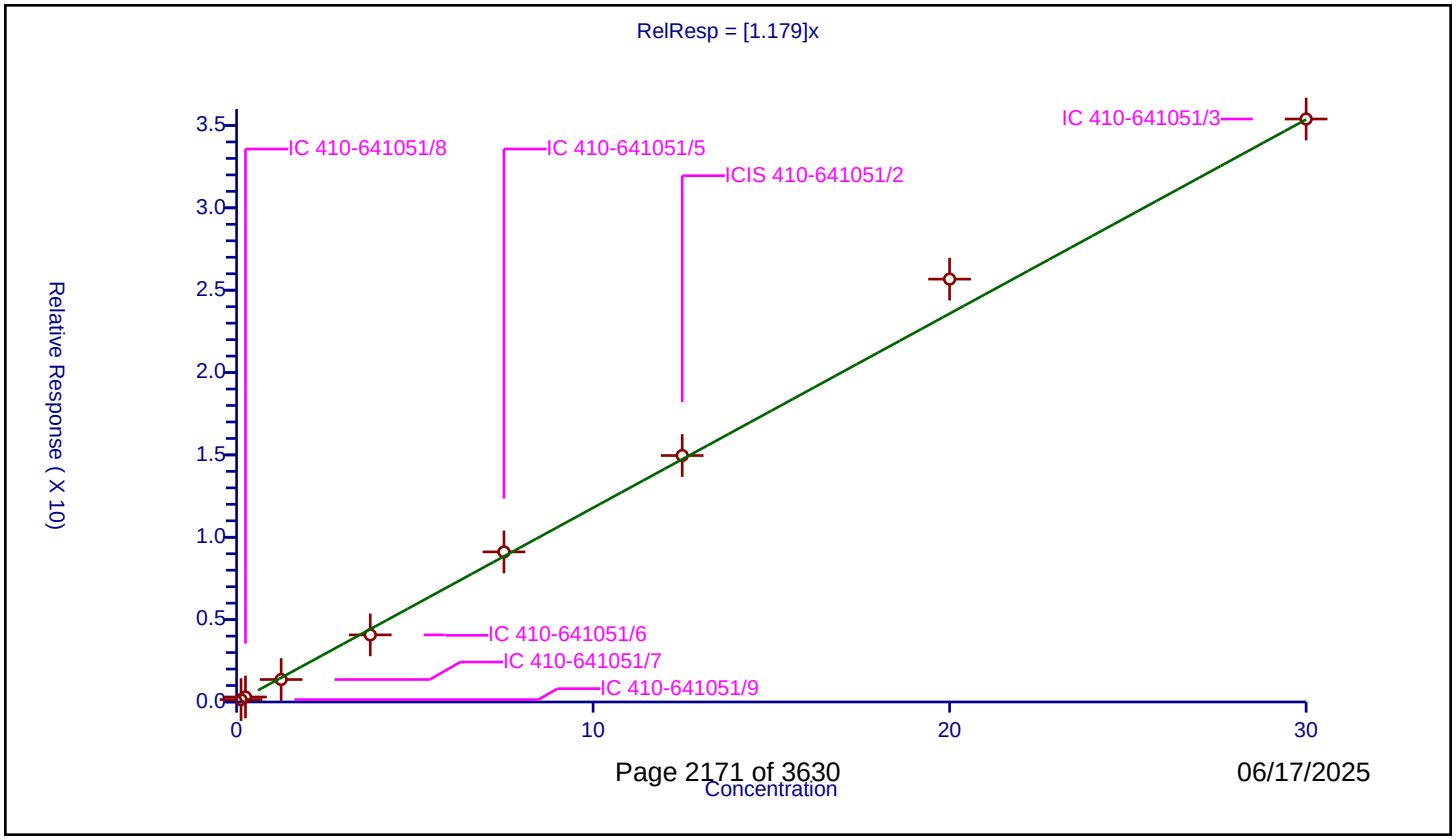
Curve Coefficients

Intercept:	0
Slope:	1.179

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.145357	5.0	703955.0	1.162858	Y
2	IC 410-641051/8	0.25	0.30365	5.0	746749.0	1.214598	Y
3	IC 410-641051/7	1.25	1.364407	5.0	761232.0	1.091525	Y
4	IC 410-641051/6	3.75	4.074481	5.0	814981.0	1.086528	Y
5	IC 410-641051/5	7.5	9.111881	5.0	718924.0	1.214917	Y
6	ICIS 410-641051/2	12.5	14.963398	5.0	867161.0	1.197072	Y
7	IC 410-641051/4	20.0	25.672902	5.0	767251.0	1.283645	Y
8	IC 410-641051/3	30.0	35.392904	5.0	780877.0	1.179763	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

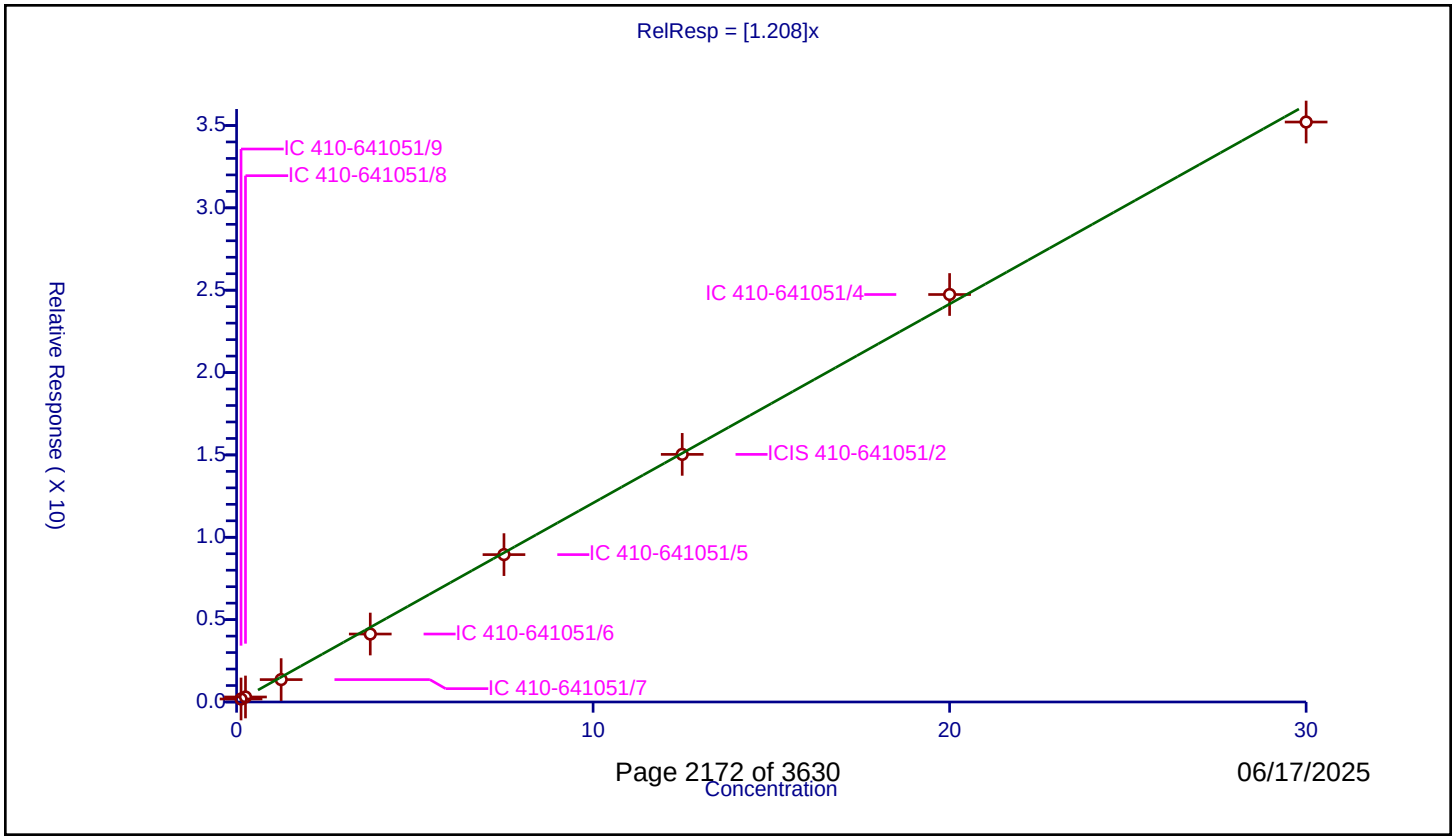
Curve Coefficients

Intercept:	0
Slope:	1.208

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.182497	5.0	703955.0	1.45998	Y
2	IC 410-641051/8	0.25	0.3029	5.0	746749.0	1.211599	Y
3	IC 410-641051/7	1.25	1.358712	5.0	761232.0	1.08697	Y
4	IC 410-641051/6	3.75	4.126176	5.0	814981.0	1.100314	Y
5	IC 410-641051/5	7.5	8.947128	5.0	718924.0	1.19295	Y
6	ICIS 410-641051/2	12.5	15.032935	5.0	867161.0	1.202635	Y
7	IC 410-641051/4	20.0	24.738501	5.0	767251.0	1.236925	Y
8	IC 410-641051/3	30.0	35.210212	5.0	780877.0	1.173674	Y



Calibration / 3-Methylcholanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

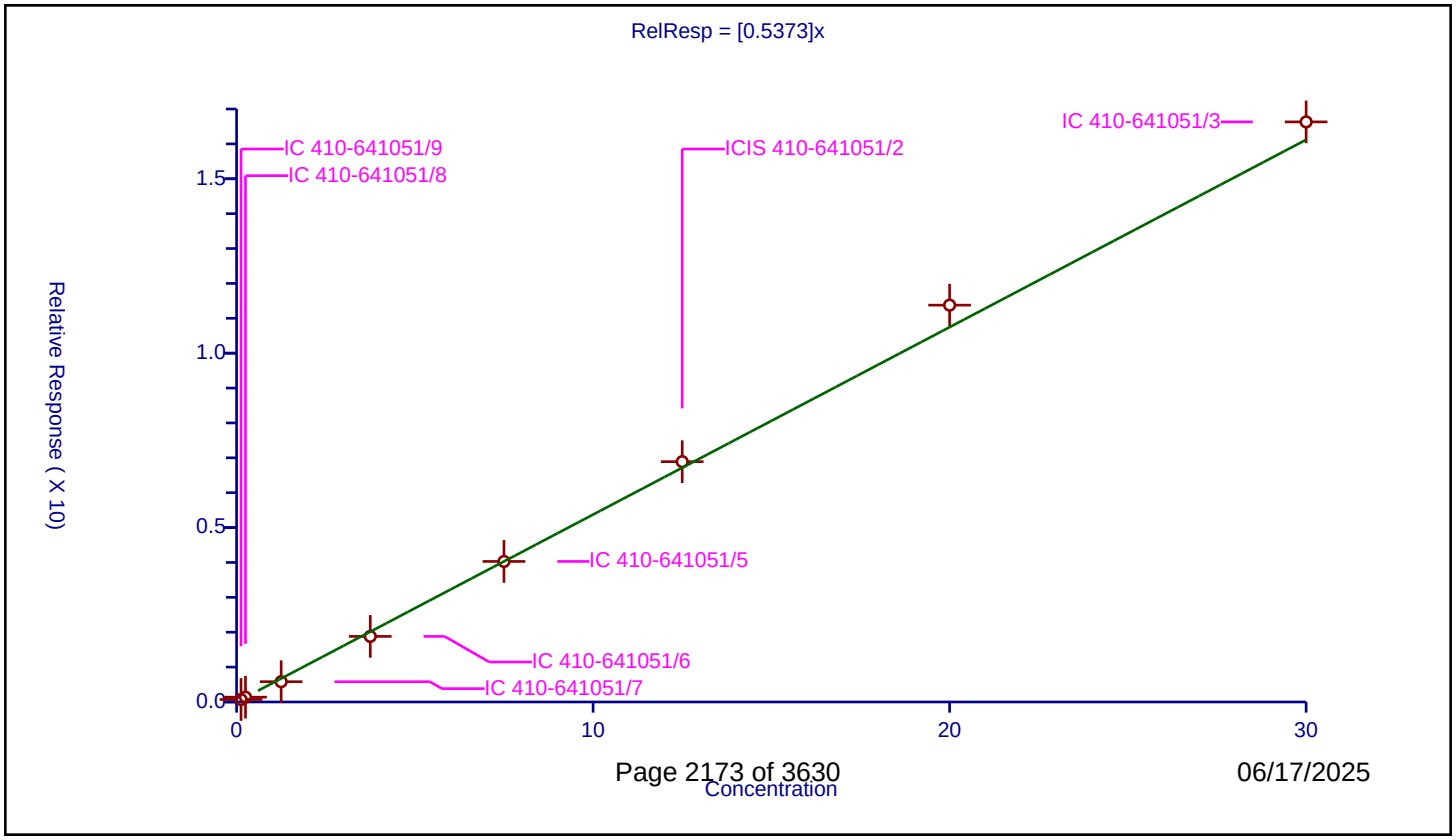
Curve Coefficients

Intercept:	0
Slope:	0.5373

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.071134	5.0	703955.0	0.56907	Y
2	IC 410-641051/8	0.25	0.137764	5.0	746749.0	0.551055	Y
3	IC 410-641051/7	1.25	0.581367	5.0	761232.0	0.465093	Y
4	IC 410-641051/6	3.75	1.880676	5.0	814981.0	0.501514	Y
5	IC 410-641051/5	7.5	4.029501	5.0	718924.0	0.537267	Y
6	ICIS 410-641051/2	12.5	6.889113	5.0	867161.0	0.551129	Y
7	IC 410-641051/4	20.0	11.377176	5.0	767251.0	0.568859	Y
8	IC 410-641051/3	30.0	16.630628	5.0	780877.0	0.554354	Y



Calibration / Dibenz[a,h]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

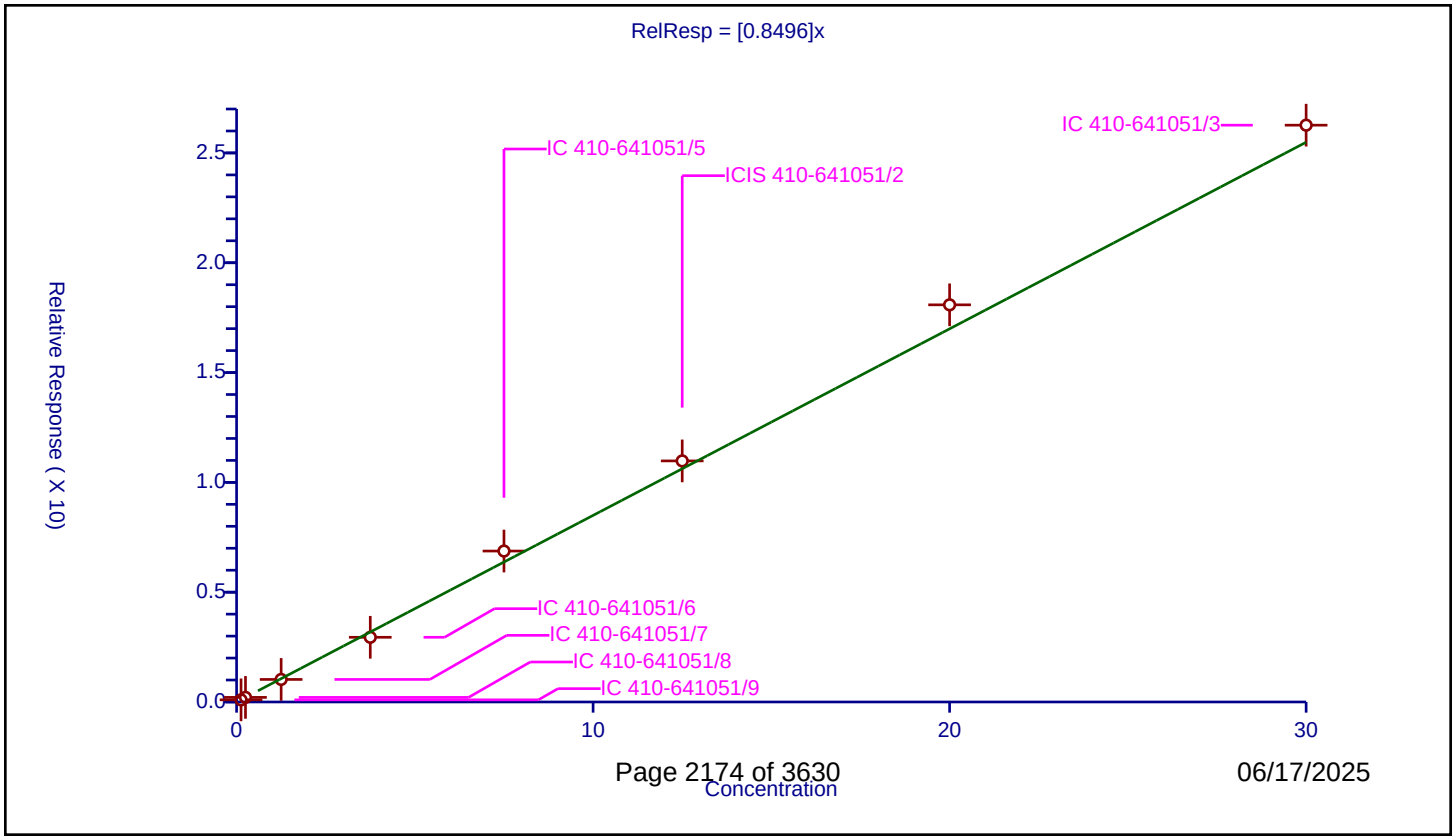
Curve Coefficients

Intercept:	0
Slope:	0.8496

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.097435	5.0	703955.0	0.779482	Y
2	IC 410-641051/8	0.25	0.209039	5.0	746749.0	0.836158	Y
3	IC 410-641051/7	1.25	1.026481	5.0	761232.0	0.821185	Y
4	IC 410-641051/6	3.75	2.946228	5.0	814981.0	0.785661	Y
5	IC 410-641051/5	7.5	6.872493	5.0	718924.0	0.916332	Y
6	ICIS 410-641051/2	12.5	10.976854	5.0	867161.0	0.878148	Y
7	IC 410-641051/4	20.0	18.083652	5.0	767251.0	0.904183	Y
8	IC 410-641051/3	30.0	26.264642	5.0	780877.0	0.875488	Y



Calibration / Dibenz[a,j]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

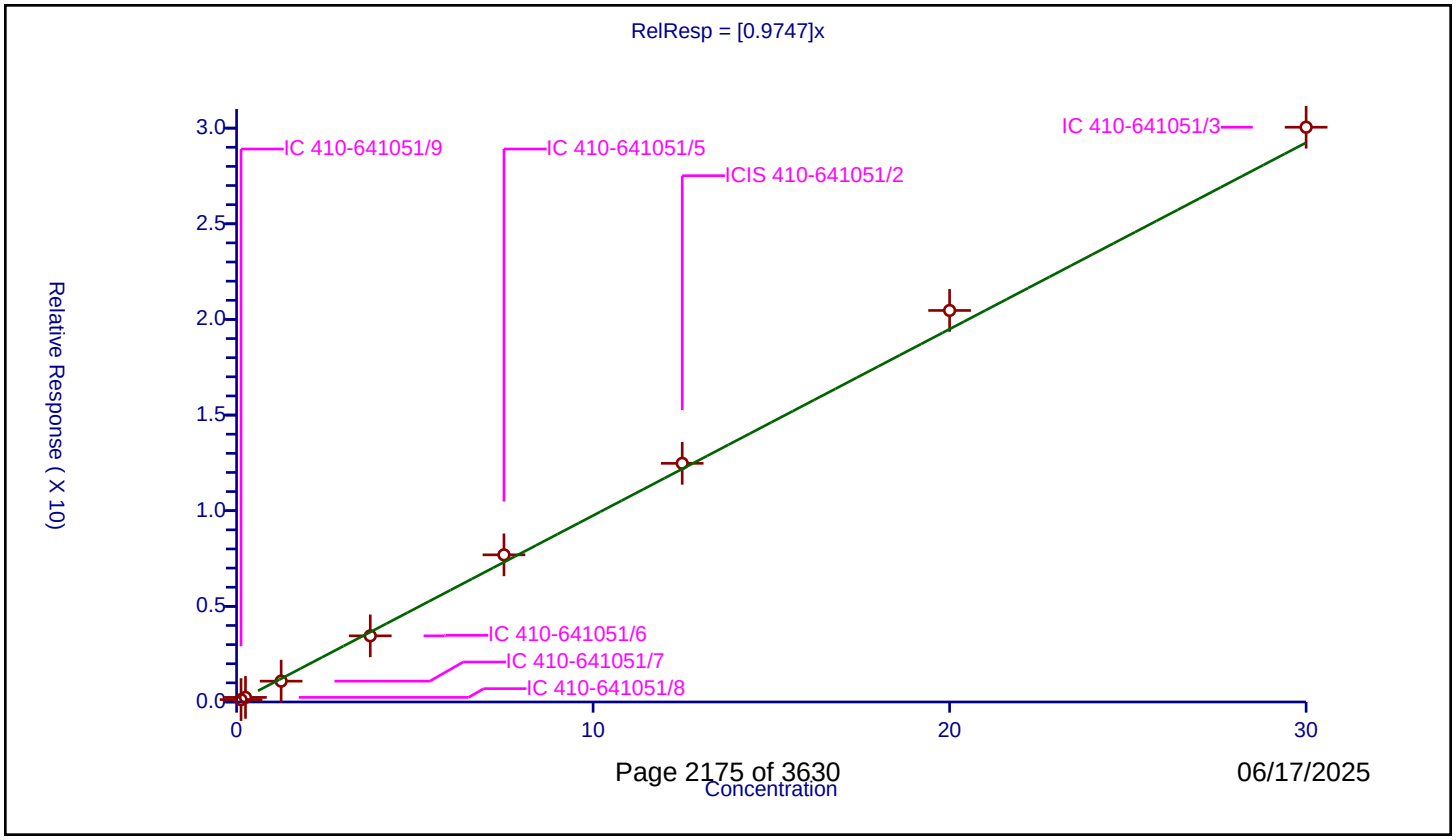
Curve Coefficients

Intercept:	0
Slope:	0.9747

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.124127	5.0	703955.0	0.993018	Y
2	IC 410-641051/8	0.25	0.240382	5.0	746749.0	0.961528	Y
3	IC 410-641051/7	1.25	1.089931	5.0	761232.0	0.871944	Y
4	IC 410-641051/6	3.75	3.457798	5.0	814981.0	0.92208	Y
5	IC 410-641051/5	7.5	7.692726	5.0	718924.0	1.025697	Y
6	ICIS 410-641051/2	12.5	12.477077	5.0	867161.0	0.998166	Y
7	IC 410-641051/4	20.0	20.469436	5.0	767251.0	1.023472	Y
8	IC 410-641051/3	30.0	30.048362	5.0	780877.0	1.001612	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

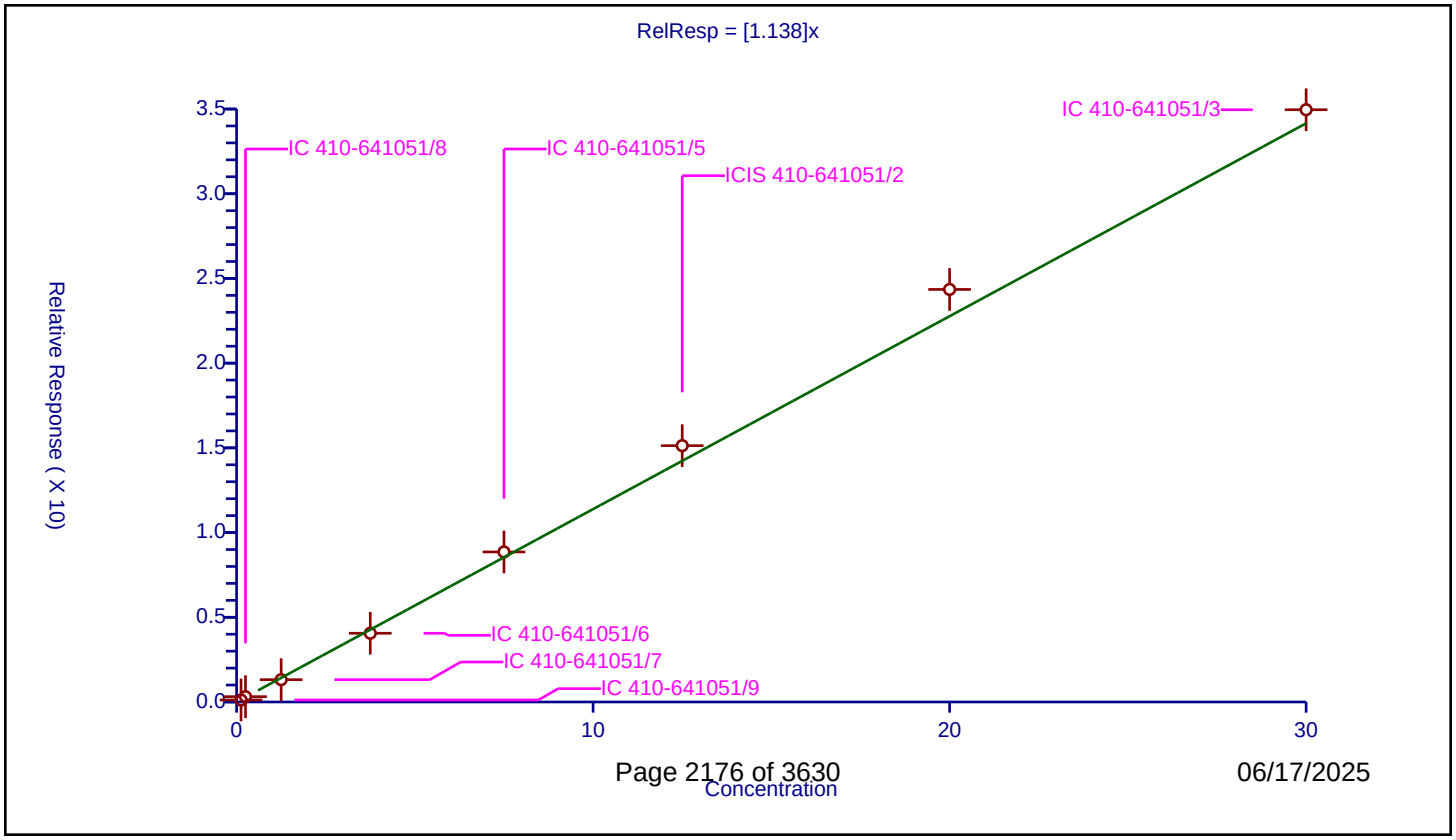
Curve Coefficients

Intercept:	0
Slope:	1.138

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.118118	5.0	703955.0	0.944947	Y
2	IC 410-641051/8	0.25	0.313512	5.0	746749.0	1.254049	Y
3	IC 410-641051/7	1.25	1.316366	5.0	761232.0	1.053093	Y
4	IC 410-641051/6	3.75	4.056328	5.0	814981.0	1.081687	Y
5	IC 410-641051/5	7.5	8.856513	5.0	718924.0	1.180868	Y
6	ICIS 410-641051/2	12.5	15.129607	5.0	867161.0	1.210369	Y
7	IC 410-641051/4	20.0	24.350363	5.0	767251.0	1.217518	Y
8	IC 410-641051/3	30.0	34.957625	5.0	780877.0	1.165254	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

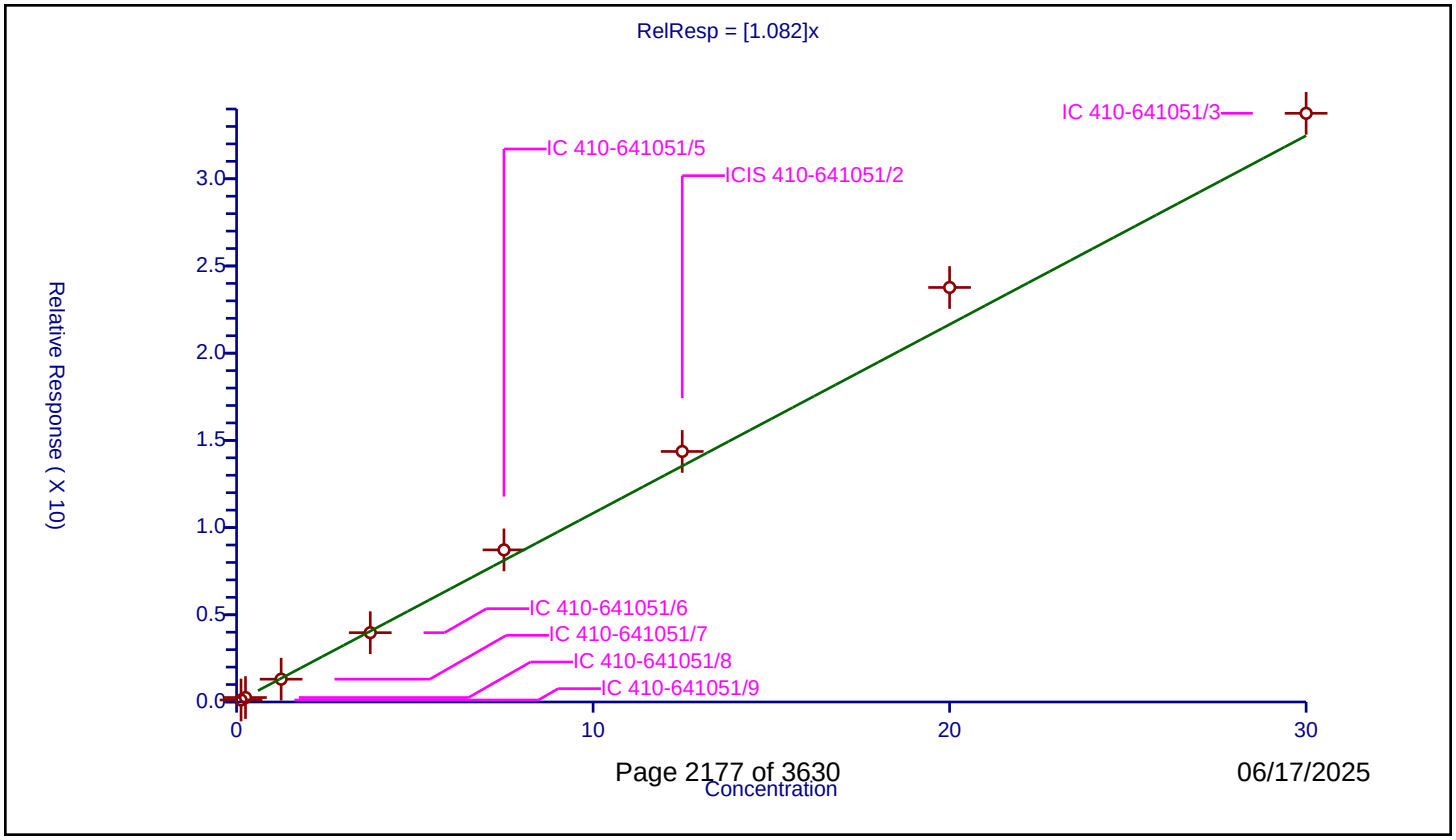
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.113914	5.0	703955.0	0.911308	Y
2	IC 410-641051/8	0.25	0.254242	5.0	746749.0	1.016968	Y
3	IC 410-641051/7	1.25	1.307519	5.0	761232.0	1.046015	Y
4	IC 410-641051/6	3.75	3.974074	5.0	814981.0	1.059753	Y
5	IC 410-641051/5	7.5	8.721068	5.0	718924.0	1.162809	Y
6	ICIS 410-641051/2	12.5	14.364345	5.0	867161.0	1.149148	Y
7	IC 410-641051/4	20.0	23.767242	5.0	767251.0	1.188362	Y
8	IC 410-641051/3	30.0	33.753446	5.0	780877.0	1.125115	Y



06/17/2025

Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

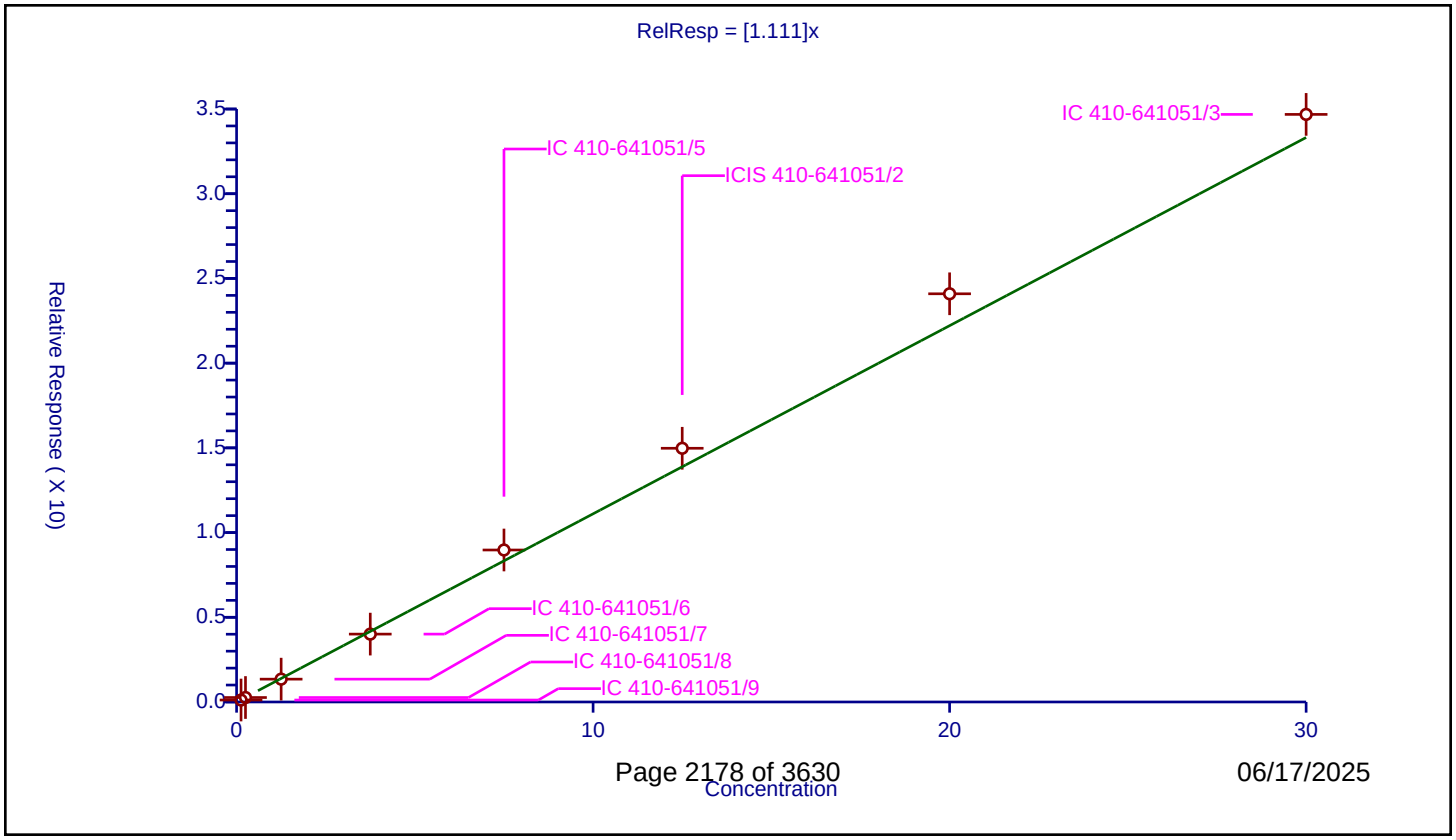
Curve Coefficients

Intercept:	0
Slope:	1.111

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.115902	5.0	703955.0	0.927218	Y
2	IC 410-641051/8	0.25	0.263897	5.0	746749.0	1.055589	Y
3	IC 410-641051/7	1.25	1.34859	5.0	761232.0	1.078872	Y
4	IC 410-641051/6	3.75	4.006118	5.0	814981.0	1.068298	Y
5	IC 410-641051/5	7.5	8.9709	5.0	718924.0	1.19612	Y
6	ICIS 410-641051/2	12.5	14.975529	5.0	867161.0	1.198042	Y
7	IC 410-641051/4	20.0	24.094371	5.0	767251.0	1.204719	Y
8	IC 410-641051/3	30.0	34.681576	5.0	780877.0	1.156053	Y



06/17/2025

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID (1): ICIS 410-638082/2 Instrument ID (1): HP18831

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 05/01/2025 09:34

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	13.41	14.70

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0101a.D				
Injection Date:	01-May-2025 09:34:30	Instrument ID:	HP18831		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

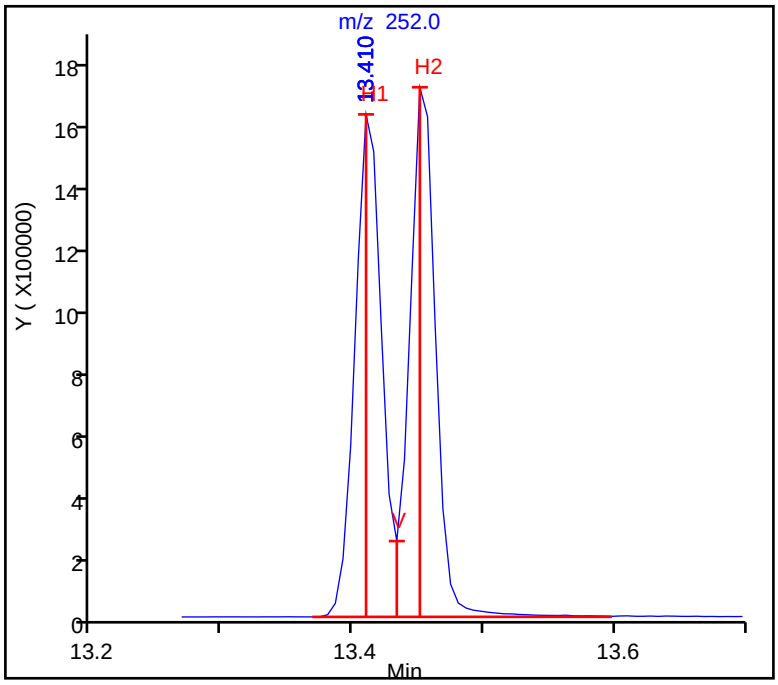
155 Benzo[b]fluoranthene - 157 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 244647
H1(155 Benzo[b]fluoranthen) = 1621833
H2(157 Benzo[k]fluoranthen) = 1709325

Version D: %R = 14.7 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID (1): ICIS 410-641051/2 Instrument ID (1): HP23264

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 05/07/2025 23:49

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.66	16.40

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0751a.D				
Injection Date:	07-May-2025 23:49:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

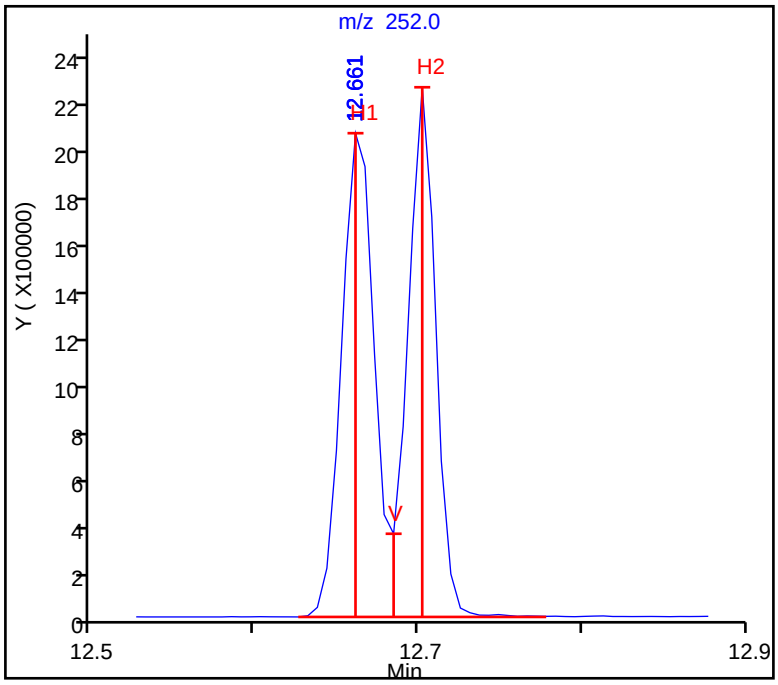
164 Benzo[b]fluoranthene - 165 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 347648
H1(164 Benzo[b]fluoranthen) = 2021888
H2(165 Benzo[k]fluoranthen) = 2213888

Version D: %R = 16.4 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID (1): ICIS 410-651088/2 Instrument ID (1): HP19760

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 05/30/2025 22:18

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.39	18.20

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3051.D				
Injection Date:	30-May-2025 22:18:56	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

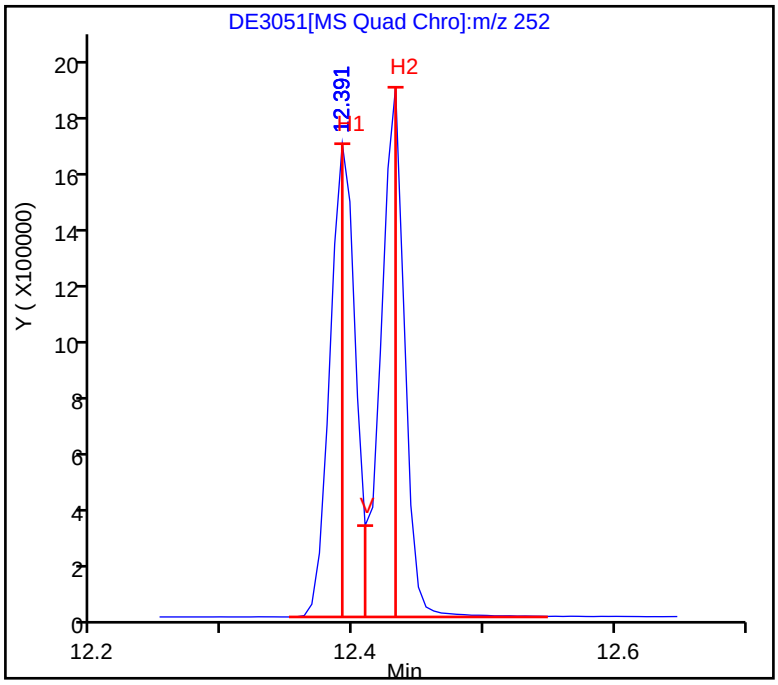
167 Benzo[b]fluoranthene - 168 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 323840
H1(167 Benzo[b]fluoranthen) = 1677824
H2(168 Benzo[k]fluoranthen) = 1878016

Version D: %R = 18.2 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID (1): CCVIS 410-653230/2 Instrument ID (1): HP19760

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 06/05/2025 07:38

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.37	25.00

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0501.D				
Injection Date:	05-Jun-2025 07:38:47	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

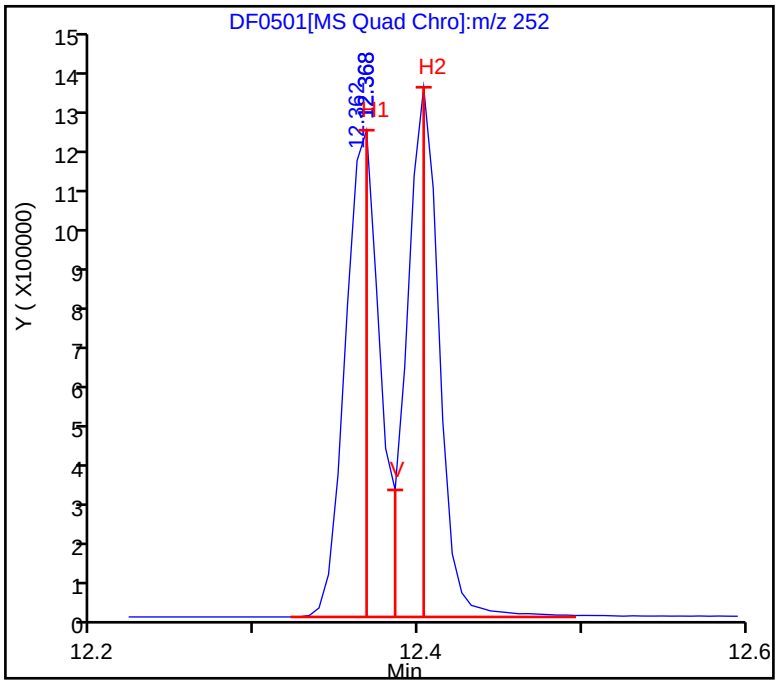
167 Benzo[b]fluoranthene - 168 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 320896
H1(167 Benzo[b]fluoranthen) = 1229824
H2(168 Benzo[k]fluoranthen) = 1338368

Version D: %R = 25.0 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID (1): CCVIS 410-653692/2 Instrument ID (1): HP18831

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 06/05/2025 21:20

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	13.05	18.10

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0551.D				
Injection Date:	05-Jun-2025 21:20:30	Instrument ID:	HP18831		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

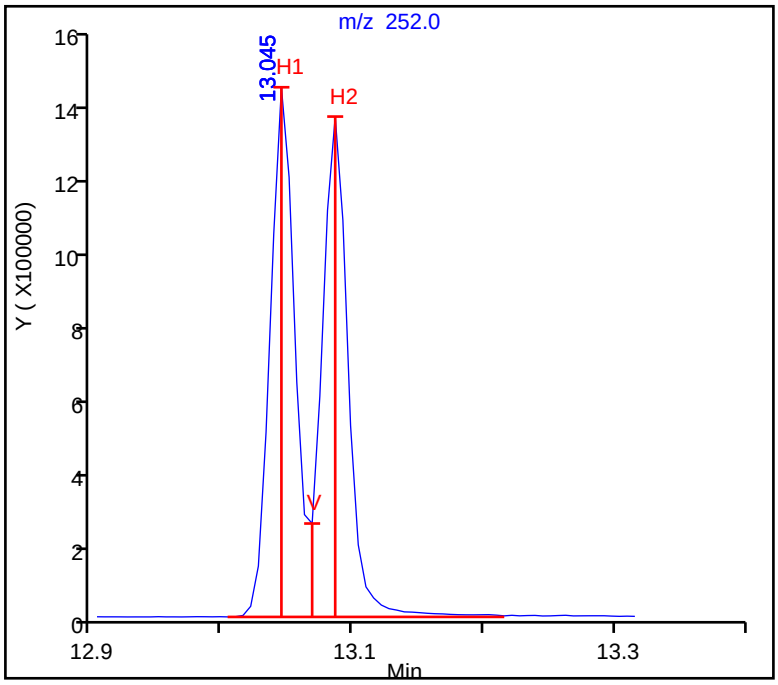
155 Benzo[b]fluoranthene - 157 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 244696
H1(155 Benzo[b]fluoranthen) = 1387490
H2(157 Benzo[k]fluoranthen) = 1310673

Version D: %R = 18.1 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID (1): CCVIS 410-653809/2 Instrument ID (1): HP23264

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 06/06/2025 07:30

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.50	15.10

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0601.D				
Injection Date:	06-Jun-2025 07:30:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

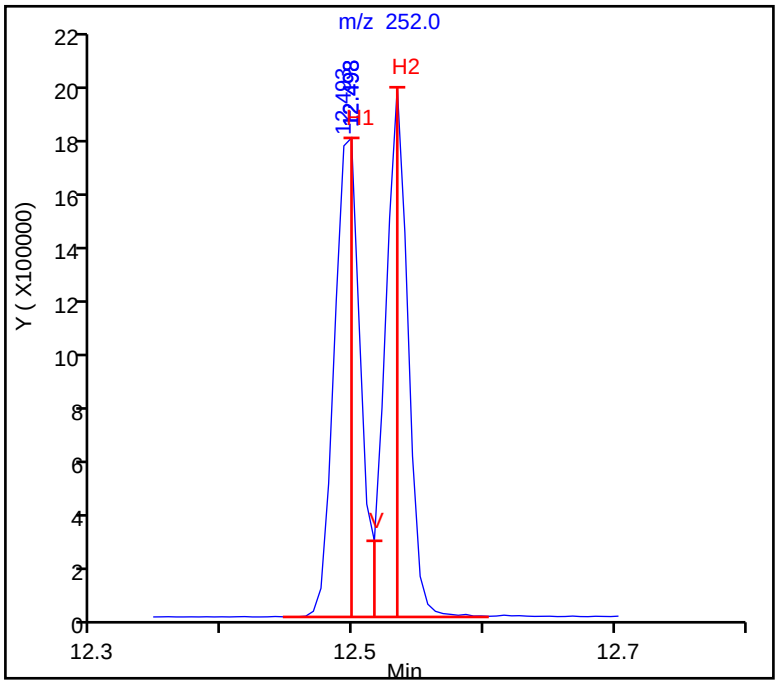
164 Benzo[b]fluoranthene - 165 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 283776
H1(164 Benzo[b]fluoranthen) = 1785856
H2(165 Benzo[k]fluoranthen) = 1974784

Version D: %R = 15.1 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID (1): CCVIS 410-655733/2 Instrument ID (1): HP19760

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 06/10/2025 19:35

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.21	19.00

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

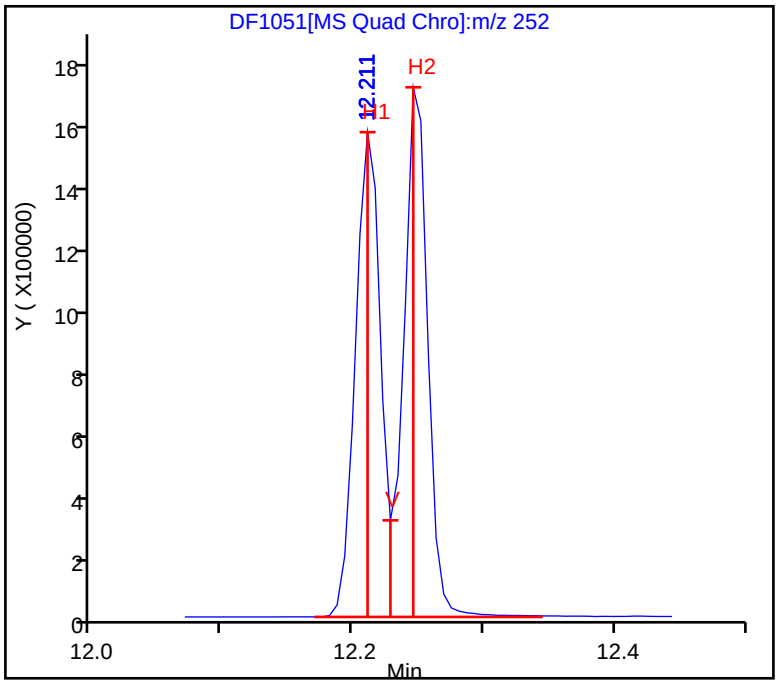
167 Benzo[b]fluoranthene - 168 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 310592
H1(167 Benzo[b]fluoranthen) = 1558528
H2(168 Benzo[k]fluoranthen) = 1702912

Version D: %R = 19.0 <= 50.0
Passed



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-638082/12 Calibration Date: 05/01/2025 13:28

Instrument ID: HP18831 Calib Start Date: 03/13/2025 10:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/13/2025 10:18

Lab File ID: HE0111.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 1	Ave	0.0427				1.25		
Aramite Peak 2	Ave	0.0420				1.25		
Aramite Peak 3	Ave	0.1212				5.00		
Aramite Peak 4	Ave	0.1607				5.00		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 01-May-2025 13:28:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0145811-012
Operator ID: CJS101602 Instrument ID: HP18831
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-May-2025 20:23:37 Calib Date: 01-May-2025 12:22:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

First Level Reviewer: WH7Z Date: 01-May-2025 19:34:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.216	2.216	0.000	94	155556	12.5	10.6	
2 N-Nitrosodimethylamine	74	2.399	2.399	0.001	92	253902	12.5	11.2	
3 Pyridine	79	2.440	2.440	0.000	97	905400	25.0	24.8	
4 Dimethylformamide	73	2.663	2.669	-0.006	96	297395	12.5	13.5	
5 2-Picoline	93	2.951	2.951	0.000	95	503725	12.5	13.8	
6 N-Nitrosomethylethylamine	88	3.016	3.016	0.000	96	201746	12.5	12.7	
9 Methyl methanesulfonate	80	3.246	3.251	-0.005	86	263553	12.5	13.6	
11 N-Nitrosodiethylamine	102	3.593	3.593	0.000	95	211678	12.5	13.6	
13 Ethyl methanesulfonate	109	3.845	3.845	0.000	99	227704	12.5	12.1	
15 Benzaldehyde	77	4.175	4.175	0.000	94	395751	12.5	14.2	E
17 Phenol	94	4.216	4.216	0.000	98	537365	12.5	12.0	
18 Aniline	93	4.263	4.269	-0.006	99	695216	12.5	12.8	
19 Bis(2-chloroethyl)ether	93	4.322	4.322	0.000	96	447064	12.5	12.0	
20 2-Chlorophenol	128	4.381	4.381	0.000	96	462600	12.5	12.3	
22 1,3-Dichlorobenzene	146	4.534	4.534	0.000	99	552922	12.5	12.3	a
* 23 1,4-Dichlorobenzene-d4	152	4.587	4.587	0.000	94	145961	5.00	5.00	
24 1,4-Dichlorobenzene	146	4.604	4.604	0.000	95	553954	12.5	12.2	a
26 Benzyl alcohol	108	4.704	4.704	0.000	94	298943	12.5	12.4	
27 1,2-Dichlorobenzene	146	4.751	4.751	0.000	98	544973	12.5	12.6	a
30 2-Methylphenol	108	4.804	4.804	0.000	94	428473	12.5	13.0	
32 2,2'-oxybis[1-chloropropane]	45	4.840	4.840	0.000	91	537686	12.5	12.5	
33 N-Nitrosopyrrolidine	100	4.934	4.934	0.000	94	238044	12.5	14.2	
36 4-Methylphenol	108	4.951	4.951	0.000	98	449830	12.5	12.8	
34 Acetophenone	105	4.963	4.963	0.000	98	704825	12.5	12.4	
35 N-Nitrosodi-n-propylamine	70	4.963	4.963	0.000	81	329944	12.5	12.4	
37 N-Nitrosomorpholine	56	4.975	4.975	0.000	92	269753	12.5	13.2	
38 2-Toluidine	106	4.998	4.998	0.000	96	780663	12.5	14.2	
28 Indene	115		5.045				ND	ND	
40 Hexachloroethane	117	5.081	5.081	0.000	94	220593	12.5	12.1	
42 Nitrobenzene	77	5.134	5.134	0.000	86	471382	12.5	11.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	43 N-Nitrosopiperidine	114	5.281	5.281	0.000	87	235384	12.5	13.4	
	45 Isophorone	82	5.369	5.369	0.000	99	893390	12.5	12.3	
	46 2-Nitrophenol	139	5.445	5.445	0.000	95	239604	12.5	12.0	
	48 2,4-Dimethylphenol	107	5.481	5.481	0.000	95	471508	12.5	12.0	
	49 o,o',o''-Triethylphosphorothioat	198	5.557	5.557	0.000	81	274865	12.5	12.8	
	51 Bis(2-chloroethoxy)methane	93	5.581	5.581	0.000	98	572536	12.5	12.1	
	52 2,4-Dichlorophenol	162	5.681	5.681	0.000	92	414327	12.5	12.0	a
	50 Benzoic acid	105	5.722	5.745	-0.023	31	2962	NC	NC	
	53 1,2,4-Trichlorobenzene	180	5.775	5.775	0.000	94	472894	12.5	11.6	
*	54 Naphthalene-d8	136	5.834	5.834	0.000	99	599000	5.00	5.00	
	55 Naphthalene	128	5.851	5.851	0.000	97	1497521	12.5	12.1	
	57 4-Chloroaniline	127	5.898	5.898	0.000	97	641890	12.5	12.6	
	58 2,6-Dichlorophenol	162	5.910	5.910	0.000	98	439841	12.5	12.5	a
	59 Hexachloropropene	213	5.945	5.945	0.000	89	329460	12.5	13.5	
	60 Hexachlorobutadiene	225	5.981	5.981	0.000	97	279863	12.5	11.5	
	62 Quinoline	129	6.181	6.181	0.000	98	1001230	12.5	12.8	
	63 Caprolactam	113	6.216	6.210	0.006	78	134266	12.5	12.4	
	64 N-Nitrosodi-n-butylamine	84	6.239	6.239	0.000	93	340510	12.5	13.0	
	39 p-Phenylene diamine	108	6.245	6.245	0.000	97	485766	12.5	12.6	
	66 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	95	398964	12.5	12.4	
	67 Safrole, Total	162	6.451	6.451	0.000	94	411001	12.5	13.0	
	68 2-Methylnaphthalene	142	6.539	6.539	0.000	91	987859	12.5	13.4	
	69 1-Methylnaphthalene	142	6.639	6.639	0.000	93	918907	12.5	11.9	
	71 Hexachlorocyclopentadiene	237	6.698	6.698	0.000	97	354015	12.5	12.4	
	72 1,2,4,5-Tetrachlorobenzene	216	6.704	6.704	0.000	98	490901	12.5	12.1	
	73 Isosafrole Peak 1	162	6.745	6.745	0.000	93	52496	1.50	1.48	
	74 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	91	310697	12.5	11.8	
	75 2,4,5-Trichlorophenol	196	6.851	6.845	0.006	95	349816	12.5	12.4	
	77 Isosafrole Peak 2	162	6.969	6.969	0.000	95	422748	11.0	11.2	
	78 1,1'-Biphenyl	154	7.004	7.004	0.000	93	1243600	12.5	12.0	
	79 2-Chloronaphthalene	162	7.022	7.022	0.000	96	951107	12.5	11.8	
	80 1-Chloronaphthalene	162	7.045	7.045	0.000	98	1020807	12.5	13.6	
	81 Phenyl ether	170	7.110	7.110	0.000	88	696132	12.5	11.7	
	82 2-Nitroaniline	138	7.116	7.116	0.000	88	295076	12.5	12.7	
	84 1,4-Naphthoquinone	158	7.192	7.192	0.000	93	396964	12.5	14.8	
	85 1,4-Dinitrobenzene	168	7.251	7.251	0.000	91	149809	12.5	13.6	
	86 Dimethyl phthalate	163	7.304	7.304	0.000	99	1121404	12.5	12.3	
	87 1,3-Dinitrobenzene	168	7.322	7.322	0.000	87	164135	12.5	11.8	
	88 2,6-Dinitrotoluene	165	7.357	7.357	0.000	96	233139	12.5	12.6	
	89 Acenaphthylene	152	7.434	7.433	0.001	98	1579867	12.5	13.0	
	90 3-Nitroaniline	138	7.522	7.522	0.000	97	269971	12.5	12.5	
*	91 Acenaphthene-d10	164	7.575	7.575	0.000	94	339609	5.00	5.00	
	93 Acenaphthene	153	7.604	7.604	0.000	95	1012253	12.5	12.3	
	94 2,4-Dinitrophenol	184	7.622	7.622	0.000	86	279653	25.0	22.1	
	95 4-Nitrophenol	109	7.675	7.675	0.000	90	306900	25.0	26.1	
	96 Pentachlorobenzene	250	7.739	7.739	0.000	98	452728	12.5	12.6	
	98 2,4-Dinitrotoluene	165	7.757	7.751	0.006	95	313537	12.5	12.4	
	97 Dibenzofuran	168	7.781	7.775	0.006	96	1393450	12.5	12.0	
	99 1-Naphthylamine	143	7.851	7.851	0.000	99	974172	12.5	13.2	
	101 2,3,4,6-Tetrachlorophenol	232	7.892	7.892	0.000	73	296678	12.5	12.6	
	103 2-Naphthylamine	143	7.928	7.928	0.000	97	1041814	12.5	13.3	
	104 Diethyl phthalate	149	8.004	8.004	0.000	98	1131012	12.5	12.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
106 Thionazin	107	8.081	8.080	0.001	81	166346	12.5	13.1	
105 Fluorene	166	8.116	8.116	0.000	92	1183871	12.5	12.7	
108 4-Chlorophenyl phenyl ether	204	8.116	8.116	0.000	86	576029	12.5	12.6	
107 N-Nitro-o-toluidine	152	8.116	8.116	0.000	71	338034	12.5	14.6	
109 4-Nitroaniline	138	8.122	8.122	0.000	81	304718	12.5	13.2	
110 4,6-Dinitro-2-methylphenol	198	8.157	8.157	0.000	88	390199	25.0	25.1	
111 N-Nitrosodiphenylamine	169	8.228	8.228	0.000	63	803031	10.6	11.0	
112 1,2-Diphenylhydrazine	77	8.269	8.275	-0.006	98	1099791	12.5	13.2	
114 Sulfotepp	97	8.392	8.392	0.000	85	184209	12.5	14.3	
172 1,3,5-Trinitrobenzene	213	8.469	8.469	0.000	84	104000	12.5	13.5	
115 cis-Diallate	86	8.516	8.522	-0.006	84	355828	9.38	10.6	
117 Phenacetin	108	8.528	8.522	0.006	87	520457	12.5	14.4	
116 Phorate	75	8.528	8.528	0.000	92	602913	12.5	14.2	
118 4-Bromophenyl phenyl ether	248	8.598	8.598	0.000	65	327948	12.5	12.5	
119 trans-Diallate	86	8.610	8.610	0.000	96	115937	3.13	3.64	
120 Hexachlorobenzene	284	8.657	8.657	0.000	95	387681	12.5	11.9	
121 Dimethoate	87	8.686	8.686	0.000	94	394917	12.5	15.2	
122 Atrazine	200	8.751	8.751	0.000	95	336677	12.5	14.1	
123 Pentachlorophenol	266	8.845	8.845	0.000	93	509038	25.0	25.7	
125 4-Aminobiphenyl	169	8.851	8.851	0.000	90	1299231	12.5	13.5	
124 Pentachloronitrobenzene	237	8.863	8.863	0.000	87	156924	12.5	13.7	
126 Pronamide	173	8.910	8.910	0.000	89	531603	12.5	14.6	
128 Dinoseb	211	9.028	9.027	0.001	96	263651	12.5	12.1	
* 127 Phenanthrene-d10	188	9.039	9.039	0.000	96	628612	5.00	5.00	
70 Disulfoton	88	9.039	9.039	0.000	94	570720	12.5	12.9	M
129 Phenanthrene	178	9.063	9.063	0.000	96	1657301	12.5	12.5	
130 Anthracene	178	9.116	9.116	0.000	97	1708682	12.5	13.1	
131 Carbazole	167	9.269	9.269	0.000	96	1553575	12.5	13.1	
132 Methyl parathion	109	9.404	9.404	0.000	92	346470	12.5	15.2	
133 Di-n-butyl phthalate	149	9.616	9.616	0.000	100	1847320	12.5	14.1	
S 65 Diallate	86				0		12.5	14.2	
134 Ethyl Parathion	109	9.792	9.792	0.000	86	202953	12.5	14.8	
135 4-Nitroquinoline-1-oxide	190	9.816	9.816	0.000	79	106934	12.5	10.7	
136 Octachlorostyrene	308	10.045	10.045	0.000	93	153254	12.5	12.0	
174 Aramite Peak 1	185		10.057				ND	ND	
137 Isodrin	193	10.092	10.092	0.000	93	189342	12.5	12.7	
170 Aramite Peak 3	185		10.128				ND	ND	
175 Aramite Peak 2	185		10.128				ND	ND	
168 Aramite Peak 4	185		10.204				ND	ND	
138 Fluoranthene	202	10.233	10.233	0.000	97	1747310	12.5	12.8	
139 Benzidine	184	10.363	10.369	-0.006	99	1574754	12.5	16.9	
* 140 Pyrene-d10 (IS)	212	10.451	10.451	0.000	98	614632	5.00	5.00	
141 Pyrene	202	10.469	10.469	0.000	97	1838839	12.5	12.1	
143 p-Dimethylamino azobenzene	225	10.786	10.786	0.000	93	336939	12.5	13.9	
144 Chlorobenzilate	139	10.839	10.839	0.000	87	541589	12.5	14.7	
100 Famphur	218	11.121	11.121	0.000	83	518793	12.5	16.6	
145 3,3'-Dimethylbenzidine	212	11.169	11.169	0.000	99	972182	12.5	14.0	
146 Butyl benzyl phthalate	149	11.192	11.192	0.000	96	768607	12.5	13.3	
147 2-Acetylaminofluorene	181	11.474	11.469	0.006	93	524234	12.5	11.9	
S 92 Aramite, Total	185		11.583				12.5	ND	7
149 3,3'-Dichlorobenzidine	252	11.851	11.851	0.000	75	913484	12.5	15.7	
150 4,4'-Methylene bis(2-chloroanil	231	11.857	11.857	0.000	94	330079	12.5	13.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
148 Benzo[a]anthracene	228	11.886	11.886	0.000	98	1665505	12.5	12.8	
151 Chrysene	228	11.933	11.933	0.000	96	1627703	12.5	12.4	
152 Bis(2-ethylhexyl) phthalate	149	11.945	11.945	0.000	95	1073289	12.5	12.6	
153 6-Methylchrysene	242	12.557	12.563	-0.006	98	1066705	12.5	12.6	
154 Di-n-octyl phthalate	149	12.880	12.880	0.000	98	1506577	12.5	12.2	
156 7,12-Dimethylbenz(a)anthracene	256	13.404	13.404	0.000	89	698790	12.5	14.2	
155 Benzo[b]fluoranthene	252	13.410	13.410	0.000	97	1526503	12.5	13.3	
157 Benzo[k]fluoranthene	252	13.451	13.451	0.000	99	1584640	12.5	13.1	
158 Benzo[a]pyrene	252	13.886	13.892	-0.006	77	1337822	12.5	12.9	
* 159 Perylene-d12	264	13.968	13.974	-0.006	99	483698	5.00	5.00	
160 3-Methylcholanthrene	268	14.427	14.427	0.000	91	647945	12.5	12.6	
161 Dibenz[a,h]acridine	279	15.345	15.345	0.000	90	1019400	12.5	14.1	a
162 Dibenz[a,j]acridine	279	15.433	15.433	-0.006	96	1081455	12.5	12.8	a
163 Indeno[1,2,3-cd]pyrene	276	15.762	15.762	0.000	99	1094954	12.5	11.5	
164 Dibenz(a,h)anthracene	278	15.809	15.809	0.000	91	1213278	12.5	12.2	
165 Benzo[g,h,i]perylene	276	16.280	16.280	0.000	98	1169646	12.5	12.0	
S 166 Isosafrole	162				0		12.5	12.7	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND
- E - Exceeded Maximum Amount
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

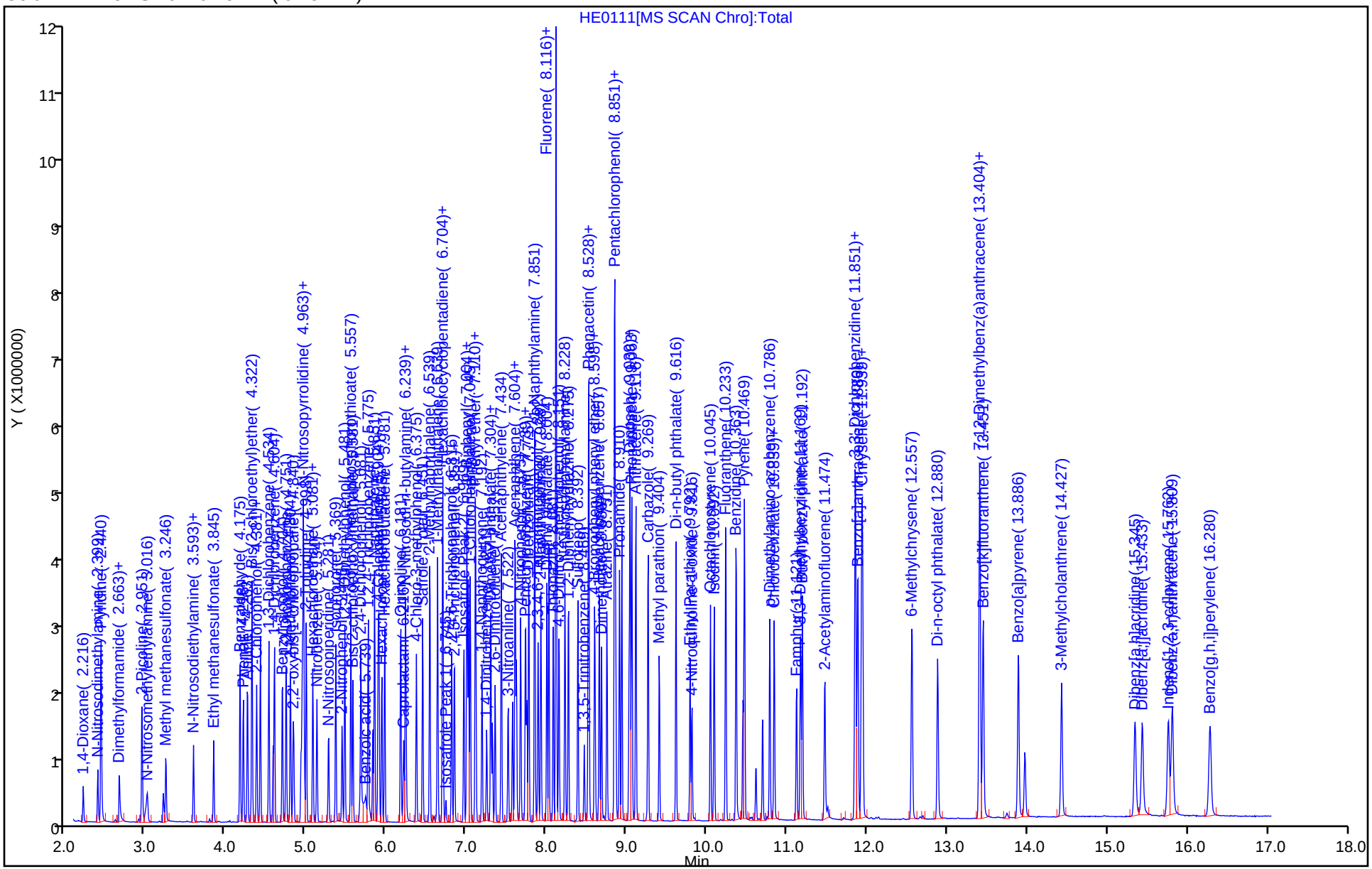
Report Date: 01-May-2025 20:24:13 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D

Injection Date:	01-May-2025 13:28:30	Instrument ID:	HP18831	Operator ID:	CJS101602
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-638082/12 Calibration Date: 05/01/2025 13:28

Instrument ID: HP18831 Calib Start Date: 04/10/2025 19:41

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/10/2025 21:55

Lab File ID: HE0111.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Lin		0.0020			12.5		30.0
Indene	Ave	2.364				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 01-May-2025 13:28:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0145811-012
Operator ID: CJS101602 Instrument ID: HP18831
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-May-2025 20:23:37 Calib Date: 01-May-2025 12:22:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

First Level Reviewer: WH7Z Date: 01-May-2025 19:34:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.216	2.216	0.000	94	155556	12.5	10.6	
2 N-Nitrosodimethylamine	74	2.399	2.399	0.001	92	253902	12.5	11.2	
3 Pyridine	79	2.440	2.440	0.000	97	905400	25.0	24.8	
4 Dimethylformamide	73	2.663	2.669	-0.006	96	297395	12.5	13.5	
5 2-Picoline	93	2.951	2.951	0.000	95	503725	12.5	13.8	
6 N-Nitrosomethylethylamine	88	3.016	3.016	0.000	96	201746	12.5	12.7	
9 Methyl methanesulfonate	80	3.246	3.251	-0.005	86	263553	12.5	13.6	
11 N-Nitrosodiethylamine	102	3.593	3.593	0.000	95	211678	12.5	13.6	
13 Ethyl methanesulfonate	109	3.845	3.845	0.000	99	227704	12.5	12.1	
15 Benzaldehyde	77	4.175	4.175	0.000	94	395751	12.5	14.2	E
17 Phenol	94	4.216	4.216	0.000	98	537365	12.5	12.0	
18 Aniline	93	4.263	4.269	-0.006	99	695216	12.5	12.8	
19 Bis(2-chloroethyl)ether	93	4.322	4.322	0.000	96	447064	12.5	12.0	
20 2-Chlorophenol	128	4.381	4.381	0.000	96	462600	12.5	12.3	
22 1,3-Dichlorobenzene	146	4.534	4.534	0.000	99	552922	12.5	12.3	a
* 23 1,4-Dichlorobenzene-d4	152	4.587	4.587	0.000	94	145961	5.00	5.00	
24 1,4-Dichlorobenzene	146	4.604	4.604	0.000	95	553954	12.5	12.2	a
26 Benzyl alcohol	108	4.704	4.704	0.000	94	298943	12.5	12.4	
27 1,2-Dichlorobenzene	146	4.751	4.751	0.000	98	544973	12.5	12.6	a
30 2-Methylphenol	108	4.804	4.804	0.000	94	428473	12.5	13.0	
32 2,2'-oxybis[1-chloropropane]	45	4.840	4.840	0.000	91	537686	12.5	12.5	
33 N-Nitrosopyrrolidine	100	4.934	4.934	0.000	94	238044	12.5	14.2	
36 4-Methylphenol	108	4.951	4.951	0.000	98	449830	12.5	12.8	
34 Acetophenone	105	4.963	4.963	0.000	98	704825	12.5	12.4	
35 N-Nitrosodi-n-propylamine	70	4.963	4.963	0.000	81	329944	12.5	12.4	
37 N-Nitrosomorpholine	56	4.975	4.975	0.000	92	269753	12.5	13.2	
38 2-Toluidine	106	4.998	4.998	0.000	96	780663	12.5	14.2	
28 Indene	115		5.045				ND	ND	
40 Hexachloroethane	117	5.081	5.081	0.000	94	220593	12.5	12.1	
42 Nitrobenzene	77	5.134	5.134	0.000	86	471382	12.5	11.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	43 N-Nitrosopiperidine	114	5.281	5.281	0.000	87	235384	12.5	13.4	
	45 Isophorone	82	5.369	5.369	0.000	99	893390	12.5	12.3	
	46 2-Nitrophenol	139	5.445	5.445	0.000	95	239604	12.5	12.0	
	48 2,4-Dimethylphenol	107	5.481	5.481	0.000	95	471508	12.5	12.0	
	49 o,o',o''-Triethylphosphorothioat	198	5.557	5.557	0.000	81	274865	12.5	12.8	
	51 Bis(2-chloroethoxy)methane	93	5.581	5.581	0.000	98	572536	12.5	12.1	
	52 2,4-Dichlorophenol	162	5.681	5.681	0.000	92	414327	12.5	12.0	a
	50 Benzoic acid	105	5.722	5.745	-0.023	31	2962	NC	NC	
	53 1,2,4-Trichlorobenzene	180	5.775	5.775	0.000	94	472894	12.5	11.6	
*	54 Naphthalene-d8	136	5.834	5.834	0.000	99	599000	5.00	5.00	
	55 Naphthalene	128	5.851	5.851	0.000	97	1497521	12.5	12.1	
	57 4-Chloroaniline	127	5.898	5.898	0.000	97	641890	12.5	12.6	
	58 2,6-Dichlorophenol	162	5.910	5.910	0.000	98	439841	12.5	12.5	a
	59 Hexachloropropene	213	5.945	5.945	0.000	89	329460	12.5	13.5	
	60 Hexachlorobutadiene	225	5.981	5.981	0.000	97	279863	12.5	11.5	
	62 Quinoline	129	6.181	6.181	0.000	98	1001230	12.5	12.8	
	63 Caprolactam	113	6.216	6.210	0.006	78	134266	12.5	12.4	
	64 N-Nitrosodi-n-butylamine	84	6.239	6.239	0.000	93	340510	12.5	13.0	
	39 p-Phenylene diamine	108	6.245	6.245	0.000	97	485766	12.5	12.6	
	66 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	95	398964	12.5	12.4	
	67 Safrole, Total	162	6.451	6.451	0.000	94	411001	12.5	13.0	
	68 2-Methylnaphthalene	142	6.539	6.539	0.000	91	987859	12.5	13.4	
	69 1-Methylnaphthalene	142	6.639	6.639	0.000	93	918907	12.5	11.9	
	71 Hexachlorocyclopentadiene	237	6.698	6.698	0.000	97	354015	12.5	12.4	
	72 1,2,4,5-Tetrachlorobenzene	216	6.704	6.704	0.000	98	490901	12.5	12.1	
	73 Isosafrole Peak 1	162	6.745	6.745	0.000	93	52496	1.50	1.48	
	74 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	91	310697	12.5	11.8	
	75 2,4,5-Trichlorophenol	196	6.851	6.845	0.006	95	349816	12.5	12.4	
	77 Isosafrole Peak 2	162	6.969	6.969	0.000	95	422748	11.0	11.2	
	78 1,1'-Biphenyl	154	7.004	7.004	0.000	93	1243600	12.5	12.0	
	79 2-Chloronaphthalene	162	7.022	7.022	0.000	96	951107	12.5	11.8	
	80 1-Chloronaphthalene	162	7.045	7.045	0.000	98	1020807	12.5	13.6	
	81 Phenyl ether	170	7.110	7.110	0.000	88	696132	12.5	11.7	
	82 2-Nitroaniline	138	7.116	7.116	0.000	88	295076	12.5	12.7	
	84 1,4-Naphthoquinone	158	7.192	7.192	0.000	93	396964	12.5	14.8	
	85 1,4-Dinitrobenzene	168	7.251	7.251	0.000	91	149809	12.5	13.6	
	86 Dimethyl phthalate	163	7.304	7.304	0.000	99	1121404	12.5	12.3	
	87 1,3-Dinitrobenzene	168	7.322	7.322	0.000	87	164135	12.5	11.8	
	88 2,6-Dinitrotoluene	165	7.357	7.357	0.000	96	233139	12.5	12.6	
	89 Acenaphthylene	152	7.434	7.433	0.001	98	1579867	12.5	13.0	
	90 3-Nitroaniline	138	7.522	7.522	0.000	97	269971	12.5	12.5	
*	91 Acenaphthene-d10	164	7.575	7.575	0.000	94	339609	5.00	5.00	
	93 Acenaphthene	153	7.604	7.604	0.000	95	1012253	12.5	12.3	
	94 2,4-Dinitrophenol	184	7.622	7.622	0.000	86	279653	25.0	22.1	
	95 4-Nitrophenol	109	7.675	7.675	0.000	90	306900	25.0	26.1	
	96 Pentachlorobenzene	250	7.739	7.739	0.000	98	452728	12.5	12.6	
	98 2,4-Dinitrotoluene	165	7.757	7.751	0.006	95	313537	12.5	12.4	
	97 Dibenzofuran	168	7.781	7.775	0.006	96	1393450	12.5	12.0	
	99 1-Naphthylamine	143	7.851	7.851	0.000	99	974172	12.5	13.2	
	101 2,3,4,6-Tetrachlorophenol	232	7.892	7.892	0.000	73	296678	12.5	12.6	
	103 2-Naphthylamine	143	7.928	7.928	0.000	97	1041814	12.5	13.3	
	104 Diethyl phthalate	149	8.004	8.004	0.000	98	1131012	12.5	12.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
106 Thionazin	107	8.081	8.080	0.001	81	166346	12.5	13.1	
105 Fluorene	166	8.116	8.116	0.000	92	1183871	12.5	12.7	
108 4-Chlorophenyl phenyl ether	204	8.116	8.116	0.000	86	576029	12.5	12.6	
107 N-Nitro-o-toluidine	152	8.116	8.116	0.000	71	338034	12.5	14.6	
109 4-Nitroaniline	138	8.122	8.122	0.000	81	304718	12.5	13.2	
110 4,6-Dinitro-2-methylphenol	198	8.157	8.157	0.000	88	390199	25.0	25.1	
111 N-Nitrosodiphenylamine	169	8.228	8.228	0.000	63	803031	10.6	11.0	
112 1,2-Diphenylhydrazine	77	8.269	8.275	-0.006	98	1099791	12.5	13.2	
114 Sulfotepp	97	8.392	8.392	0.000	85	184209	12.5	14.3	
172 1,3,5-Trinitrobenzene	213	8.469	8.469	0.000	84	104000	12.5	13.5	
115 cis-Diallate	86	8.516	8.522	-0.006	84	355828	9.38	10.6	
117 Phenacetin	108	8.528	8.522	0.006	87	520457	12.5	14.4	
116 Phorate	75	8.528	8.528	0.000	92	602913	12.5	14.2	
118 4-Bromophenyl phenyl ether	248	8.598	8.598	0.000	65	327948	12.5	12.5	
119 trans-Diallate	86	8.610	8.610	0.000	96	115937	3.13	3.64	
120 Hexachlorobenzene	284	8.657	8.657	0.000	95	387681	12.5	11.9	
121 Dimethoate	87	8.686	8.686	0.000	94	394917	12.5	15.2	
122 Atrazine	200	8.751	8.751	0.000	95	336677	12.5	14.1	
123 Pentachlorophenol	266	8.845	8.845	0.000	93	509038	25.0	25.7	
125 4-Aminobiphenyl	169	8.851	8.851	0.000	90	1299231	12.5	13.5	
124 Pentachloronitrobenzene	237	8.863	8.863	0.000	87	156924	12.5	13.7	
126 Pronamide	173	8.910	8.910	0.000	89	531603	12.5	14.6	
128 Dinoseb	211	9.028	9.027	0.001	96	263651	12.5	12.1	
* 127 Phenanthrene-d10	188	9.039	9.039	0.000	96	628612	5.00	5.00	
70 Disulfoton	88	9.039	9.039	0.000	94	570720	12.5	12.9	M
129 Phenanthrene	178	9.063	9.063	0.000	96	1657301	12.5	12.5	
130 Anthracene	178	9.116	9.116	0.000	97	1708682	12.5	13.1	
131 Carbazole	167	9.269	9.269	0.000	96	1553575	12.5	13.1	
132 Methyl parathion	109	9.404	9.404	0.000	92	346470	12.5	15.2	
133 Di-n-butyl phthalate	149	9.616	9.616	0.000	100	1847320	12.5	14.1	
S 65 Diallate	86				0		12.5	14.2	
134 Ethyl Parathion	109	9.792	9.792	0.000	86	202953	12.5	14.8	
135 4-Nitroquinoline-1-oxide	190	9.816	9.816	0.000	79	106934	12.5	10.7	
136 Octachlorostyrene	308	10.045	10.045	0.000	93	153254	12.5	12.0	
174 Aramite Peak 1	185		10.057				ND	ND	
137 Isodrin	193	10.092	10.092	0.000	93	189342	12.5	12.7	
170 Aramite Peak 3	185		10.128				ND	ND	
175 Aramite Peak 2	185		10.128				ND	ND	
168 Aramite Peak 4	185		10.204				ND	ND	
138 Fluoranthene	202	10.233	10.233	0.000	97	1747310	12.5	12.8	
139 Benzidine	184	10.363	10.369	-0.006	99	1574754	12.5	16.9	
* 140 Pyrene-d10 (IS)	212	10.451	10.451	0.000	98	614632	5.00	5.00	
141 Pyrene	202	10.469	10.469	0.000	97	1838839	12.5	12.1	
143 p-Dimethylamino azobenzene	225	10.786	10.786	0.000	93	336939	12.5	13.9	
144 Chlorobenzilate	139	10.839	10.839	0.000	87	541589	12.5	14.7	
100 Famphur	218	11.121	11.121	0.000	83	518793	12.5	16.6	
145 3,3'-Dimethylbenzidine	212	11.169	11.169	0.000	99	972182	12.5	14.0	
146 Butyl benzyl phthalate	149	11.192	11.192	0.000	96	768607	12.5	13.3	
147 2-Acetylaminofluorene	181	11.474	11.469	0.006	93	524234	12.5	11.9	
S 92 Aramite, Total	185		11.583				12.5	ND	7
149 3,3'-Dichlorobenzidine	252	11.851	11.851	0.000	75	913484	12.5	15.7	
150 4,4'-Methylene bis(2-chloroanil	231	11.857	11.857	0.000	94	330079	12.5	13.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
148 Benzo[a]anthracene	228	11.886	11.886	0.000	98	1665505	12.5	12.8	
151 Chrysene	228	11.933	11.933	0.000	96	1627703	12.5	12.4	
152 Bis(2-ethylhexyl) phthalate	149	11.945	11.945	0.000	95	1073289	12.5	12.6	
153 6-Methylchrysene	242	12.557	12.563	-0.006	98	1066705	12.5	12.6	
154 Di-n-octyl phthalate	149	12.880	12.880	0.000	98	1506577	12.5	12.2	
156 7,12-Dimethylbenz(a)anthracene	256	13.404	13.404	0.000	89	698790	12.5	14.2	
155 Benzo[b]fluoranthene	252	13.410	13.410	0.000	97	1526503	12.5	13.3	
157 Benzo[k]fluoranthene	252	13.451	13.451	0.000	99	1584640	12.5	13.1	
158 Benzo[a]pyrene	252	13.886	13.892	-0.006	77	1337822	12.5	12.9	
* 159 Perylene-d12	264	13.968	13.974	-0.006	99	483698	5.00	5.00	
160 3-Methylcholanthrene	268	14.427	14.427	0.000	91	647945	12.5	12.6	
161 Dibenz[a,h]acridine	279	15.345	15.345	0.000	90	1019400	12.5	14.1	a
162 Dibenz[a,j]acridine	279	15.433	15.433	-0.006	96	1081455	12.5	12.8	a
163 Indeno[1,2,3-cd]pyrene	276	15.762	15.762	0.000	99	1094954	12.5	11.5	
164 Dibenz(a,h)anthracene	278	15.809	15.809	0.000	91	1213278	12.5	12.2	
165 Benzo[g,h,i]perylene	276	16.280	16.280	0.000	98	1169646	12.5	12.0	
S 166 Isosafrole	162				0		12.5	12.7	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND
- E - Exceeded Maximum Amount
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

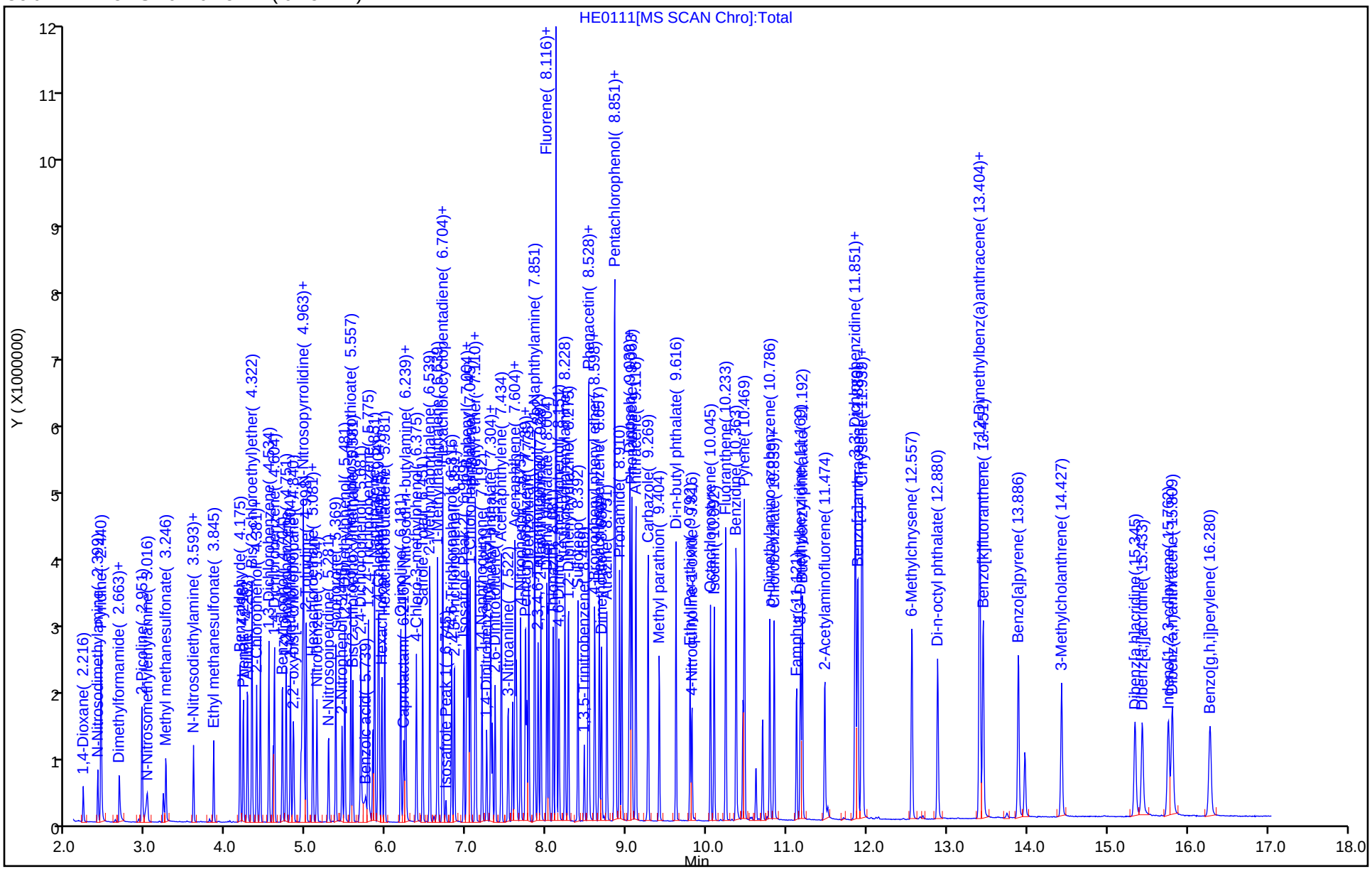
Report Date: 01-May-2025 20:24:13 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D

Injection Date:	01-May-2025 13:28:30	Instrument ID:	HP18831	Operator ID:	CJS101602
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-638082/12 Calibration Date: 05/01/2025 13:28

Instrument ID: HP18831 Calib Start Date: 04/10/2025 22:40

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/11/2025 00:32

Lab File ID: HE0111.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Famphur	Lin1		0.3376		16.6	12.5	32.9*	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 01-May-2025 13:28:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0145811-012
Operator ID: CJS101602 Instrument ID: HP18831
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-May-2025 20:23:37 Calib Date: 01-May-2025 12:22:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

First Level Reviewer: WH7Z Date: 01-May-2025 19:34:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.216	2.216	0.000	94	155556	12.5	10.6	
2 N-Nitrosodimethylamine	74	2.399	2.399	0.001	92	253902	12.5	11.2	
3 Pyridine	79	2.440	2.440	0.000	97	905400	25.0	24.8	
4 Dimethylformamide	73	2.663	2.669	-0.006	96	297395	12.5	13.5	
5 2-Picoline	93	2.951	2.951	0.000	95	503725	12.5	13.8	
6 N-Nitrosomethylethylamine	88	3.016	3.016	0.000	96	201746	12.5	12.7	
9 Methyl methanesulfonate	80	3.246	3.251	-0.005	86	263553	12.5	13.6	
11 N-Nitrosodiethylamine	102	3.593	3.593	0.000	95	211678	12.5	13.6	
13 Ethyl methanesulfonate	109	3.845	3.845	0.000	99	227704	12.5	12.1	
15 Benzaldehyde	77	4.175	4.175	0.000	94	395751	12.5	14.2	E
17 Phenol	94	4.216	4.216	0.000	98	537365	12.5	12.0	
18 Aniline	93	4.263	4.269	-0.006	99	695216	12.5	12.8	
19 Bis(2-chloroethyl)ether	93	4.322	4.322	0.000	96	447064	12.5	12.0	
20 2-Chlorophenol	128	4.381	4.381	0.000	96	462600	12.5	12.3	
22 1,3-Dichlorobenzene	146	4.534	4.534	0.000	99	552922	12.5	12.3	a
* 23 1,4-Dichlorobenzene-d4	152	4.587	4.587	0.000	94	145961	5.00	5.00	
24 1,4-Dichlorobenzene	146	4.604	4.604	0.000	95	553954	12.5	12.2	a
26 Benzyl alcohol	108	4.704	4.704	0.000	94	298943	12.5	12.4	
27 1,2-Dichlorobenzene	146	4.751	4.751	0.000	98	544973	12.5	12.6	a
30 2-Methylphenol	108	4.804	4.804	0.000	94	428473	12.5	13.0	
32 2,2'-oxybis[1-chloropropane]	45	4.840	4.840	0.000	91	537686	12.5	12.5	
33 N-Nitrosopyrrolidine	100	4.934	4.934	0.000	94	238044	12.5	14.2	
36 4-Methylphenol	108	4.951	4.951	0.000	98	449830	12.5	12.8	
34 Acetophenone	105	4.963	4.963	0.000	98	704825	12.5	12.4	
35 N-Nitrosodi-n-propylamine	70	4.963	4.963	0.000	81	329944	12.5	12.4	
37 N-Nitrosomorpholine	56	4.975	4.975	0.000	92	269753	12.5	13.2	
38 2-Toluidine	106	4.998	4.998	0.000	96	780663	12.5	14.2	
28 Indene	115		5.045				ND	ND	
40 Hexachloroethane	117	5.081	5.081	0.000	94	220593	12.5	12.1	
42 Nitrobenzene	77	5.134	5.134	0.000	86	471382	12.5	11.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	43 N-Nitrosopiperidine	114	5.281	5.281	0.000	87	235384	12.5	13.4	
	45 Isophorone	82	5.369	5.369	0.000	99	893390	12.5	12.3	
	46 2-Nitrophenol	139	5.445	5.445	0.000	95	239604	12.5	12.0	
	48 2,4-Dimethylphenol	107	5.481	5.481	0.000	95	471508	12.5	12.0	
	49 o,o',o''-Triethylphosphorothioat	198	5.557	5.557	0.000	81	274865	12.5	12.8	
	51 Bis(2-chloroethoxy)methane	93	5.581	5.581	0.000	98	572536	12.5	12.1	
	52 2,4-Dichlorophenol	162	5.681	5.681	0.000	92	414327	12.5	12.0	a
	50 Benzoic acid	105	5.722	5.745	-0.023	31	2962	NC	NC	
	53 1,2,4-Trichlorobenzene	180	5.775	5.775	0.000	94	472894	12.5	11.6	
*	54 Naphthalene-d8	136	5.834	5.834	0.000	99	599000	5.00	5.00	
	55 Naphthalene	128	5.851	5.851	0.000	97	1497521	12.5	12.1	
	57 4-Chloroaniline	127	5.898	5.898	0.000	97	641890	12.5	12.6	
	58 2,6-Dichlorophenol	162	5.910	5.910	0.000	98	439841	12.5	12.5	a
	59 Hexachloropropene	213	5.945	5.945	0.000	89	329460	12.5	13.5	
	60 Hexachlorobutadiene	225	5.981	5.981	0.000	97	279863	12.5	11.5	
	62 Quinoline	129	6.181	6.181	0.000	98	1001230	12.5	12.8	
	63 Caprolactam	113	6.216	6.210	0.006	78	134266	12.5	12.4	
	64 N-Nitrosodi-n-butylamine	84	6.239	6.239	0.000	93	340510	12.5	13.0	
	39 p-Phenylene diamine	108	6.245	6.245	0.000	97	485766	12.5	12.6	
	66 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	95	398964	12.5	12.4	
	67 Safrole, Total	162	6.451	6.451	0.000	94	411001	12.5	13.0	
	68 2-Methylnaphthalene	142	6.539	6.539	0.000	91	987859	12.5	13.4	
	69 1-Methylnaphthalene	142	6.639	6.639	0.000	93	918907	12.5	11.9	
	71 Hexachlorocyclopentadiene	237	6.698	6.698	0.000	97	354015	12.5	12.4	
	72 1,2,4,5-Tetrachlorobenzene	216	6.704	6.704	0.000	98	490901	12.5	12.1	
	73 Isosafrole Peak 1	162	6.745	6.745	0.000	93	52496	1.50	1.48	
	74 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	91	310697	12.5	11.8	
	75 2,4,5-Trichlorophenol	196	6.851	6.845	0.006	95	349816	12.5	12.4	
	77 Isosafrole Peak 2	162	6.969	6.969	0.000	95	422748	11.0	11.2	
	78 1,1'-Biphenyl	154	7.004	7.004	0.000	93	1243600	12.5	12.0	
	79 2-Chloronaphthalene	162	7.022	7.022	0.000	96	951107	12.5	11.8	
	80 1-Chloronaphthalene	162	7.045	7.045	0.000	98	1020807	12.5	13.6	
	81 Phenyl ether	170	7.110	7.110	0.000	88	696132	12.5	11.7	
	82 2-Nitroaniline	138	7.116	7.116	0.000	88	295076	12.5	12.7	
	84 1,4-Naphthoquinone	158	7.192	7.192	0.000	93	396964	12.5	14.8	
	85 1,4-Dinitrobenzene	168	7.251	7.251	0.000	91	149809	12.5	13.6	
	86 Dimethyl phthalate	163	7.304	7.304	0.000	99	1121404	12.5	12.3	
	87 1,3-Dinitrobenzene	168	7.322	7.322	0.000	87	164135	12.5	11.8	
	88 2,6-Dinitrotoluene	165	7.357	7.357	0.000	96	233139	12.5	12.6	
	89 Acenaphthylene	152	7.434	7.433	0.001	98	1579867	12.5	13.0	
	90 3-Nitroaniline	138	7.522	7.522	0.000	97	269971	12.5	12.5	
*	91 Acenaphthene-d10	164	7.575	7.575	0.000	94	339609	5.00	5.00	
	93 Acenaphthene	153	7.604	7.604	0.000	95	1012253	12.5	12.3	
	94 2,4-Dinitrophenol	184	7.622	7.622	0.000	86	279653	25.0	22.1	
	95 4-Nitrophenol	109	7.675	7.675	0.000	90	306900	25.0	26.1	
	96 Pentachlorobenzene	250	7.739	7.739	0.000	98	452728	12.5	12.6	
	98 2,4-Dinitrotoluene	165	7.757	7.751	0.006	95	313537	12.5	12.4	
	97 Dibenzofuran	168	7.781	7.775	0.006	96	1393450	12.5	12.0	
	99 1-Naphthylamine	143	7.851	7.851	0.000	99	974172	12.5	13.2	
	101 2,3,4,6-Tetrachlorophenol	232	7.892	7.892	0.000	73	296678	12.5	12.6	
	103 2-Naphthylamine	143	7.928	7.928	0.000	97	1041814	12.5	13.3	
	104 Diethyl phthalate	149	8.004	8.004	0.000	98	1131012	12.5	12.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
106 Thionazin	107	8.081	8.080	0.001	81	166346	12.5	13.1	
105 Fluorene	166	8.116	8.116	0.000	92	1183871	12.5	12.7	
108 4-Chlorophenyl phenyl ether	204	8.116	8.116	0.000	86	576029	12.5	12.6	
107 N-Nitro-o-toluidine	152	8.116	8.116	0.000	71	338034	12.5	14.6	
109 4-Nitroaniline	138	8.122	8.122	0.000	81	304718	12.5	13.2	
110 4,6-Dinitro-2-methylphenol	198	8.157	8.157	0.000	88	390199	25.0	25.1	
111 N-Nitrosodiphenylamine	169	8.228	8.228	0.000	63	803031	10.6	11.0	
112 1,2-Diphenylhydrazine	77	8.269	8.275	-0.006	98	1099791	12.5	13.2	
114 Sulfotepp	97	8.392	8.392	0.000	85	184209	12.5	14.3	
172 1,3,5-Trinitrobenzene	213	8.469	8.469	0.000	84	104000	12.5	13.5	
115 cis-Diallate	86	8.516	8.522	-0.006	84	355828	9.38	10.6	
117 Phenacetin	108	8.528	8.522	0.006	87	520457	12.5	14.4	
116 Phorate	75	8.528	8.528	0.000	92	602913	12.5	14.2	
118 4-Bromophenyl phenyl ether	248	8.598	8.598	0.000	65	327948	12.5	12.5	
119 trans-Diallate	86	8.610	8.610	0.000	96	115937	3.13	3.64	
120 Hexachlorobenzene	284	8.657	8.657	0.000	95	387681	12.5	11.9	
121 Dimethoate	87	8.686	8.686	0.000	94	394917	12.5	15.2	
122 Atrazine	200	8.751	8.751	0.000	95	336677	12.5	14.1	
123 Pentachlorophenol	266	8.845	8.845	0.000	93	509038	25.0	25.7	
125 4-Aminobiphenyl	169	8.851	8.851	0.000	90	1299231	12.5	13.5	
124 Pentachloronitrobenzene	237	8.863	8.863	0.000	87	156924	12.5	13.7	
126 Pronamide	173	8.910	8.910	0.000	89	531603	12.5	14.6	
128 Dinoseb	211	9.028	9.027	0.001	96	263651	12.5	12.1	
* 127 Phenanthrene-d10	188	9.039	9.039	0.000	96	628612	5.00	5.00	
70 Disulfoton	88	9.039	9.039	0.000	94	570720	12.5	12.9	M
129 Phenanthrene	178	9.063	9.063	0.000	96	1657301	12.5	12.5	
130 Anthracene	178	9.116	9.116	0.000	97	1708682	12.5	13.1	
131 Carbazole	167	9.269	9.269	0.000	96	1553575	12.5	13.1	
132 Methyl parathion	109	9.404	9.404	0.000	92	346470	12.5	15.2	
133 Di-n-butyl phthalate	149	9.616	9.616	0.000	100	1847320	12.5	14.1	
S 65 Diallate	86				0		12.5	14.2	
134 Ethyl Parathion	109	9.792	9.792	0.000	86	202953	12.5	14.8	
135 4-Nitroquinoline-1-oxide	190	9.816	9.816	0.000	79	106934	12.5	10.7	
136 Octachlorostyrene	308	10.045	10.045	0.000	93	153254	12.5	12.0	
174 Aramite Peak 1	185		10.057				ND	ND	
137 Isodrin	193	10.092	10.092	0.000	93	189342	12.5	12.7	
170 Aramite Peak 3	185		10.128				ND	ND	
175 Aramite Peak 2	185		10.128				ND	ND	
168 Aramite Peak 4	185		10.204				ND	ND	
138 Fluoranthene	202	10.233	10.233	0.000	97	1747310	12.5	12.8	
139 Benzidine	184	10.363	10.369	-0.006	99	1574754	12.5	16.9	
* 140 Pyrene-d10 (IS)	212	10.451	10.451	0.000	98	614632	5.00	5.00	
141 Pyrene	202	10.469	10.469	0.000	97	1838839	12.5	12.1	
143 p-Dimethylamino azobenzene	225	10.786	10.786	0.000	93	336939	12.5	13.9	
144 Chlorobenzilate	139	10.839	10.839	0.000	87	541589	12.5	14.7	
100 Famphur	218	11.121	11.121	0.000	83	518793	12.5	16.6	
145 3,3'-Dimethylbenzidine	212	11.169	11.169	0.000	99	972182	12.5	14.0	
146 Butyl benzyl phthalate	149	11.192	11.192	0.000	96	768607	12.5	13.3	
147 2-Acetylaminofluorene	181	11.474	11.469	0.006	93	524234	12.5	11.9	
S 92 Aramite, Total	185		11.583				12.5	ND	7
149 3,3'-Dichlorobenzidine	252	11.851	11.851	0.000	75	913484	12.5	15.7	
150 4,4'-Methylene bis(2-chloroanil	231	11.857	11.857	0.000	94	330079	12.5	13.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
148 Benzo[a]anthracene	228	11.886	11.886	0.000	98	1665505	12.5	12.8	
151 Chrysene	228	11.933	11.933	0.000	96	1627703	12.5	12.4	
152 Bis(2-ethylhexyl) phthalate	149	11.945	11.945	0.000	95	1073289	12.5	12.6	
153 6-Methylchrysene	242	12.557	12.563	-0.006	98	1066705	12.5	12.6	
154 Di-n-octyl phthalate	149	12.880	12.880	0.000	98	1506577	12.5	12.2	
156 7,12-Dimethylbenz(a)anthracene	256	13.404	13.404	0.000	89	698790	12.5	14.2	
155 Benzo[b]fluoranthene	252	13.410	13.410	0.000	97	1526503	12.5	13.3	
157 Benzo[k]fluoranthene	252	13.451	13.451	0.000	99	1584640	12.5	13.1	
158 Benzo[a]pyrene	252	13.886	13.892	-0.006	77	1337822	12.5	12.9	
* 159 Perylene-d12	264	13.968	13.974	-0.006	99	483698	5.00	5.00	
160 3-Methylcholanthrene	268	14.427	14.427	0.000	91	647945	12.5	12.6	
161 Dibenz[a,h]acridine	279	15.345	15.345	0.000	90	1019400	12.5	14.1	a
162 Dibenz[a,j]acridine	279	15.433	15.433	-0.006	96	1081455	12.5	12.8	a
163 Indeno[1,2,3-cd]pyrene	276	15.762	15.762	0.000	99	1094954	12.5	11.5	
164 Dibenz(a,h)anthracene	278	15.809	15.809	0.000	91	1213278	12.5	12.2	
165 Benzo[g,h,i]perylene	276	16.280	16.280	0.000	98	1169646	12.5	12.0	
S 166 Isosafrole	162				0		12.5	12.7	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND
- E - Exceeded Maximum Amount
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

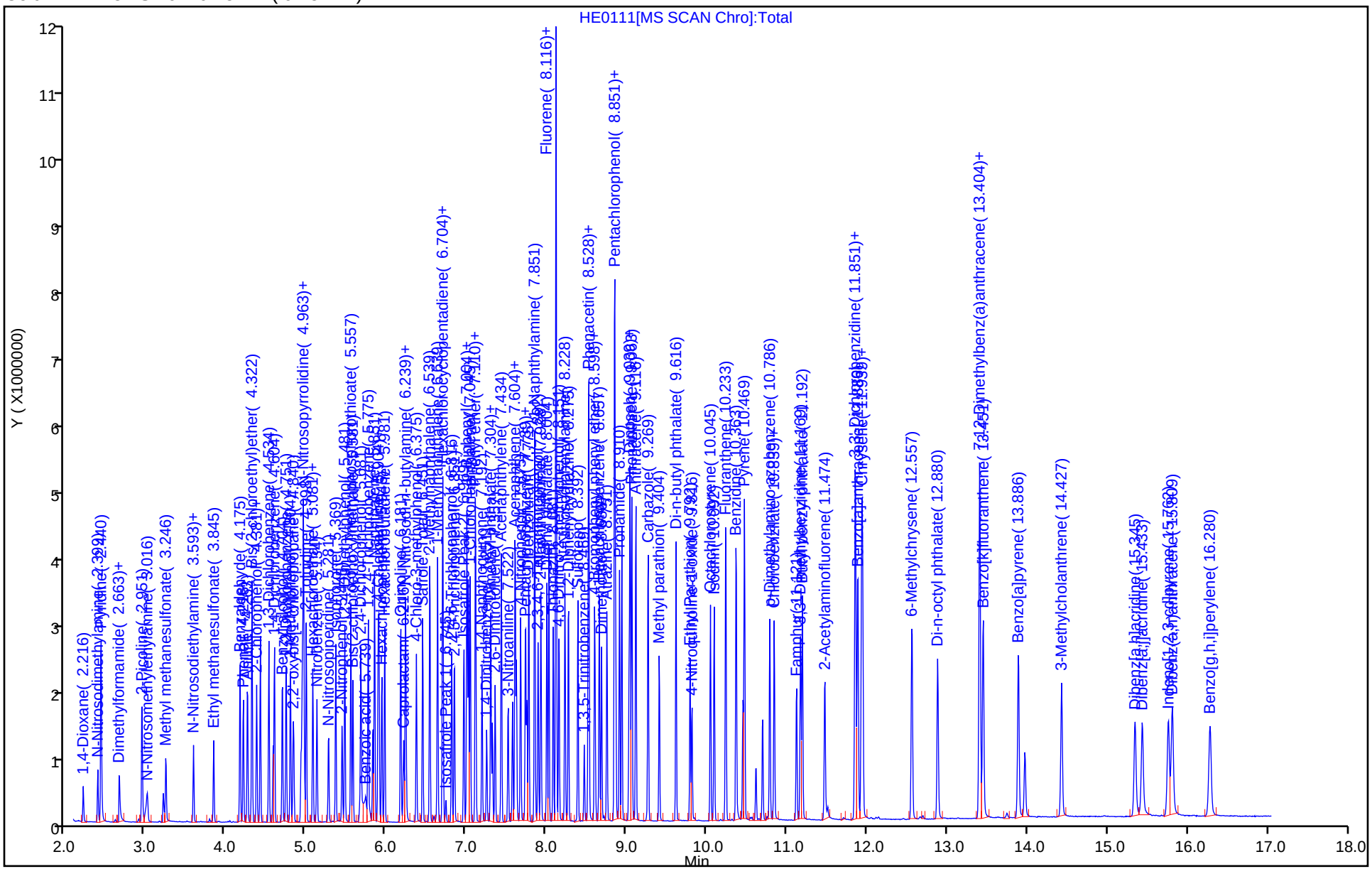
Report Date: 01-May-2025 20:24:13 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D

Injection Date:	01-May-2025 13:28:30	Instrument ID:	HP18831	Operator ID:	CJS101602
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-638082/12 Calibration Date: 05/01/2025 13:28

Instrument ID: HP18831 Calib Start Date: 05/01/2025 09:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/01/2025 12:22

Lab File ID: HE0111.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5046	0.4263		10.6	12.5	-15.5	30.0
N-Nitrosodimethylamine	Ave	0.7737	0.6958		11.2	12.5	-10.1	30.0
Pyridine	Ave	1.251	1.241		24.8	25.0	-0.8	30.0
N,N-dimethylformamide	Ave	0.7557	0.8150		13.5	12.5	7.8	30.0
2-Picoline	Ave	1.250	1.380		13.8	12.5	10.4	30.0
N-Nitrosomethylethylamine	Ave	0.5444	0.5529		12.7	12.5	1.6	30.0
Methyl methanesulfonate	Ave	0.6643	0.7223		13.6	12.5	8.7	30.0
N-Nitrosodiethylamine	Ave	0.5351	0.5801		13.6	12.5	8.4	30.0
Ethyl methanesulfonate	Ave	0.6423	0.6240		12.1	12.5	-2.8	30.0
Benzaldehyde	Ave	1.048	1.085	0.0100	14.2	12.5	3.5	30.0
Phenol	Ave	1.531	1.473	0.8000	12.0	12.5	-3.8	30.0
Aniline	Ave	1.854	1.905		12.8	12.5	2.7	30.0
Bis(2-chloroethyl)ether	Ave	1.278	1.225	0.7000	12.0	12.5	-4.2	30.0
2-Chlorophenol	Ave	1.292	1.268	0.8000	12.3	12.5	-1.9	30.0
1,3-Dichlorobenzene	Ave	1.535	1.515		12.3	12.5	-1.3	30.0
1,4-Dichlorobenzene	Ave	1.550	1.518		12.2	12.5	-2.1	30.0
Benzyl alcohol	Ave	0.8235	0.8192		12.4	12.5	-0.5	30.0
1,2-Dichlorobenzene	Ave	1.483	1.493		12.6	12.5	0.7	30.0
2-Methylphenol	Ave	1.126	1.174	0.7000	13.0	12.5	4.2	30.0
bis(1-chloroispropyl)ether	Ave	1.469	1.474	0.0100	12.5	12.5	0.3	30.0
N-Nitrosopyrrolidine	Ave	0.5727	0.6523		14.2	12.5	13.9	30.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.203	1.233	0.6000	12.8	12.5	2.5	30.0
Acetophenone	Ave	1.940	1.932	0.0100	12.4	12.5	-0.4	30.0
N-Nitrosodi-n-propylamine	Ave	0.9103	0.9042	0.5000	12.4	12.5	-0.7	30.0
N-Nitrosomorpholine	Ave	0.6986	0.7392		13.2	12.5	5.8	30.0
2-Toluidine	Ave	1.878	2.139		14.2	12.5	13.9	30.0
Hexachloroethane	Ave	0.6233	0.6045	0.3000	12.1	12.5	-3.0	30.0
Nitrobenzene	Ave	0.3591	0.3148	0.2000	11.0	12.5	-12.3	30.0
N-Nitrosopiperidine	Ave	0.1465	0.1572		13.4	12.5	7.3	30.0
Isophorone	Ave	0.6077	0.5966	0.4000	12.3	12.5	-1.8	30.0
2-Nitrophenol	Ave	0.1671	0.1600	0.1000	12.0	12.5	-4.3	30.0
2,4-Dimethylphenol	Ave	0.3285	0.3149	0.2000	12.0	12.5	-4.2	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1791	0.1835		12.8	12.5	2.5	30.0
Bis(2-chloroethoxy)methane	Ave	0.3936	0.3823	0.3000	12.1	12.5	-2.9	30.0
2,4-Dichlorophenol	Ave	0.2877	0.2767	0.2000	12.0	12.5	-3.8	30.0
1,2,4-Trichlorobenzene	Ave	0.3397	0.3158		11.6	12.5	-7.0	30.0
Naphthalene	Ave	1.034	1.000	0.7000	12.1	12.5	-3.3	30.0
4-Chloroaniline	Ave	0.4239	0.4286	0.0100	12.6	12.5	1.1	30.0
2,6-Dichlorophenol	Ave	0.2939	0.2937		12.5	12.5	-0.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-638082/12 Calibration Date: 05/01/2025 13:28

Instrument ID: HP18831 Calib Start Date: 05/01/2025 09:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/01/2025 12:22

Lab File ID: HE0111.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.2036	0.2200		13.5	12.5	8.0	30.0
Hexachlorobutadiene	Ave	0.2034	0.1869	0.0100	11.5	12.5	-8.1	30.0
Quinoline	Ave	0.6521	0.6686		12.8	12.5	2.5	30.0
Caprolactam	Ave	0.0900	0.0897	0.0100	12.4	12.5	-0.4	30.0
N-Nitrosodi-n-butylamine	Ave	0.2195	0.2274		13.0	12.5	3.6	30.0
1,4-phenylenediamine	Ave	0.3217	0.3244			12.5	0.8	30.0
4-Chloro-3-methylphenol	Ave	0.2690	0.2664	0.2000	12.4	12.5	-1.0	30.0
Safrole, Total	Ave	0.2648	0.2745		13.0	12.5	3.6	30.0
2-Methylnaphthalene	Ave	0.6150	0.6597	0.4000	13.4	12.5	7.3	30.0
1-Methylnaphthalene	Ave	0.6458	0.6136		11.9	12.5	-5.0	30.0
Hexachlorocyclopentadiene	Ave	0.4207	0.4170	0.0500	12.4	12.5	-0.9	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5968	0.5782	0.0100	12.1	12.5	-3.1	30.0
Isosafrole Peak 1	Ave	0.5227	0.5153		1.48	1.50	-1.4	30.0
2,4,6-Trichlorophenol	Ave	0.3877	0.3659	0.2000	11.8	12.5	-5.6	30.0
2,4,5-Trichlorophenol	Ave	0.4170	0.4120	0.2000	12.4	12.5	-1.2	30.0
Isosafrole Peak 2	Ave	0.5549	0.5658		11.2	11.0	2.0	30.0
1,1'-Biphenyl	Ave	1.522	1.465	0.0100	12.0	12.5	-3.7	30.0
2-Chloronaphthalene	Ave	1.188	1.120	0.8000	11.8	12.5	-5.7	30.0
1-Chloronaphthalene	Ave	1.108	1.202		13.6	12.5	8.5	30.0
Diphenyl ether	Ave	0.8787	0.8199		11.7	12.5	-6.7	30.0
2-Nitroaniline	Ave	0.3424	0.3475	0.0100	12.7	12.5	1.5	30.0
1,4-Naphthoquinone	Ave	0.3952	0.4676		14.8	12.5	18.3	30.0
1,4-Dinitrobenzene	Ave	0.1620	0.1764		13.6	12.5	8.9	30.0
Dimethyl phthalate	Ave	1.343	1.321	0.0100	12.3	12.5	-1.7	30.0
1,3-Dinitrobenzene	Ave	0.2046	0.1933		11.8	12.5	-5.5	30.0
2,6-Dinitrotoluene	Ave	0.2725	0.2746	0.2000	12.6	12.5	0.8	30.0
Acenaphthylene	Ave	1.793	1.861	0.9000	13.0	12.5	3.8	30.0
3-Nitroaniline	Ave	0.3175	0.3180	0.0100	12.5	12.5	0.2	30.0
Acenaphthene	Ave	1.215	1.192	0.9000	12.3	12.5	-1.9	30.0
2,4-Dinitrophenol	Lin2		0.1647	0.0100	22.1	25.0	-11.5	30.0
4-Nitrophenol	Ave	0.1734	0.1807	0.0100	26.1	25.0	4.2	30.0
Pentachlorobenzene	Ave	0.5310	0.5332		12.6	12.5	0.4	30.0
2,4-Dinitrotoluene	Ave	0.3713	0.3693	0.2000	12.4	12.5	-0.5	30.0
Dibenzofuran	Ave	1.705	1.641	0.8000	12.0	12.5	-3.7	30.0
1-Naphthylamine	Ave	1.083	1.147		13.2	12.5	5.9	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3459	0.3494	0.0100	12.6	12.5	1.0	30.0
2-Naphthylamine	Ave	1.157	1.227		13.3	12.5	6.0	30.0
Diethyl phthalate	Ave	1.315	1.332	0.0100	12.7	12.5	1.3	30.0
Thionazin	Ave	0.1867	0.1959		13.1	12.5	4.9	30.0
4-Chlorophenyl-phenyl ether	Ave	0.6721	0.6785	0.4000	12.6	12.5	0.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-638082/12 Calibration Date: 05/01/2025 13:28

Instrument ID: HP18831 Calib Start Date: 05/01/2025 09:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/01/2025 12:22

Lab File ID: HE0111.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
5-Nitro-o-toluidine	Ave	0.3419	0.3981		14.6	12.5	16.4	30.0
Fluorene	Ave	1.373	1.394	0.9000	12.7	12.5	1.6	30.0
4-Nitroaniline	Ave	0.3400	0.3589	0.0100	13.2	12.5	5.5	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1238	0.1241	0.0100	25.1	25.0	0.3	30.0
N-Nitrosodiphenylamine	Ave	0.5788	0.6012	0.0100	11.0	10.6	3.9	30.0
1,2-Diphenylhydrazine	Ave	0.6646	0.6998		13.2	12.5	5.3	30.0
Sulfotepp	Ave	0.1022	0.1172		14.3	12.5	14.7	30.0
1,3,5-Trinitrobenzene	Ave	0.0613	0.0662			12.5	8.0	30.0
cis-Diallate	Ave	0.2676	0.3019		10.6	9.38	12.8	30.0
Phenacetin	Ave	0.2871	0.3312		14.4	12.5	15.4	30.0
Phorate	Ave	0.3382	0.3836		14.2	12.5	13.4	30.0
4-Bromophenyl-phenylether	Ave	0.2084	0.2087	0.1000	12.5	12.5	0.1	30.0
trans-Diallate	Ave	0.2536	0.2951		3.64	3.13	16.4	30.0
Hexachlorobenzene	Ave	0.2582	0.2467	0.1000	11.9	12.5	-4.5	30.0
Dimethoate	Ave	0.2073	0.2513		15.2	12.5	21.2	30.0
Atrazine	Ave	0.1897	0.2142	0.0100	14.1	12.5	12.9	30.0
Pentachlorophenol	Ave	0.1574	0.1620	0.0500	25.7	25.0	2.9	30.0
4-Aminobiphenyl	Ave	0.7679	0.8267		13.5	12.5	7.7	30.0
Pentachloronitrobenzene	Ave	0.0911	0.0999		13.7	12.5	9.6	30.0
Pronamide	Ave	0.2895	0.3383		14.6	12.5	16.8	30.0
Dinoseb	Lin1		0.1678		12.1	12.5	-3.1	30.0
Disulfoton	Ave	0.3518	0.3632		12.9	12.5	3.2	30.0
Phenanthrene	Ave	1.056	1.055	0.7000	12.5	12.5	-0.2	30.0
Anthracene	Ave	1.038	1.087	0.7000	13.1	12.5	4.8	30.0
Carbazole	Ave	0.9423	0.9886	0.0100	13.1	12.5	4.9	30.0
Methyl parathion	Ave	0.1808	0.2205		15.2	12.5	21.9	30.0
Di-n-butyl phthalate	Ave	1.042	1.175	0.0100	14.1	12.5	12.8	30.0
Parathion	Ave	0.1094	0.1291		14.8	12.5	18.1	30.0
4-Nitroquinoline-1-oxide	Lin2		0.0680		10.7	12.5	-14.8	30.0
Octachlorostyrene	Ave	0.1013	0.0975		12.0	12.5	-3.8	30.0
Isodrin	Ave	0.1186	0.1205		12.7	12.5	1.6	30.0
Fluoranthene	Ave	1.082	1.112	0.6000	12.8	12.5	2.8	30.0
Benzidine	Ave	0.7595	1.025		16.9	12.5	34.9*	30.0
Pyrene	Ave	1.237	1.197	0.6000	12.1	12.5	-3.2	30.0
p-Dimethylamino azobenzene	Ave	0.1970	0.2193		13.9	12.5	11.3	30.0
Chlorobenzilate	Ave	0.2988	0.3525		14.7	12.5	17.9	30.0
3,3'-Dimethylbenzidine	Ave	0.5634	0.6327		14.0	12.5	12.3	30.0
Butylbenzylphthalate	Ave	0.4708	0.5002	0.0100	13.3	12.5	6.3	30.0
2-Acetylaminofluorene	Ave	0.3573	0.3412		11.9	12.5	-4.5	30.0
3,3'-Dichlorobenzidine	Ave	0.4736	0.5945	0.0100	15.7	12.5	25.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-638082/12 Calibration Date: 05/01/2025 13:28

Instrument ID: HP18831 Calib Start Date: 05/01/2025 09:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/01/2025 12:22

Lab File ID: HE0111.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,4'-Methylene bis(2-chloroaniline)	Ave	0.1966	0.2148		13.7	12.5	9.3	30.0
Benzo[a]anthracene	Ave	1.062	1.084	0.8000	12.8	12.5	2.1	30.0
Chrysene	Ave	1.066	1.059	0.7000	12.4	12.5	-0.6	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6903	0.6985	0.0100	12.6	12.5	1.2	30.0
6-Methylchrysene	Ave	0.6911	0.6942		12.6	12.5	0.4	30.0
Di-n-octyl phthalate	Lin1		1.246	0.0100	12.2	12.5	-2.6	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5096	0.5779		14.2	12.5	13.4	30.0
Benzo[b]fluoranthene	Ave	1.185	1.262	0.7000	13.3	12.5	6.5	30.0
Benzo[k]fluoranthene	Ave	1.249	1.310	0.7000	13.1	12.5	4.9	30.0
Benzo[a]pyrene	Ave	1.071	1.106	0.7000	12.9	12.5	3.3	30.0
3-Methylcholanthrene	Ave	0.5306	0.5358		12.6	12.5	1.0	30.0
Dibenz[a,h]acridine	Ave	0.7449	0.8430		14.1	12.5	13.2	30.0
Dibenz[a,j]acridine	Ave	0.8749	0.8943		12.8	12.5	2.2	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9802	0.9055	0.5000	11.5	12.5	-7.6	30.0
Dibenz(a,h)anthracene	Ave	1.030	1.003	0.4000	12.2	12.5	-2.6	30.0
Benzo[g,h,i]perylene	Ave	1.011	0.9673	0.5000	12.0	12.5	-4.3	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 01-May-2025 13:28:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0145811-012
Operator ID: CJS101602 Instrument ID: HP18831
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-May-2025 20:23:37 Calib Date: 01-May-2025 12:22:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

First Level Reviewer: WH7Z Date: 01-May-2025 19:34:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.216	2.216	0.000	94	155556	12.5	10.6	
2 N-Nitrosodimethylamine	74	2.399	2.399	0.001	92	253902	12.5	11.2	
3 Pyridine	79	2.440	2.440	0.000	97	905400	25.0	24.8	
4 Dimethylformamide	73	2.663	2.669	-0.006	96	297395	12.5	13.5	
5 2-Picoline	93	2.951	2.951	0.000	95	503725	12.5	13.8	
6 N-Nitrosomethylethylamine	88	3.016	3.016	0.000	96	201746	12.5	12.7	
9 Methyl methanesulfonate	80	3.246	3.251	-0.005	86	263553	12.5	13.6	
11 N-Nitrosodiethylamine	102	3.593	3.593	0.000	95	211678	12.5	13.6	
13 Ethyl methanesulfonate	109	3.845	3.845	0.000	99	227704	12.5	12.1	
15 Benzaldehyde	77	4.175	4.175	0.000	94	395751	12.5	14.2	E
17 Phenol	94	4.216	4.216	0.000	98	537365	12.5	12.0	
18 Aniline	93	4.263	4.269	-0.006	99	695216	12.5	12.8	
19 Bis(2-chloroethyl)ether	93	4.322	4.322	0.000	96	447064	12.5	12.0	
20 2-Chlorophenol	128	4.381	4.381	0.000	96	462600	12.5	12.3	
22 1,3-Dichlorobenzene	146	4.534	4.534	0.000	99	552922	12.5	12.3	a
* 23 1,4-Dichlorobenzene-d4	152	4.587	4.587	0.000	94	145961	5.00	5.00	
24 1,4-Dichlorobenzene	146	4.604	4.604	0.000	95	553954	12.5	12.2	a
26 Benzyl alcohol	108	4.704	4.704	0.000	94	298943	12.5	12.4	
27 1,2-Dichlorobenzene	146	4.751	4.751	0.000	98	544973	12.5	12.6	a
30 2-Methylphenol	108	4.804	4.804	0.000	94	428473	12.5	13.0	
32 2,2'-oxybis[1-chloropropane]	45	4.840	4.840	0.000	91	537686	12.5	12.5	
33 N-Nitrosopyrrolidine	100	4.934	4.934	0.000	94	238044	12.5	14.2	
36 4-Methylphenol	108	4.951	4.951	0.000	98	449830	12.5	12.8	
34 Acetophenone	105	4.963	4.963	0.000	98	704825	12.5	12.4	
35 N-Nitrosodi-n-propylamine	70	4.963	4.963	0.000	81	329944	12.5	12.4	
37 N-Nitrosomorpholine	56	4.975	4.975	0.000	92	269753	12.5	13.2	
38 2-Toluidine	106	4.998	4.998	0.000	96	780663	12.5	14.2	
28 Indene	115		5.045				ND	ND	
40 Hexachloroethane	117	5.081	5.081	0.000	94	220593	12.5	12.1	
42 Nitrobenzene	77	5.134	5.134	0.000	86	471382	12.5	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
43 N-Nitrosopiperidine	114	5.281	5.281	0.000	87	235384	12.5	13.4	
45 Isophorone	82	5.369	5.369	0.000	99	893390	12.5	12.3	
46 2-Nitrophenol	139	5.445	5.445	0.000	95	239604	12.5	12.0	
48 2,4-Dimethylphenol	107	5.481	5.481	0.000	95	471508	12.5	12.0	
49 o,o',o''-Triethylphosphorothioat	198	5.557	5.557	0.000	81	274865	12.5	12.8	
51 Bis(2-chloroethoxy)methane	93	5.581	5.581	0.000	98	572536	12.5	12.1	
52 2,4-Dichlorophenol	162	5.681	5.681	0.000	92	414327	12.5	12.0	a
50 Benzoic acid	105	5.722	5.745	-0.023	31	2962	NC	NC	
53 1,2,4-Trichlorobenzene	180	5.775	5.775	0.000	94	472894	12.5	11.6	
* 54 Naphthalene-d8	136	5.834	5.834	0.000	99	599000	5.00	5.00	
55 Naphthalene	128	5.851	5.851	0.000	97	1497521	12.5	12.1	
57 4-Chloroaniline	127	5.898	5.898	0.000	97	641890	12.5	12.6	
58 2,6-Dichlorophenol	162	5.910	5.910	0.000	98	439841	12.5	12.5	a
59 Hexachloropropene	213	5.945	5.945	0.000	89	329460	12.5	13.5	
60 Hexachlorobutadiene	225	5.981	5.981	0.000	97	279863	12.5	11.5	
62 Quinoline	129	6.181	6.181	0.000	98	1001230	12.5	12.8	
63 Caprolactam	113	6.216	6.210	0.006	78	134266	12.5	12.4	
64 N-Nitrosodi-n-butylamine	84	6.239	6.239	0.000	93	340510	12.5	13.0	
39 p-Phenylene diamine	108	6.245	6.245	0.000	97	485766	12.5	12.6	
66 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	95	398964	12.5	12.4	
67 Safrole, Total	162	6.451	6.451	0.000	94	411001	12.5	13.0	
68 2-Methylnaphthalene	142	6.539	6.539	0.000	91	987859	12.5	13.4	
69 1-Methylnaphthalene	142	6.639	6.639	0.000	93	918907	12.5	11.9	
71 Hexachlorocyclopentadiene	237	6.698	6.698	0.000	97	354015	12.5	12.4	
72 1,2,4,5-Tetrachlorobenzene	216	6.704	6.704	0.000	98	490901	12.5	12.1	
73 Isosafrole Peak 1	162	6.745	6.745	0.000	93	52496	1.50	1.48	
74 2,4,6-Trichlorophenol	196	6.816	6.816	0.000	91	310697	12.5	11.8	
75 2,4,5-Trichlorophenol	196	6.851	6.845	0.006	95	349816	12.5	12.4	
77 Isosafrole Peak 2	162	6.969	6.969	0.000	95	422748	11.0	11.2	
78 1,1'-Biphenyl	154	7.004	7.004	0.000	93	1243600	12.5	12.0	
79 2-Chloronaphthalene	162	7.022	7.022	0.000	96	951107	12.5	11.8	
80 1-Chloronaphthalene	162	7.045	7.045	0.000	98	1020807	12.5	13.6	
81 Phenyl ether	170	7.110	7.110	0.000	88	696132	12.5	11.7	
82 2-Nitroaniline	138	7.116	7.116	0.000	88	295076	12.5	12.7	
84 1,4-Naphthoquinone	158	7.192	7.192	0.000	93	396964	12.5	14.8	
85 1,4-Dinitrobenzene	168	7.251	7.251	0.000	91	149809	12.5	13.6	
86 Dimethyl phthalate	163	7.304	7.304	0.000	99	1121404	12.5	12.3	
87 1,3-Dinitrobenzene	168	7.322	7.322	0.000	87	164135	12.5	11.8	
88 2,6-Dinitrotoluene	165	7.357	7.357	0.000	96	233139	12.5	12.6	
89 Acenaphthylene	152	7.434	7.433	0.001	98	1579867	12.5	13.0	
90 3-Nitroaniline	138	7.522	7.522	0.000	97	269971	12.5	12.5	
* 91 Acenaphthene-d10	164	7.575	7.575	0.000	94	339609	5.00	5.00	
93 Acenaphthene	153	7.604	7.604	0.000	95	1012253	12.5	12.3	
94 2,4-Dinitrophenol	184	7.622	7.622	0.000	86	279653	25.0	22.1	
95 4-Nitrophenol	109	7.675	7.675	0.000	90	306900	25.0	26.1	
96 Pentachlorobenzene	250	7.739	7.739	0.000	98	452728	12.5	12.6	
98 2,4-Dinitrotoluene	165	7.757	7.751	0.006	95	313537	12.5	12.4	
97 Dibenzofuran	168	7.781	7.775	0.006	96	1393450	12.5	12.0	
99 1-Naphthylamine	143	7.851	7.851	0.000	99	974172	12.5	13.2	
101 2,3,4,6-Tetrachlorophenol	232	7.892	7.892	0.000	73	296678	12.5	12.6	
103 2-Naphthylamine	143	7.928	7.928	0.000	97	1041814	12.5	13.3	
104 Diethyl phthalate	149	8.004	8.004	0.000	98	1131012	12.5	12.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
106 Thionazin	107	8.081	8.080	0.001	81	166346	12.5	13.1	
105 Fluorene	166	8.116	8.116	0.000	92	1183871	12.5	12.7	
108 4-Chlorophenyl phenyl ether	204	8.116	8.116	0.000	86	576029	12.5	12.6	
107 N-Nitro-o-toluidine	152	8.116	8.116	0.000	71	338034	12.5	14.6	
109 4-Nitroaniline	138	8.122	8.122	0.000	81	304718	12.5	13.2	
110 4,6-Dinitro-2-methylphenol	198	8.157	8.157	0.000	88	390199	25.0	25.1	
111 N-Nitrosodiphenylamine	169	8.228	8.228	0.000	63	803031	10.6	11.0	
112 1,2-Diphenylhydrazine	77	8.269	8.275	-0.006	98	1099791	12.5	13.2	
114 Sulfotepp	97	8.392	8.392	0.000	85	184209	12.5	14.3	
172 1,3,5-Trinitrobenzene	213	8.469	8.469	0.000	84	104000	12.5	13.5	
115 cis-Diallate	86	8.516	8.522	-0.006	84	355828	9.38	10.6	
117 Phenacetin	108	8.528	8.522	0.006	87	520457	12.5	14.4	
116 Phorate	75	8.528	8.528	0.000	92	602913	12.5	14.2	
118 4-Bromophenyl phenyl ether	248	8.598	8.598	0.000	65	327948	12.5	12.5	
119 trans-Diallate	86	8.610	8.610	0.000	96	115937	3.13	3.64	
120 Hexachlorobenzene	284	8.657	8.657	0.000	95	387681	12.5	11.9	
121 Dimethoate	87	8.686	8.686	0.000	94	394917	12.5	15.2	
122 Atrazine	200	8.751	8.751	0.000	95	336677	12.5	14.1	
123 Pentachlorophenol	266	8.845	8.845	0.000	93	509038	25.0	25.7	
125 4-Aminobiphenyl	169	8.851	8.851	0.000	90	1299231	12.5	13.5	
124 Pentachloronitrobenzene	237	8.863	8.863	0.000	87	156924	12.5	13.7	
126 Pronamide	173	8.910	8.910	0.000	89	531603	12.5	14.6	
128 Dinoseb	211	9.028	9.027	0.001	96	263651	12.5	12.1	
* 127 Phenanthrene-d10	188	9.039	9.039	0.000	96	628612	5.00	5.00	
70 Disulfoton	88	9.039	9.039	0.000	94	570720	12.5	12.9	M
129 Phenanthrene	178	9.063	9.063	0.000	96	1657301	12.5	12.5	
130 Anthracene	178	9.116	9.116	0.000	97	1708682	12.5	13.1	
131 Carbazole	167	9.269	9.269	0.000	96	1553575	12.5	13.1	
132 Methyl parathion	109	9.404	9.404	0.000	92	346470	12.5	15.2	
133 Di-n-butyl phthalate	149	9.616	9.616	0.000	100	1847320	12.5	14.1	
S 65 Diallate	86				0		12.5	14.2	
134 Ethyl Parathion	109	9.792	9.792	0.000	86	202953	12.5	14.8	
135 4-Nitroquinoline-1-oxide	190	9.816	9.816	0.000	79	106934	12.5	10.7	
136 Octachlorostyrene	308	10.045	10.045	0.000	93	153254	12.5	12.0	
174 Aramite Peak 1	185		10.057				ND	ND	
137 Isodrin	193	10.092	10.092	0.000	93	189342	12.5	12.7	
170 Aramite Peak 3	185		10.128				ND	ND	
175 Aramite Peak 2	185		10.128				ND	ND	
168 Aramite Peak 4	185		10.204				ND	ND	
138 Fluoranthene	202	10.233	10.233	0.000	97	1747310	12.5	12.8	
139 Benzidine	184	10.363	10.369	-0.006	99	1574754	12.5	16.9	
* 140 Pyrene-d10 (IS)	212	10.451	10.451	0.000	98	614632	5.00	5.00	
141 Pyrene	202	10.469	10.469	0.000	97	1838839	12.5	12.1	
143 p-Dimethylamino azobenzene	225	10.786	10.786	0.000	93	336939	12.5	13.9	
144 Chlorobenzilate	139	10.839	10.839	0.000	87	541589	12.5	14.7	
100 Famphur	218	11.121	11.121	0.000	83	518793	12.5	16.6	
145 3,3'-Dimethylbenzidine	212	11.169	11.169	0.000	99	972182	12.5	14.0	
146 Butyl benzyl phthalate	149	11.192	11.192	0.000	96	768607	12.5	13.3	
147 2-Acetylaminofluorene	181	11.474	11.469	0.006	93	524234	12.5	11.9	
S 92 Aramite, Total	185		11.583				12.5	ND	7
149 3,3'-Dichlorobenzidine	252	11.851	11.851	0.000	75	913484	12.5	15.7	
150 4,4'-Methylene bis(2-chloroanil	231	11.857	11.857	0.000	94	330079	12.5	13.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
148 Benzo[a]anthracene	228	11.886	11.886	0.000	98	1665505	12.5	12.8	
151 Chrysene	228	11.933	11.933	0.000	96	1627703	12.5	12.4	
152 Bis(2-ethylhexyl) phthalate	149	11.945	11.945	0.000	95	1073289	12.5	12.6	
153 6-Methylchrysene	242	12.557	12.563	-0.006	98	1066705	12.5	12.6	
154 Di-n-octyl phthalate	149	12.880	12.880	0.000	98	1506577	12.5	12.2	
156 7,12-Dimethylbenz(a)anthracene	256	13.404	13.404	0.000	89	698790	12.5	14.2	
155 Benzo[b]fluoranthene	252	13.410	13.410	0.000	97	1526503	12.5	13.3	
157 Benzo[k]fluoranthene	252	13.451	13.451	0.000	99	1584640	12.5	13.1	
158 Benzo[a]pyrene	252	13.886	13.892	-0.006	77	1337822	12.5	12.9	
* 159 Perylene-d12	264	13.968	13.974	-0.006	99	483698	5.00	5.00	
160 3-Methylcholanthrene	268	14.427	14.427	0.000	91	647945	12.5	12.6	
161 Dibenz[a,h]acridine	279	15.345	15.345	0.000	90	1019400	12.5	14.1	a
162 Dibenz[a,j]acridine	279	15.433	15.433	-0.006	96	1081455	12.5	12.8	a
163 Indeno[1,2,3-cd]pyrene	276	15.762	15.762	0.000	99	1094954	12.5	11.5	
164 Dibenz(a,h)anthracene	278	15.809	15.809	0.000	91	1213278	12.5	12.2	
165 Benzo[g,h,i]perylene	276	16.280	16.280	0.000	98	1169646	12.5	12.0	
S 166 Isosafrole	162				0		12.5	12.7	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND
- E - Exceeded Maximum Amount
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

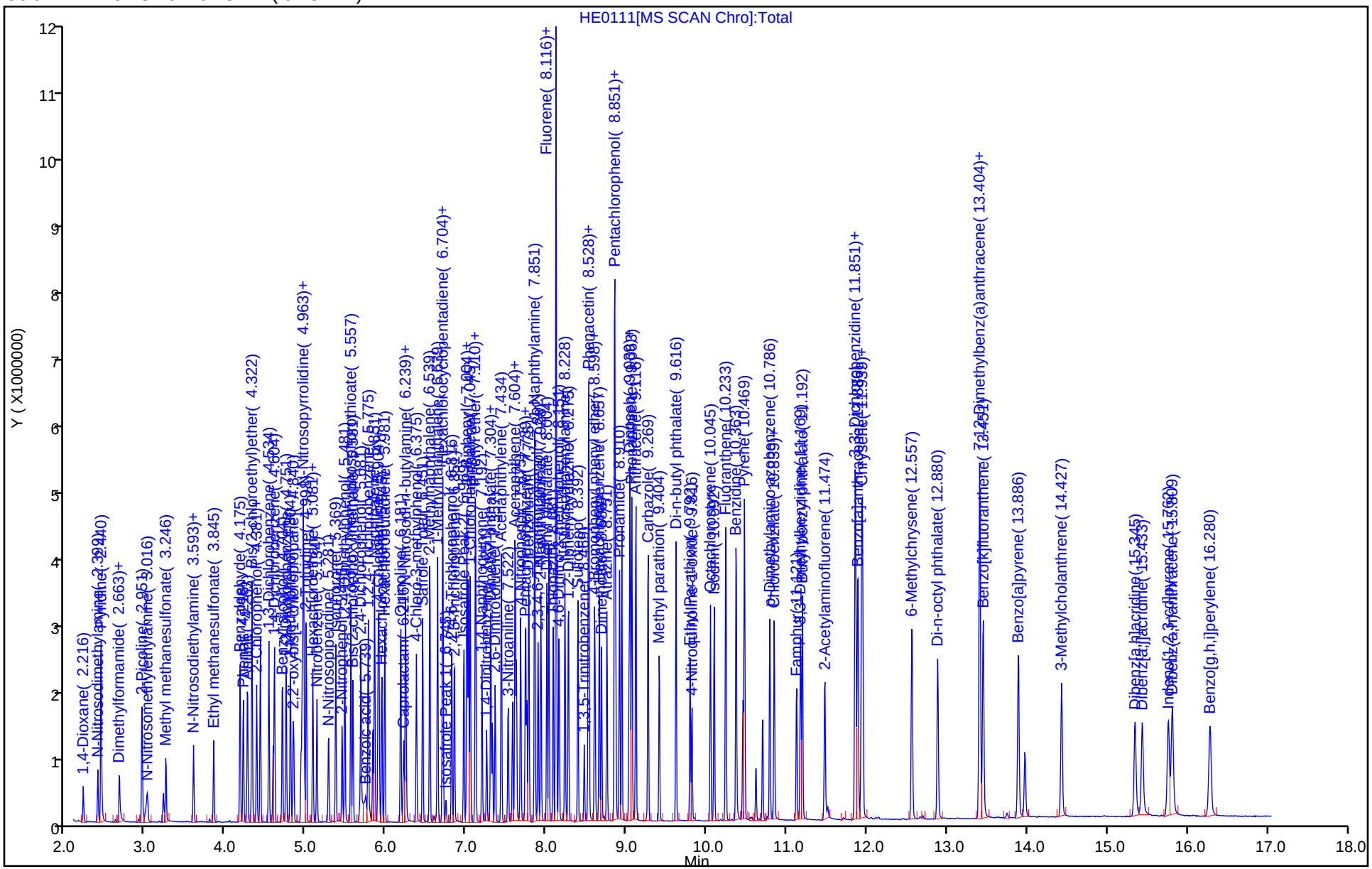
Report Date: 01-May-2025 20:24:13 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D

Injection Date:	01-May-2025 13:28:30	Instrument ID:	HP18831	Operator ID:	CJS101602
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

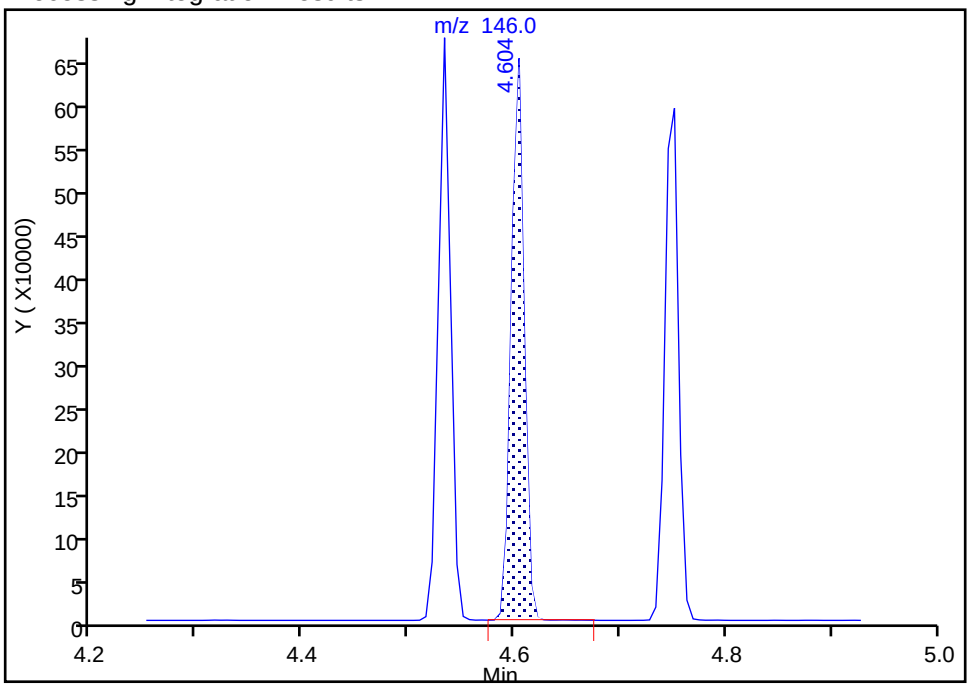
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D				
Injection Date:	01-May-2025 13:28:30	Instrument ID:	HP18831		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

22 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

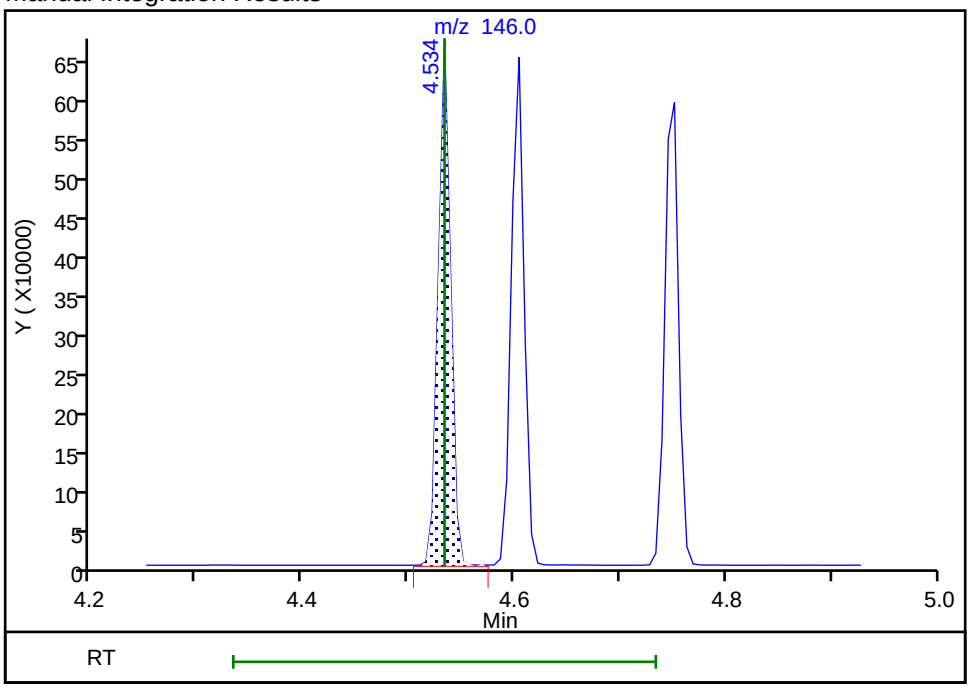
Processing Integration Results

RT: 4.60
Area: 553954
Amount: 12.359980
Amount Units: ug/ml



Manual Integration Results

RT: 4.53
Area: 552922
Amount: 12.336954
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 18:57:29 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

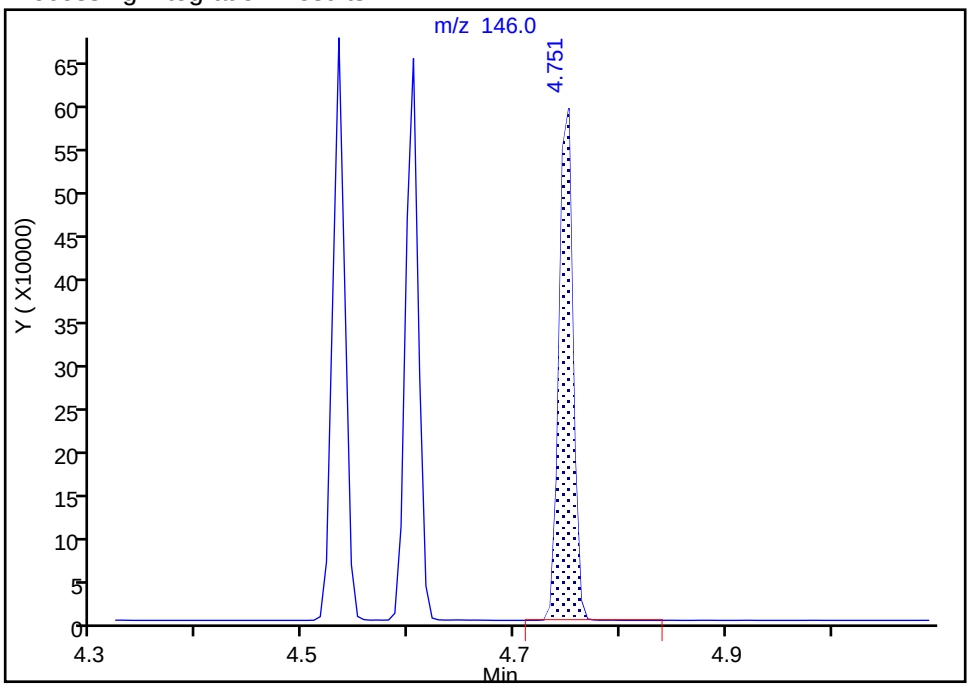
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D				
Injection Date:	01-May-2025 13:28:30	Instrument ID:	HP18831		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

24 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

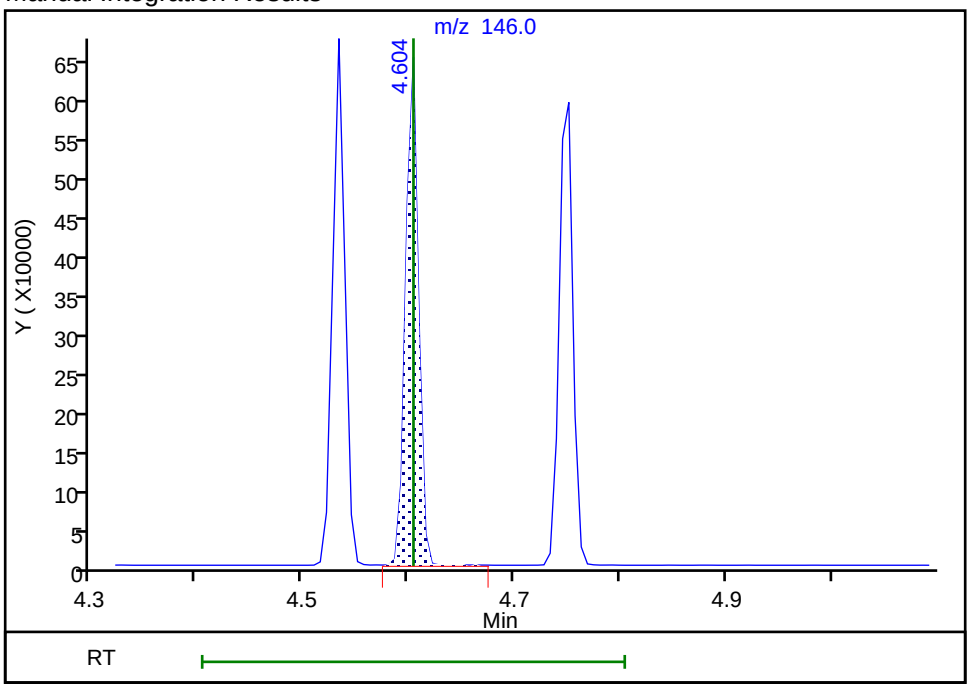
Processing Integration Results

RT: 4.75
Area: 544973
Amount: 12.043320
Amount Units: ug/ml



Manual Integration Results

RT: 4.60
Area: 553954
Amount: 12.241790
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 18:57:34 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

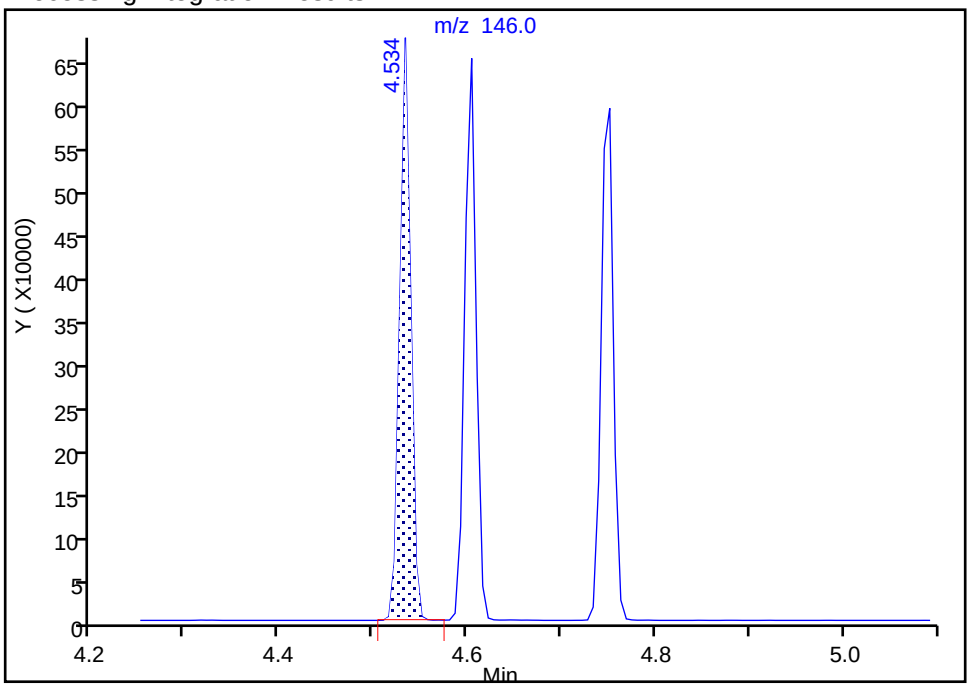
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D				
Injection Date:	01-May-2025 13:28:30	Instrument ID:	HP18831		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

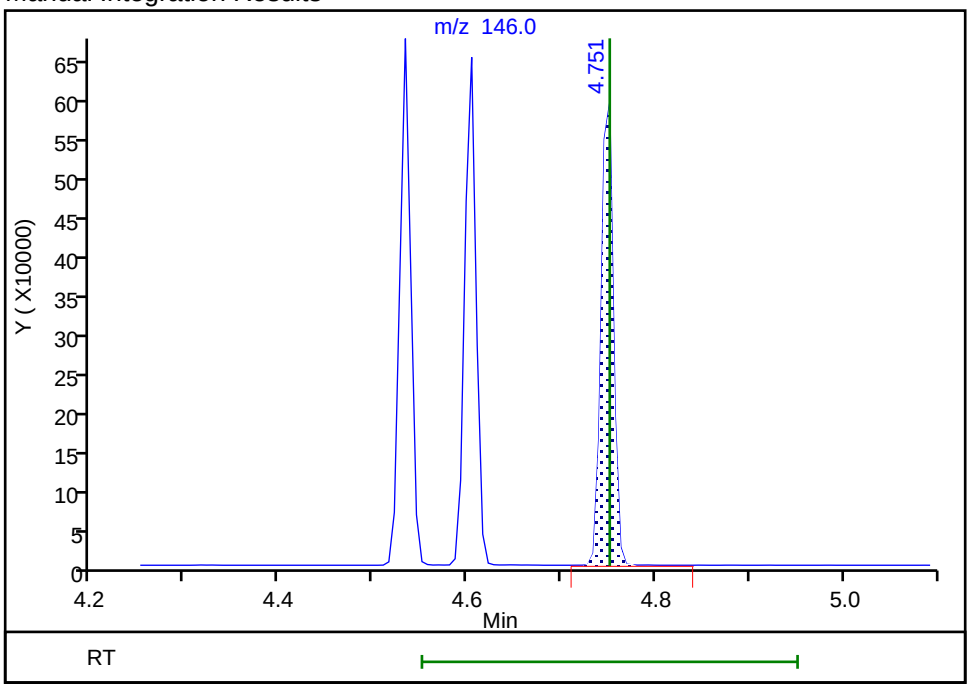
Processing Integration Results

RT: 4.53
Area: 552922
Amount: 12.771218
Amount Units: ug/ml



Manual Integration Results

RT: 4.75
Area: 544973
Amount: 12.587614
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 18:57:39 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

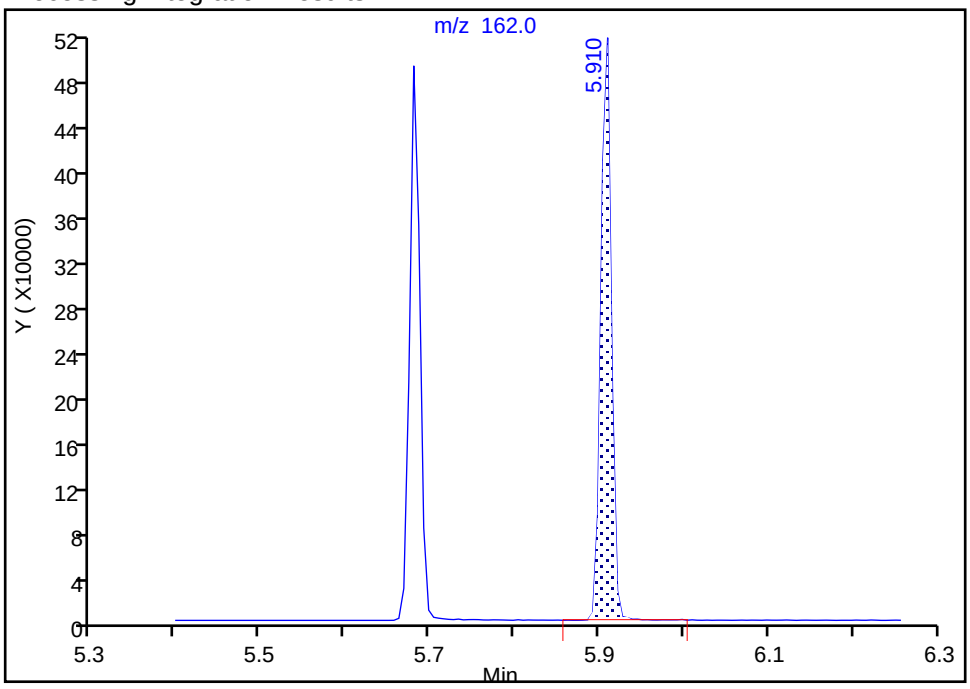
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D				
Injection Date:	01-May-2025 13:28:30	Instrument ID:	HP18831		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

52 2,4-Dichlorophenol, CAS: 120-83-2

Signal: 1

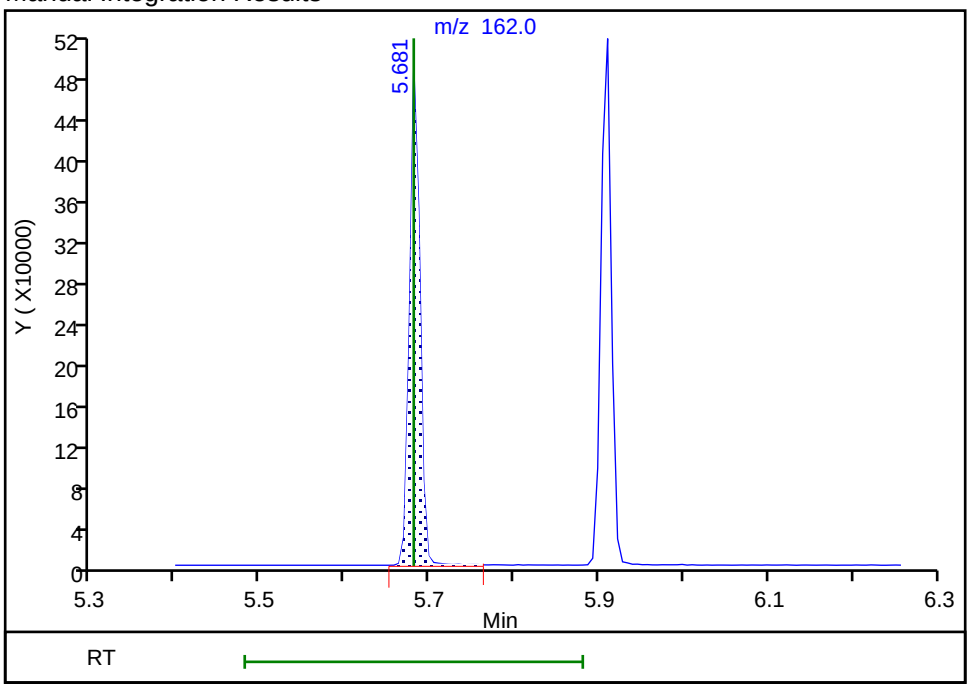
Processing Integration Results

RT: 5.91
Area: 439841
Amount: 12.761767
Amount Units: ug/ml



Manual Integration Results

RT: 5.68
Area: 414327
Amount: 12.021491
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 18:59:53 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

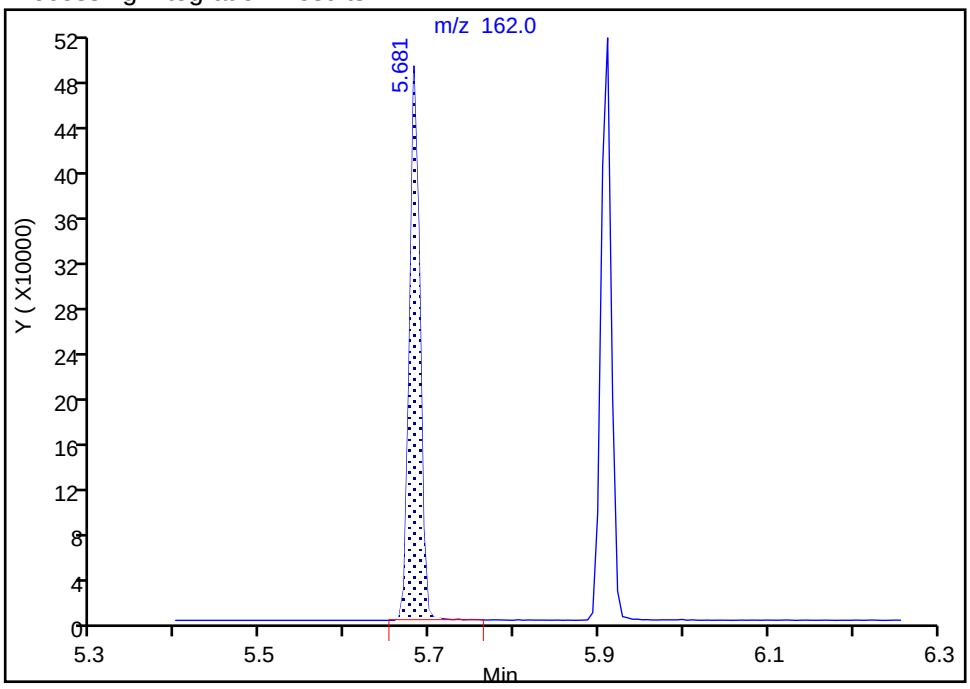
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D
Injection Date: 01-May-2025 13:28:30 Instrument ID: HP18831
Lims ID: ICV FULL
Client ID:
Operator ID: CJS101602 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

58 2,6-Dichlorophenol, CAS: 87-65-0

Signal: 1

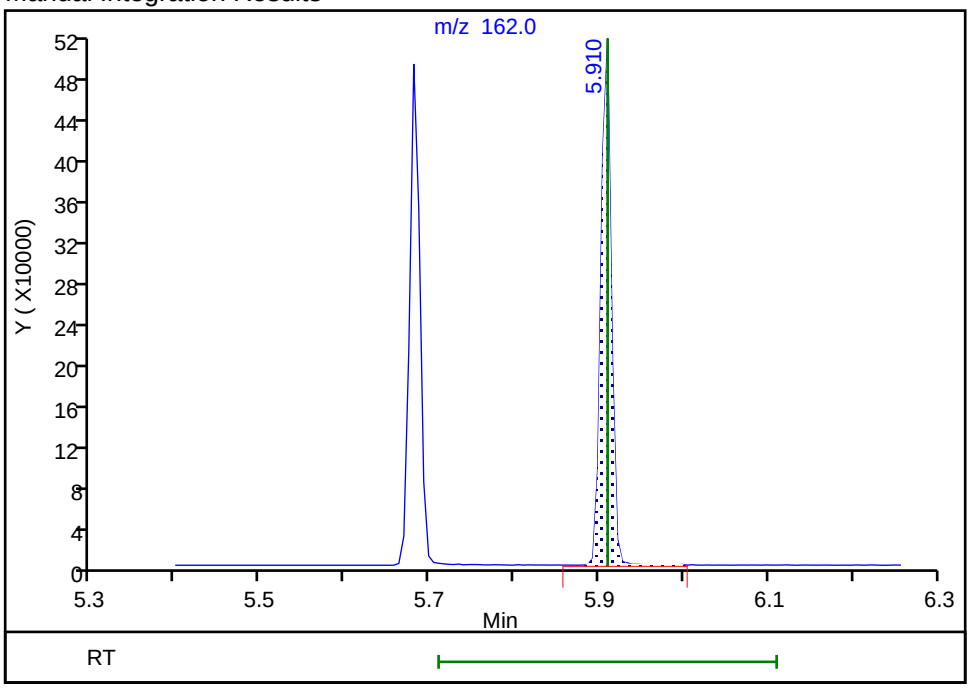
Processing Integration Results

RT: 5.68
Area: 414327
Amount: 11.768918
Amount Units: ug/ml



Manual Integration Results

RT: 5.91
Area: 439841
Amount: 12.493641
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 18:59:59 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

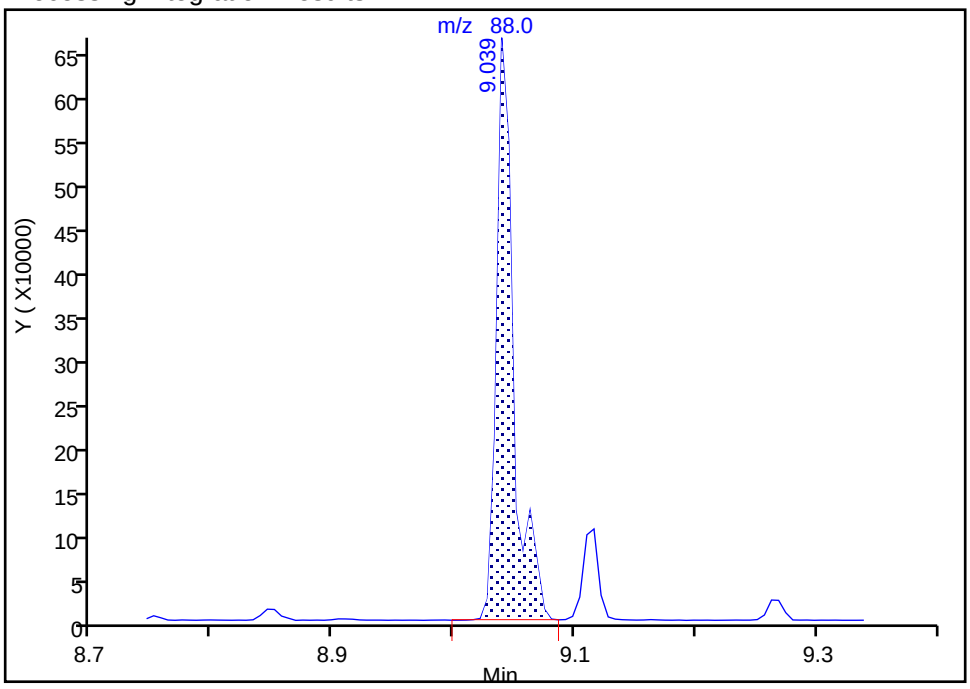
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D				
Injection Date:	01-May-2025 13:28:30	Instrument ID:	HP18831		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

70 Disulfoton, CAS: 298-04-4

Signal: 1

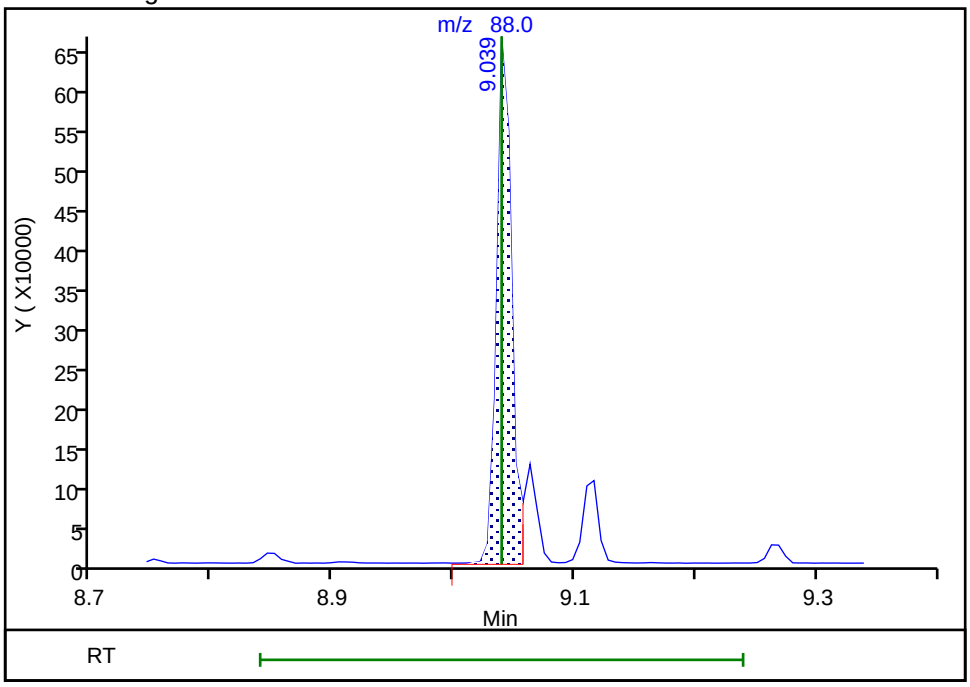
Processing Integration Results

RT: 9.04
Area: 657633
Amount: 14.868142
Amount Units: ug/ml



Manual Integration Results

RT: 9.04
Area: 570720
Amount: 12.903163
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 19:00:36 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

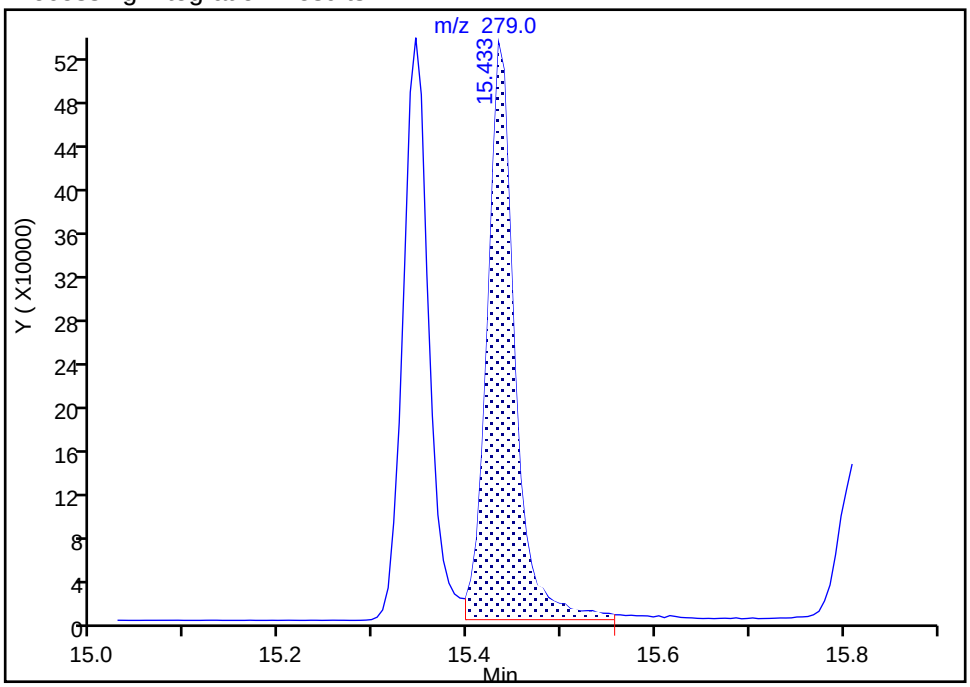
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D				
Injection Date:	01-May-2025 13:28:30	Instrument ID:	HP18831		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

161 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

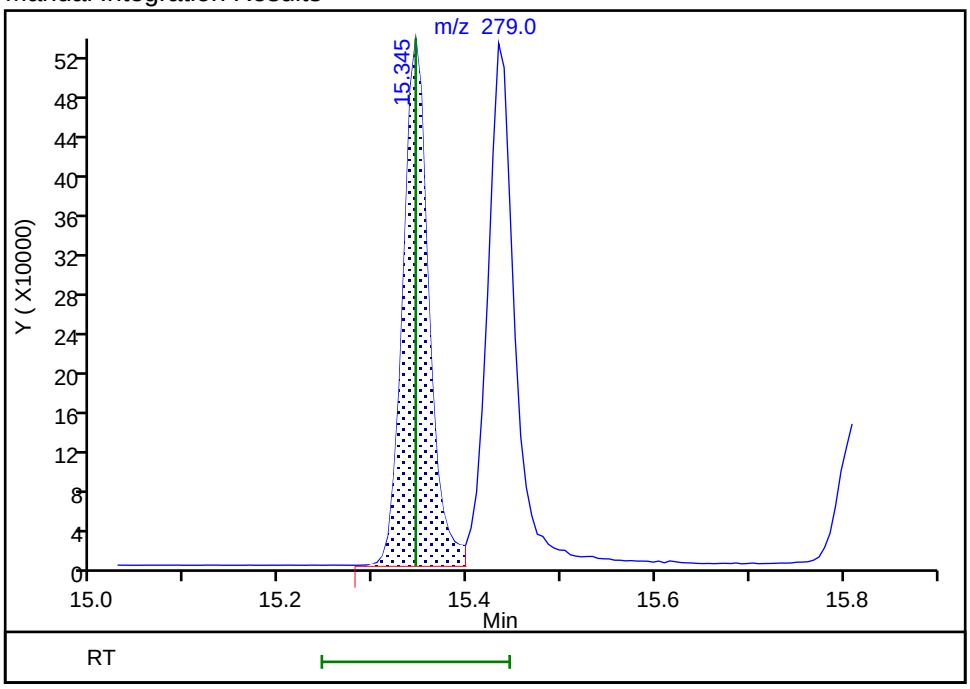
Processing Integration Results

RT: 15.43
Area: 1081455
Amount: 15.007664
Amount Units: ug/ml



Manual Integration Results

RT: 15.34
Area: 1019400
Amount: 14.146509
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 20:10:23 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

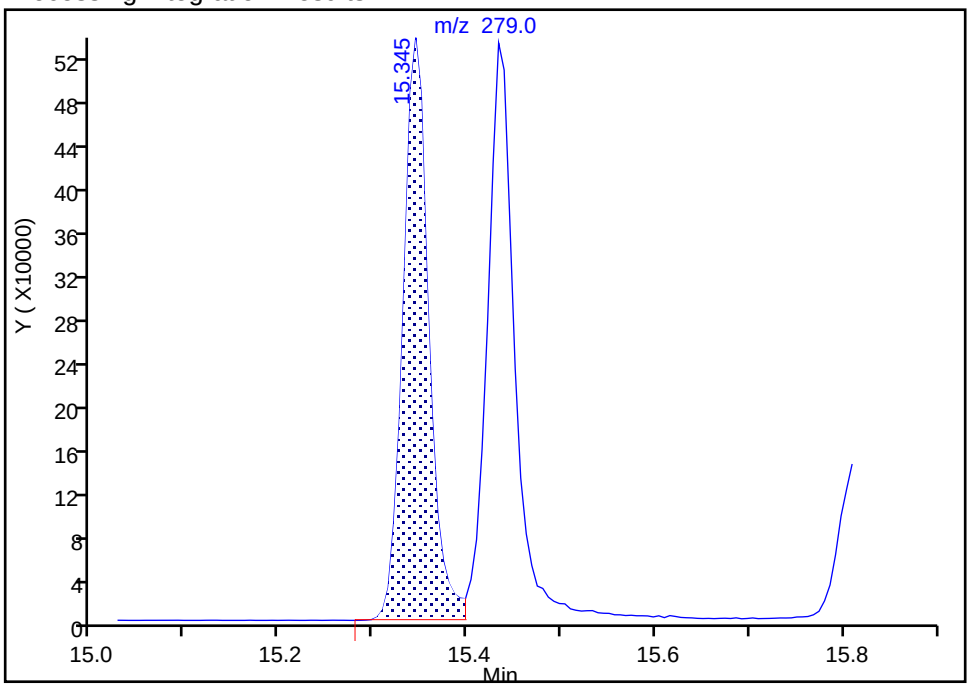
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0111.D				
Injection Date:	01-May-2025 13:28:30	Instrument ID:	HP18831		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

162 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

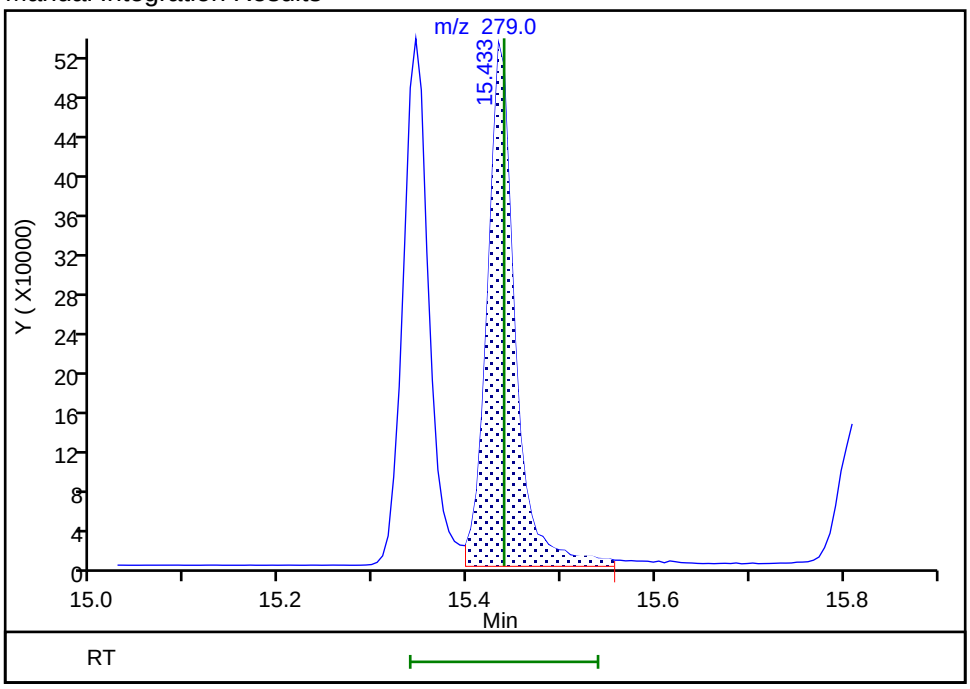
Processing Integration Results

RT: 15.34
Area: 1019400
Amount: 12.044516
Amount Units: ug/ml



Manual Integration Results

RT: 15.43
Area: 1081455
Amount: 12.777715
Amount Units: ug/ml



Reviewer: WH7Z, 01-May-2025 20:10:28 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-653692/2 Calibration Date: 06/05/2025 21:20

Instrument ID: HP18831 Calib Start Date: 05/01/2025 09:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/01/2025 12:22

Lab File ID: HF0551.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5046	0.4960		12.3	12.5	-1.7	20.0
N-Nitrosodimethylamine	Ave	0.7737	0.7522		12.2	12.5	-2.8	20.0
Pyridine	Ave	1.251	1.295		25.9	25.0	3.6	20.0
N,N-dimethylformamide	Ave	0.7557	0.7333		12.1	12.5	-3.0	20.0
2-Picoline	Ave	1.250	1.330		13.3	12.5	6.4	20.0
N-Nitrosomethylethylamine	Ave	0.5444	0.5555		12.8	12.5	2.0	20.0
Methyl methanesulfonate	Ave	0.6643	0.7222		13.6	12.5	8.7	20.0
N-Nitrosodiethylamine	Ave	0.5351	0.5386		12.6	12.5	0.6	20.0
Ethyl methanesulfonate	Ave	0.6423	0.6462		12.6	12.5	0.6	20.0
Benzaldehyde	Ave	1.048	1.043	0.0100	12.4	12.5	-0.5	20.0
Phenol	Ave	1.531	1.746	0.8000	14.3	12.5	14.1	20.0
Aniline	Ave	1.854	1.938		13.1	12.5	4.5	20.0
Bis(2-chloroethyl)ether	Ave	1.278	1.335	0.7000	13.0	12.5	4.4	20.0
2-Chlorophenol	Ave	1.292	1.313	0.8000	12.7	12.5	1.7	20.0
1,3-Dichlorobenzene	Ave	1.535	1.525		12.4	12.5	-0.7	20.0
1,4-Dichlorobenzene	Ave	1.550	1.544		12.5	12.5	-0.4	20.0
Benzyl alcohol	Ave	0.8235	0.7945		12.1	12.5	-3.5	20.0
1,2-Dichlorobenzene	Ave	1.483	1.488		12.5	12.5	0.3	20.0
2-Methylphenol	Ave	1.126	1.141	0.7000	12.7	12.5	1.3	20.0
bis(1-chloroispropyl)ether	Ave	1.469	1.522	0.0100	13.0	12.5	3.6	20.0
N-Nitrosopyrrolidine	Ave	0.5727	0.5894		12.9	12.5	2.9	20.0
Acetophenone	Ave	1.940	1.878	0.0100	12.1	12.5	-3.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.9103	0.9056	0.5000	12.4	12.5	-0.5	20.0
N-Nitrosomorpholine	Ave	0.6986	0.7367		13.2	12.5	5.5	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.203	1.294	0.6000	13.4	12.5	7.5	20.0
2-Toluidine	Ave	1.878	1.975		13.1	12.5	5.2	20.0
Hexachloroethane	Ave	0.6233	0.6258	0.3000	12.5	12.5	0.4	20.0
Nitrobenzene	Ave	0.3591	0.3701	0.2000	12.9	12.5	3.1	20.0
N-Nitrosopiperidine	Ave	0.1465	0.1533		13.1	12.5	4.6	20.0
Isophorone	Ave	0.6077	0.6271	0.4000	12.9	12.5	3.2	20.0
2-Nitrophenol	Ave	0.1671	0.1712	0.1000	12.8	12.5	2.4	20.0
2,4-Dimethylphenol	Ave	0.3285	0.3215	0.2000	12.2	12.5	-2.1	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1791	0.1805		12.6	12.5	0.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.3936	0.4084	0.3000	13.0	12.5	3.7	20.0
2,4-Dichlorophenol	Ave	0.2877	0.2804	0.2000	12.2	12.5	-2.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3397	0.3474		12.8	12.5	2.2	20.0
Naphthalene	Ave	1.034	1.060	0.7000	12.8	12.5	2.5	20.0
a-Terpineol	Ave	0.2475	0.2568		13.0	12.5	3.8	20.0
4-Chloroaniline	Ave	0.4239	0.4192	0.0100	12.4	12.5	-1.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-653692/2 Calibration Date: 06/05/2025 21:20

Instrument ID: HP18831 Calib Start Date: 05/01/2025 09:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/01/2025 12:22

Lab File ID: HF0551.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dichlorophenol	Ave	0.2939	0.2980		12.7	12.5	1.4	20.0
Hexachloropropene	Ave	0.2036	0.2139		13.1	12.5	5.0	20.0
Hexachlorobutadiene	Ave	0.2034	0.2077	0.0100	12.8	12.5	2.1	20.0
Quinoline	Ave	0.6521	0.6525		12.5	12.5	0.0	20.0
Caprolactam	Ave	0.0900	0.0817	0.0100	11.3	12.5	-9.2	20.0
N-Nitrosodi-n-butylamine	Ave	0.2195	0.2271		12.9	12.5	3.5	20.0
1,4-phenylenediamine	Ave	0.3217	0.2918			12.5	-9.3	20.0
4-Chloro-3-methylphenol	Ave	0.2690	0.2711	0.2000	12.6	12.5	0.8	20.0
Safrole, Total	Ave	0.2648	0.2630		12.4	12.5	-0.7	20.0
2-Methylnaphthalene	Ave	0.6150	0.6318	0.4000	12.8	12.5	2.7	20.0
1-Methylnaphthalene	Ave	0.6458	0.6591		12.8	12.5	2.1	20.0
Hexachlorocyclopentadiene	Ave	0.4207	0.4374	0.0500	13.0	12.5	4.0	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5968	0.6255	0.0100	13.1	12.5	4.8	20.0
Isosafrole Peak 1	Ave	0.5227	0.4473		1.71	2.00	-14.4	20.0
2,4,6-Trichlorophenol	Ave	0.3877	0.3877	0.2000	12.5	12.5	0.0	20.0
2,4,5-Trichlorophenol	Ave	0.4170	0.4078	0.2000	12.2	12.5	-2.2	20.0
Isosafrole Peak 2	Ave	0.5549	0.5694		10.8	10.5	2.6	20.0
1,1'-Biphenyl	Ave	1.522	1.540	0.0100	12.7	12.5	1.2	20.0
2-Chloronaphthalene	Ave	1.188	1.338	0.8000	14.1	12.5	12.6	20.0
1-Chloronaphthalene	Ave	1.108	1.040		11.7	12.5	-6.1	20.0
Diphenyl ether	Ave	0.8787	0.8711		12.4	12.5	-0.9	20.0
2-Nitroaniline	Ave	0.3424	0.3397	0.0100	12.4	12.5	-0.8	20.0
1,4-Naphthoquinone	Ave	0.3952	0.4143		13.1	12.5	4.8	20.0
1,4-Dinitrobenzene	Ave	0.1620	0.1758		13.6	12.5	8.5	20.0
Dimethyl phthalate	Ave	1.343	1.318	0.0100	12.3	12.5	-1.8	20.0
1,3-Dinitrobenzene	Ave	0.2046	0.2093		12.8	12.5	2.3	20.0
2,6-Dinitrotoluene	Ave	0.2725	0.2838	0.2000	13.0	12.5	4.2	20.0
Acenaphthylene	Ave	1.793	1.829	0.9000	12.8	12.5	2.0	20.0
3-Nitroaniline	Ave	0.3175	0.3244	0.0100	12.8	12.5	2.2	20.0
Acenaphthene	Ave	1.215	1.240	0.9000	12.8	12.5	2.0	20.0
2,4-Dinitrophenol	Lin2		0.1670	0.0100	22.4	25.0	-10.4	20.0
Pentachlorobenzene	Ave	0.5310	0.5661		13.3	12.5	6.6	20.0
4-Nitrophenol	Ave	0.1734	0.1950	0.0100	28.1	25.0	12.4	20.0
2,4-Dinitrotoluene	Ave	0.3713	0.4054	0.2000	13.7	12.5	9.2	20.0
Dibenzofuran	Ave	1.705	1.731	0.8000	12.7	12.5	1.5	20.0
1-Naphthylamine	Ave	1.083	1.155		13.3	12.5	6.6	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3459	0.3589	0.0100	13.0	12.5	3.8	20.0
2-Naphthylamine	Ave	1.157	1.178		12.7	12.5	1.8	20.0
Diethyl phthalate	Ave	1.315	1.300	0.0100	12.4	12.5	-1.2	20.0
Thionazin	Ave	0.1867	0.1780		11.9	12.5	-4.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-653692/2 Calibration Date: 06/05/2025 21:20

Instrument ID: HP18831 Calib Start Date: 05/01/2025 09:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/01/2025 12:22

Lab File ID: HF0551.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluorene	Ave	1.373	1.389	0.9000	12.7	12.5	1.2	20.0
4-Chlorophenyl-phenyl ether	Ave	0.6721	0.6932	0.4000	12.9	12.5	3.1	20.0
5-Nitro-o-toluidine	Ave	0.3419	0.3676		13.4	12.5	7.5	20.0
4-Nitroaniline	Ave	0.3400	0.3285	0.0100	12.1	12.5	-3.4	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1238	0.1345	0.0100	27.2	25.0	8.6	20.0
N-Nitrosodiphenylamine	Ave	0.5788	0.5866	0.0100	10.8	10.6	1.3	20.0
1,2-Diphenylhydrazine	Ave	0.6646	0.7661		14.4	12.5	15.3	20.0
Sulfotepp	Ave	0.1022	0.1206		14.7	12.5	18.0	20.0
1,3,5-Trinitrobenzene	Ave	0.0613	0.0697			12.5	13.8	20.0
cis-Diallate	Ave	0.2676	0.2637		9.11	9.25	-1.5	20.0
Phorate	Ave	0.3382	0.4100		15.2	12.5	21.2*	20.0
Phenacetin	Ave	0.2871	0.3046		13.3	12.5	6.1	20.0
4-Bromophenyl-phenylether	Ave	0.2084	0.2200	0.1000	13.2	12.5	5.5	20.0
trans-Diallate	Ave	0.2536	0.2672		3.42	3.25	5.4	20.0
Hexachlorobenzene	Ave	0.2582	0.2717	0.1000	13.2	12.5	5.2	20.0
Dimethoate	Ave	0.2073	0.2258		13.6	12.5	8.9	20.0
Atrazine	Ave	0.1897	0.2031	0.0100	13.4	12.5	7.1	20.0
4-Aminobiphenyl	Ave	0.7679	0.7703		12.5	12.5	0.3	20.0
Pentachlorophenol	Ave	0.1574	0.1699	0.0500	27.0	25.0	7.9	20.0
Pentachloronitrobenzene	Ave	0.0911	0.1044		14.3	12.5	14.5	20.0
Pronamide	Ave	0.2895	0.3133		13.5	12.5	8.2	20.0
Dinoseb	Lin1		0.1695		12.2	12.5	-2.2	20.0
Disulfoton	Ave	0.3518	0.3998		14.2	12.5	13.7	20.0
Phenanthrene	Ave	1.056	1.081	0.7000	12.8	12.5	2.3	20.0
Anthracene	Ave	1.038	1.099	0.7000	13.2	12.5	5.9	20.0
Carbazole	Ave	0.9423	1.004	0.0100	13.3	12.5	6.6	20.0
Methyl parathion	Ave	0.1808	0.1917		13.3	12.5	6.0	20.0
Di-n-butyl phthalate	Ave	1.042	1.037	0.0100	12.4	12.5	-0.5	20.0
Parathion	Ave	0.1094	0.1116		12.8	12.5	2.0	20.0
4-Nitroquinoline-1-oxide	Lin2		0.0607		9.70	12.5	-22.4*	20.0
Octachlorostyrene	Ave	0.1013	0.1083		13.4	12.5	6.8	20.0
Isodrin	Ave	0.1186	0.1181		12.4	12.5	-0.4	20.0
Fluoranthene	Ave	1.082	1.196	0.6000	13.8	12.5	10.6	20.0
Benzidine	Ave	0.7595	0.8549		42.2	37.5	12.6	20.0
Pyrene	Ave	1.237	1.257	0.6000	12.7	12.5	1.6	20.0
p-Dimethylamino azobenzene	Ave	0.1970	0.1890		12.0	12.5	-4.1	20.0
Chlorobenzilate	Ave	0.2988	0.2993		12.5	12.5	0.1	20.0
3,3'-Dimethylbenzidine	Ave	0.5634	0.5802		12.9	12.5	3.0	20.0
Butylbenzylphthalate	Ave	0.4708	0.4735	0.0100	12.6	12.5	0.6	20.0
2-Acetylaminofluorene	Ave	0.3573	0.3285		11.5	12.5	-8.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-653692/2 Calibration Date: 06/05/2025 21:20

Instrument ID: HP18831 Calib Start Date: 05/01/2025 09:34

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/01/2025 12:22

Lab File ID: HF0551.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	Ave	0.4736	0.4860	0.0100	12.8	12.5	2.6	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.1966	0.2151		13.7	12.5	9.4	20.0
Benzo[a]anthracene	Ave	1.062	1.194	0.8000	14.0	12.5	12.4	20.0
Chrysene	Ave	1.066	1.175	0.7000	13.8	12.5	10.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6903	0.6590	0.0100	11.9	12.5	-4.5	20.0
6-Methylchrysene	Ave	0.6911	0.7850		14.2	12.5	13.6	20.0
Di-n-octyl phthalate	Lin1		0.9581	0.0100	9.54	12.5	-23.7*	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5096	0.5407		13.3	12.5	6.1	20.0
Benzo[b]fluoranthene	Ave	1.185	1.342	0.7000	14.2	12.5	13.2	20.0
Benzo[k]fluoranthene	Ave	1.249	1.320	0.7000	13.2	12.5	5.7	20.0
Benzo[a]pyrene	Ave	1.071	1.151	0.7000	13.4	12.5	7.5	20.0
3-Methylcholanthrene	Ave	0.5306	0.5491		12.9	12.5	3.5	20.0
Dibenz[a,h]acridine	Ave	0.7449	0.8848		14.8	12.5	18.8	20.0
Dibenz[a,j]acridine	Ave	0.8749	1.031		14.7	12.5	17.9	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9802	1.124	0.5000	14.3	12.5	14.7	20.0
Dibenz(a,h)anthracene	Ave	1.030	1.239	0.4000	15.0	12.5	20.3*	20.0
Benzo[g,h,i]perylene	Ave	1.011	1.185	0.5000	14.6	12.5	17.2	20.0
2-Fluorophenol (Surr)	Ave	1.226	1.267		25.8	25.0	3.4	20.0
Phenol-d5 (Surr)	Ave	1.497	1.572		26.3	25.0	5.0	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3427	0.3810		27.8	25.0	11.2	20.0
2-Fluorobiphenyl (Surr)	Ave	1.444	1.522		26.4	25.0	5.4	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2619	0.2848		27.2	25.0	8.8	20.0
p-Terphenyl-d14 (Surr)	Ave	0.8474	0.9285		27.4	25.0	9.6	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0551.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 05-Jun-2025 21:20:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: IR93211 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub63

Method: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 13:50:03 Calib Date: 05-Jun-2025 22:10:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0553.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: N5QU Date: 05-Jun-2025 22:10:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.016	2.016	0.000	94	172567	12.5	12.3	
2 N-Nitrosodimethylamine	74	2.198	2.198	0.000	90	261694	12.5	12.2	
3 Pyridine	79	2.234	2.234	0.000	97	901064	25.0	25.9	
4 Dimethylformamide	73	2.475	2.475	0.000	93	255119	12.5	12.1	
5 2-Picoline	93	2.734	2.734	0.000	96	462832	12.5	13.3	
6 N-Nitrosomethylethylamine	88	2.798	2.798	0.000	97	193277	12.5	12.8	
9 Methyl methanesulfonate	80	3.034	3.034	0.000	86	251264	12.5	13.6	
$ 10 2-Fluorophenol	112	3.198	3.198	0.000	91	881736	25.0	25.8	
11 N-Nitrosodiethylamine	102	3.369	3.369	0.000	94	187384	12.5	12.6	
13 Ethyl methanesulfonate	109	3.628	3.628	0.000	98	224828	12.5	12.6	
15 Benzaldehyde	77	3.945	3.945	0.000	97	362845	12.5	12.4	
$ 16 Phenol-d5	99	4.022	4.022	0.000	99	1094109	25.0	26.3	
17 Phenol	94	4.034	4.034	0.000	97	607570	12.5	14.3	
18 Aniline	93	4.045	4.045	0.000	97	674287	12.5	13.1	
19 Bis(2-chloroethyl)ether	93	4.098	4.098	0.000	96	464355	12.5	13.0	
20 2-Chlorophenol	128	4.163	4.163	0.000	96	456917	12.5	12.7	
22 1,3-Dichlorobenzene	146	4.304	4.304	0.000	98	530664	12.5	12.4	
* 23 1,4-Dichlorobenzene-d4	152	4.357	4.357	0.000	94	139166	5.00	5.00	
24 1,4-Dichlorobenzene	146	4.369	4.369	0.000	94	537289	12.5	12.5	
26 Benzyl alcohol	108	4.487	4.487	0.000	92	276415	12.5	12.1	a
27 1,2-Dichlorobenzene	146	4.516	4.516	0.000	97	517625	12.5	12.5	
30 2-Methylphenol	108	4.604	4.604	0.000	96	396898	12.5	12.7	a
32 2,2'-oxybis[1-chloropropane]	45	4.610	4.610	0.000	93	529602	12.5	13.0	
33 N-Nitrosopyrrolidine	100	4.710	4.710	0.000	91	205067	12.5	12.9	
35 N-Nitrosodi-n-propylamine	70	4.739	4.739	0.000	72	315060	12.5	12.4	
34 Acetophenone	105	4.739	4.739	0.000	92	653298	12.5	12.1	
37 N-Nitrosomorpholine	56	4.751	4.751	0.000	93	256297	12.5	13.2	
36 4-Methylphenol	108	4.757	4.757	0.000	97	450090	12.5	13.4	
38 2-Toluidine	106	4.775	4.775	0.000	98	687223	12.5	13.1	
40 Hexachloroethane	117	4.845	4.845	0.000	92	217718	12.5	12.5	
$ 41 Nitrobenzene-d5	82	4.887	4.887	0.000	89	1011448	25.0	27.8	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 Nitrobenzene	77	4.904	4.904	0.000	87	491223	12.5	12.9	
	43 N-Nitrosopiperidine	114	5.051	5.051	0.000	84	203408	12.5	13.1	
	45 Isophorone	82	5.139	5.139	0.000	99	832343	12.5	12.9	
	46 2-Nitrophenol	139	5.222	5.222	0.000	95	227163	12.5	12.8	
	48 2,4-Dimethylphenol	107	5.275	5.275	0.000	95	426688	12.5	12.2	
	49 o,o',o''-Triethylphosphorothioat	198	5.334	5.334	0.000	81	239568	12.5	12.6	
	51 Bis(2-chloroethoxy)methane	93	5.357	5.357	0.000	99	541998	12.5	13.0	
	52 2,4-Dichlorophenol	162	5.475	5.475	0.000	94	372213	12.5	12.2	
	53 1,2,4-Trichlorobenzene	180	5.539	5.539	0.000	94	461032	12.5	12.8	
*	54 Naphthalene-d8	136	5.598	5.598	0.000	99	530889	5.00	5.00	a
	55 Naphthalene	128	5.622	5.622	0.000	97	1406544	12.5	12.8	
	29 Alpha-Terpineol	59	5.634	5.634	0.000	94	340809	12.5	13.0	
	57 4-Chloroaniline	127	5.675	5.675	0.000	97	556328	12.5	12.4	
	58 2,6-Dichlorophenol	162	5.686	5.686	0.000	97	395466	12.5	12.7	
	59 Hexachloropropene	213	5.710	5.710	0.000	88	283889	12.5	13.1	
	60 Hexachlorobutadiene	225	5.745	5.745	0.000	96	275611	12.5	12.8	
	62 Quinoline	129	5.951	5.951	0.000	97	866053	12.5	12.5	
	63 Caprolactam	113	5.992	5.992	0.000	81	108497	12.5	11.3	
	64 N-Nitrosodi-n-butylamine	84	6.010	6.010	0.000	92	301425	12.5	12.9	
	39 p-Phenylene diamine	108	6.028	6.028	0.000	97	387256	12.5	11.3	
	66 4-Chloro-3-methylphenol	107	6.181	6.181	0.000	94	359785	12.5	12.6	
	67 Safrole, Total	162	6.228	6.228	0.000	92	349076	12.5	12.4	
	68 2-Methylnaphthalene	142	6.310	6.310	0.000	92	838517	12.5	12.8	
	69 1-Methylnaphthalene	142	6.404	6.404	0.000	93	874729	12.5	12.8	
	71 Hexachlorocyclopentadiene	237	6.469	6.469	0.000	96	334284	12.5	13.0	
	72 1,2,4,5-Tetrachlorobenzene	216	6.475	6.475	0.000	97	478045	12.5	13.1	
	73 Isosafrole Peak 1	162	6.516	6.516	0.000	92	54695	2.00	1.71	
	74 2,4,6-Trichlorophenol	196	6.598	6.598	0.000	94	296304	12.5	12.5	
	75 2,4,5-Trichlorophenol	196	6.651	6.651	0.000	93	311697	12.5	12.2	
$	76 2-Fluorobiphenyl (Surr)	172	6.675	6.675	0.000	100	2326947	25.0	26.4	
	77 Isosafrole Peak 2	162	6.739	6.739	0.000	95	365569	10.5	10.8	
	78 1,1'-Biphenyl	154	6.775	6.775	0.000	95	1177140	12.5	12.7	
	79 2-Chloronaphthalene	162	6.792	6.792	0.000	96	1022250	12.5	14.1	M
	80 1-Chloronaphthalene	162	6.810	6.810	0.000	99	795117	12.5	11.7	Ma
	81 Phenyl ether	170	6.881	6.881	0.000	87	665771	12.5	12.4	
	82 2-Nitroaniline	138	6.892	6.892	0.000	87	259613	12.5	12.4	
	84 1,4-Naphthoquinone	158	6.963	6.963	0.000	90	316605	12.5	13.1	
	85 1,4-Dinitrobenzene	168	7.033	7.033	0.000	91	134333	12.5	13.6	
	86 Dimethyl phthalate	163	7.080	7.080	0.000	99	1007554	12.5	12.3	
	87 1,3-Dinitrobenzene	168	7.104	7.104	0.000	87	159940	12.5	12.8	
	88 2,6-Dinitrotoluene	165	7.133	7.133	0.000	95	216914	12.5	13.0	
	89 Acenaphthylene	152	7.198	7.198	0.000	98	1397804	12.5	12.8	
	90 3-Nitroaniline	138	7.298	7.298	0.000	95	247912	12.5	12.8	
*	91 Acenaphthene-d10	164	7.339	7.339	0.000	94	305705	5.00	5.00	
	93 Acenaphthene	153	7.369	7.369	0.000	96	947400	12.5	12.8	
	94 2,4-Dinitrophenol	184	7.404	7.404	0.000	87	255269	25.0	22.4	
	96 Pentachlorobenzene	250	7.504	7.504	0.000	98	432640	12.5	13.3	
	95 4-Nitrophenol	109	7.516	7.516	0.000	93	298009	25.0	28.1	
	98 2,4-Dinitrotoluene	165	7.533	7.533	0.000	93	309851	12.5	13.7	
	97 Dibenzofuran	168	7.539	7.539	0.000	97	1322786	12.5	12.7	
	99 1-Naphthylamine	143	7.622	7.622	0.000	98	882762	12.5	13.3	
	101 2,3,4,6-Tetrachlorophenol	232	7.669	7.669	0.000	72	274305	12.5	13.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
103 2-Naphthylamine	143	7.698	7.698	0.000	97	900664	12.5	12.7	
104 Diethyl phthalate	149	7.775	7.775	0.000	98	993209	12.5	12.4	
106 Thionazin	107	7.857	7.857	0.000	79	136012	12.5	11.9	
105 Fluorene	166	7.880	7.880	0.000	92	1061709	12.5	12.7	
108 4-Chlorophenyl phenyl ether	204	7.886	7.886	0.000	92	529756	12.5	12.9	
107 N-Nitro-o-toluidine	152	7.892	7.892	0.000	94	280969	12.5	13.4	
109 4-Nitroaniline	138	7.898	7.898	0.000	85	251097	12.5	12.1	
110 4,6-Dinitro-2-methylphenol	198	7.928	7.928	0.000	86	383734	25.0	27.2	
111 N-Nitrosodiphenylamine	169	7.998	7.998	0.000	65	711492	10.6	10.8	
112 1,2-Diphenylhydrazine	77	8.039	8.039	0.000	98	1093198	12.5	14.4	
$ 113 2,4,6-Tribromophenol	330	8.122	8.122	0.000	94	435382	25.0	27.2	
114 Sulfotepp	97	8.163	8.163	0.000	84	172114	12.5	14.7	
172 1,3,5-Trinitrobenzene	213	8.263	8.263	0.000	84	99515	12.5	14.2	
115 cis-Diallate	86	8.286	8.286	0.000	83	278430	9.25	9.11	
116 Phorate	75	8.292	8.292	0.000	95	585147	12.5	15.2	
117 Phenacetin	108	8.304	8.304	0.000	94	434603	12.5	13.3	
118 4-Bromophenyl phenyl ether	248	8.363	8.363	0.000	67	313891	12.5	13.2	
119 trans-Diallate	86	8.375	8.375	0.000	95	99129	3.25	3.42	
120 Hexachlorobenzene	284	8.422	8.422	0.000	96	387702	12.5	13.2	
121 Dimethoate	87	8.457	8.457	0.000	91	322159	12.5	13.6	
122 Atrazine	200	8.527	8.527	0.000	94	289830	12.5	13.4	
125 4-Aminobiphenyl	169	8.622	8.622	0.000	90	1099308	12.5	12.5	
123 Pentachlorophenol	266	8.622	8.622	0.000	74	484800	25.0	27.0	
124 Pentachloronitrobenzene	237	8.627	8.627	0.000	88	148920	12.5	14.3	
126 Pronamide	173	8.680	8.680	0.000	90	447062	12.5	13.5	
128 Dinoseb	211	8.798	8.798	0.000	95	241875	12.5	12.2	
* 127 Phenanthrene-d10	188	8.804	8.804	0.000	97	570811	5.00	5.00	
70 Disulfoton	88	8.810	8.810	0.000	96	570580	12.5	14.2	
129 Phenanthrene	178	8.822	8.822	0.000	98	1542287	12.5	12.8	
130 Anthracene	178	8.874	8.874	0.000	97	1567753	12.5	13.2	
131 Carbazole	167	9.039	9.039	0.000	96	1433327	12.5	13.3	
S 56 Dinitrotoluene	165				0		25.0	26.7	
132 Methyl parathion	109	9.174	9.174	0.000	93	273493	12.5	13.3	
133 Di-n-butyl phthalate	149	9.386	9.386	0.000	100	1479803	12.5	12.4	
134 Ethyl Parathion	109	9.557	9.557	0.000	86	159220	12.5	12.8	
135 4-Nitroquinoline-1-oxide	190	9.586	9.586	0.000	82	86604	12.5	9.70	
S 65 Diallate	86				0		12.5	12.5	
136 Octachlorostyrene	308	9.804	9.804	0.000	92	154476	12.5	13.4	
137 Isodrin	193	9.845	9.845	0.000	92	168505	12.5	12.4	
138 Fluoranthene	202	9.992	9.992	0.000	97	1707211	12.5	13.8	
139 Benzidine	184	10.127	10.127	0.000	99	3777931	37.5	42.2	
* 140 Pyrene-d10 (IS)	212	10.198	10.198	0.000	99	589237	5.00	5.00	
141 Pyrene	202	10.216	10.216	0.000	98	1851488	12.5	12.7	
$ 142 p-Terphenyl-d14	244	10.380	10.380	0.000	100	2735660	25.0	27.4	
143 p-Dimethylamino azobenzene	225	10.527	10.527	0.000	91	278420	12.5	12.0	
144 Chlorobenzilate	139	10.580	10.580	0.000	94	440844	12.5	12.5	
145 3,3'-Dimethylbenzidine	212	10.898	10.898	0.000	98	854644	12.5	12.9	
146 Butyl benzyl phthalate	149	10.921	10.921	0.000	97	697463	12.5	12.6	
147 2-Acetylaminofluorene	181	11.192	11.192	0.000	93	483970	12.5	11.5	
149 3,3'-Dichlorobenzidine	252	11.551	11.551	0.000	77	715915	12.5	12.8	
150 4,4'-Methylene bis(2-chloroanil	231	11.557	11.557	0.000	96	316793	12.5	13.7	
148 Benzo[a]anthracene	228	11.574	11.574	0.000	98	1758597	12.5	14.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
151 Chrysene	228	11.621	11.621	0.000	96	1731269	12.5	13.8	
152 Bis(2-ethylhexyl) phthalate	149	11.645	11.645	0.000	95	970805	12.5	11.9	
153 6-Methylchrysene	242	12.227	12.227	0.000	98	1156403	12.5	14.2	
154 Di-n-octyl phthalate	149	12.545	12.545	0.000	99	1309108	12.5	9.54	
156 7,12-Dimethylbenz(a)anthracene	256	13.039	13.039	0.000	91	738785	12.5	13.3	
155 Benzo[b]fluoranthene	252	13.045	13.045	0.000	96	1833750	12.5	14.2	
157 Benzo[k]fluoranthene	252	13.086	13.086	0.000	98	1803085	12.5	13.2	
158 Benzo[a]pyrene	252	13.515	13.515	0.000	76	1573184	12.5	13.4	
* 159 Perylene-d12	264	13.592	13.592	0.000	99	546527	5.00	5.00	
160 3-Methylcholanthrene	268	14.033	14.033	0.000	91	750299	12.5	12.9	
161 Dibenz[a,h]acridine	279	14.868	14.868	0.000	90	1208868	12.5	14.8	
162 Dibenz[a,j]acridine	279	14.951	14.951	0.000	96	1409190	12.5	14.7	
163 Indeno[1,2,3-cd]pyrene	276	15.245	15.245	0.000	98	1535702	12.5	14.3	
164 Dibenz(a,h)anthracene	278	15.292	15.292	0.000	90	1692544	12.5	15.0	
165 Benzo[g,h,i]perylene	276	15.715	15.715	0.000	98	1618565	12.5	14.6	
S 166 Isosafrole	162				0		12.5	12.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_6_00066 Amount Added: 1.00 Units: mL

Report Date: 06-Jun-2025 13:50:04 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0551.D

Injection Date: 05-Jun-2025 21:20:30 Instrument ID: HP18831 Operator ID: IR93211

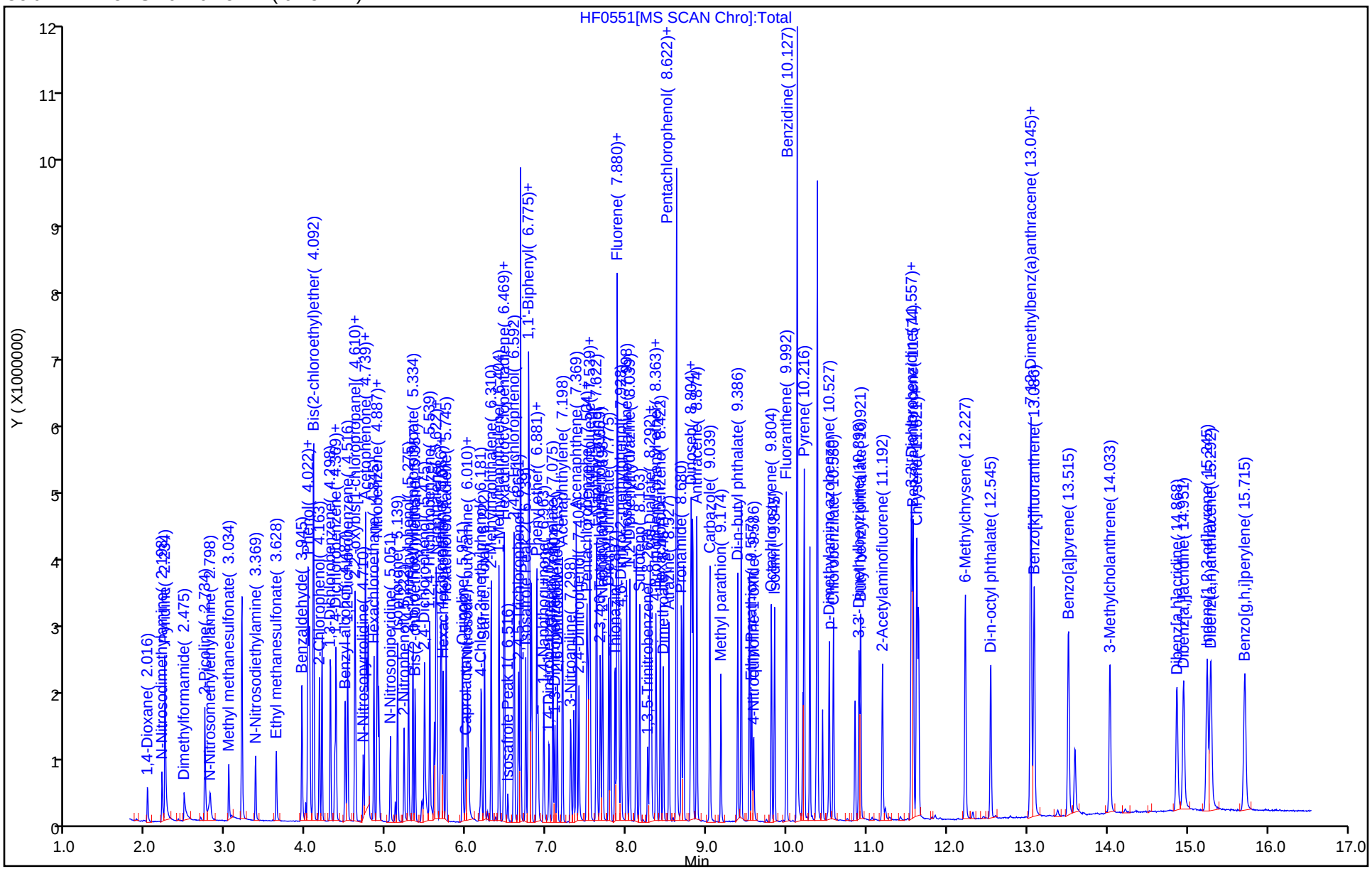
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

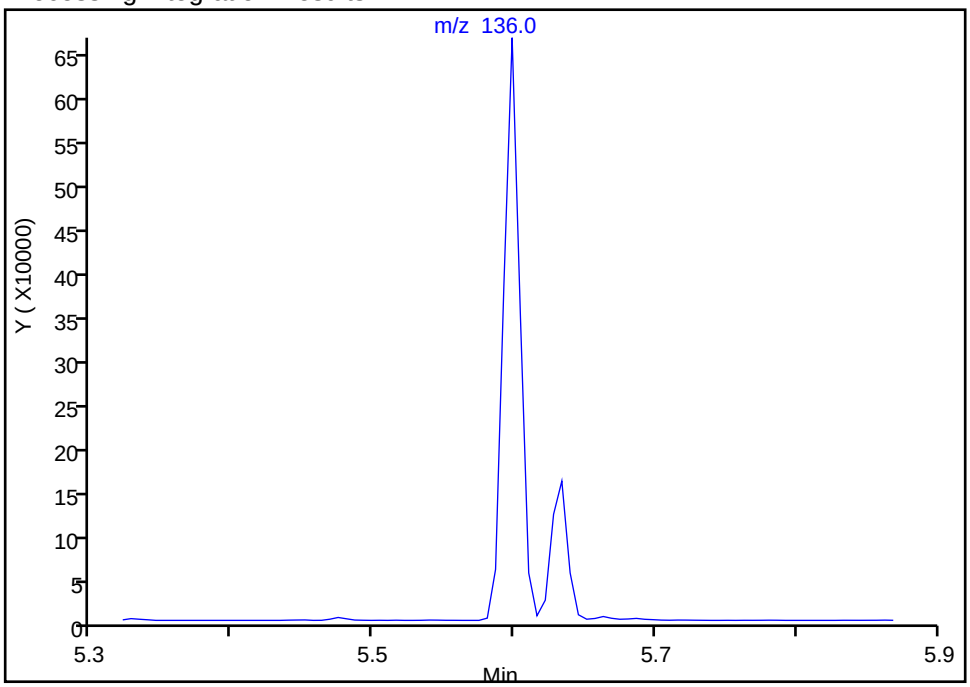
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0551.D
Injection Date: 05-Jun-2025 21:20:30 Instrument ID: HP18831
Lims ID: CCVIS
Client ID:
Operator ID: IR93211 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

* 54 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

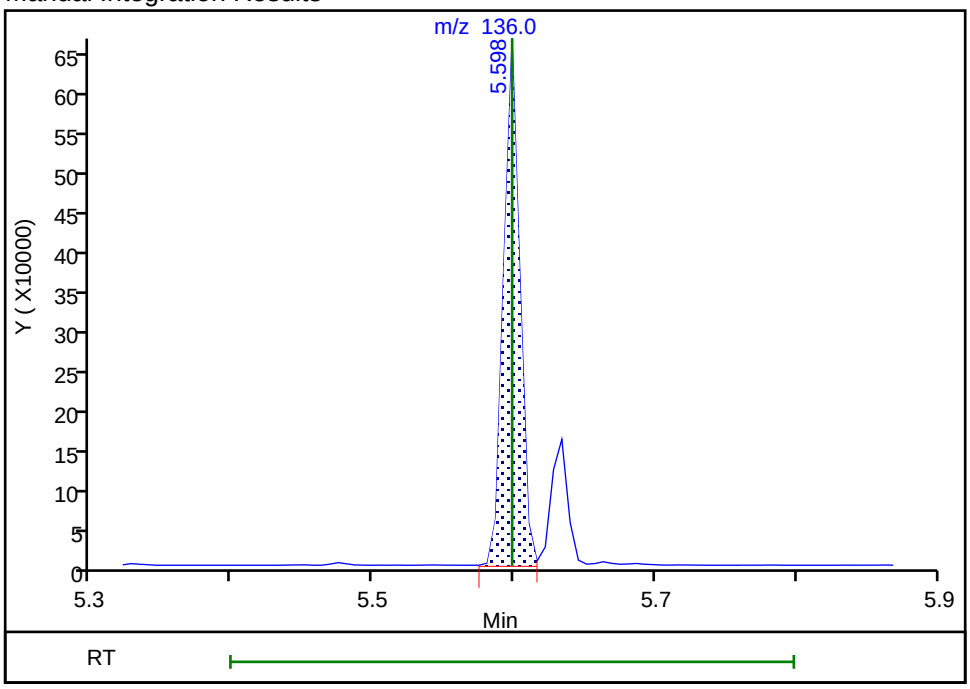
Not Detected
Expected RT: 5.60

Processing Integration Results



Manual Integration Results

RT: 5.60
Area: 530889
Amount: 5.000000
Amount Units: ug/ml



Reviewer: N5QU, 05-Jun-2025 21:44:24 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

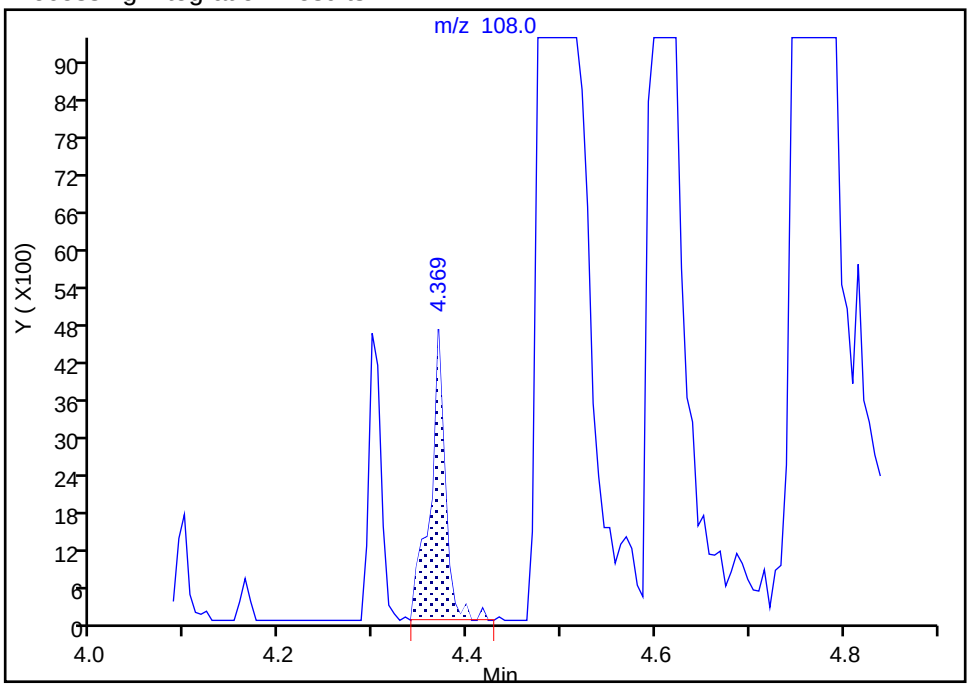
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0551.D				
Injection Date:	05-Jun-2025 21:20:30	Instrument ID:	HP18831		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

26 Benzyl alcohol, CAS: 100-51-6

Signal: 1

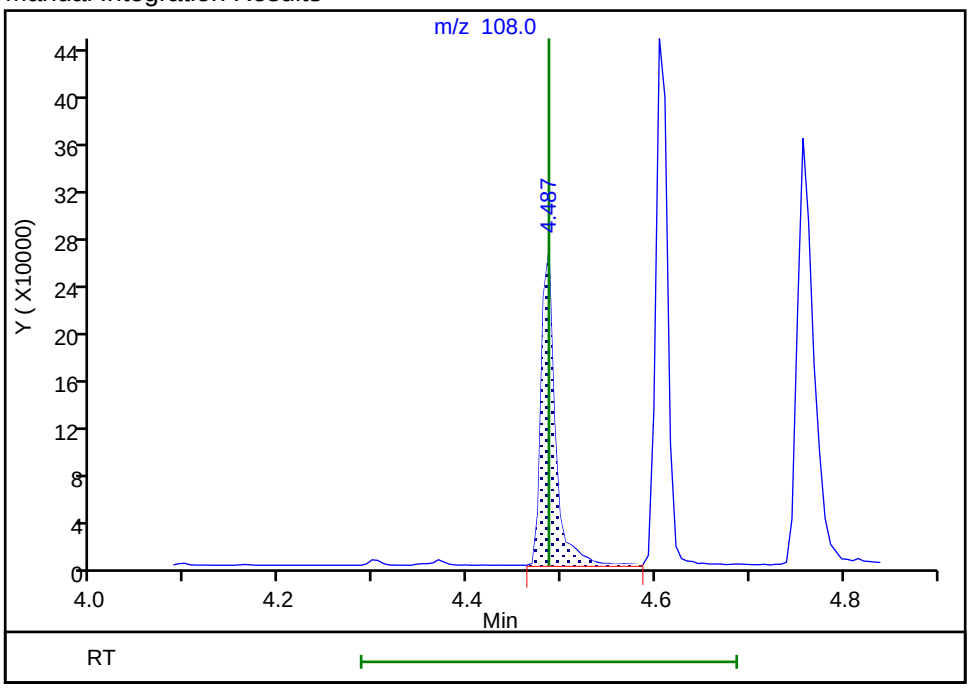
Processing Integration Results

RT: 4.37
Area: 5125
Amount: 0.223599
Amount Units: ug/ml



Manual Integration Results

RT: 4.49
Area: 276415
Amount: 12.059729
Amount Units: ug/ml



Reviewer: N5QU, 05-Jun-2025 21:45:38 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

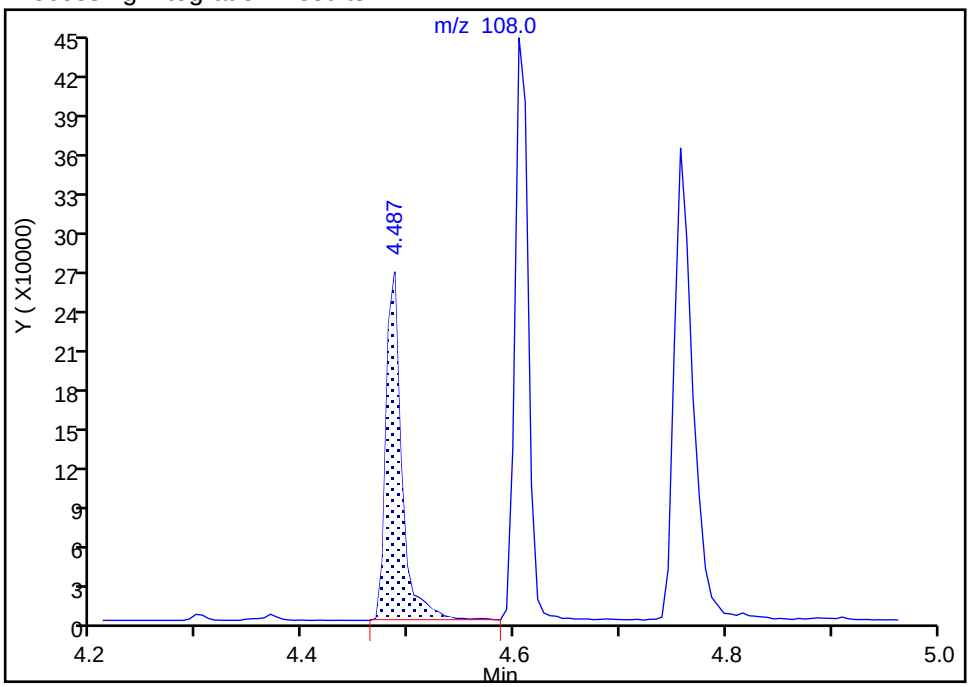
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0551.D				
Injection Date:	05-Jun-2025 21:20:30	Instrument ID:	HP18831		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

30 2-Methylphenol, CAS: 95-48-7

Signal: 1

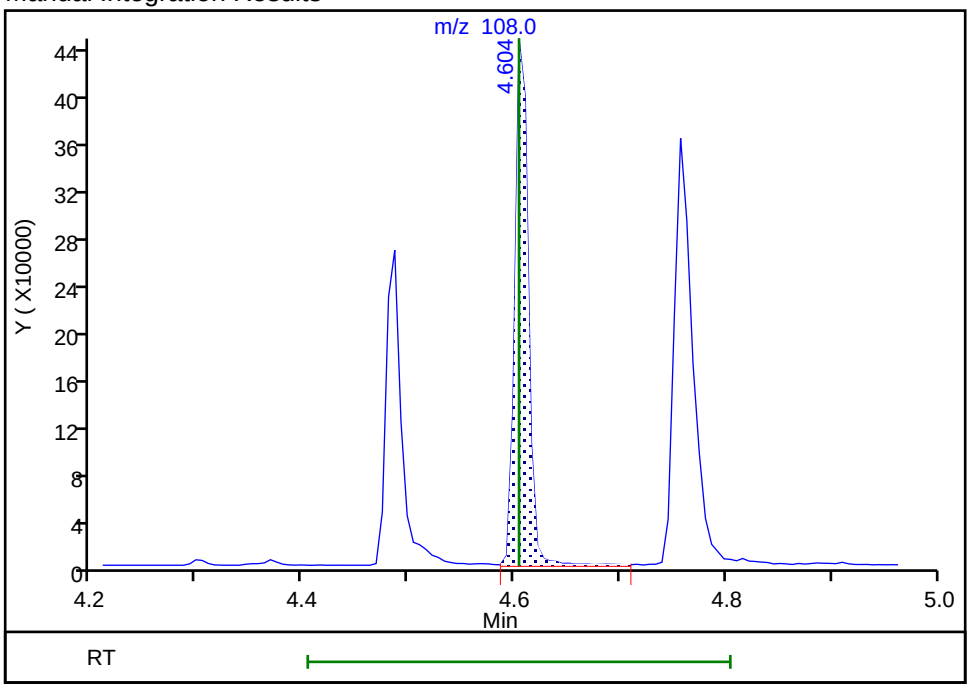
Processing Integration Results

RT: 4.49
Area: 276444
Amount: 8.816967
Amount Units: ug/ml



Manual Integration Results

RT: 4.60
Area: 396898
Amount: 12.658754
Amount Units: ug/ml



Reviewer: N5QU, 05-Jun-2025 21:45:35 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

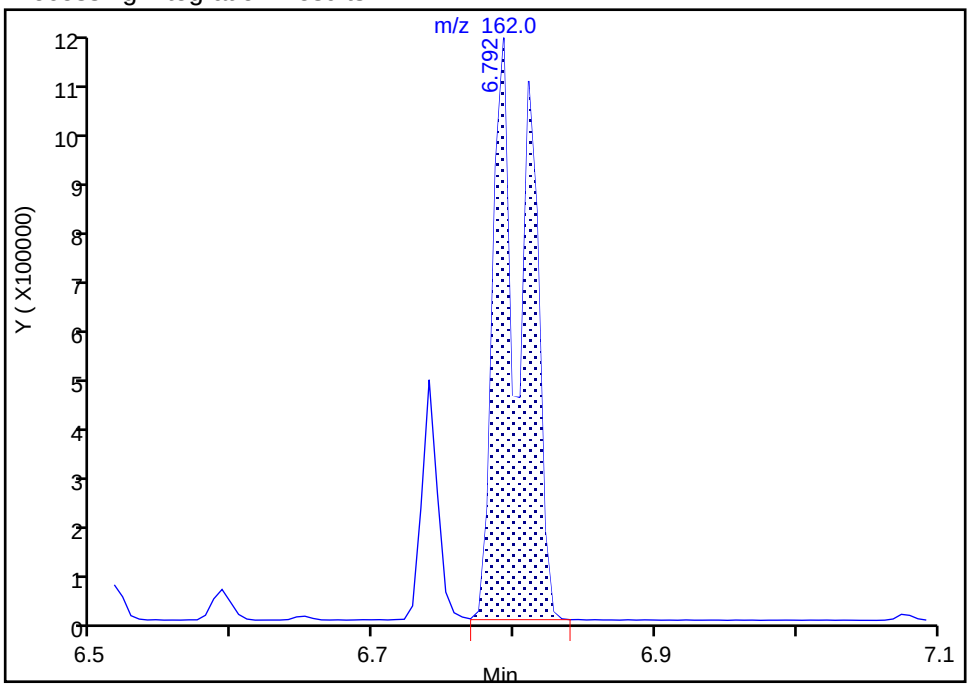
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0551.D				
Injection Date:	05-Jun-2025 21:20:30	Instrument ID:	HP18831		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

79 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

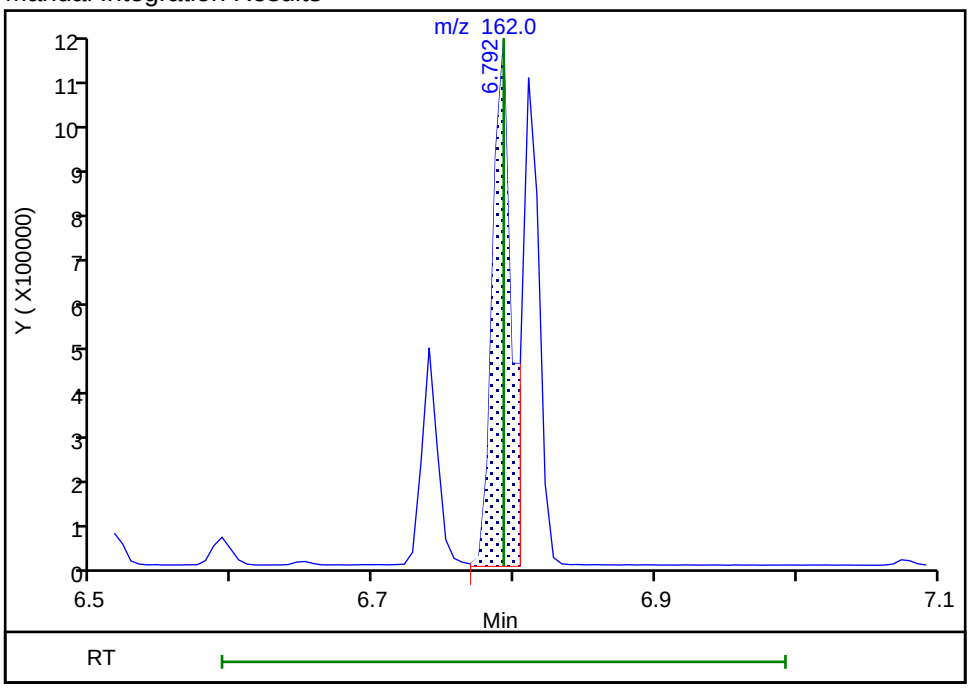
Processing Integration Results

RT: 6.79
Area: 1817374
Amount: 25.020907
Amount Units: ug/ml



Manual Integration Results

RT: 6.79
Area: 1022250
Amount: 14.073945
Amount Units: ug/ml



Reviewer: N5QU, 05-Jun-2025 21:45:45 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

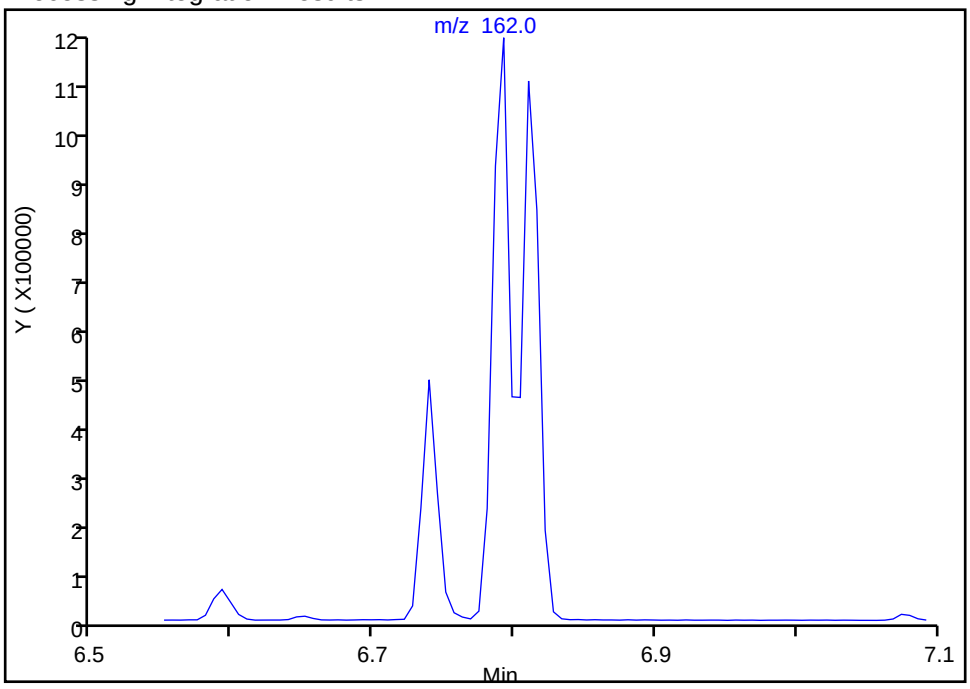
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0551.D				
Injection Date:	05-Jun-2025 21:20:30	Instrument ID:	HP18831		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

80 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

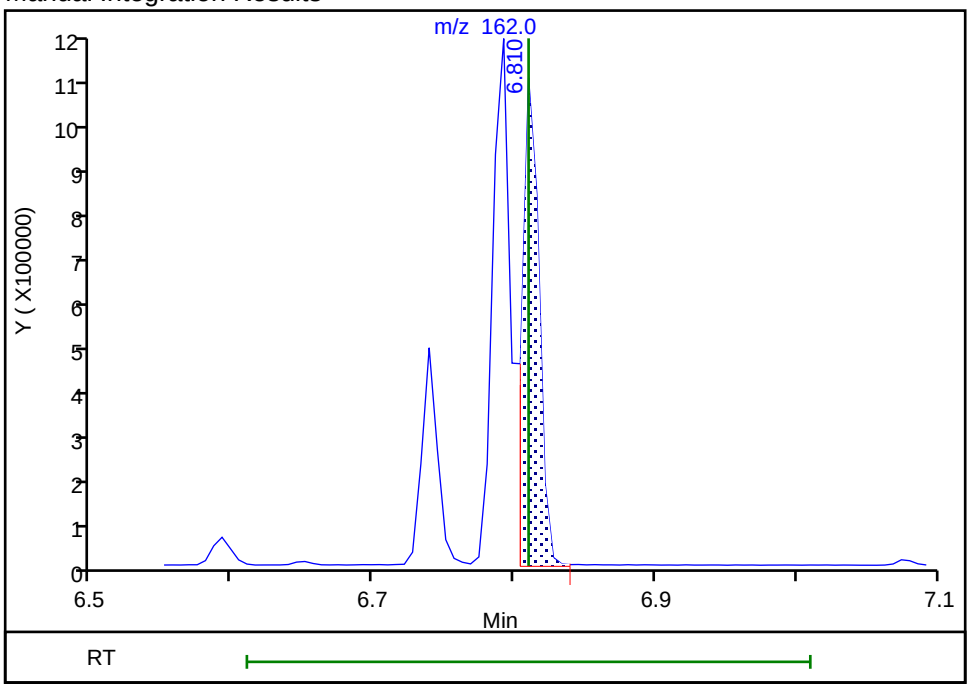
Not Detected
Expected RT: 6.81

Processing Integration Results



Manual Integration Results

RT:	6.81
Area:	795117
Amount:	11.733496
Amount Units:	ug/ml



Reviewer: N5QU, 05-Jun-2025 21:45:52 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-628574/11 Calibration Date: 04/10/2025 00:32

Instrument ID: HP19760 Calib Start Date: 04/09/2025 22:19

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/10/2025 00:10

Lab File ID: DD0960.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzenethiol	Qua2		1.508		14.3	12.5	14.2	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0960.D
Lims ID: ICV BENZ
Client ID:
Sample Type: ICV
Inject. Date: 10-Apr-2025 00:32:50 ALS Bottle#: 10 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV BENZ
Misc. Info.: 410-0143567-011
Operator ID: IR93211 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 10-Apr-2025 10:51:47 Calib Date: 10-Apr-2025 00:10:42
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0959.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: W6ZA Date: 10-Apr-2025 10:28:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
13 Phenylmercaptan	110	4.040	4.040	0.000	98	486753	12.5	14.3	
* 22 1,4-Dichlorobenzene-d4	152	4.413	4.413	0.000	96	129120	5.00	5.00	
* 50 Naphthalene-d8	136	5.625	5.625	0.000	99	461372	5.00	5.00	
* 90 Acenaphthene-d10	164	7.292	7.292	0.000	94	262878	5.00	5.00	
* 126 Phenanthrene-d10	188	8.697	8.697	0.000	97	507028	5.00	5.00	
* 149 Pyrene-d10 (IS)	212	10.049	10.049	0.000	98	510940	5.00	5.00	
* 170 Perylene-d12	264	13.261	13.261	0.000	99	418276	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_rvBENZICV_00016 Amount Added: 1.00 Units: mL

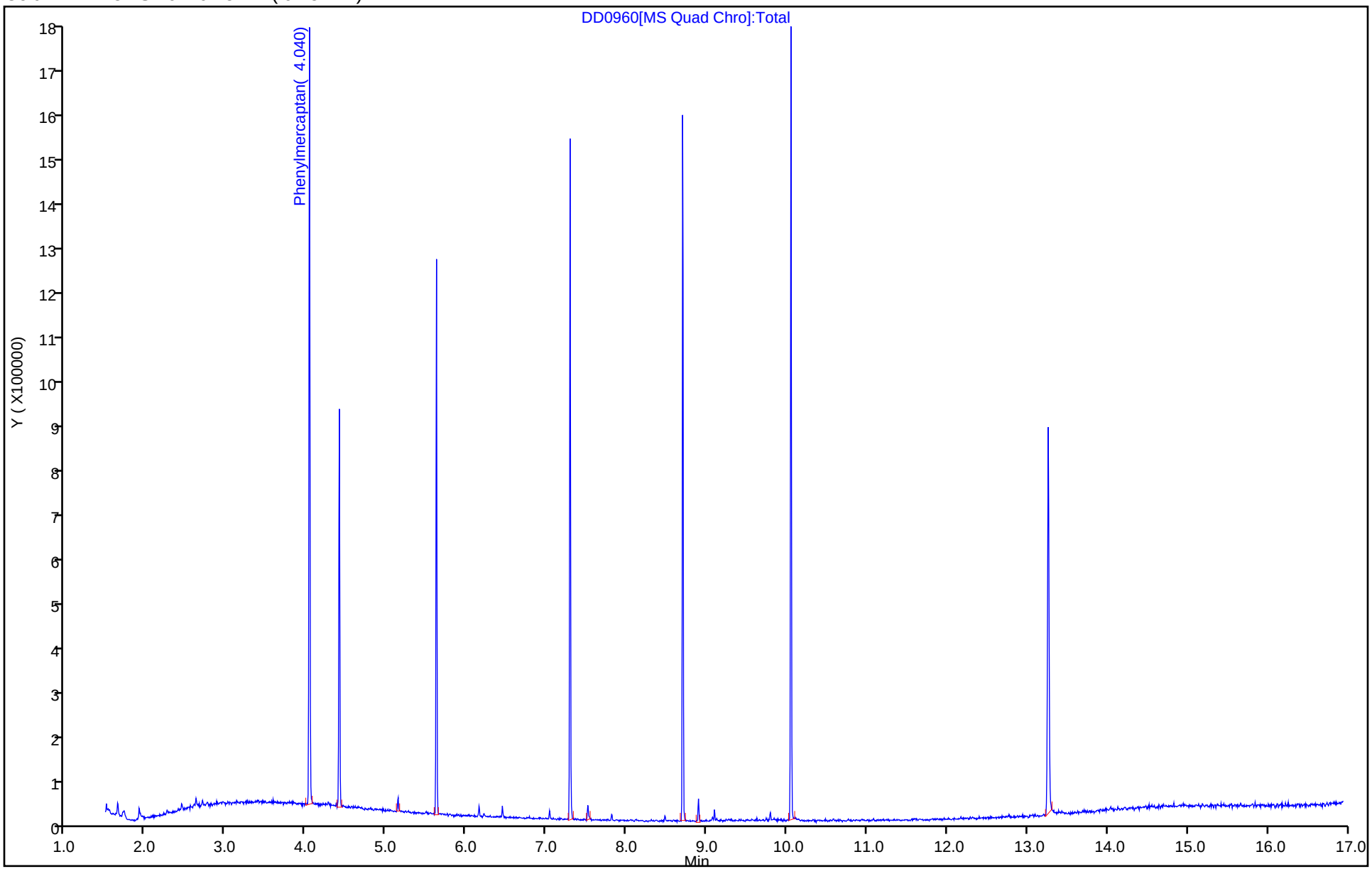
Report Date: 10-Apr-2025 10:54:16 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0960.D

Injection Date:	10-Apr-2025 00:32:50	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	ICV BENZ			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-651088/12 Calibration Date: 05/31/2025 02:04

Instrument ID: HP19760 Calib Start Date: 03/26/2025 23:59

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/27/2025 02:11

Lab File ID: DE3061.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Ave	0.1895				12.5		
Indene	Ave	2.619				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 31-May-2025 02:04:32 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0148877-012
Operator ID: IR93211 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2025 07:02:03 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: W6ZA Date: 02-Jun-2025 07:02:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.608	1.608	0.000	94	233952	12.5	11.4	
3 N-Nitrosodimethylamine	74	1.818	1.818	0.000	95	412231	12.5	12.2	
4 Pyridine	79	1.853	1.859	-0.006	98	1266090	25.0	23.5	
6 Dimethylformamide	73	2.127	2.133	-0.006	94	504806	12.5	12.8	
7 2-Picoline	93	2.424	2.430	-0.006	91	709466	12.5	13.0	
8 N-Nitrosomethylethylamine	88	2.512	2.512	0.000	93	315560	12.5	11.8	
9 Methyl methanesulfonate	80	2.774	2.774	0.000	85	406023	12.5	13.4	
11 N-Nitrosodiethylamine	102	3.141	3.141	0.000	96	319452	12.5	13.4	
12 Ethyl methanesulfonate	109	3.439	3.433	0.006	98	354487	12.5	13.5	
15 Benzaldehyde	77	3.771	3.765	0.006	96	528158	12.5	11.1	
17 Phenol	94	3.847	3.847	0.000	93	904171	12.5	12.9	
18 Aniline	93	3.870	3.870	0.000	96	1060945	12.5	12.3	
19 Bis(2-chloroethyl)ether	93	3.934	3.934	0.000	96	677832	12.5	12.2	
20 2-Chlorophenol	128	3.986	3.987	-0.001	95	565806	12.5	12.6	
21 1,3-Dichlorobenzene	146	4.132	4.132	0.000	95	601415	12.5	12.2	
* 22 1,4-Dichlorobenzene-d4	152	4.190	4.185	0.005	96	168803	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.208	4.202	0.006	91	612821	12.5	12.3	
25 Benzyl alcohol	108	4.319	4.319	0.000	92	437923	12.5	13.0	
26 1,2-Dichlorobenzene	146	4.348	4.348	0.000	94	587593	12.5	12.3	
28 2-Methylphenol	108	4.435	4.430	0.005	94	597410	12.5	12.9	
29 2,2'-oxybis[1-chloropropane]	45	4.453	4.453	0.000	93	851580	12.5	12.0	
14 Indene	115		4.458				ND	ND	U
31 N-Nitrosopyrrolidine	100	4.552	4.552	0.000	92	382371	12.5	14.6	
34 Acetophenone	105	4.575	4.575	0.000	98	984318	12.5	12.7	
33 N-Nitrosodi-n-propylamine	70	4.581	4.575	0.006	83	558597	12.5	12.6	
32 4-Methylphenol	108	4.581	4.581	0.000	94	622484	12.5	12.3	
35 N-Nitrosomorpholine	56	4.593	4.593	0.000	91	459253	12.5	13.7	
36 2-Toluidine	106	4.610	4.610	0.000	94	1118222	12.5	14.1	
38 Hexachloroethane	117	4.674	4.674	0.000	97	249632	12.5	11.6	
40 Nitrobenzene	77	4.738	4.738	0.000	86	746391	12.5	12.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 N-Nitrosopiperidine	114	4.884	4.884	0.000	84	347182	12.5	13.8	
	43 Isophorone	82	4.971	4.972	-0.001	97	1448614	12.5	12.2	
	44 2-Nitrophenol	139	5.047	5.042	0.005	91	281219	12.5	12.5	
	45 2,4-Dimethylphenol	107	5.094	5.094	0.000	97	678355	12.5	12.6	
	46 o,o',o''-Triethylphosphorothioat	198	5.158	5.158	0.000	92	337025	12.5	12.8	
	47 Bis(2-chloroethoxy)methane	93	5.187	5.181	0.006	99	926052	12.5	12.3	
	30 Benzoic acid	105		5.192				ND	ND	U
	48 2,4-Dichlorophenol	162	5.280	5.281	0.000	96	499432	12.5	12.5	
	49 1,2,4-Trichlorobenzene	180	5.356	5.356	0.000	93	541055	12.5	12.1	
*	50 Naphthalene-d8	136	5.409	5.409	0.000	100	697992	5.00	5.00	
	51 Naphthalene	128	5.426	5.426	0.000	98	1789174	12.5	12.0	
	53 4-Chloroaniline	127	5.484	5.485	0.000	94	802618	12.5	13.0	
	54 2,6-Dichlorophenol	162	5.490	5.490	0.000	93	508357	12.5	12.5	
	55 Hexachloropropene	213	5.514	5.514	0.000	89	352407	12.5	13.4	
	56 Hexachlorobutadiene	225	5.548	5.549	-0.001	97	316879	12.5	11.8	
	60 Quinoline	129	5.747	5.747	0.000	95	1273962	12.5	13.2	
	61 Caprolactam	113	5.805	5.799	0.006	77	207653	12.5	13.5	
	62 N-Nitrosodi-n-butylamine	84	5.811	5.811	0.000	92	737071	12.5	13.6	
	63 p-Phenylene diamine	108		5.823				ND	ND	U
	64 4-Chloro-3-methylphenol	107	5.956	5.957	-0.001	94	613419	12.5	12.6	
	65 Safrole, Total	162	6.015	6.015	0.000	86	504926	12.5	13.4	
	66 2-Methylnaphthalene	142	6.091	6.091	0.000	91	1212829	12.5	13.8	
	67 1-Methylnaphthalene	142	6.184	6.184	0.000	92	1121143	12.5	11.9	
	68 Hexachlorocyclopentadiene	237	6.242	6.242	0.000	94	286352	12.5	9.26	
	69 1,2,4,5-Tetrachlorobenzene	216	6.248	6.248	0.000	98	610150	12.5	12.0	
	70 Isosafrole Peak 1	162	6.295	6.289	0.006	88	64704	1.50	1.56	
	71 2,4,6-Trichlorophenol	196	6.364	6.359	0.005	94	387375	12.5	12.8	
	72 2,4,5-Trichlorophenol	196	6.399	6.400	-0.001	94	437919	12.5	12.9	
	74 Isosafrole Peak 2	162	6.504	6.505	0.000	89	536431	11.0	11.8	
	75 1,1'-Biphenyl	154	6.539	6.534	0.005	94	1538662	12.5	12.4	
	76 2-Chloronaphthalene	162	6.551	6.551	0.000	94	1250492	12.5	13.1	M
	77 1-Chloronaphthalene	162	6.568	6.569	-0.001	98	1077616	12.5	12.4	Ma
	78 Phenyl ether	170	6.638	6.639	-0.001	87	848374	12.5	11.7	
	79 2-Nitroaniline	138	6.650	6.650	0.000	76	367112	12.5	12.6	
	81 1,4-Naphthoquinone	158	6.720	6.720	0.000	84	502477	12.5	14.0	
	84 1,4-Dinitrobenzene	168	6.790	6.790	0.000	87	192871	12.5	14.1	
	85 Dimethyl phthalate	163	6.837	6.831	0.006	98	1410162	12.5	12.7	
	86 1,3-Dinitrobenzene	168	6.854	6.854	0.000	84	223054	12.5	13.2	
	87 2,6-Dinitrotoluene	165	6.889	6.883	0.006	90	302788	12.5	13.7	
	88 Acenaphthylene	152	6.942	6.942	0.000	99	1962882	12.5	13.0	
	89 3-Nitroaniline	138	7.041	7.041	0.000	88	337203	12.5	12.6	
*	90 Acenaphthene-d10	164	7.076	7.076	0.000	95	413167	5.00	5.00	
	91 Acenaphthene	153	7.105	7.105	0.000	97	1249984	12.5	12.5	
	92 2,4-Dinitrophenol	184	7.146	7.140	0.006	85	332491	25.0	24.9	
	93 4-Nitrophenol	109	7.221	7.221	0.000	85	425780	25.0	25.7	
	94 Pentachlorobenzene	250	7.233	7.233	0.000	98	556014	12.5	12.7	
	95 2,4-Dinitrotoluene	165	7.268	7.262	0.006	85	411697	12.5	13.2	
	96 Dibenzofuran	168	7.268	7.268	0.000	96	1753214	12.5	12.2	
	97 1-Naphthylamine	143	7.344	7.344	0.000	99	1193367	12.5	12.9	
	98 2,3,4,6-Tetrachlorophenol	232	7.390	7.390	0.000	73	372035	12.5	12.9	
	99 2-Naphthylamine	143	7.419	7.420	-0.001	95	1387512	12.5	14.0	
	100 Diethyl phthalate	149	7.507	7.507	0.000	98	1399707	12.5	12.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Thionazin	107	7.583	7.577	0.006	78	276261	12.5	13.8	
102 Fluorene	166	7.594	7.594	0.000	93	1438002	12.5	12.4	
103 4-Chlorophenyl phenyl ether	204	7.600	7.600	0.000	91	702534	12.5	12.4	
104 N-Nitro-o-toluidine	152	7.612	7.606	0.006	79	413281	12.5	14.6	
105 4-Nitroaniline	138	7.618	7.612	0.006	79	342458	12.5	13.0	
106 4,6-Dinitro-2-methylphenol	198	7.647	7.647	0.000	80	475050	25.0	25.6	
107 N-Nitrosodiphenylamine	169	7.717	7.711	0.006	63	1031419	10.6	11.3	
108 1,2-Diphenylhydrazine	77	7.752	7.752	0.000	41	1767327	12.5	13.0	
110 Sulfotepp	97	7.874	7.874	0.000	77	300254	12.5	13.6	
112 1,3,5-Trinitrobenzene	213	7.979	7.973	0.006	83	139729	12.5	13.3	
113 cis-Diallate	86	7.991	7.991	0.000	0	614861	9.38	10.5	
114 Phorate	75	7.997	7.997	-0.001	95	1120012	12.5	13.9	
115 Phenacetin	108	8.014	8.014	0.000	92	746064	12.5	13.9	
116 4-Bromophenyl phenyl ether	248	8.066	8.061	0.005	67	420712	12.5	13.1	
117 trans-Diallate	86	8.072	8.072	0.000	0	198739	3.13	3.52	
118 Hexachlorobenzene	284	8.107	8.107	0.000	94	426880	12.5	12.3	
119 Dimethoate	87	8.160	8.154	0.006	97	723259	12.5	14.6	
120 Atrazine	200	8.230	8.230	0.000	91	408245	12.5	13.9	
121 Pentachlorophenol	266	8.305	8.300	0.005	92	542209	25.0	24.2	
122 4-Aminobiphenyl	169	8.311	8.306	0.005	91	1577591	12.5	13.3	
123 Pentachloronitrobenzene	237	8.311	8.311	0.000	86	187287	12.5	13.4	
124 Pronamide	173	8.375	8.376	-0.001	90	632523	12.5	14.1	
* 126 Phenanthrene-d10	188	8.480	8.475	0.005	98	765088	5.00	5.00	
125 Dinoseb	211	8.486	8.486	0.000	95	344192	12.5	13.3	
127 Disulfoton	88	8.498	8.498	0.000	94	1073969	12.5	14.1	
128 Phenanthrene	178	8.498	8.498	0.000	97	2068794	12.5	12.5	
129 Anthracene	178	8.550	8.550	0.000	98	2128997	12.5	13.2	
130 Carbazole	167	8.708	8.708	0.000	96	1909154	12.5	13.0	
131 Methyl parathion	109	8.847	8.848	-0.001	91	546669	12.5	15.2	
133 Di-n-butyl phthalate	149	9.057	9.057	0.000	100	2227937	12.5	14.3	
134 Ethyl Parathion	109	9.221	9.221	0.000	84	307140	12.5	14.2	
135 4-Nitroquinoline-1-oxide	190	9.238	9.238	0.000	80	129317	12.5	11.4	
140 Octachlorostyrene	308	9.448	9.454	-0.006	93	162562	12.5	12.5	
141 Isodrin	193	9.483	9.483	0.000	93	237032	12.5	12.5	
143 Fluoranthene	202	9.629	9.629	0.000	98	2240238	12.5	12.9	
S 136 Diallate	86				0		12.5	14.0	
147 Benzidine	184	9.768	9.769	-0.001	99	1807366	12.5	15.8	
* 149 Pyrene-d10 (IS)	212	9.821	9.821	0.000	99	780494	5.00	5.00	
150 Pyrene	202	9.838	9.838	0.000	97	2333567	12.5	12.0	
137 Aramite Peak 1	185		9.966				ND	ND	U
138 Aramite Peak 2	185		9.983				ND	ND	U
139 Aramite Peak 3	185		10.030				ND	ND	U
142 Aramite Peak 4	185		10.106				ND	ND	U
154 p-Dimethylamino azobenzene	225	10.141	10.142	-0.001	94	435168	12.5	14.9	
155 Chlorobenzilate	139	10.194	10.194	0.000	91	655592	12.5	14.2	
151 Famphur	218	10.439	10.467	-0.028	85	648162	12.5	15.7	
156 3,3'-Dimethylbenzidine	212	10.474	10.474	0.000	99	1209450	12.5	14.4	
157 Butyl benzyl phthalate	149	10.503	10.503	0.000	96	923394	12.5	13.4	
158 2-Acetylaminofluorene	181	10.736	10.736	0.000	94	689178	12.5	12.3	
159 3,3'-Dichlorobenzidine	252	11.057	11.051	0.006	76	1067953	12.5	16.8	
160 4,4'-Methylene bis(2-chloroanil	231	11.062	11.063	0.000	94	409958	12.5	14.0	
161 Benzo[a]anthracene	228	11.062	11.063	0.000	99	2012889	12.5	13.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	11.103	11.103	0.000	97	1907536	12.5	12.6	
163 Bis(2-ethylhexyl) phthalate	149	11.156	11.156	0.000	98	1187837	12.5	12.2	
164 6-Methylchrysene	242	11.639	11.640	-0.001	99	1320522	12.5	13.3	
165 Di-n-octyl phthalate	149	11.966	11.966	0.000	99	1871973	12.5	12.3	
167 Benzo[b]fluoranthene	252	12.391	12.386	0.005	97	1954441	12.5	13.6	
166 7,12-Dimethylbenz(a)anthracene	256	12.391	12.386	0.005	74	851300	12.5	14.4	
168 Benzo[k]fluoranthene	252	12.426	12.426	0.000	99	1893443	12.5	12.4	
169 Benzo[a]pyrene	252	12.823	12.823	0.000	78	1743332	12.5	13.0	
* 170 Perylene-d12	264	12.898	12.899	-0.001	98	598519	5.00	5.00	
171 3-Methylcholanthrene	268	13.324	13.318	0.006	91	831065	12.5	13.3	
172 Dibenz[a,h]acridine	279	14.082	14.082	0.000	91	1356928	12.5	14.6	
173 Dibenz[a,j]acridine	279	14.157	14.152	0.005	96	1414284	12.5	12.8	
174 Indeno[1,2,3-cd]pyrene	276	14.396	14.396	0.000	99	1475255	12.5	12.0	
175 Dibenz(a,h)anthracene	278	14.443	14.443	0.000	94	1562151	12.5	12.6	
176 Benzo[g,h,i]perylene	276	14.793	14.787	0.006	98	1526311	12.5	12.1	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	13.4	

QC Flag Legend

Processing Flags
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

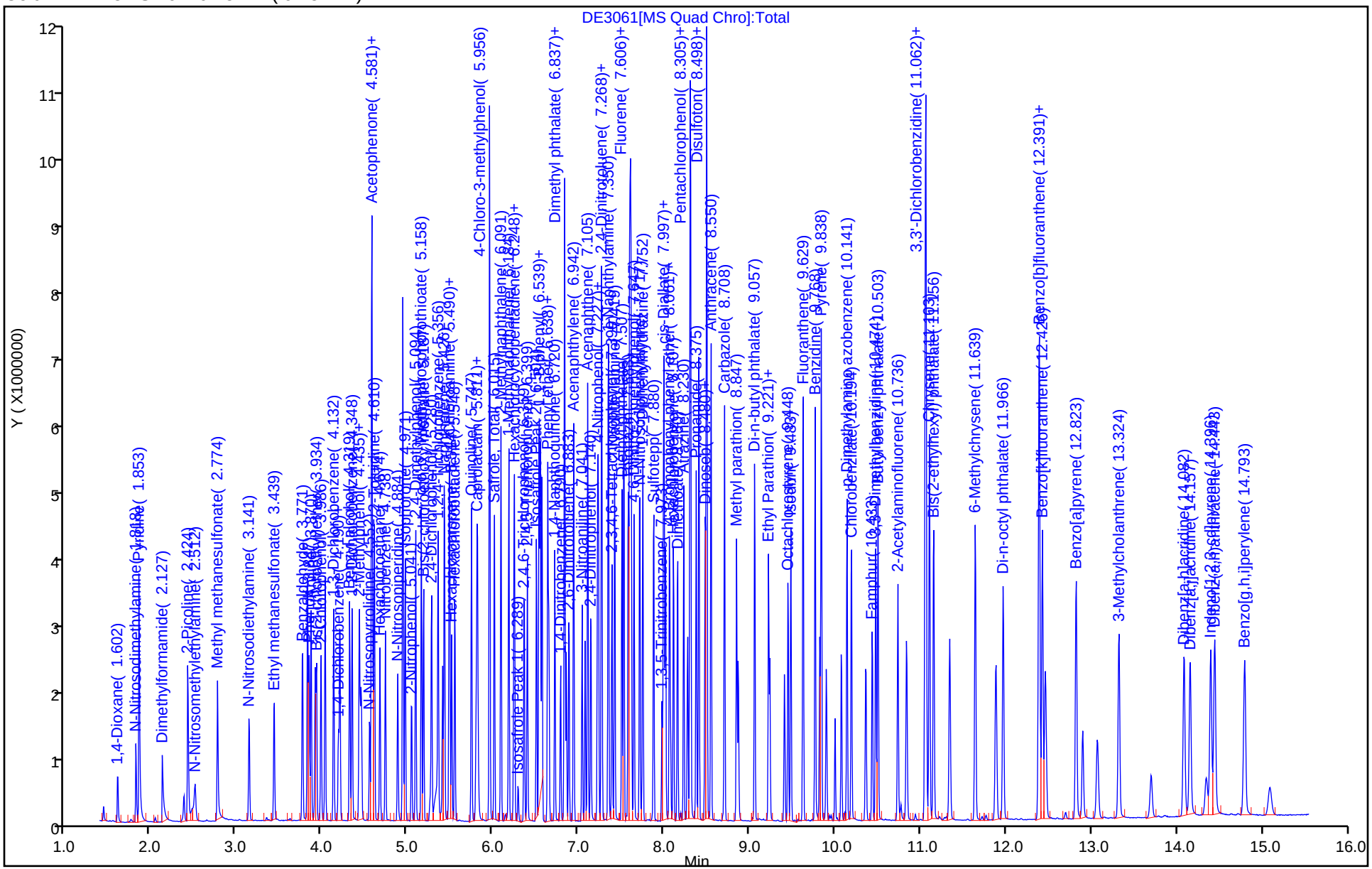
Report Date: 02-Jun-2025 07:02:34 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D

Injection Date:	31-May-2025 02:04:32	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



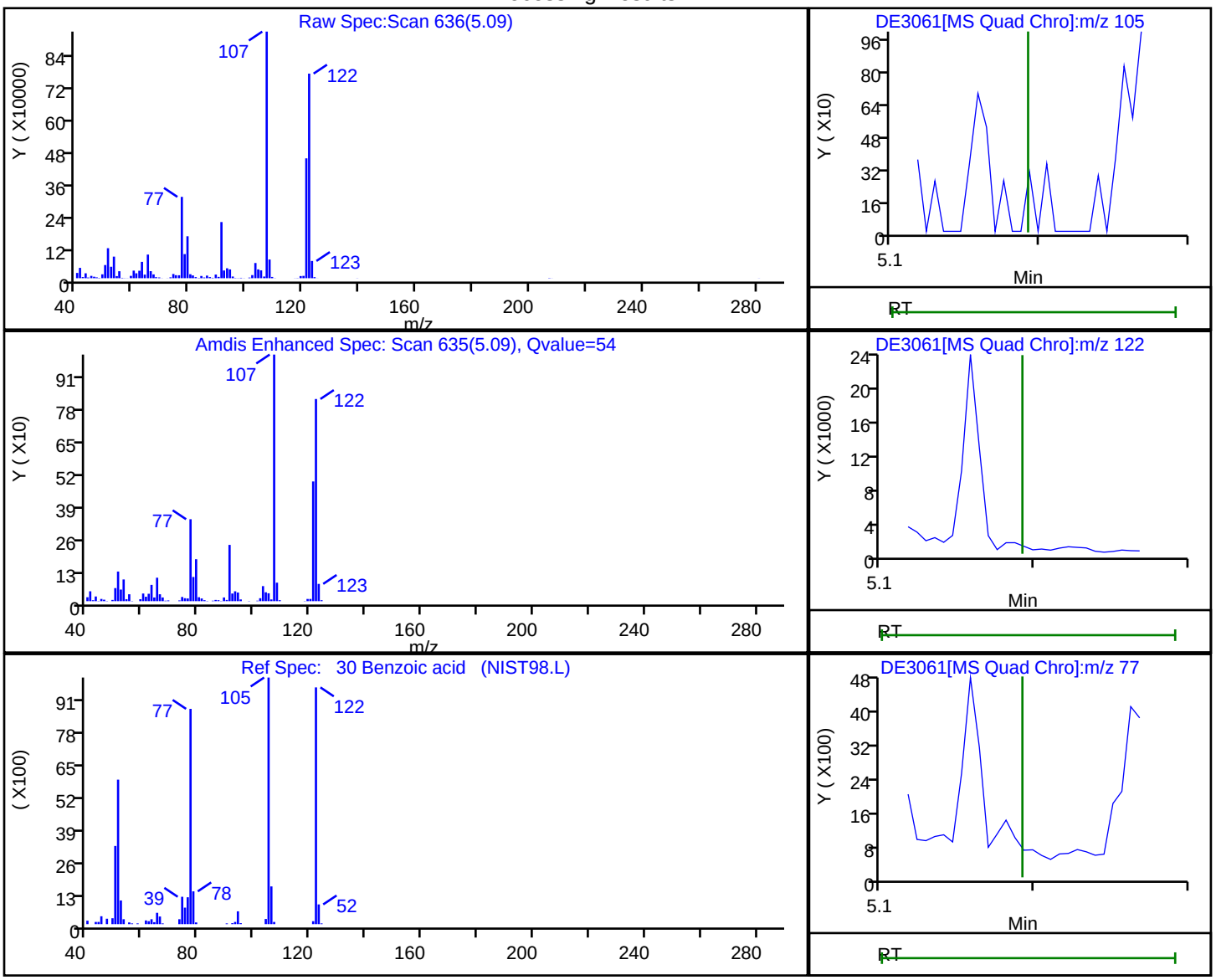
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D				
Injection Date:	31-May-2025 02:04:32	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

30 Benzoic acid, CAS: 65-85-0

Processing Results



RT	Mass	Response	Amount
5.09	105.00	21872	0.826757
5.09	122.00	553084	
5.09	77.00	232291	

Reviewer: SJ89, 01-Jun-2025 12:36:34 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-651088/12 Calibration Date: 05/31/2025 02:04

Instrument ID: HP19760 Calib Start Date: 05/22/2025 13:48

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/22/2025 15:39

Lab File ID: DE3061.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Famphur	Ave	0.4400	0.3322		15.7	12.5	-24.5	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 31-May-2025 02:04:32 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0148877-012
Operator ID: IR93211 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2025 07:02:03 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: W6ZA Date: 02-Jun-2025 07:02:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.608	1.608	0.000	94	233952	12.5	11.4	
3 N-Nitrosodimethylamine	74	1.818	1.818	0.000	95	412231	12.5	12.2	
4 Pyridine	79	1.853	1.859	-0.006	98	1266090	25.0	23.5	
6 Dimethylformamide	73	2.127	2.133	-0.006	94	504806	12.5	12.8	
7 2-Picoline	93	2.424	2.430	-0.006	91	709466	12.5	13.0	
8 N-Nitrosomethylethylamine	88	2.512	2.512	0.000	93	315560	12.5	11.8	
9 Methyl methanesulfonate	80	2.774	2.774	0.000	85	406023	12.5	13.4	
11 N-Nitrosodiethylamine	102	3.141	3.141	0.000	96	319452	12.5	13.4	
12 Ethyl methanesulfonate	109	3.439	3.433	0.006	98	354487	12.5	13.5	
15 Benzaldehyde	77	3.771	3.765	0.006	96	528158	12.5	11.1	
17 Phenol	94	3.847	3.847	0.000	93	904171	12.5	12.9	
18 Aniline	93	3.870	3.870	0.000	96	1060945	12.5	12.3	
19 Bis(2-chloroethyl)ether	93	3.934	3.934	0.000	96	677832	12.5	12.2	
20 2-Chlorophenol	128	3.986	3.987	-0.001	95	565806	12.5	12.6	
21 1,3-Dichlorobenzene	146	4.132	4.132	0.000	95	601415	12.5	12.2	
* 22 1,4-Dichlorobenzene-d4	152	4.190	4.185	0.005	96	168803	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.208	4.202	0.006	91	612821	12.5	12.3	
25 Benzyl alcohol	108	4.319	4.319	0.000	92	437923	12.5	13.0	
26 1,2-Dichlorobenzene	146	4.348	4.348	0.000	94	587593	12.5	12.3	
28 2-Methylphenol	108	4.435	4.430	0.005	94	597410	12.5	12.9	
29 2,2'-oxybis[1-chloropropane]	45	4.453	4.453	0.000	93	851580	12.5	12.0	
14 Indene	115		4.458				ND	ND	U
31 N-Nitrosopyrrolidine	100	4.552	4.552	0.000	92	382371	12.5	14.6	
34 Acetophenone	105	4.575	4.575	0.000	98	984318	12.5	12.7	
33 N-Nitrosodi-n-propylamine	70	4.581	4.575	0.006	83	558597	12.5	12.6	
32 4-Methylphenol	108	4.581	4.581	0.000	94	622484	12.5	12.3	
35 N-Nitrosomorpholine	56	4.593	4.593	0.000	91	459253	12.5	13.7	
36 2-Toluidine	106	4.610	4.610	0.000	94	1118222	12.5	14.1	
38 Hexachloroethane	117	4.674	4.674	0.000	97	249632	12.5	11.6	
40 Nitrobenzene	77	4.738	4.738	0.000	86	746391	12.5	12.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 N-Nitrosopiperidine	114	4.884	4.884	0.000	84	347182	12.5	13.8	
	43 Isophorone	82	4.971	4.972	-0.001	97	1448614	12.5	12.2	
	44 2-Nitrophenol	139	5.047	5.042	0.005	91	281219	12.5	12.5	
	45 2,4-Dimethylphenol	107	5.094	5.094	0.000	97	678355	12.5	12.6	
	46 o,o',o''-Triethylphosphorothioat	198	5.158	5.158	0.000	92	337025	12.5	12.8	
	47 Bis(2-chloroethoxy)methane	93	5.187	5.181	0.006	99	926052	12.5	12.3	
	30 Benzoic acid	105		5.192				ND	ND	U
	48 2,4-Dichlorophenol	162	5.280	5.281	0.000	96	499432	12.5	12.5	
	49 1,2,4-Trichlorobenzene	180	5.356	5.356	0.000	93	541055	12.5	12.1	
*	50 Naphthalene-d8	136	5.409	5.409	0.000	100	697992	5.00	5.00	
	51 Naphthalene	128	5.426	5.426	0.000	98	1789174	12.5	12.0	
	53 4-Chloroaniline	127	5.484	5.485	0.000	94	802618	12.5	13.0	
	54 2,6-Dichlorophenol	162	5.490	5.490	0.000	93	508357	12.5	12.5	
	55 Hexachloropropene	213	5.514	5.514	0.000	89	352407	12.5	13.4	
	56 Hexachlorobutadiene	225	5.548	5.549	-0.001	97	316879	12.5	11.8	
	60 Quinoline	129	5.747	5.747	0.000	95	1273962	12.5	13.2	
	61 Caprolactam	113	5.805	5.799	0.006	77	207653	12.5	13.5	
	62 N-Nitrosodi-n-butylamine	84	5.811	5.811	0.000	92	737071	12.5	13.6	
	63 p-Phenylene diamine	108		5.823				ND	ND	U
	64 4-Chloro-3-methylphenol	107	5.956	5.957	-0.001	94	613419	12.5	12.6	
	65 Safrole, Total	162	6.015	6.015	0.000	86	504926	12.5	13.4	
	66 2-Methylnaphthalene	142	6.091	6.091	0.000	91	1212829	12.5	13.8	
	67 1-Methylnaphthalene	142	6.184	6.184	0.000	92	1121143	12.5	11.9	
	68 Hexachlorocyclopentadiene	237	6.242	6.242	0.000	94	286352	12.5	9.26	
	69 1,2,4,5-Tetrachlorobenzene	216	6.248	6.248	0.000	98	610150	12.5	12.0	
	70 Isosafrole Peak 1	162	6.295	6.289	0.006	88	64704	1.50	1.56	
	71 2,4,6-Trichlorophenol	196	6.364	6.359	0.005	94	387375	12.5	12.8	
	72 2,4,5-Trichlorophenol	196	6.399	6.400	-0.001	94	437919	12.5	12.9	
	74 Isosafrole Peak 2	162	6.504	6.505	0.000	89	536431	11.0	11.8	
	75 1,1'-Biphenyl	154	6.539	6.534	0.005	94	1538662	12.5	12.4	
	76 2-Chloronaphthalene	162	6.551	6.551	0.000	94	1250492	12.5	13.1	M
	77 1-Chloronaphthalene	162	6.568	6.569	-0.001	98	1077616	12.5	12.4	Ma
	78 Phenyl ether	170	6.638	6.639	-0.001	87	848374	12.5	11.7	
	79 2-Nitroaniline	138	6.650	6.650	0.000	76	367112	12.5	12.6	
	81 1,4-Naphthoquinone	158	6.720	6.720	0.000	84	502477	12.5	14.0	
	84 1,4-Dinitrobenzene	168	6.790	6.790	0.000	87	192871	12.5	14.1	
	85 Dimethyl phthalate	163	6.837	6.831	0.006	98	1410162	12.5	12.7	
	86 1,3-Dinitrobenzene	168	6.854	6.854	0.000	84	223054	12.5	13.2	
	87 2,6-Dinitrotoluene	165	6.889	6.883	0.006	90	302788	12.5	13.7	
	88 Acenaphthylene	152	6.942	6.942	0.000	99	1962882	12.5	13.0	
	89 3-Nitroaniline	138	7.041	7.041	0.000	88	337203	12.5	12.6	
*	90 Acenaphthene-d10	164	7.076	7.076	0.000	95	413167	5.00	5.00	
	91 Acenaphthene	153	7.105	7.105	0.000	97	1249984	12.5	12.5	
	92 2,4-Dinitrophenol	184	7.146	7.140	0.006	85	332491	25.0	24.9	
	93 4-Nitrophenol	109	7.221	7.221	0.000	85	425780	25.0	25.7	
	94 Pentachlorobenzene	250	7.233	7.233	0.000	98	556014	12.5	12.7	
	95 2,4-Dinitrotoluene	165	7.268	7.262	0.006	85	411697	12.5	13.2	
	96 Dibenzofuran	168	7.268	7.268	0.000	96	1753214	12.5	12.2	
	97 1-Naphthylamine	143	7.344	7.344	0.000	99	1193367	12.5	12.9	
	98 2,3,4,6-Tetrachlorophenol	232	7.390	7.390	0.000	73	372035	12.5	12.9	
	99 2-Naphthylamine	143	7.419	7.420	-0.001	95	1387512	12.5	14.0	
	100 Diethyl phthalate	149	7.507	7.507	0.000	98	1399707	12.5	12.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Thionazin	107	7.583	7.577	0.006	78	276261	12.5	13.8	
102 Fluorene	166	7.594	7.594	0.000	93	1438002	12.5	12.4	
103 4-Chlorophenyl phenyl ether	204	7.600	7.600	0.000	91	702534	12.5	12.4	
104 N-Nitro-o-toluidine	152	7.612	7.606	0.006	79	413281	12.5	14.6	
105 4-Nitroaniline	138	7.618	7.612	0.006	79	342458	12.5	13.0	
106 4,6-Dinitro-2-methylphenol	198	7.647	7.647	0.000	80	475050	25.0	25.6	
107 N-Nitrosodiphenylamine	169	7.717	7.711	0.006	63	1031419	10.6	11.3	
108 1,2-Diphenylhydrazine	77	7.752	7.752	0.000	41	1767327	12.5	13.0	
110 Sulfotepp	97	7.874	7.874	0.000	77	300254	12.5	13.6	
112 1,3,5-Trinitrobenzene	213	7.979	7.973	0.006	83	139729	12.5	13.3	
113 cis-Diallate	86	7.991	7.991	0.000	0	614861	9.38	10.5	
114 Phorate	75	7.997	7.997	-0.001	95	1120012	12.5	13.9	
115 Phenacetin	108	8.014	8.014	0.000	92	746064	12.5	13.9	
116 4-Bromophenyl phenyl ether	248	8.066	8.061	0.005	67	420712	12.5	13.1	
117 trans-Diallate	86	8.072	8.072	0.000	0	198739	3.13	3.52	
118 Hexachlorobenzene	284	8.107	8.107	0.000	94	426880	12.5	12.3	
119 Dimethoate	87	8.160	8.154	0.006	97	723259	12.5	14.6	
120 Atrazine	200	8.230	8.230	0.000	91	408245	12.5	13.9	
121 Pentachlorophenol	266	8.305	8.300	0.005	92	542209	25.0	24.2	
122 4-Aminobiphenyl	169	8.311	8.306	0.005	91	1577591	12.5	13.3	
123 Pentachloronitrobenzene	237	8.311	8.311	0.000	86	187287	12.5	13.4	
124 Pronamide	173	8.375	8.376	-0.001	90	632523	12.5	14.1	
* 126 Phenanthrene-d10	188	8.480	8.475	0.005	98	765088	5.00	5.00	
125 Dinoseb	211	8.486	8.486	0.000	95	344192	12.5	13.3	
127 Disulfoton	88	8.498	8.498	0.000	94	1073969	12.5	14.1	
128 Phenanthrene	178	8.498	8.498	0.000	97	2068794	12.5	12.5	
129 Anthracene	178	8.550	8.550	0.000	98	2128997	12.5	13.2	
130 Carbazole	167	8.708	8.708	0.000	96	1909154	12.5	13.0	
131 Methyl parathion	109	8.847	8.848	-0.001	91	546669	12.5	15.2	
133 Di-n-butyl phthalate	149	9.057	9.057	0.000	100	2227937	12.5	14.3	
134 Ethyl Parathion	109	9.221	9.221	0.000	84	307140	12.5	14.2	
135 4-Nitroquinoline-1-oxide	190	9.238	9.238	0.000	80	129317	12.5	11.4	
140 Octachlorostyrene	308	9.448	9.454	-0.006	93	162562	12.5	12.5	
141 Isodrin	193	9.483	9.483	0.000	93	237032	12.5	12.5	
143 Fluoranthene	202	9.629	9.629	0.000	98	2240238	12.5	12.9	
S 136 Diallate	86				0		12.5	14.0	
147 Benzidine	184	9.768	9.769	-0.001	99	1807366	12.5	15.8	
* 149 Pyrene-d10 (IS)	212	9.821	9.821	0.000	99	780494	5.00	5.00	
150 Pyrene	202	9.838	9.838	0.000	97	2333567	12.5	12.0	
137 Aramite Peak 1	185		9.966				ND	ND	U
138 Aramite Peak 2	185		9.983				ND	ND	U
139 Aramite Peak 3	185		10.030				ND	ND	U
142 Aramite Peak 4	185		10.106				ND	ND	U
154 p-Dimethylamino azobenzene	225	10.141	10.142	-0.001	94	435168	12.5	14.9	
155 Chlorobenzilate	139	10.194	10.194	0.000	91	655592	12.5	14.2	
151 Famphur	218	10.439	10.467	-0.028	85	648162	12.5	15.7	
156 3,3'-Dimethylbenzidine	212	10.474	10.474	0.000	99	1209450	12.5	14.4	
157 Butyl benzyl phthalate	149	10.503	10.503	0.000	96	923394	12.5	13.4	
158 2-Acetylaminofluorene	181	10.736	10.736	0.000	94	689178	12.5	12.3	
159 3,3'-Dichlorobenzidine	252	11.057	11.051	0.006	76	1067953	12.5	16.8	
160 4,4'-Methylene bis(2-chloroanil	231	11.062	11.063	0.000	94	409958	12.5	14.0	
161 Benzo[a]anthracene	228	11.062	11.063	0.000	99	2012889	12.5	13.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	11.103	11.103	0.000	97	1907536	12.5	12.6	
163 Bis(2-ethylhexyl) phthalate	149	11.156	11.156	0.000	98	1187837	12.5	12.2	
164 6-Methylchrysene	242	11.639	11.640	-0.001	99	1320522	12.5	13.3	
165 Di-n-octyl phthalate	149	11.966	11.966	0.000	99	1871973	12.5	12.3	
167 Benzo[b]fluoranthene	252	12.391	12.386	0.005	97	1954441	12.5	13.6	
166 7,12-Dimethylbenz(a)anthracene	256	12.391	12.386	0.005	74	851300	12.5	14.4	
168 Benzo[k]fluoranthene	252	12.426	12.426	0.000	99	1893443	12.5	12.4	
169 Benzo[a]pyrene	252	12.823	12.823	0.000	78	1743332	12.5	13.0	
* 170 Perylene-d12	264	12.898	12.899	-0.001	98	598519	5.00	5.00	
171 3-Methylcholanthrene	268	13.324	13.318	0.006	91	831065	12.5	13.3	
172 Dibenz[a,h]acridine	279	14.082	14.082	0.000	91	1356928	12.5	14.6	
173 Dibenz[a,j]acridine	279	14.157	14.152	0.005	96	1414284	12.5	12.8	
174 Indeno[1,2,3-cd]pyrene	276	14.396	14.396	0.000	99	1475255	12.5	12.0	
175 Dibenz(a,h)anthracene	278	14.443	14.443	0.000	94	1562151	12.5	12.6	
176 Benzo[g,h,i]perylene	276	14.793	14.787	0.006	98	1526311	12.5	12.1	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	13.4	

QC Flag Legend

Processing Flags
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

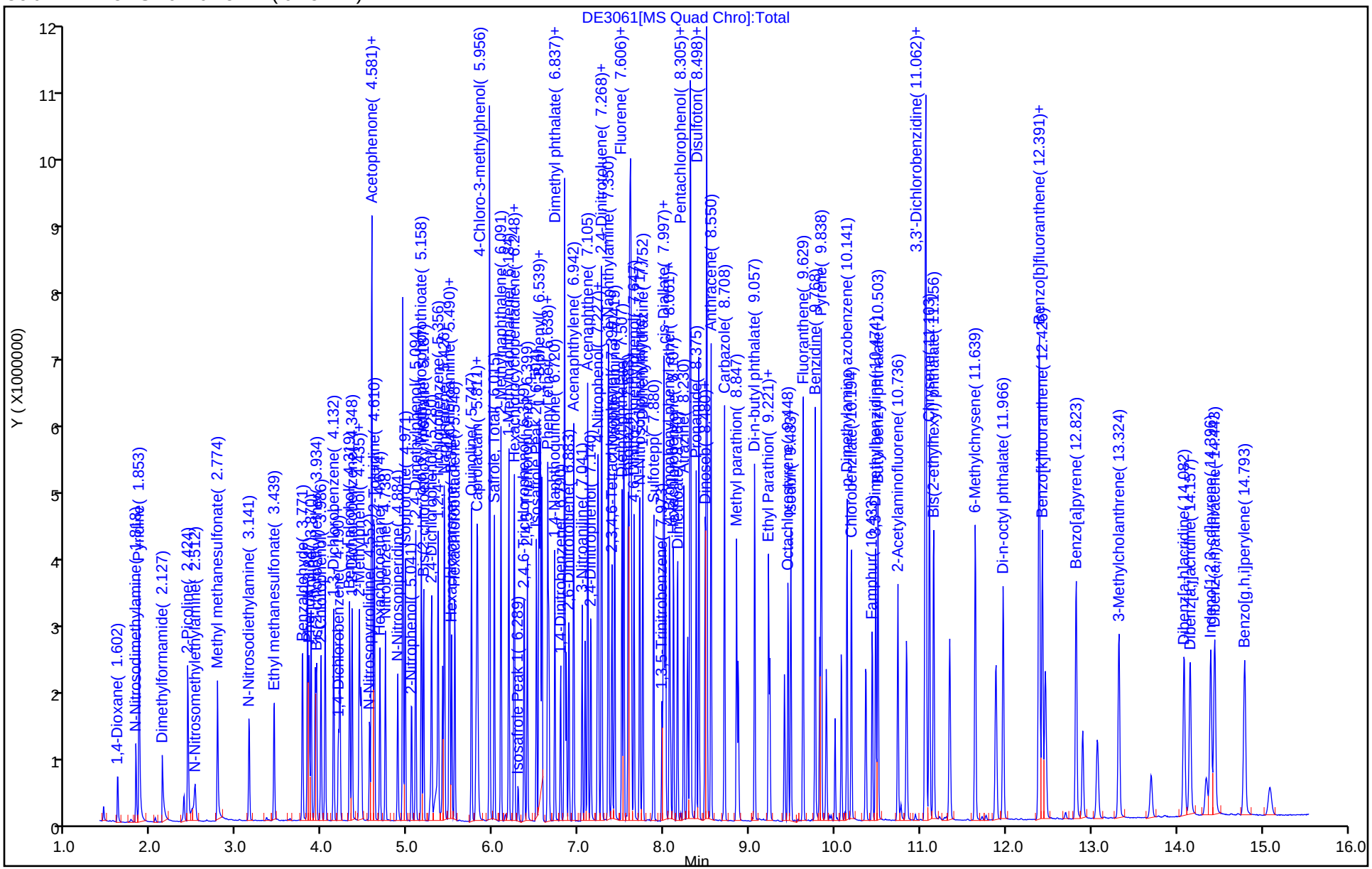
Report Date: 02-Jun-2025 07:02:34 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D

Injection Date:	31-May-2025 02:04:32	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-651088/12 Calibration Date: 05/31/2025 02:04

Instrument ID: HP19760 Calib Start Date: 05/27/2025 12:48

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/27/2025 12:48

Lab File ID: DE3061.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 1	Ave	0.0457				1.25		
Aramite Peak 2	Ave	0.0453				1.25		
Aramite Peak 3	Ave	0.1365				5.00		
Aramite Peak 4	Ave	0.1702				5.00		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 31-May-2025 02:04:32 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0148877-012
Operator ID: IR93211 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2025 07:02:03 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: W6ZA Date: 02-Jun-2025 07:02:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.608	1.608	0.000	94	233952	12.5	11.4	
3 N-Nitrosodimethylamine	74	1.818	1.818	0.000	95	412231	12.5	12.2	
4 Pyridine	79	1.853	1.859	-0.006	98	1266090	25.0	23.5	
6 Dimethylformamide	73	2.127	2.133	-0.006	94	504806	12.5	12.8	
7 2-Picoline	93	2.424	2.430	-0.006	91	709466	12.5	13.0	
8 N-Nitrosomethylethylamine	88	2.512	2.512	0.000	93	315560	12.5	11.8	
9 Methyl methanesulfonate	80	2.774	2.774	0.000	85	406023	12.5	13.4	
11 N-Nitrosodiethylamine	102	3.141	3.141	0.000	96	319452	12.5	13.4	
12 Ethyl methanesulfonate	109	3.439	3.433	0.006	98	354487	12.5	13.5	
15 Benzaldehyde	77	3.771	3.765	0.006	96	528158	12.5	11.1	
17 Phenol	94	3.847	3.847	0.000	93	904171	12.5	12.9	
18 Aniline	93	3.870	3.870	0.000	96	1060945	12.5	12.3	
19 Bis(2-chloroethyl)ether	93	3.934	3.934	0.000	96	677832	12.5	12.2	
20 2-Chlorophenol	128	3.986	3.987	-0.001	95	565806	12.5	12.6	
21 1,3-Dichlorobenzene	146	4.132	4.132	0.000	95	601415	12.5	12.2	
* 22 1,4-Dichlorobenzene-d4	152	4.190	4.185	0.005	96	168803	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.208	4.202	0.006	91	612821	12.5	12.3	
25 Benzyl alcohol	108	4.319	4.319	0.000	92	437923	12.5	13.0	
26 1,2-Dichlorobenzene	146	4.348	4.348	0.000	94	587593	12.5	12.3	
28 2-Methylphenol	108	4.435	4.430	0.005	94	597410	12.5	12.9	
29 2,2'-oxybis[1-chloropropane]	45	4.453	4.453	0.000	93	851580	12.5	12.0	
14 Indene	115		4.458				ND	ND	U
31 N-Nitrosopyrrolidine	100	4.552	4.552	0.000	92	382371	12.5	14.6	
34 Acetophenone	105	4.575	4.575	0.000	98	984318	12.5	12.7	
33 N-Nitrosodi-n-propylamine	70	4.581	4.575	0.006	83	558597	12.5	12.6	
32 4-Methylphenol	108	4.581	4.581	0.000	94	622484	12.5	12.3	
35 N-Nitrosomorpholine	56	4.593	4.593	0.000	91	459253	12.5	13.7	
36 2-Toluidine	106	4.610	4.610	0.000	94	1118222	12.5	14.1	
38 Hexachloroethane	117	4.674	4.674	0.000	97	249632	12.5	11.6	
40 Nitrobenzene	77	4.738	4.738	0.000	86	746391	12.5	12.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 N-Nitrosopiperidine	114	4.884	4.884	0.000	84	347182	12.5	13.8	
	43 Isophorone	82	4.971	4.972	-0.001	97	1448614	12.5	12.2	
	44 2-Nitrophenol	139	5.047	5.042	0.005	91	281219	12.5	12.5	
	45 2,4-Dimethylphenol	107	5.094	5.094	0.000	97	678355	12.5	12.6	
	46 o,o',o''-Triethylphosphorothioat	198	5.158	5.158	0.000	92	337025	12.5	12.8	
	47 Bis(2-chloroethoxy)methane	93	5.187	5.181	0.006	99	926052	12.5	12.3	
	30 Benzoic acid	105		5.192				ND	ND	U
	48 2,4-Dichlorophenol	162	5.280	5.281	0.000	96	499432	12.5	12.5	
	49 1,2,4-Trichlorobenzene	180	5.356	5.356	0.000	93	541055	12.5	12.1	
*	50 Naphthalene-d8	136	5.409	5.409	0.000	100	697992	5.00	5.00	
	51 Naphthalene	128	5.426	5.426	0.000	98	1789174	12.5	12.0	
	53 4-Chloroaniline	127	5.484	5.485	0.000	94	802618	12.5	13.0	
	54 2,6-Dichlorophenol	162	5.490	5.490	0.000	93	508357	12.5	12.5	
	55 Hexachloropropene	213	5.514	5.514	0.000	89	352407	12.5	13.4	
	56 Hexachlorobutadiene	225	5.548	5.549	-0.001	97	316879	12.5	11.8	
	60 Quinoline	129	5.747	5.747	0.000	95	1273962	12.5	13.2	
	61 Caprolactam	113	5.805	5.799	0.006	77	207653	12.5	13.5	
	62 N-Nitrosodi-n-butylamine	84	5.811	5.811	0.000	92	737071	12.5	13.6	
	63 p-Phenylene diamine	108		5.823				ND	ND	U
	64 4-Chloro-3-methylphenol	107	5.956	5.957	-0.001	94	613419	12.5	12.6	
	65 Safrole, Total	162	6.015	6.015	0.000	86	504926	12.5	13.4	
	66 2-Methylnaphthalene	142	6.091	6.091	0.000	91	1212829	12.5	13.8	
	67 1-Methylnaphthalene	142	6.184	6.184	0.000	92	1121143	12.5	11.9	
	68 Hexachlorocyclopentadiene	237	6.242	6.242	0.000	94	286352	12.5	9.26	
	69 1,2,4,5-Tetrachlorobenzene	216	6.248	6.248	0.000	98	610150	12.5	12.0	
	70 Isosafrole Peak 1	162	6.295	6.289	0.006	88	64704	1.50	1.56	
	71 2,4,6-Trichlorophenol	196	6.364	6.359	0.005	94	387375	12.5	12.8	
	72 2,4,5-Trichlorophenol	196	6.399	6.400	-0.001	94	437919	12.5	12.9	
	74 Isosafrole Peak 2	162	6.504	6.505	0.000	89	536431	11.0	11.8	
	75 1,1'-Biphenyl	154	6.539	6.534	0.005	94	1538662	12.5	12.4	
	76 2-Chloronaphthalene	162	6.551	6.551	0.000	94	1250492	12.5	13.1	M
	77 1-Chloronaphthalene	162	6.568	6.569	-0.001	98	1077616	12.5	12.4	Ma
	78 Phenyl ether	170	6.638	6.639	-0.001	87	848374	12.5	11.7	
	79 2-Nitroaniline	138	6.650	6.650	0.000	76	367112	12.5	12.6	
	81 1,4-Naphthoquinone	158	6.720	6.720	0.000	84	502477	12.5	14.0	
	84 1,4-Dinitrobenzene	168	6.790	6.790	0.000	87	192871	12.5	14.1	
	85 Dimethyl phthalate	163	6.837	6.831	0.006	98	1410162	12.5	12.7	
	86 1,3-Dinitrobenzene	168	6.854	6.854	0.000	84	223054	12.5	13.2	
	87 2,6-Dinitrotoluene	165	6.889	6.883	0.006	90	302788	12.5	13.7	
	88 Acenaphthylene	152	6.942	6.942	0.000	99	1962882	12.5	13.0	
	89 3-Nitroaniline	138	7.041	7.041	0.000	88	337203	12.5	12.6	
*	90 Acenaphthene-d10	164	7.076	7.076	0.000	95	413167	5.00	5.00	
	91 Acenaphthene	153	7.105	7.105	0.000	97	1249984	12.5	12.5	
	92 2,4-Dinitrophenol	184	7.146	7.140	0.006	85	332491	25.0	24.9	
	93 4-Nitrophenol	109	7.221	7.221	0.000	85	425780	25.0	25.7	
	94 Pentachlorobenzene	250	7.233	7.233	0.000	98	556014	12.5	12.7	
	95 2,4-Dinitrotoluene	165	7.268	7.262	0.006	85	411697	12.5	13.2	
	96 Dibenzofuran	168	7.268	7.268	0.000	96	1753214	12.5	12.2	
	97 1-Naphthylamine	143	7.344	7.344	0.000	99	1193367	12.5	12.9	
	98 2,3,4,6-Tetrachlorophenol	232	7.390	7.390	0.000	73	372035	12.5	12.9	
	99 2-Naphthylamine	143	7.419	7.420	-0.001	95	1387512	12.5	14.0	
	100 Diethyl phthalate	149	7.507	7.507	0.000	98	1399707	12.5	12.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Thionazin	107	7.583	7.577	0.006	78	276261	12.5	13.8	
102 Fluorene	166	7.594	7.594	0.000	93	1438002	12.5	12.4	
103 4-Chlorophenyl phenyl ether	204	7.600	7.600	0.000	91	702534	12.5	12.4	
104 N-Nitro-o-toluidine	152	7.612	7.606	0.006	79	413281	12.5	14.6	
105 4-Nitroaniline	138	7.618	7.612	0.006	79	342458	12.5	13.0	
106 4,6-Dinitro-2-methylphenol	198	7.647	7.647	0.000	80	475050	25.0	25.6	
107 N-Nitrosodiphenylamine	169	7.717	7.711	0.006	63	1031419	10.6	11.3	
108 1,2-Diphenylhydrazine	77	7.752	7.752	0.000	41	1767327	12.5	13.0	
110 Sulfotepp	97	7.874	7.874	0.000	77	300254	12.5	13.6	
112 1,3,5-Trinitrobenzene	213	7.979	7.973	0.006	83	139729	12.5	13.3	
113 cis-Diallate	86	7.991	7.991	0.000	0	614861	9.38	10.5	
114 Phorate	75	7.997	7.997	-0.001	95	1120012	12.5	13.9	
115 Phenacetin	108	8.014	8.014	0.000	92	746064	12.5	13.9	
116 4-Bromophenyl phenyl ether	248	8.066	8.061	0.005	67	420712	12.5	13.1	
117 trans-Diallate	86	8.072	8.072	0.000	0	198739	3.13	3.52	
118 Hexachlorobenzene	284	8.107	8.107	0.000	94	426880	12.5	12.3	
119 Dimethoate	87	8.160	8.154	0.006	97	723259	12.5	14.6	
120 Atrazine	200	8.230	8.230	0.000	91	408245	12.5	13.9	
121 Pentachlorophenol	266	8.305	8.300	0.005	92	542209	25.0	24.2	
122 4-Aminobiphenyl	169	8.311	8.306	0.005	91	1577591	12.5	13.3	
123 Pentachloronitrobenzene	237	8.311	8.311	0.000	86	187287	12.5	13.4	
124 Pronamide	173	8.375	8.376	-0.001	90	632523	12.5	14.1	
* 126 Phenanthrene-d10	188	8.480	8.475	0.005	98	765088	5.00	5.00	
125 Dinoseb	211	8.486	8.486	0.000	95	344192	12.5	13.3	
127 Disulfoton	88	8.498	8.498	0.000	94	1073969	12.5	14.1	
128 Phenanthrene	178	8.498	8.498	0.000	97	2068794	12.5	12.5	
129 Anthracene	178	8.550	8.550	0.000	98	2128997	12.5	13.2	
130 Carbazole	167	8.708	8.708	0.000	96	1909154	12.5	13.0	
131 Methyl parathion	109	8.847	8.848	-0.001	91	546669	12.5	15.2	
133 Di-n-butyl phthalate	149	9.057	9.057	0.000	100	2227937	12.5	14.3	
134 Ethyl Parathion	109	9.221	9.221	0.000	84	307140	12.5	14.2	
135 4-Nitroquinoline-1-oxide	190	9.238	9.238	0.000	80	129317	12.5	11.4	
140 Octachlorostyrene	308	9.448	9.454	-0.006	93	162562	12.5	12.5	
141 Isodrin	193	9.483	9.483	0.000	93	237032	12.5	12.5	
143 Fluoranthene	202	9.629	9.629	0.000	98	2240238	12.5	12.9	
S 136 Diallate	86				0		12.5	14.0	
147 Benzidine	184	9.768	9.769	-0.001	99	1807366	12.5	15.8	
* 149 Pyrene-d10 (IS)	212	9.821	9.821	0.000	99	780494	5.00	5.00	
150 Pyrene	202	9.838	9.838	0.000	97	2333567	12.5	12.0	
137 Aramite Peak 1	185		9.966				ND	ND	U
138 Aramite Peak 2	185		9.983				ND	ND	U
139 Aramite Peak 3	185		10.030				ND	ND	U
142 Aramite Peak 4	185		10.106				ND	ND	U
154 p-Dimethylamino azobenzene	225	10.141	10.142	-0.001	94	435168	12.5	14.9	
155 Chlorobenzilate	139	10.194	10.194	0.000	91	655592	12.5	14.2	
151 Famphur	218	10.439	10.467	-0.028	85	648162	12.5	15.7	
156 3,3'-Dimethylbenzidine	212	10.474	10.474	0.000	99	1209450	12.5	14.4	
157 Butyl benzyl phthalate	149	10.503	10.503	0.000	96	923394	12.5	13.4	
158 2-Acetylaminofluorene	181	10.736	10.736	0.000	94	689178	12.5	12.3	
159 3,3'-Dichlorobenzidine	252	11.057	11.051	0.006	76	1067953	12.5	16.8	
160 4,4'-Methylene bis(2-chloroanil	231	11.062	11.063	0.000	94	409958	12.5	14.0	
161 Benzo[a]anthracene	228	11.062	11.063	0.000	99	2012889	12.5	13.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	11.103	11.103	0.000	97	1907536	12.5	12.6	
163 Bis(2-ethylhexyl) phthalate	149	11.156	11.156	0.000	98	1187837	12.5	12.2	
164 6-Methylchrysene	242	11.639	11.640	-0.001	99	1320522	12.5	13.3	
165 Di-n-octyl phthalate	149	11.966	11.966	0.000	99	1871973	12.5	12.3	
167 Benzo[b]fluoranthene	252	12.391	12.386	0.005	97	1954441	12.5	13.6	
166 7,12-Dimethylbenz(a)anthracene	256	12.391	12.386	0.005	74	851300	12.5	14.4	
168 Benzo[k]fluoranthene	252	12.426	12.426	0.000	99	1893443	12.5	12.4	
169 Benzo[a]pyrene	252	12.823	12.823	0.000	78	1743332	12.5	13.0	
* 170 Perylene-d12	264	12.898	12.899	-0.001	98	598519	5.00	5.00	
171 3-Methylcholanthrene	268	13.324	13.318	0.006	91	831065	12.5	13.3	
172 Dibenz[a,h]acridine	279	14.082	14.082	0.000	91	1356928	12.5	14.6	
173 Dibenz[a,j]acridine	279	14.157	14.152	0.005	96	1414284	12.5	12.8	
174 Indeno[1,2,3-cd]pyrene	276	14.396	14.396	0.000	99	1475255	12.5	12.0	
175 Dibenz(a,h)anthracene	278	14.443	14.443	0.000	94	1562151	12.5	12.6	
176 Benzo[g,h,i]perylene	276	14.793	14.787	0.006	98	1526311	12.5	12.1	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	13.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

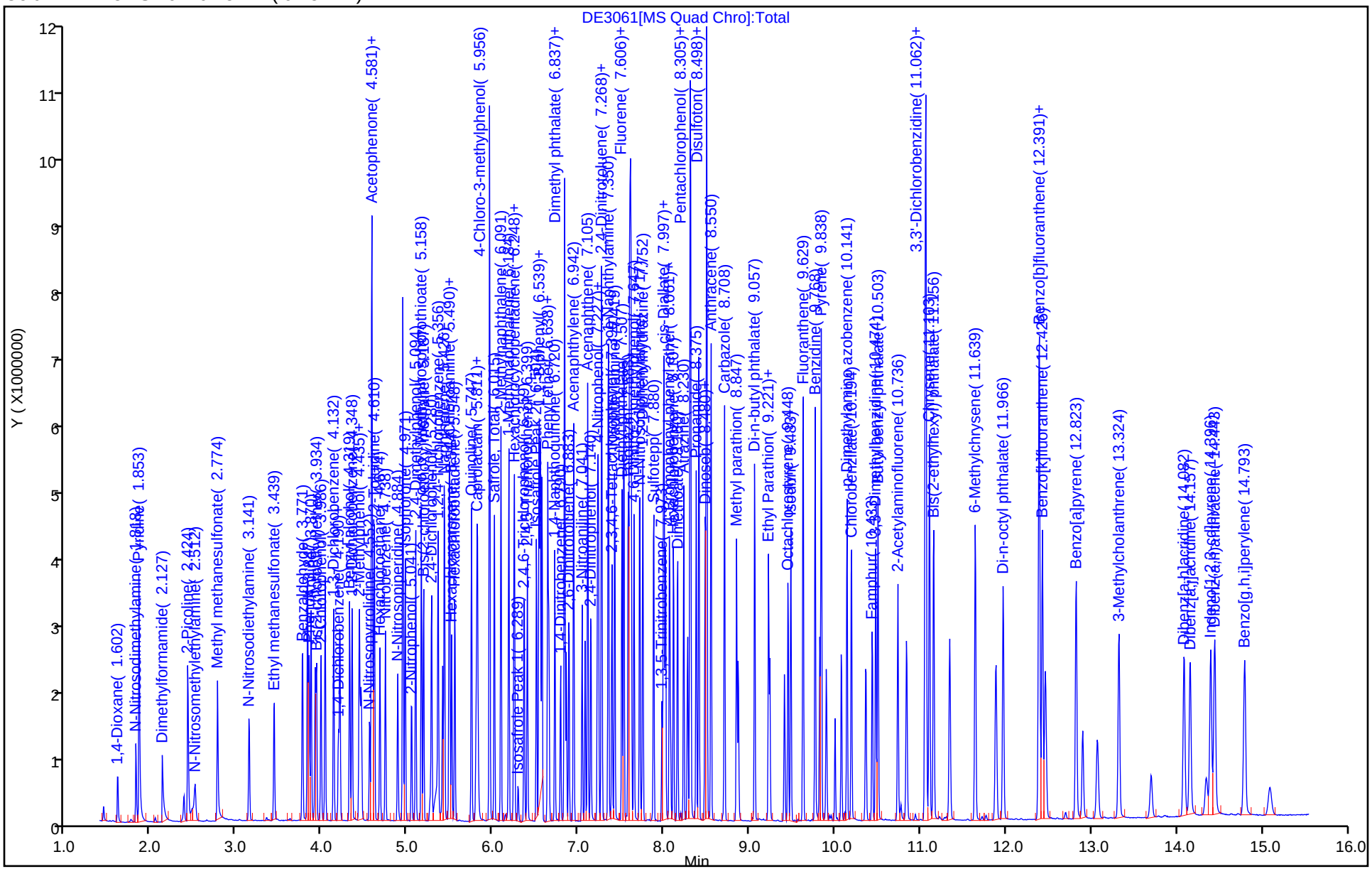
Report Date: 02-Jun-2025 07:02:34 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D

Injection Date:	31-May-2025 02:04:32	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



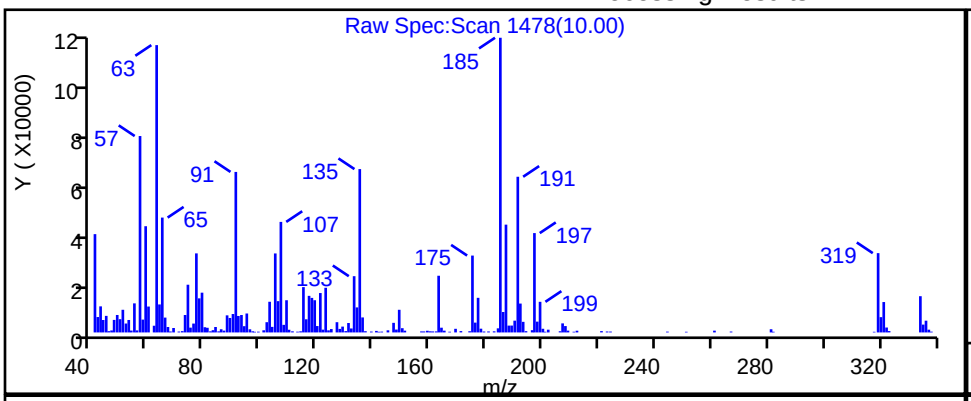
User Disabled Compound Report

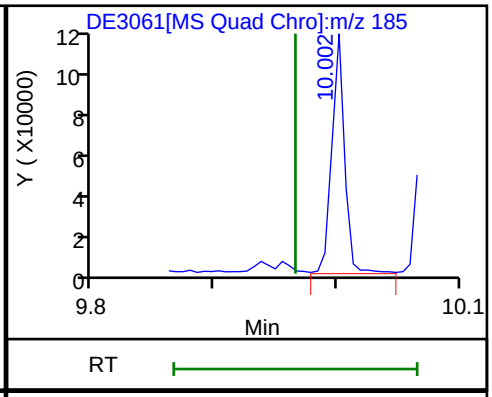
Eurofins Lancaster Laboratories Environment Testing, LLC

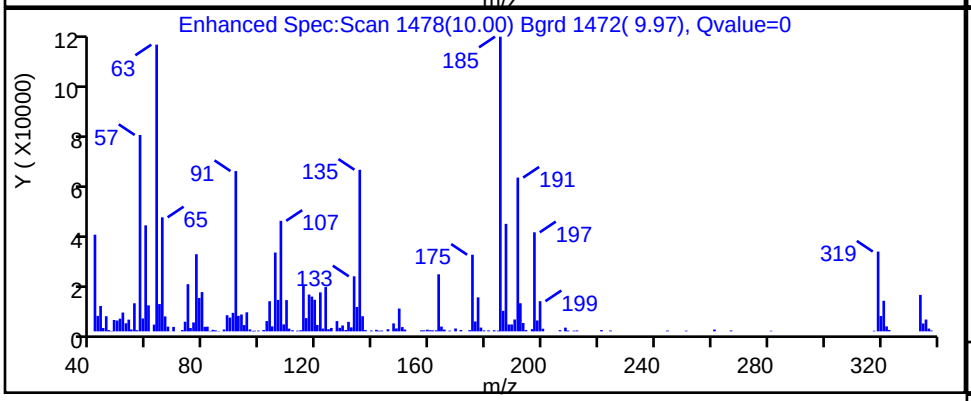
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D				
Injection Date:	31-May-2025 02:04:32	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

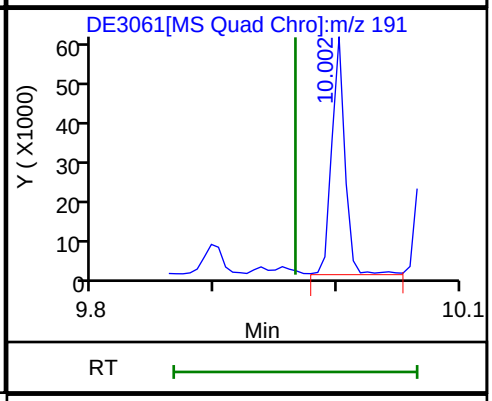
137 Aramite Peak 1, CAS: STL00690

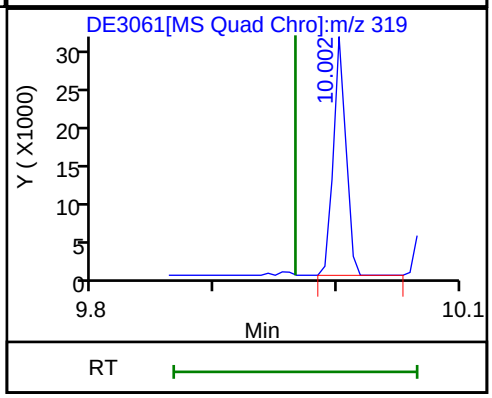
Processing Results











RT	Mass	Response	Amount
10.00	185.00	83273	11.662897
10.00	191.00	46959	
10.00	319.00	22474	
10.00	334.00	10717	
10.00	197.00	28632	

Reviewer: SJ89, 01-Jun-2025 12:38:13 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

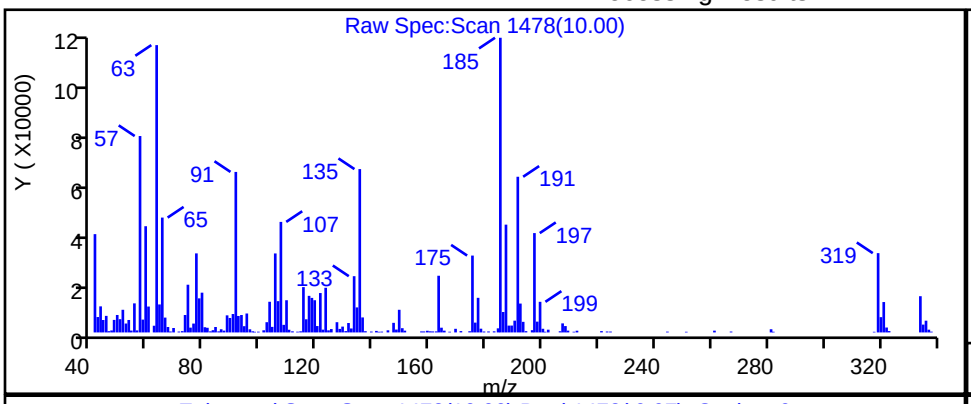
User Disabled Compound Report

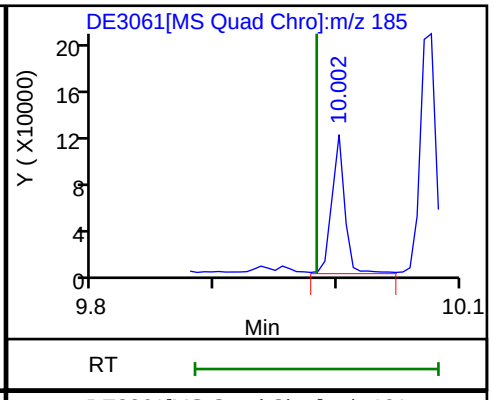
Eurofins Lancaster Laboratories Environment Testing, LLC

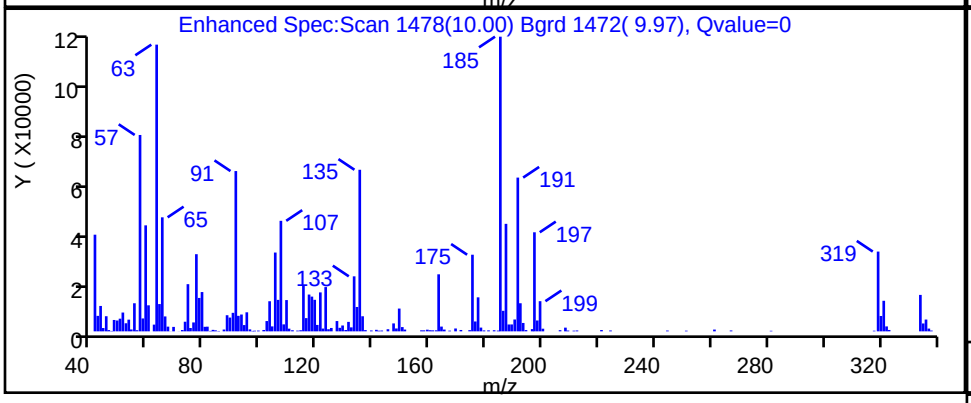
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D				
Injection Date:	31-May-2025 02:04:32	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

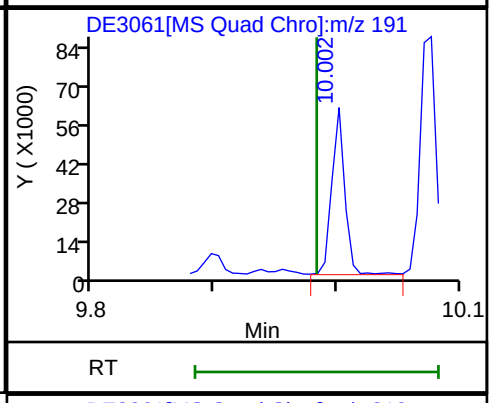
138 Aramite Peak 2, CAS: STL00691

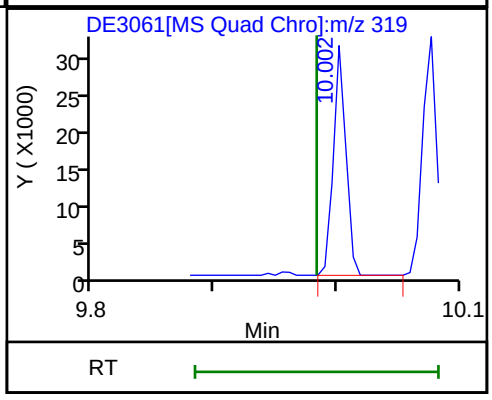
Processing Results











RT	Mass	Response	Amount
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10.00	191.00	46959	
10.00	319.00	22474	
10.00	334.00	10717	
10.00	197.00	28632	

Reviewer: SJ89, 01-Jun-2025 12:38:15 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

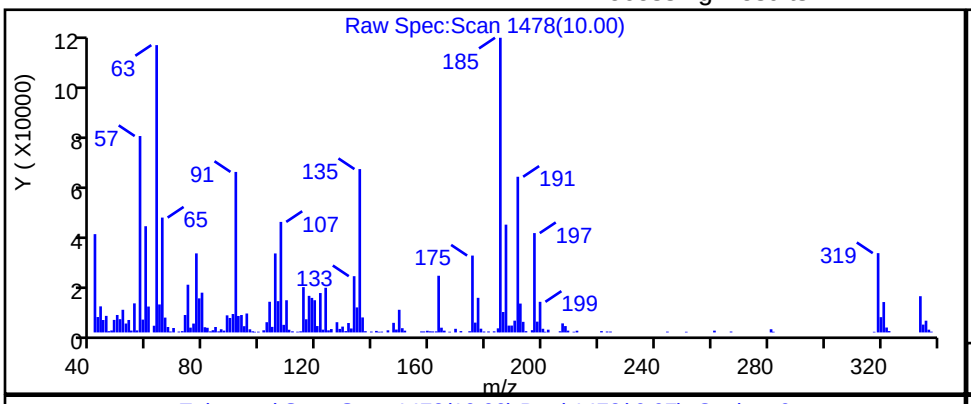
User Disabled Compound Report

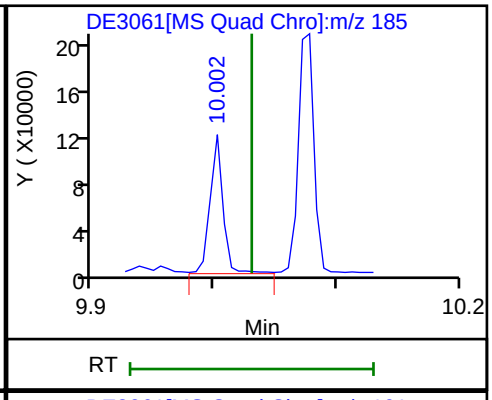
Eurofins Lancaster Laboratories Environment Testing, LLC

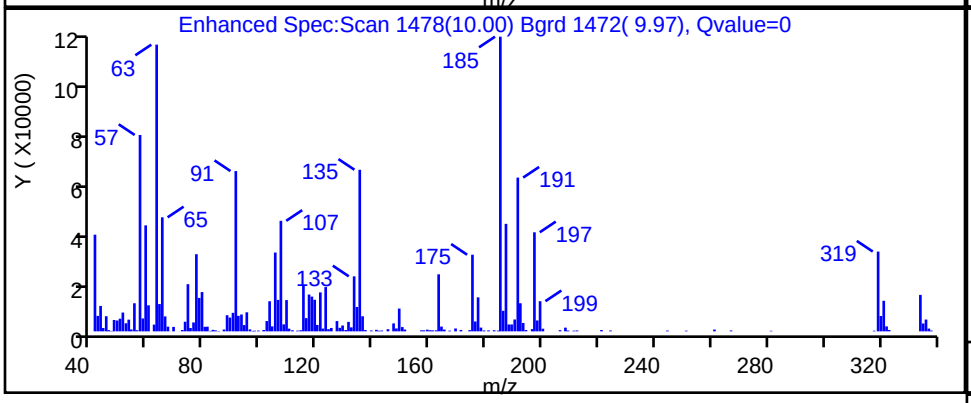
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D				
Injection Date:	31-May-2025 02:04:32	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

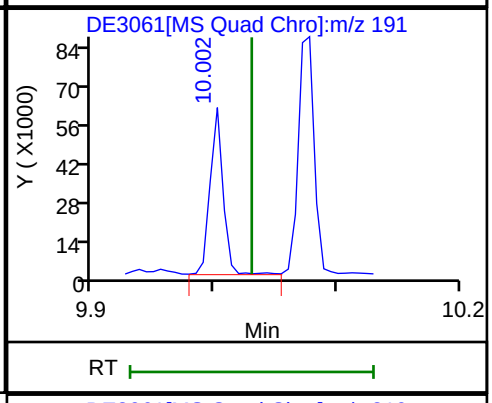
139 Aramite Peak 3, CAS: STL02688

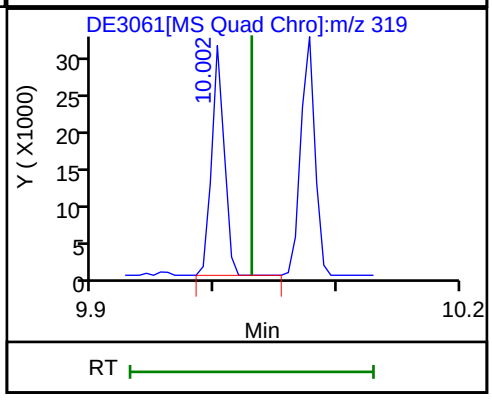
Processing Results











RT	Mass	Response	Amount
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10.00	191.00	46959	
10.00	319.00	22474	
10.00	334.00	10717	
10.00	197.00	28632	

Reviewer: SJ89, 01-Jun-2025 12:38:17 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

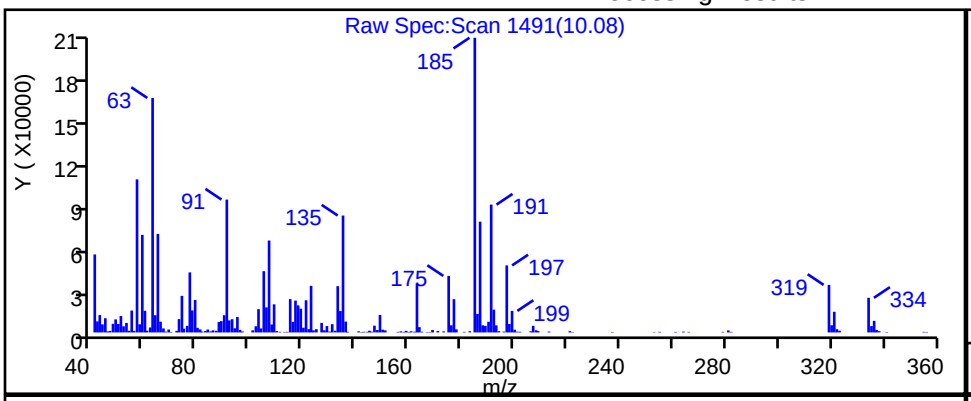
User Disabled Compound Report

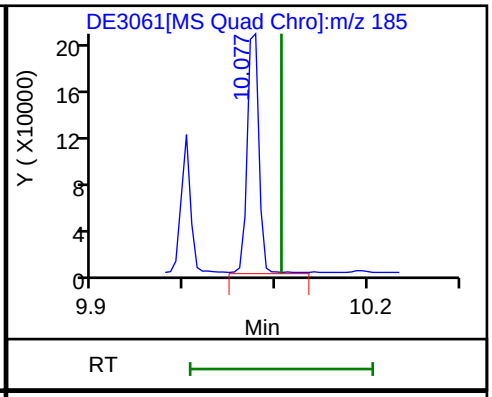
Eurofins Lancaster Laboratories Environment Testing, LLC

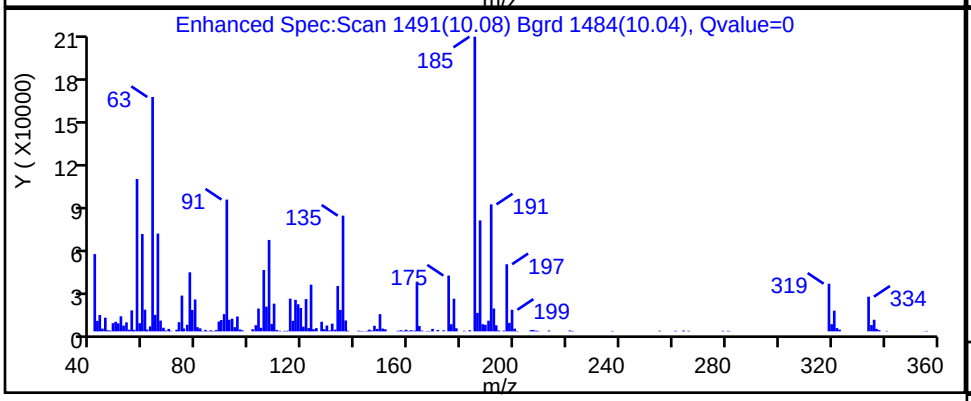
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D				
Injection Date:	31-May-2025 02:04:32	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

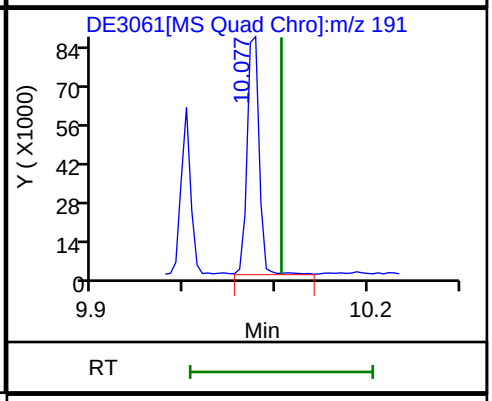
142 Aramite Peak 4, CAS: STL02689

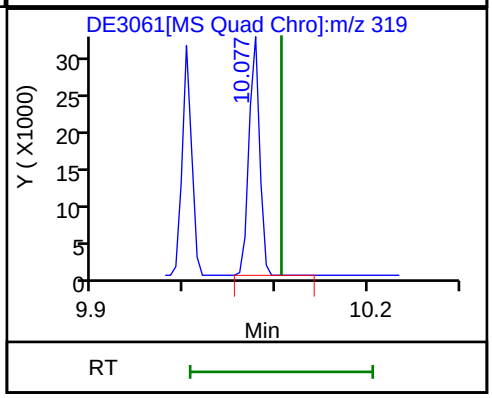
Processing Results











RT	Mass	Response	Amount
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10.08	191.00	81700	
10.08	319.00	26279	
10.08	334.00	17592	
10.08	197.00	40146	

Reviewer: SJ89, 01-Jun-2025 12:38:20 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-651088/12 Calibration Date: 05/31/2025 02:04

Instrument ID: HP19760 Calib Start Date: 05/30/2025 22:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/31/2025 00:59

Lab File ID: DE3061.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6075	0.5544		11.4	12.5	-8.7	30.0
N-Nitrosodimethylamine	Ave	0.999	0.9768		12.2	12.5	-2.3	30.0
Pyridine	Ave	1.598	1.500		23.5	25.0	-6.1	30.0
N,N-dimethylformamide	Ave	1.168	1.196		12.8	12.5	2.4	30.0
2-Picoline	Ave	1.615	1.681		13.0	12.5	4.1	30.0
N-Nitrosomethylethylamine	Ave	0.7893	0.7478		11.8	12.5	-5.3	30.0
Methyl methanesulfonate	Ave	0.9003	0.9621		13.4	12.5	6.9	30.0
N-Nitrosodiethylamine	Ave	0.7067	0.7570		13.4	12.5	7.1	30.0
Ethyl methanesulfonate	Ave	0.7794	0.8400		13.5	12.5	7.8	30.0
Benzaldehyde	Ave	1.416	1.252	0.0100	11.1	12.5	-11.6	30.0
Phenol	Ave	2.079	2.143	0.8000	12.9	12.5	3.1	30.0
Aniline	Ave	2.560	2.514		12.3	12.5	-1.8	30.0
Bis(2-chloroethyl)ether	Ave	1.651	1.606	0.7000	12.2	12.5	-2.7	30.0
2-Chlorophenol	Ave	1.330	1.341	0.8000	12.6	12.5	0.8	30.0
1,3-Dichlorobenzene	Ave	1.460	1.425		12.2	12.5	-2.4	30.0
1,4-Dichlorobenzene	Ave	1.478	1.452		12.3	12.5	-1.7	30.0
Benzyl alcohol	Ave	0.997	1.038		13.0	12.5	4.0	30.0
1,2-Dichlorobenzene	Ave	1.414	1.392		12.3	12.5	-1.5	30.0
2-Methylphenol	Ave	1.375	1.416	0.7000	12.9	12.5	2.9	30.0
bis(1-chloroispropyl)ether	Ave	2.097	2.018	0.0100	12.0	12.5	-3.8	30.0
N-Nitrosopyrrolidine	Ave	0.7761	0.9061		14.6	12.5	16.8	30.0
Acetophenone	Ave	2.303	2.332	0.0100	12.7	12.5	1.3	30.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.501	1.475	0.6000	12.3	12.5	-1.7	30.0
N-Nitrosodi-n-propylamine	Ave	1.317	1.324	0.5000	12.6	12.5	0.5	30.0
N-Nitrosomorpholine	Ave	0.9895	1.088		13.7	12.5	10.0	30.0
2-Toluidine	Ave	2.347	2.650		14.1	12.5	12.9	30.0
Hexachloroethane	Ave	0.6370	0.5915	0.3000	11.6	12.5	-7.1	30.0
Nitrobenzene	Ave	0.4454	0.4277	0.2000	12.0	12.5	-4.0	30.0
N-Nitrosopiperidine	Ave	0.1807	0.1990		13.8	12.5	10.1	30.0
Isophorone	Ave	0.8528	0.8302	0.4000	12.2	12.5	-2.7	30.0
2-Nitrophenol	Ave	0.1610	0.1612	0.1000	12.5	12.5	0.0	30.0
2,4-Dimethylphenol	Ave	0.3852	0.3887	0.2000	12.6	12.5	0.9	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1879	0.1931		12.8	12.5	2.8	30.0
Bis(2-chloroethoxy)methane	Ave	0.5377	0.5307	0.3000	12.3	12.5	-1.3	30.0
2,4-Dichlorophenol	Ave	0.2852	0.2862	0.2000	12.5	12.5	0.3	30.0
1,2,4-Trichlorobenzene	Ave	0.3209	0.3101		12.1	12.5	-3.4	30.0
Naphthalene	Ave	1.067	1.025	0.7000	12.0	12.5	-3.9	30.0
4-Chloroaniline	Ave	0.4413	0.4600	0.0100	13.0	12.5	4.2	30.0
2,6-Dichlorophenol	Ave	0.2910	0.2913		12.5	12.5	0.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-651088/12 Calibration Date: 05/31/2025 02:04

Instrument ID: HP19760 Calib Start Date: 05/30/2025 22:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/31/2025 00:59

Lab File ID: DE3061.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.1890	0.2020		13.4	12.5	6.8	30.0
Hexachlorobutadiene	Ave	0.1918	0.1816	0.0100	11.8	12.5	-5.3	30.0
Quinoline	Ave	0.6927	0.7301		13.2	12.5	5.4	30.0
Caprolactam	Ave	0.1101	0.1190	0.0100	13.5	12.5	8.0	30.0
N-Nitrosodi-n-butylamine	Ave	0.3871	0.4224		13.6	12.5	9.1	30.0
4-Chloro-3-methylphenol	Ave	0.3501	0.3515	0.2000	12.6	12.5	0.4	30.0
Safrole, Total	Ave	0.2705	0.2894		13.4	12.5	7.0	30.0
2-Methylnaphthalene	Ave	0.6310	0.6950	0.4000	13.8	12.5	10.1	30.0
1-Methylnaphthalene	Ave	0.6744	0.6425		11.9	12.5	-4.7	30.0
Hexachlorocyclopentadiene	Ave	0.3741	0.2772	0.0500	9.26	12.5	-25.9	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6134	0.5907	0.0100	12.0	12.5	-3.7	30.0
Isosafrole Peak 1	Ave	0.5004	0.5220		1.56	1.50	4.3	30.0
2,4,6-Trichlorophenol	Ave	0.3669	0.3750	0.2000	12.8	12.5	2.2	30.0
2,4,5-Trichlorophenol	Ave	0.4123	0.4240	0.2000	12.9	12.5	2.8	30.0
Isosafrole Peak 2	Ave	0.5480	0.5902		11.8	11.0	7.7	30.0
1,1'-Biphenyl	Ave	1.507	1.490	0.0100	12.4	12.5	-1.1	30.0
2-Chloronaphthalene	Ave	1.155	1.211	0.8000	13.1	12.5	4.8	30.0
1-Chloronaphthalene	Ave	1.050	1.043		12.4	12.5	-0.6	30.0
Diphenyl ether	Ave	0.8799	0.8213		11.7	12.5	-6.7	30.0
2-Nitroaniline	Ave	0.3523	0.3554	0.0100	12.6	12.5	0.9	30.0
1,4-Naphthoquinone	Ave	0.4351	0.4865		14.0	12.5	11.8	30.0
1,4-Dinitrobenzene	Ave	0.1657	0.1867		14.1	12.5	12.7	30.0
Dimethyl phthalate	Ave	1.340	1.365	0.0100	12.7	12.5	1.9	30.0
1,3-Dinitrobenzene	Ave	0.2040	0.2159		13.2	12.5	5.9	30.0
2,6-Dinitrotoluene	Ave	0.2683	0.2931	0.2000	13.7	12.5	9.3	30.0
Acenaphthylene	Ave	1.821	1.900	0.9000	13.0	12.5	4.3	30.0
3-Nitroaniline	Ave	0.3229	0.3265	0.0100	12.6	12.5	1.1	30.0
Acenaphthene	Ave	1.214	1.210	0.9000	12.5	12.5	-0.3	30.0
2,4-Dinitrophenol	Ave	0.1615	0.1609	0.0100	24.9	25.0	-0.4	30.0
4-Nitrophenol	Ave	0.2005	0.2061	0.0100	25.7	25.0	2.8	30.0
Pentachlorobenzene	Ave	0.5316	0.5383		12.7	12.5	1.3	30.0
2,4-Dinitrotoluene	Ave	0.3785	0.3986	0.2000	13.2	12.5	5.3	30.0
Dibenzofuran	Ave	1.739	1.697	0.8000	12.2	12.5	-2.4	30.0
1-Naphthylamine	Ave	1.124	1.155		12.9	12.5	2.8	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3501	0.3602	0.0100	12.9	12.5	2.9	30.0
2-Naphthylamine	Ave	1.201	1.343		14.0	12.5	11.9	30.0
Diethyl phthalate	Ave	1.370	1.355	0.0100	12.4	12.5	-1.1	30.0
Thionazin	Ave	0.2430	0.2675		13.8	12.5	10.1	30.0
Fluorene	Ave	1.402	1.392	0.9000	12.4	12.5	-0.7	30.0
4-Chlorophenyl-phenyl ether	Ave	0.6859	0.6801	0.4000	12.4	12.5	-0.8	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-651088/12 Calibration Date: 05/31/2025 02:04

Instrument ID: HP19760 Calib Start Date: 05/30/2025 22:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/31/2025 00:59

Lab File ID: DE3061.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
5-Nitro-o-toluidine	Ave	0.3428	0.4001		14.6	12.5	16.7	30.0
4-Nitroaniline	Ave	0.3179	0.3315	0.0100	13.0	12.5	4.3	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1212	0.1242	0.0100	25.6	25.0	2.4	30.0
N-Nitrosodiphenylamine	Ave	0.5969	0.6344	0.0100	11.3	10.6	6.3	30.0
1,2-Diphenylhydrazine	Ave	0.8863	0.9240		13.0	12.5	4.2	30.0
Sulfotepp	Ave	0.1446	0.1570		13.6	12.5	8.5	30.0
1,3,5-Trinitrobenzene	Ave	0.0687	0.0731			12.5	6.3	30.0
cis-Diallate	Ave	0.3842	0.4286		10.5	9.38	11.6	30.0
Phorate	Ave	0.5276	0.5856		13.9	12.5	11.0	30.0
Phenacetin	Ave	0.3518	0.3901		13.9	12.5	10.9	30.0
4-Bromophenyl-phenylether	Ave	0.2098	0.2200	0.1000	13.1	12.5	4.8	30.0
trans-Diallate	Ave	0.3694	0.4156		3.52	3.13	12.5	30.0
Hexachlorobenzene	Ave	0.2268	0.2232	0.1000	12.3	12.5	-1.6	30.0
Dimethoate	Ave	0.3228	0.3781		14.6	12.5	17.1	30.0
Atrazine	Ave	0.1919	0.2134	0.0100	13.9	12.5	11.2	30.0
Pentachlorophenol	Lin2		0.1417	0.0500	24.2	25.0	-3.1	30.0
4-Aminobiphenyl	Ave	0.7739	0.8248		13.3	12.5	6.6	30.0
Pentachloronitrobenzene	Ave	0.0910	0.0979		13.4	12.5	7.6	30.0
Pronamide	Ave	0.2941	0.3307		14.1	12.5	12.5	30.0
Dinoseb	Lin2		0.1799		13.3	12.5	6.5	30.0
Disulfoton	Ave	0.4965	0.5615		14.1	12.5	13.1	30.0
Phenanthrene	Ave	1.080	1.082	0.7000	12.5	12.5	0.1	30.0
Anthracene	Ave	1.057	1.113	0.7000	13.2	12.5	5.3	30.0
Carbazole	Ave	0.9601	0.998	0.0100	13.0	12.5	4.0	30.0
Methyl parathion	Ave	0.2344	0.2858		15.2	12.5	21.9	30.0
Di-n-butyl phthalate	Ave	1.021	1.165	0.0100	14.3	12.5	14.0	30.0
Parathion	Ave	0.1409	0.1606		14.2	12.5	14.0	30.0
4-Nitroquinoline-1-oxide	Lin1		0.0676		11.4	12.5	-9.1	30.0
Octachlorostyrene	Ave	0.0850	0.0850		12.5	12.5	-0.0	30.0
Isodrin	Ave	0.1238	0.1239		12.5	12.5	0.0	30.0
Fluoranthene	Ave	1.131	1.171	0.6000	12.9	12.5	3.6	30.0
Benzidine	Ave	0.7314	0.9263		15.8	12.5	26.6	30.0
Pyrene	Ave	1.245	1.196	0.6000	12.0	12.5	-3.9	30.0
p-Dimethylamino azobenzene	Ave	0.1871	0.2230		14.9	12.5	19.2	30.0
Chlorobenzilate	Ave	0.2960	0.3360		14.2	12.5	13.5	30.0
3,3'-Dimethylbenzidine	Ave	0.5368	0.6198		14.4	12.5	15.5	30.0
Butylbenzylphthalate	Ave	0.4405	0.4732	0.0100	13.4	12.5	7.4	30.0
2-Acetylaminofluorene	Ave	0.3587	0.3532		12.3	12.5	-1.5	30.0
3,3'-Dichlorobenzidine	Ave	0.4081	0.5473	0.0100	16.8	12.5	34.1*	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-651088/12 Calibration Date: 05/31/2025 02:04

Instrument ID: HP19760 Calib Start Date: 05/30/2025 22:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/31/2025 00:59

Lab File ID: DE3061.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,4'-Methylene bis(2-chloroaniline)	Ave	0.1873	0.2101		14.0	12.5	12.2	30.0
Benzo[a]anthracene	Ave	0.9899	1.032	0.8000	13.0	12.5	4.2	30.0
Chrysene	Ave	0.9684	0.9776	0.7000	12.6	12.5	0.9	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6247	0.6088	0.0100	12.2	12.5	-2.5	30.0
6-Methylchrysene	Ave	0.6349	0.6768		13.3	12.5	6.6	30.0
Di-n-octyl phthalate	Lin2		1.251	0.0100	12.3	12.5	-1.5	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4933	0.5689		14.4	12.5	15.3	30.0
Benzo[b]fluoranthene	Ave	1.201	1.306	0.7000	13.6	12.5	8.7	30.0
Benzo[k]fluoranthene	Ave	1.271	1.265	0.7000	12.4	12.5	-0.5	30.0
Benzo[a]pyrene	Ave	1.118	1.165	0.7000	13.0	12.5	4.2	30.0
3-Methylcholanthrene	Ave	0.5205	0.5554		13.3	12.5	6.7	30.0
Dibenz[a,h]acridine	Ave	0.7781	0.9069		14.6	12.5	16.5	30.0
Dibenz[a,j]acridine	Ave	0.9226	0.9452		12.8	12.5	2.5	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.026	0.9859	0.5000	12.0	12.5	-3.9	30.0
Dibenz(a,h)anthracene	Ave	1.034	1.044	0.4000	12.6	12.5	1.0	30.0
Benzo[g,h,i]perylene	Ave	1.053	1.020	0.5000	12.1	12.5	-3.1	30.0
1,4-phenylenediamine	Ave	0.3784				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 31-May-2025 02:04:32 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0148877-012
Operator ID: IR93211 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 02-Jun-2025 07:02:03 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: W6ZA Date: 02-Jun-2025 07:02:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.608	1.608	0.000	94	233952	12.5	11.4	
3 N-Nitrosodimethylamine	74	1.818	1.818	0.000	95	412231	12.5	12.2	
4 Pyridine	79	1.853	1.859	-0.006	98	1266090	25.0	23.5	
6 Dimethylformamide	73	2.127	2.133	-0.006	94	504806	12.5	12.8	
7 2-Picoline	93	2.424	2.430	-0.006	91	709466	12.5	13.0	
8 N-Nitrosomethylethylamine	88	2.512	2.512	0.000	93	315560	12.5	11.8	
9 Methyl methanesulfonate	80	2.774	2.774	0.000	85	406023	12.5	13.4	
11 N-Nitrosodiethylamine	102	3.141	3.141	0.000	96	319452	12.5	13.4	
12 Ethyl methanesulfonate	109	3.439	3.433	0.006	98	354487	12.5	13.5	
15 Benzaldehyde	77	3.771	3.765	0.006	96	528158	12.5	11.1	
17 Phenol	94	3.847	3.847	0.000	93	904171	12.5	12.9	
18 Aniline	93	3.870	3.870	0.000	96	1060945	12.5	12.3	
19 Bis(2-chloroethyl)ether	93	3.934	3.934	0.000	96	677832	12.5	12.2	
20 2-Chlorophenol	128	3.986	3.987	-0.001	95	565806	12.5	12.6	
21 1,3-Dichlorobenzene	146	4.132	4.132	0.000	95	601415	12.5	12.2	
* 22 1,4-Dichlorobenzene-d4	152	4.190	4.185	0.005	96	168803	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.208	4.202	0.006	91	612821	12.5	12.3	
25 Benzyl alcohol	108	4.319	4.319	0.000	92	437923	12.5	13.0	
26 1,2-Dichlorobenzene	146	4.348	4.348	0.000	94	587593	12.5	12.3	
28 2-Methylphenol	108	4.435	4.430	0.005	94	597410	12.5	12.9	
29 2,2'-oxybis[1-chloropropane]	45	4.453	4.453	0.000	93	851580	12.5	12.0	
14 Indene	115		4.458				ND	ND	U
31 N-Nitrosopyrrolidine	100	4.552	4.552	0.000	92	382371	12.5	14.6	
34 Acetophenone	105	4.575	4.575	0.000	98	984318	12.5	12.7	
33 N-Nitrosodi-n-propylamine	70	4.581	4.575	0.006	83	558597	12.5	12.6	
32 4-Methylphenol	108	4.581	4.581	0.000	94	622484	12.5	12.3	
35 N-Nitrosomorpholine	56	4.593	4.593	0.000	91	459253	12.5	13.7	
36 2-Toluidine	106	4.610	4.610	0.000	94	1118222	12.5	14.1	
38 Hexachloroethane	117	4.674	4.674	0.000	97	249632	12.5	11.6	
40 Nitrobenzene	77	4.738	4.738	0.000	86	746391	12.5	12.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 N-Nitrosopiperidine	114	4.884	4.884	0.000	84	347182	12.5	13.8	
	43 Isophorone	82	4.971	4.972	-0.001	97	1448614	12.5	12.2	
	44 2-Nitrophenol	139	5.047	5.042	0.005	91	281219	12.5	12.5	
	45 2,4-Dimethylphenol	107	5.094	5.094	0.000	97	678355	12.5	12.6	
	46 o,o',o''-Triethylphosphorothioat	198	5.158	5.158	0.000	92	337025	12.5	12.8	
	47 Bis(2-chloroethoxy)methane	93	5.187	5.181	0.006	99	926052	12.5	12.3	
	30 Benzoic acid	105		5.192				ND	ND	U
	48 2,4-Dichlorophenol	162	5.280	5.281	0.000	96	499432	12.5	12.5	
	49 1,2,4-Trichlorobenzene	180	5.356	5.356	0.000	93	541055	12.5	12.1	
*	50 Naphthalene-d8	136	5.409	5.409	0.000	100	697992	5.00	5.00	
	51 Naphthalene	128	5.426	5.426	0.000	98	1789174	12.5	12.0	
	53 4-Chloroaniline	127	5.484	5.485	0.000	94	802618	12.5	13.0	
	54 2,6-Dichlorophenol	162	5.490	5.490	0.000	93	508357	12.5	12.5	
	55 Hexachloropropene	213	5.514	5.514	0.000	89	352407	12.5	13.4	
	56 Hexachlorobutadiene	225	5.548	5.549	-0.001	97	316879	12.5	11.8	
	60 Quinoline	129	5.747	5.747	0.000	95	1273962	12.5	13.2	
	61 Caprolactam	113	5.805	5.799	0.006	77	207653	12.5	13.5	
	62 N-Nitrosodi-n-butylamine	84	5.811	5.811	0.000	92	737071	12.5	13.6	
	63 p-Phenylene diamine	108		5.823				ND	ND	U
	64 4-Chloro-3-methylphenol	107	5.956	5.957	-0.001	94	613419	12.5	12.6	
	65 Safrole, Total	162	6.015	6.015	0.000	86	504926	12.5	13.4	
	66 2-Methylnaphthalene	142	6.091	6.091	0.000	91	1212829	12.5	13.8	
	67 1-Methylnaphthalene	142	6.184	6.184	0.000	92	1121143	12.5	11.9	
	68 Hexachlorocyclopentadiene	237	6.242	6.242	0.000	94	286352	12.5	9.26	
	69 1,2,4,5-Tetrachlorobenzene	216	6.248	6.248	0.000	98	610150	12.5	12.0	
	70 Isosafrole Peak 1	162	6.295	6.289	0.006	88	64704	1.50	1.56	
	71 2,4,6-Trichlorophenol	196	6.364	6.359	0.005	94	387375	12.5	12.8	
	72 2,4,5-Trichlorophenol	196	6.399	6.400	-0.001	94	437919	12.5	12.9	
	74 Isosafrole Peak 2	162	6.504	6.505	0.000	89	536431	11.0	11.8	
	75 1,1'-Biphenyl	154	6.539	6.534	0.005	94	1538662	12.5	12.4	
	76 2-Chloronaphthalene	162	6.551	6.551	0.000	94	1250492	12.5	13.1	M
	77 1-Chloronaphthalene	162	6.568	6.569	-0.001	98	1077616	12.5	12.4	Ma
	78 Phenyl ether	170	6.638	6.639	-0.001	87	848374	12.5	11.7	
	79 2-Nitroaniline	138	6.650	6.650	0.000	76	367112	12.5	12.6	
	81 1,4-Naphthoquinone	158	6.720	6.720	0.000	84	502477	12.5	14.0	
	84 1,4-Dinitrobenzene	168	6.790	6.790	0.000	87	192871	12.5	14.1	
	85 Dimethyl phthalate	163	6.837	6.831	0.006	98	1410162	12.5	12.7	
	86 1,3-Dinitrobenzene	168	6.854	6.854	0.000	84	223054	12.5	13.2	
	87 2,6-Dinitrotoluene	165	6.889	6.883	0.006	90	302788	12.5	13.7	
	88 Acenaphthylene	152	6.942	6.942	0.000	99	1962882	12.5	13.0	
	89 3-Nitroaniline	138	7.041	7.041	0.000	88	337203	12.5	12.6	
*	90 Acenaphthene-d10	164	7.076	7.076	0.000	95	413167	5.00	5.00	
	91 Acenaphthene	153	7.105	7.105	0.000	97	1249984	12.5	12.5	
	92 2,4-Dinitrophenol	184	7.146	7.140	0.006	85	332491	25.0	24.9	
	93 4-Nitrophenol	109	7.221	7.221	0.000	85	425780	25.0	25.7	
	94 Pentachlorobenzene	250	7.233	7.233	0.000	98	556014	12.5	12.7	
	95 2,4-Dinitrotoluene	165	7.268	7.262	0.006	85	411697	12.5	13.2	
	96 Dibenzofuran	168	7.268	7.268	0.000	96	1753214	12.5	12.2	
	97 1-Naphthylamine	143	7.344	7.344	0.000	99	1193367	12.5	12.9	
	98 2,3,4,6-Tetrachlorophenol	232	7.390	7.390	0.000	73	372035	12.5	12.9	
	99 2-Naphthylamine	143	7.419	7.420	-0.001	95	1387512	12.5	14.0	
	100 Diethyl phthalate	149	7.507	7.507	0.000	98	1399707	12.5	12.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Thionazin	107	7.583	7.577	0.006	78	276261	12.5	13.8	
102 Fluorene	166	7.594	7.594	0.000	93	1438002	12.5	12.4	
103 4-Chlorophenyl phenyl ether	204	7.600	7.600	0.000	91	702534	12.5	12.4	
104 N-Nitro-o-toluidine	152	7.612	7.606	0.006	79	413281	12.5	14.6	
105 4-Nitroaniline	138	7.618	7.612	0.006	79	342458	12.5	13.0	
106 4,6-Dinitro-2-methylphenol	198	7.647	7.647	0.000	80	475050	25.0	25.6	
107 N-Nitrosodiphenylamine	169	7.717	7.711	0.006	63	1031419	10.6	11.3	
108 1,2-Diphenylhydrazine	77	7.752	7.752	0.000	41	1767327	12.5	13.0	
110 Sulfotepp	97	7.874	7.874	0.000	77	300254	12.5	13.6	
112 1,3,5-Trinitrobenzene	213	7.979	7.973	0.006	83	139729	12.5	13.3	
113 cis-Diallate	86	7.991	7.991	0.000	0	614861	9.38	10.5	
114 Phorate	75	7.997	7.997	-0.001	95	1120012	12.5	13.9	
115 Phenacetin	108	8.014	8.014	0.000	92	746064	12.5	13.9	
116 4-Bromophenyl phenyl ether	248	8.066	8.061	0.005	67	420712	12.5	13.1	
117 trans-Diallate	86	8.072	8.072	0.000	0	198739	3.13	3.52	
118 Hexachlorobenzene	284	8.107	8.107	0.000	94	426880	12.5	12.3	
119 Dimethoate	87	8.160	8.154	0.006	97	723259	12.5	14.6	
120 Atrazine	200	8.230	8.230	0.000	91	408245	12.5	13.9	
121 Pentachlorophenol	266	8.305	8.300	0.005	92	542209	25.0	24.2	
122 4-Aminobiphenyl	169	8.311	8.306	0.005	91	1577591	12.5	13.3	
123 Pentachloronitrobenzene	237	8.311	8.311	0.000	86	187287	12.5	13.4	
124 Pronamide	173	8.375	8.376	-0.001	90	632523	12.5	14.1	
* 126 Phenanthrene-d10	188	8.480	8.475	0.005	98	765088	5.00	5.00	
125 Dinoseb	211	8.486	8.486	0.000	95	344192	12.5	13.3	
127 Disulfoton	88	8.498	8.498	0.000	94	1073969	12.5	14.1	
128 Phenanthrene	178	8.498	8.498	0.000	97	2068794	12.5	12.5	
129 Anthracene	178	8.550	8.550	0.000	98	2128997	12.5	13.2	
130 Carbazole	167	8.708	8.708	0.000	96	1909154	12.5	13.0	
131 Methyl parathion	109	8.847	8.848	-0.001	91	546669	12.5	15.2	
133 Di-n-butyl phthalate	149	9.057	9.057	0.000	100	2227937	12.5	14.3	
134 Ethyl Parathion	109	9.221	9.221	0.000	84	307140	12.5	14.2	
135 4-Nitroquinoline-1-oxide	190	9.238	9.238	0.000	80	129317	12.5	11.4	
140 Octachlorostyrene	308	9.448	9.454	-0.006	93	162562	12.5	12.5	
141 Isodrin	193	9.483	9.483	0.000	93	237032	12.5	12.5	
143 Fluoranthene	202	9.629	9.629	0.000	98	2240238	12.5	12.9	
S 136 Diallate	86				0		12.5	14.0	
147 Benzidine	184	9.768	9.769	-0.001	99	1807366	12.5	15.8	
* 149 Pyrene-d10 (IS)	212	9.821	9.821	0.000	99	780494	5.00	5.00	
150 Pyrene	202	9.838	9.838	0.000	97	2333567	12.5	12.0	
137 Aramite Peak 1	185		9.966				ND	ND	U
138 Aramite Peak 2	185		9.983				ND	ND	U
139 Aramite Peak 3	185		10.030				ND	ND	U
142 Aramite Peak 4	185		10.106				ND	ND	U
154 p-Dimethylamino azobenzene	225	10.141	10.142	-0.001	94	435168	12.5	14.9	
155 Chlorobenzilate	139	10.194	10.194	0.000	91	655592	12.5	14.2	
151 Famphur	218	10.439	10.467	-0.028	85	648162	12.5	15.7	
156 3,3'-Dimethylbenzidine	212	10.474	10.474	0.000	99	1209450	12.5	14.4	
157 Butyl benzyl phthalate	149	10.503	10.503	0.000	96	923394	12.5	13.4	
158 2-Acetylaminofluorene	181	10.736	10.736	0.000	94	689178	12.5	12.3	
159 3,3'-Dichlorobenzidine	252	11.057	11.051	0.006	76	1067953	12.5	16.8	
160 4,4'-Methylene bis(2-chloroanil	231	11.062	11.063	0.000	94	409958	12.5	14.0	
161 Benzo[a]anthracene	228	11.062	11.063	0.000	99	2012889	12.5	13.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	11.103	11.103	0.000	97	1907536	12.5	12.6	
163 Bis(2-ethylhexyl) phthalate	149	11.156	11.156	0.000	98	1187837	12.5	12.2	
164 6-Methylchrysene	242	11.639	11.640	-0.001	99	1320522	12.5	13.3	
165 Di-n-octyl phthalate	149	11.966	11.966	0.000	99	1871973	12.5	12.3	
167 Benzo[b]fluoranthene	252	12.391	12.386	0.005	97	1954441	12.5	13.6	
166 7,12-Dimethylbenz(a)anthracene	256	12.391	12.386	0.005	74	851300	12.5	14.4	
168 Benzo[k]fluoranthene	252	12.426	12.426	0.000	99	1893443	12.5	12.4	
169 Benzo[a]pyrene	252	12.823	12.823	0.000	78	1743332	12.5	13.0	
* 170 Perylene-d12	264	12.898	12.899	-0.001	98	598519	5.00	5.00	
171 3-Methylcholanthrene	268	13.324	13.318	0.006	91	831065	12.5	13.3	
172 Dibenz[a,h]acridine	279	14.082	14.082	0.000	91	1356928	12.5	14.6	
173 Dibenz[a,j]acridine	279	14.157	14.152	0.005	96	1414284	12.5	12.8	
174 Indeno[1,2,3-cd]pyrene	276	14.396	14.396	0.000	99	1475255	12.5	12.0	
175 Dibenz(a,h)anthracene	278	14.443	14.443	0.000	94	1562151	12.5	12.6	
176 Benzo[g,h,i]perylene	276	14.793	14.787	0.006	98	1526311	12.5	12.1	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	13.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

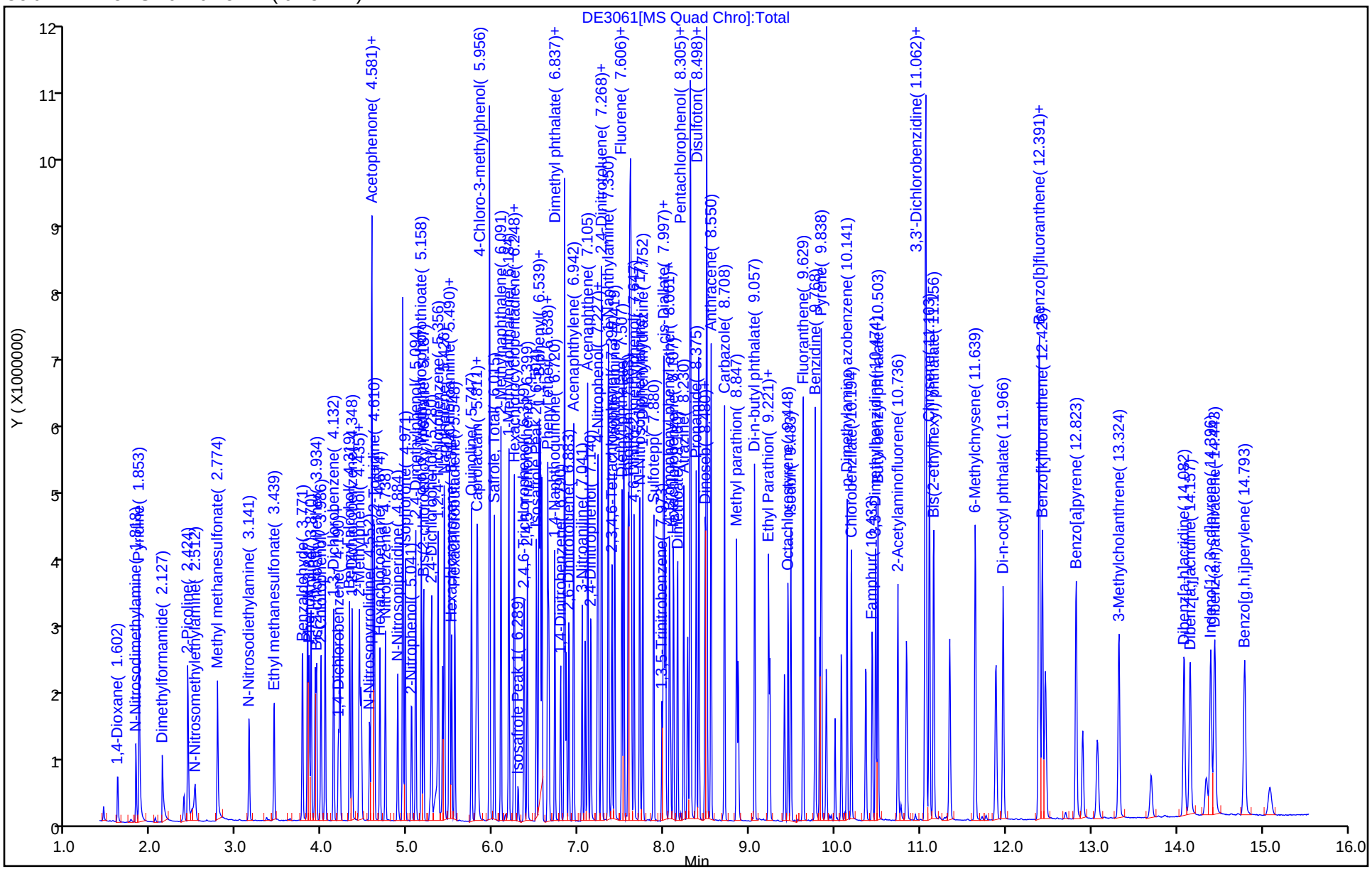
Report Date: 02-Jun-2025 07:02:34 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D

Injection Date:	31-May-2025 02:04:32	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

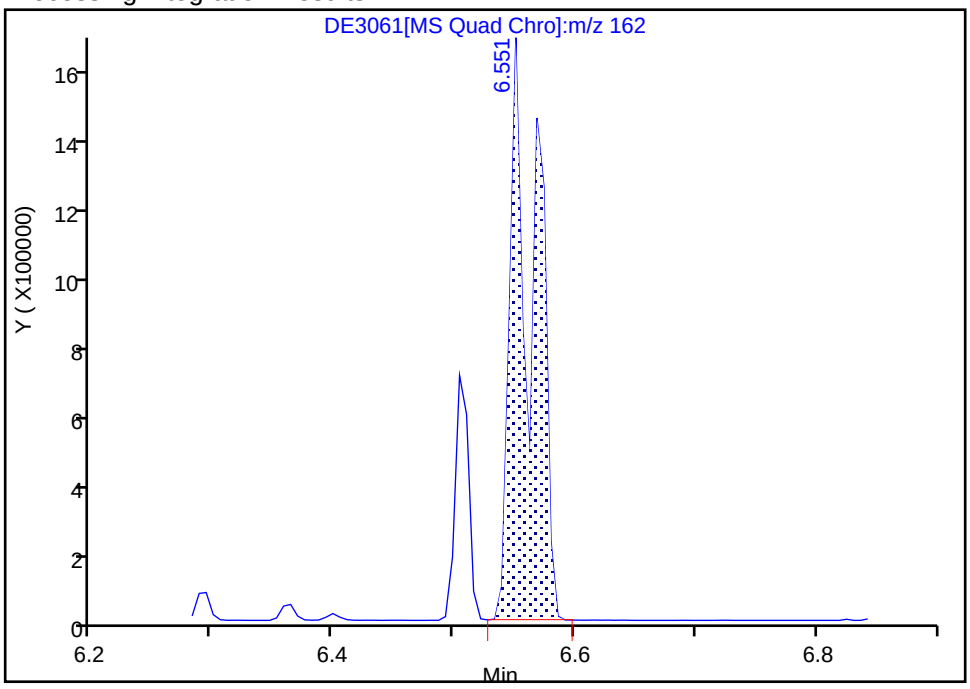
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D				
Injection Date:	31-May-2025 02:04:32	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

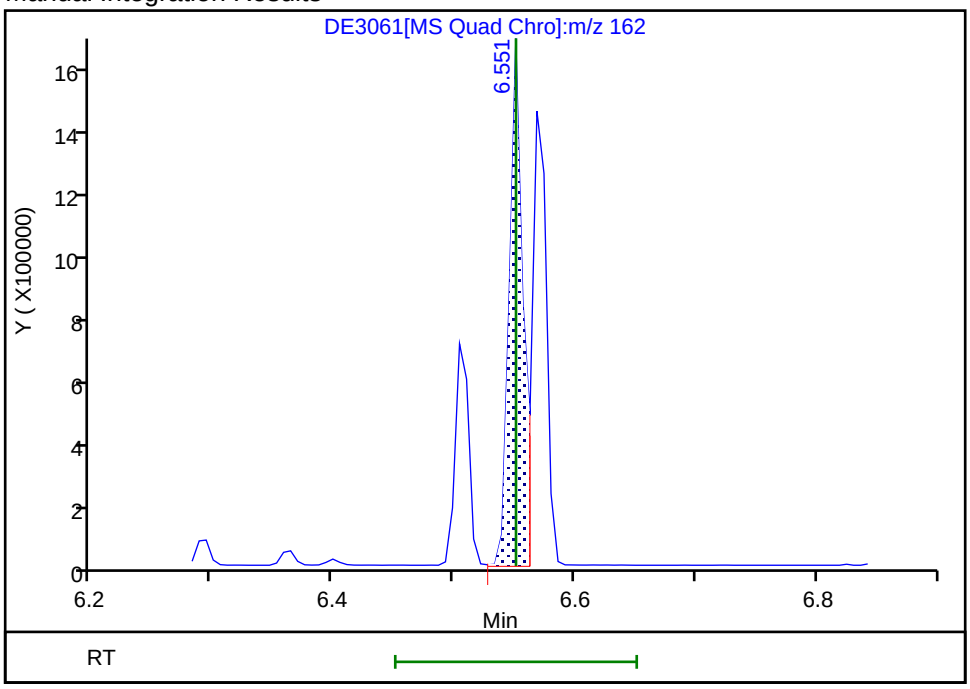
Processing Integration Results

RT: 6.55
Area: 2328109
Amount: 24.394944
Amount Units: ug/ml



Manual Integration Results

RT: 6.55
Area: 1250492
Amount: 13.103202
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 12:36:59 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

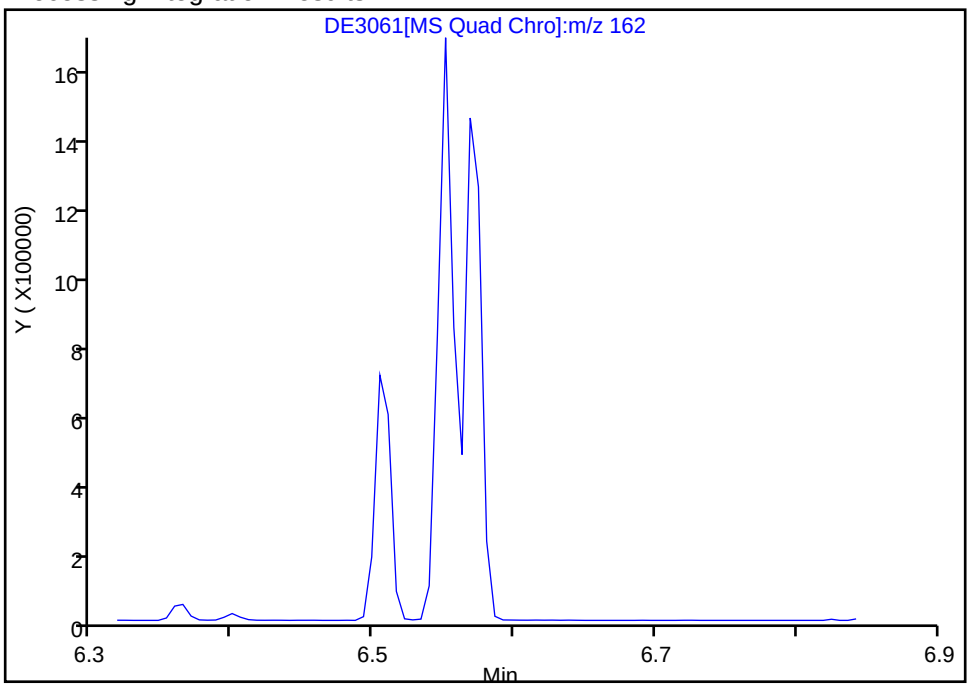
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D				
Injection Date:	31-May-2025 02:04:32	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

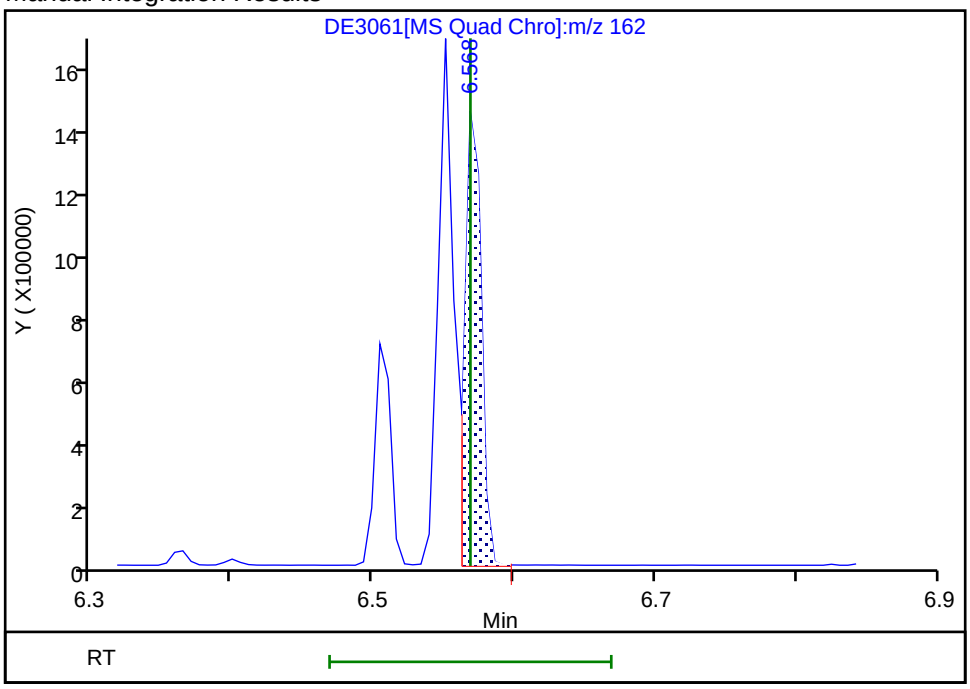
Not Detected
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57
Area: 1077616
Amount: 12.425369
Amount Units: ug/ml



Reviewer: SJ89, 01-Jun-2025 12:37:12 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline

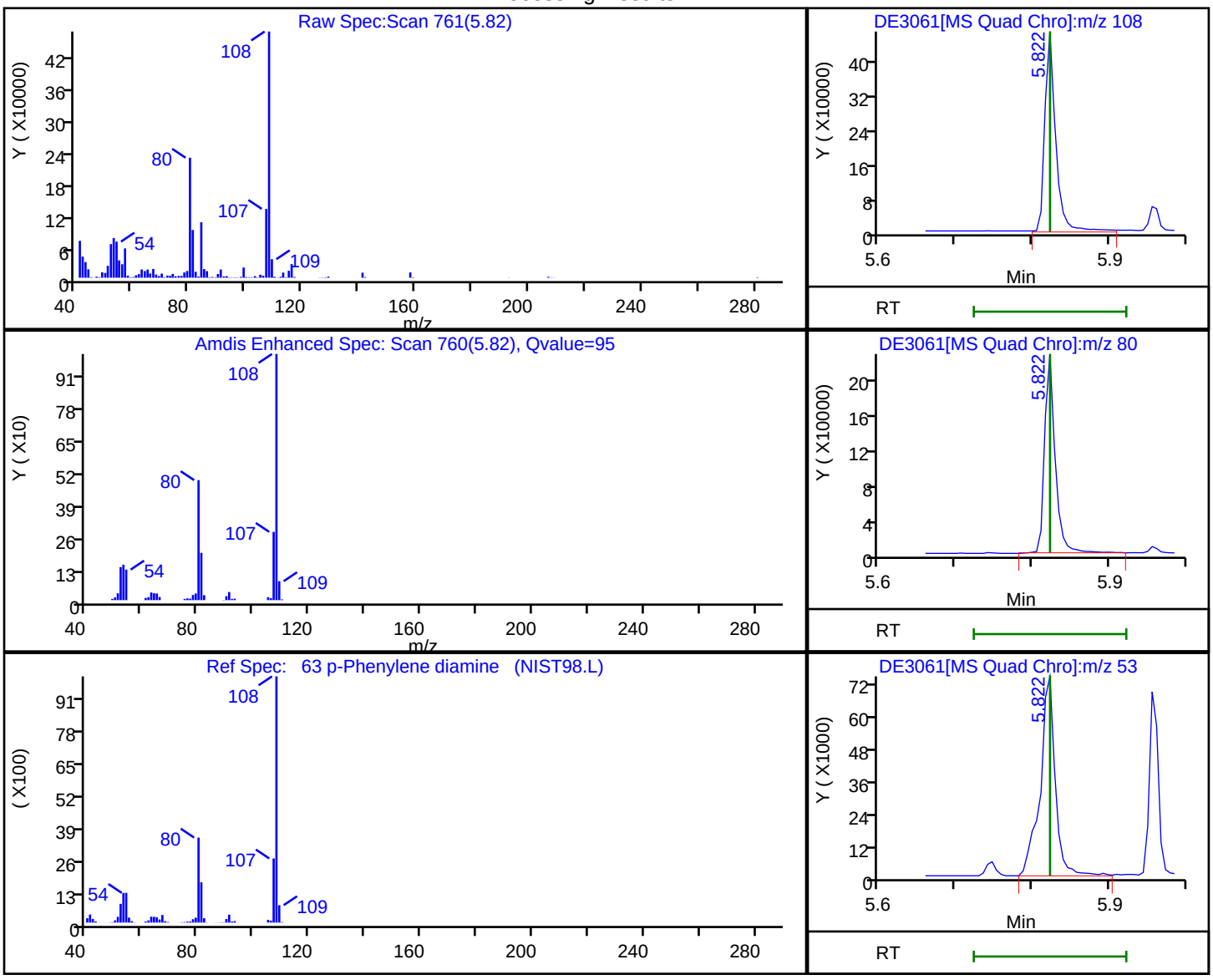
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3061.D				
Injection Date:	31-May-2025 02:04:32	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

63 p-Phenylene diamine, CAS: 106-50-3

Processing Results



RT	Mass	Response	Amount
5.82	108.00	452196	8.560719
5.82	80.00	222157	
5.82	53.00	103195	
5.82	54.00	93784	
5.82	52.00	73876	

Reviewer: SJ89, 01-Jun-2025 12:42:20 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-653230/2 Calibration Date: 06/05/2025 07:38

Instrument ID: HP19760 Calib Start Date: 05/30/2025 22:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/31/2025 00:59

Lab File ID: DF0501.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6075	0.6414		13.2	12.5	5.6	20.0
N-Nitrosodimethylamine	Ave	0.999	1.078		13.5	12.5	7.9	20.0
Pyridine	Ave	1.598	1.761		27.6	25.0	10.2	20.0
N,N-dimethylformamide	Ave	1.168	1.149		12.3	12.5	-1.6	20.0
2-Picoline	Ave	1.615	1.789		13.8	12.5	10.7	20.0
N-Nitrosomethylethylamine	Ave	0.7893	0.7799		12.4	12.5	-1.2	20.0
Methyl methanesulfonate	Ave	0.9003	0.9145		12.7	12.5	1.6	20.0
N-Nitrosodiethylamine	Ave	0.7067	0.7465		13.2	12.5	5.6	20.0
Ethyl methanesulfonate	Ave	0.7794	0.7819		12.5	12.5	0.3	20.0
Benzaldehyde	Ave	1.416	1.395	0.0100	12.3	12.5	-1.4	20.0
Phenol	Ave	2.079	2.251	0.8000	13.5	12.5	8.3	20.0
Aniline	Ave	2.560	2.689		13.1	12.5	5.0	20.0
Bis(2-chloroethyl)ether	Ave	1.651	1.630	0.7000	12.3	12.5	-1.3	20.0
2-Chlorophenol	Ave	1.330	1.378	0.8000	12.9	12.5	3.6	20.0
1,3-Dichlorobenzene	Ave	1.460	1.501		12.9	12.5	2.8	20.0
1,4-Dichlorobenzene	Ave	1.478	1.514		12.8	12.5	2.4	20.0
Benzyl alcohol	Ave	0.997	1.012		12.7	12.5	1.4	20.0
1,2-Dichlorobenzene	Ave	1.414	1.461		12.9	12.5	3.3	20.0
2-Methylphenol	Ave	1.375	1.413	0.7000	12.8	12.5	2.7	20.0
bis(1-chloroispropyl)ether	Ave	2.097	2.032	0.0100	12.1	12.5	-3.1	20.0
N-Nitrosopyrrolidine	Ave	0.7761	0.8158		13.1	12.5	5.1	20.0
Acetophenone	Ave	2.303	2.215	0.0100	12.0	12.5	-3.8	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.501	1.452	0.6000	12.1	12.5	-3.3	20.0
N-Nitrosodi-n-propylamine	Ave	1.317	1.260	0.5000	12.0	12.5	-4.4	20.0
N-Nitrosomorpholine	Ave	0.9895	0.9375		11.8	12.5	-5.3	20.0
2-Toluidine	Ave	2.347	2.409		12.8	12.5	2.6	20.0
Hexachloroethane	Ave	0.6370	0.6222	0.3000	12.2	12.5	-2.3	20.0
Nitrobenzene	Ave	0.4454	0.4737	0.2000	13.3	12.5	6.4	20.0
N-Nitrosopiperidine	Ave	0.1807	0.1937		13.4	12.5	7.2	20.0
Isophorone	Ave	0.8528	0.8706	0.4000	12.8	12.5	2.1	20.0
2-Nitrophenol	Ave	0.1610	0.1842	0.1000	14.3	12.5	14.4	20.0
2,4-Dimethylphenol	Ave	0.3852	0.4125	0.2000	13.4	12.5	7.1	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1879	0.1941		12.9	12.5	3.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.5377	0.5399	0.3000	12.5	12.5	0.4	20.0
2,4-Dichlorophenol	Ave	0.2852	0.3113	0.2000	13.6	12.5	9.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3209	0.3354		13.1	12.5	4.5	20.0
Naphthalene	Ave	1.067	1.090	0.7000	12.8	12.5	2.2	20.0
a-Terpineol	Ave	0.3570	0.3571		12.5	12.5	0.0	20.0
4-Chloroaniline	Ave	0.4413	0.4637	0.0100	13.1	12.5	5.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-653230/2 Calibration Date: 06/05/2025 07:38

Instrument ID: HP19760 Calib Start Date: 05/30/2025 22:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/31/2025 00:59

Lab File ID: DF0501.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dichlorophenol	Ave	0.2910	0.3111		13.4	12.5	6.9	20.0
Hexachloropropene	Ave	0.1890	0.2171		14.4	12.5	14.8	20.0
Hexachlorobutadiene	Ave	0.1918	0.1992	0.0100	13.0	12.5	3.9	20.0
Quinoline	Ave	0.6927	0.7036		12.7	12.5	1.6	20.0
Caprolactam	Ave	0.1101	0.1118	0.0100	12.7	12.5	1.5	20.0
N-Nitrosodi-n-butylamine	Ave	0.3871	0.4034		13.0	12.5	4.2	20.0
1,4-phenylenediamine	Ave	0.3784	0.4582			12.5	21.1*	20.0
4-Chloro-3-methylphenol	Ave	0.3501	0.3573	0.2000	12.8	12.5	2.1	20.0
Safrole, Total	Ave	0.2705	0.2815		13.0	12.5	4.0	20.0
2-Methylnaphthalene	Ave	0.6310	0.6467	0.4000	12.8	12.5	2.5	20.0
1-Methylnaphthalene	Ave	0.6744	0.6760		12.5	12.5	0.2	20.0
Hexachlorocyclopentadiene	Ave	0.3741	0.4300	0.0500	14.4	12.5	15.0	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6134	0.6480	0.0100	13.2	12.5	5.6	20.0
Isosafrole Peak 1	Ave	0.5004	0.5279		2.11	2.00	5.5	20.0
2,4,6-Trichlorophenol	Ave	0.3669	0.4057	0.2000	13.8	12.5	10.6	20.0
2,4,5-Trichlorophenol	Ave	0.4123	0.4501	0.2000	13.6	12.5	9.2	20.0
Isosafrole Peak 2	Ave	0.5480	0.5957		11.4	10.5	8.7	20.0
1,1'-Biphenyl	Ave	1.507	1.537	0.0100	12.7	12.5	2.0	20.0
2-Chloronaphthalene	Ave	1.155	1.246	0.8000	13.5	12.5	7.9	20.0
1-Chloronaphthalene	Ave	1.050	1.022		12.2	12.5	-2.6	20.0
Diphenyl ether	Ave	0.8799	0.8896		12.6	12.5	1.1	20.0
2-Nitroaniline	Ave	0.3523	0.3861	0.0100	13.7	12.5	9.6	20.0
1,4-Naphthoquinone	Ave	0.4351	0.4598		13.2	12.5	5.7	20.0
1,4-Dinitrobenzene	Ave	0.1657	0.1945		14.7	12.5	17.4	20.0
Dimethyl phthalate	Ave	1.340	1.356	0.0100	12.7	12.5	1.2	20.0
1,3-Dinitrobenzene	Ave	0.2040	0.2280		14.0	12.5	11.8	20.0
2,6-Dinitrotoluene	Ave	0.2683	0.3028	0.2000	14.1	12.5	12.9	20.0
Acenaphthylene	Ave	1.821	1.924	0.9000	13.2	12.5	5.6	20.0
3-Nitroaniline	Ave	0.3229	0.3493	0.0100	13.5	12.5	8.2	20.0
Acenaphthene	Ave	1.214	1.229	0.9000	12.7	12.5	1.3	20.0
2,4-Dinitrophenol	Ave	0.1615	0.1945	0.0100	30.1	25.0	20.4*	20.0
4-Nitrophenol	Ave	0.2005	0.2057	0.0100	25.7	25.0	2.6	20.0
Pentachlorobenzene	Ave	0.5316	0.5458		12.8	12.5	2.7	20.0
2,4-Dinitrotoluene	Ave	0.3785	0.4244	0.2000	14.0	12.5	12.1	20.0
Dibenzofuran	Ave	1.739	1.736	0.8000	12.5	12.5	-0.2	20.0
1-Naphthylamine	Ave	1.124	1.264		14.1	12.5	12.5	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3501	0.3793	0.0100	13.5	12.5	8.3	20.0
2-Naphthylamine	Ave	1.201	1.320		13.7	12.5	9.9	20.0
Diethyl phthalate	Ave	1.370	1.339	0.0100	12.2	12.5	-2.3	20.0
Thionazin	Ave	0.2430	0.2450		12.6	12.5	0.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-653230/2 Calibration Date: 06/05/2025 07:38

Instrument ID: HP19760 Calib Start Date: 05/30/2025 22:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/31/2025 00:59

Lab File ID: DF0501.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluorene	Ave	1.402	1.406	0.9000	12.5	12.5	0.3	20.0
4-Chlorophenyl-phenyl ether	Ave	0.6859	0.6938	0.4000	12.6	12.5	1.2	20.0
5-Nitro-o-toluidine	Ave	0.3428	0.3883		14.2	12.5	13.3	20.0
4-Nitroaniline	Ave	0.3179	0.3451	0.0100	13.6	12.5	8.6	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1212	0.1421	0.0100	29.3	25.0	17.2	20.0
N-Nitrosodiphenylamine	Ave	0.5969	0.6362	0.0100	11.3	10.6	6.6	20.0
1,2-Diphenylhydrazine	Ave	0.8863	0.8710		12.3	12.5	-1.7	20.0
Sulfotepp	Ave	0.1446	0.1386		12.0	12.5	-4.2	20.0
1,3,5-Trinitrobenzene	Ave	0.0687	0.0811			12.5	17.9	20.0
cis-Diallate	Ave	0.3842	0.3608		8.69	9.25	-6.1	20.0
Phorate	Ave	0.5276	0.5680		13.5	12.5	7.6	20.0
Phenacetin	Ave	0.3518	0.3836		13.6	12.5	9.1	20.0
4-Bromophenyl-phenylether	Ave	0.2098	0.2225	0.1000	13.3	12.5	6.1	20.0
trans-Diallate	Ave	0.3694	0.3748		3.30	3.25	1.5	20.0
Hexachlorobenzene	Ave	0.2268	0.2324	0.1000	12.8	12.5	2.5	20.0
Dimethoate	Ave	0.3228	0.3651		14.1	12.5	13.1	20.0
Atrazine	Ave	0.1919	0.2127	0.0100	13.9	12.5	10.9	20.0
Pentachlorophenol	Lin2		0.1603	0.0500	27.3	25.0	9.3	20.0
4-Aminobiphenyl	Ave	0.7739	0.8293		13.4	12.5	7.2	20.0
Pentachloronitrobenzene	Ave	0.0910	0.1015		13.9	12.5	11.6	20.0
Pronamide	Ave	0.2941	0.3313		14.1	12.5	12.7	20.0
Dinoseb	Lin2		0.1936		14.3	12.5	14.2	20.0
Disulfoton	Ave	0.4965	0.5520		13.9	12.5	11.2	20.0
Phenanthrene	Ave	1.080	1.070	0.7000	12.4	12.5	-0.9	20.0
Anthracene	Ave	1.057	1.121	0.7000	13.3	12.5	6.1	20.0
Carbazole	Ave	0.9601	1.033	0.0100	13.5	12.5	7.6	20.0
Methyl parathion	Ave	0.2344	0.2670		14.2	12.5	13.9	20.0
Di-n-butyl phthalate	Ave	1.021	1.101	0.0100	13.5	12.5	7.8	20.0
Parathion	Ave	0.1409	0.1535		13.6	12.5	9.0	20.0
4-Nitroquinoline-1-oxide	Lin1		0.0783		13.0	12.5	4.1	20.0
Octachlorostyrene	Ave	0.0850	0.0918		13.5	12.5	8.0	20.0
Isodrin	Ave	0.1238	0.1255		12.7	12.5	1.4	20.0
Fluoranthene	Ave	1.131	1.201	0.6000	13.3	12.5	6.2	20.0
Benzidine	Ave	0.7314	0.8126		41.7	37.5	11.1	20.0
Pyrene	Ave	1.245	1.213	0.6000	12.2	12.5	-2.5	20.0
p-Dimethylamino azobenzene	Ave	0.1871	0.2033		13.6	12.5	8.7	20.0
Chlorobenzilate	Ave	0.2960	0.3175		13.4	12.5	7.2	20.0
3,3'-Dimethylbenzidine	Ave	0.5368	0.6434		15.0	12.5	19.8	20.0
Butylbenzylphthalate	Ave	0.4405	0.4630	0.0100	13.1	12.5	5.1	20.0
2-Acetylaminofluorene	Ave	0.3587	0.3806		13.3	12.5	6.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-653230/2 Calibration Date: 06/05/2025 07:38

Instrument ID: HP19760 Calib Start Date: 05/30/2025 22:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/31/2025 00:59

Lab File ID: DF0501.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	Ave	0.4081	0.4259	0.0100	13.0	12.5	4.4	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.1873	0.2138		14.3	12.5	14.2	20.0
Benzo[a]anthracene	Ave	0.9899	1.035	0.8000	13.1	12.5	4.6	20.0
Chrysene	Ave	0.9684	1.000	0.7000	12.9	12.5	3.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6247	0.6342	0.0100	12.7	12.5	1.5	20.0
6-Methylchrysene	Ave	0.6349	0.6819		13.4	12.5	7.4	20.0
Di-n-octyl phthalate	Lin2		1.208	0.0100	11.9	12.5	-4.7	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4933	0.5579		14.1	12.5	13.1	20.0
Benzo[b]fluoranthene	Ave	1.201	1.304	0.7000	13.6	12.5	8.5	20.0
Benzo[k]fluoranthene	Ave	1.271	1.323	0.7000	13.0	12.5	4.1	20.0
Benzo[a]pyrene	Ave	1.118	1.194	0.7000	13.3	12.5	6.8	20.0
3-Methylcholanthrene	Ave	0.5205	0.5685		13.7	12.5	9.2	20.0
Dibenz[a,h]acridine	Ave	0.7781	0.8404		13.5	12.5	8.0	20.0
Dibenz[a,j]acridine	Ave	0.9226	0.9808		13.3	12.5	6.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.026	1.108	0.5000	13.5	12.5	8.0	20.0
Dibenz(a,h)anthracene	Ave	1.034	1.112	0.4000	13.4	12.5	7.5	20.0
Benzo[g,h,i]perylene	Ave	1.053	1.116	0.5000	13.2	12.5	6.0	20.0
2-Fluorophenol (Surr)	Ave	1.349	1.473		27.3	25.0	9.3	20.0
Phenol-d5 (Surr)	Ave	1.971	2.094		26.6	25.0	6.2	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4628	0.4923		26.6	25.0	6.4	20.0
2-Fluorobiphenyl (Surr)	Ave	1.391	1.434		25.8	25.0	3.1	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1977	0.2216		28.0	25.0	12.1	20.0
p-Terphenyl-d14 (Surr)	Ave	0.7810	0.7912		25.3	25.0	1.3	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0501.D
Lims ID: CCVIS L6
Client ID:
Sample Type: CCVIS
Inject. Date: 05-Jun-2025 07:38:47 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: CJS101602 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 09:07:40 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: W6ZA Date: 05-Jun-2025 08:02:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.573	1.573	0.000	93	279696	12.5	13.2	
3 N-Nitrosodimethylamine	74	1.783	1.783	0.000	88	470199	12.5	13.5	
4 Pyridine	79	1.818	1.818	0.000	99	1536116	25.0	27.6	
6 Dimethylformamide	73	2.092	2.092	0.000	90	501101	12.5	12.3	
7 2-Picoline	93	2.384	2.384	0.000	91	780042	12.5	13.8	
8 N-Nitrosomethylethylamine	88	2.471	2.471	0.000	88	340136	12.5	12.4	
9 Methyl methanesulfonate	80	2.727	2.727	0.000	84	398804	12.5	12.7	
$ 10 2-Fluorophenol	112	2.891	2.891	0.000	93	1285089	25.0	27.3	
11 N-Nitrosodiethylamine	102	3.095	3.095	0.000	95	325540	12.5	13.2	
12 Ethyl methanesulfonate	109	3.392	3.392	0.000	98	340987	12.5	12.5	
15 Benzaldehyde	77	3.724	3.724	0.000	97	608570	12.5	12.3	
$ 16 Phenol-d5	99	3.788	3.788	0.000	97	1826500	25.0	26.6	
17 Phenol	94	3.800	3.800	0.000	91	981643	12.5	13.5	
18 Aniline	93	3.823	3.823	0.000	96	1172781	12.5	13.1	
19 Bis(2-chloroethyl)ether	93	3.887	3.887	0.000	97	710689	12.5	12.3	
20 2-Chlorophenol	128	3.940	3.940	0.000	95	600791	12.5	12.9	
21 1,3-Dichlorobenzene	146	4.086	4.086	0.000	95	654664	12.5	12.9	
* 22 1,4-Dichlorobenzene-d4	152	4.144	4.144	0.000	96	174442	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.161	4.161	0.000	91	660224	12.5	12.8	
25 Benzyl alcohol	108	4.278	4.278	0.000	91	441174	12.5	12.7	
26 1,2-Dichlorobenzene	146	4.307	4.307	0.000	95	637254	12.5	12.9	
28 2-Methylphenol	108	4.389	4.389	0.000	93	616202	12.5	12.8	
29 2,2'-oxybis[1-chloropropane]	45	4.412	4.412	0.000	94	886097	12.5	12.1	
31 N-Nitrosopyrrolidine	100	4.511	4.511	0.000	92	355753	12.5	13.1	
34 Acetophenone	105	4.534	4.534	0.000	97	966118	12.5	12.0	
33 N-Nitrosodi-n-propylamine	70	4.540	4.540	0.000	78	549315	12.5	12.0	
32 4-Methylphenol	108	4.540	4.540	0.000	96	633186	12.5	12.1	
35 N-Nitrosomorpholine	56	4.552	4.552	0.000	91	408830	12.5	11.8	
36 2-Toluidine	106	4.569	4.569	0.000	95	1050395	12.5	12.8	
38 Hexachloroethane	117	4.628	4.628	0.000	95	271351	12.5	12.2	
$ 39 Nitrobenzene-d5	82	4.680	4.680	0.000	87	1591733	25.0	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.698	4.698	0.000	85	765806	12.5	13.3	
42 N-Nitrosopiperidine	114	4.843	4.843	0.000	86	313180	12.5	13.4	
43 Isophorone	82	4.931	4.931	0.000	96	1407455	12.5	12.8	
44 2-Nitrophenol	139	5.006	5.006	0.000	90	297814	12.5	14.3	
45 2,4-Dimethylphenol	107	5.053	5.053	0.000	96	666844	12.5	13.4	
46 o,o',o''-Triethylphosphorothioat	198	5.123	5.123	0.000	87	313813	12.5	12.9	
47 Bis(2-chloroethoxy)methane	93	5.146	5.146	0.000	98	872733	12.5	12.5	
48 2,4-Dichlorophenol	162	5.240	5.240	0.000	95	503224	12.5	13.6	
49 1,2,4-Trichlorobenzene	180	5.315	5.315	0.000	94	542253	12.5	13.1	
* 50 Naphthalene-d8	136	5.368	5.368	0.000	99	646625	5.00	5.00	
51 Naphthalene	128	5.391	5.391	0.000	97	1762698	12.5	12.8	
52 Alpha-Terpineol	59	5.409	5.409	0.000	94	577208	12.5	12.5	
53 4-Chloroaniline	127	5.444	5.444	0.000	94	749558	12.5	13.1	
54 2,6-Dichlorophenol	162	5.455	5.455	0.000	96	502910	12.5	13.4	
55 Hexachloropropene	213	5.473	5.473	0.000	90	350924	12.5	14.4	
56 Hexachlorobutadiene	225	5.514	5.514	0.000	95	322083	12.5	13.0	
60 Quinoline	129	5.706	5.706	0.000	96	1137420	12.5	12.7	
61 Caprolactam	113	5.764	5.764	0.000	78	180695	12.5	12.7	
62 N-Nitrosodi-n-butylamine	84	5.776	5.776	0.000	89	652050	12.5	13.0	
63 p-Phenylene diamine	108	5.787	5.787	0.000	95	740705	12.5	15.1	
64 4-Chloro-3-methylphenol	107	5.922	5.922	0.000	94	577645	12.5	12.8	
65 Safrole, Total	162	5.980	5.980	0.000	89	455011	12.5	13.0	
66 2-Methylnaphthalene	142	6.056	6.056	0.000	91	1045476	12.5	12.8	
67 1-Methylnaphthalene	142	6.143	6.143	0.000	92	1092798	12.5	12.5	
68 Hexachlorocyclopentadiene	237	6.207	6.207	0.000	94	397248	12.5	14.4	
69 1,2,4,5-Tetrachlorobenzene	216	6.213	6.213	0.000	97	598587	12.5	13.2	
70 Isosafrole Peak 1	162	6.260	6.260	0.000	88	78022	2.00	2.11	
71 2,4,6-Trichlorophenol	196	6.330	6.330	0.000	92	374804	12.5	13.8	
72 2,4,5-Trichlorophenol	196	6.365	6.365	0.000	94	415829	12.5	13.6	
$ 73 2-Fluorobiphenyl (Surr)	172	6.411	6.411	0.000	99	2650159	25.0	25.8	
74 Isosafrole Peak 2	162	6.469	6.469	0.000	91	462238	10.5	11.4	
75 1,1'-Biphenyl	154	6.504	6.504	0.000	94	1419593	12.5	12.7	
76 2-Chloronaphthalene	162	6.516	6.516	0.000	93	1151293	12.5	13.5	M
77 1-Chloronaphthalene	162	6.534	6.534	0.000	98	943971	12.5	12.2	Ma
78 Phenyl ether	170	6.603	6.603	0.000	86	821783	12.5	12.6	
79 2-Nitroaniline	138	6.615	6.615	0.000	78	356635	12.5	13.7	
81 1,4-Naphthoquinone	158	6.685	6.685	0.000	86	424784	12.5	13.2	
84 1,4-Dinitrobenzene	168	6.755	6.755	0.000	86	179709	12.5	14.7	
85 Dimethyl phthalate	163	6.802	6.802	0.000	98	1253080	12.5	12.7	
86 1,3-Dinitrobenzene	168	6.825	6.825	0.000	86	210598	12.5	14.0	
87 2,6-Dinitrotoluene	165	6.854	6.854	0.000	94	279740	12.5	14.1	
88 Acenaphthylene	152	6.907	6.907	0.000	99	1777153	12.5	13.2	
89 3-Nitroaniline	138	7.006	7.006	0.000	90	322685	12.5	13.5	
* 90 Acenaphthene-d10	164	7.041	7.041	0.000	95	369508	5.00	5.00	
91 Acenaphthene	153	7.070	7.070	0.000	97	1135686	12.5	12.7	
92 2,4-Dinitrophenol	184	7.111	7.111	0.000	86	359271	25.0	30.1	
93 4-Nitrophenol	109	7.192	7.192	0.000	84	380110	25.0	25.7	
94 Pentachlorobenzene	250	7.198	7.198	0.000	98	504232	12.5	12.8	
95 2,4-Dinitrotoluene	165	7.233	7.233	0.000	91	392080	12.5	14.0	
96 Dibenzofuran	168	7.239	7.239	0.000	97	1603658	12.5	12.5	
97 1-Naphthylamine	143	7.315	7.315	0.000	99	1167659	12.5	14.1	
98 2,3,4,6-Tetrachlorophenol	232	7.355	7.355	0.000	73	350379	12.5	13.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 2-Naphthylamine	143	7.390	7.390	0.000	96	1219406	12.5	13.7	
100 Diethyl phthalate	149	7.478	7.478	0.000	98	1236601	12.5	12.2	
101 Thionazin	107	7.554	7.554	0.000	80	226291	12.5	12.6	
102 Fluorene	166	7.559	7.559	0.000	93	1298939	12.5	12.5	
103 4-Chlorophenyl phenyl ether	204	7.571	7.571	0.000	90	640923	12.5	12.6	
104 N-Nitro-o-toluidine	152	7.577	7.577	0.000	91	358689	12.5	14.2	
105 4-Nitroaniline	138	7.589	7.589	0.000	81	318824	12.5	13.6	
106 4,6-Dinitro-2-methylphenol	198	7.618	7.618	0.000	84	494930	25.0	29.3	
107 N-Nitrosodiphenylamine	169	7.688	7.688	0.000	63	941931	10.6	11.3	
108 1,2-Diphenylhydrazine	77	7.723	7.723	0.000	41	1517137	12.5	12.3	
$ 109 2,4,6-Tribromophenol	330	7.793	7.793	0.000	93	409382	25.0	28.0	
110 Sulfotepp	97	7.851	7.851	0.000	77	241335	12.5	12.0	
112 1,3,5-Trinitrobenzene	213	7.956	7.956	0.000	85	141182	12.5	14.7	
113 cis-Diallate	86	7.962	7.962	0.000	0	465004	9.25	8.69	
114 Phorate	75	7.973	7.973	0.000	96	989244	12.5	13.5	
115 Phenacetin	108	7.991	7.991	0.000	92	668193	12.5	13.6	
116 4-Bromophenyl phenyl ether	248	8.037	8.037	0.000	63	387547	12.5	13.3	
117 trans-Diallate	86	8.049	8.049	0.000	0	169713	3.25	3.30	
118 Hexachlorobenzene	284	8.078	8.078	0.000	94	404708	12.5	12.8	
119 Dimethoate	87	8.131	8.131	0.000	97	636002	12.5	14.1	
120 Atrazine	200	8.206	8.206	0.000	92	370511	12.5	13.9	
121 Pentachlorophenol	266	8.276	8.276	0.000	92	558319	25.0	27.3	
122 4-Aminobiphenyl	169	8.282	8.282	0.000	91	1444457	12.5	13.4	
123 Pentachloronitrobenzene	237	8.282	8.282	0.000	67	176852	12.5	13.9	
124 Pronamide	173	8.352	8.352	0.000	89	577127	12.5	14.1	
* 126 Phenanthrene-d10	188	8.451	8.451	0.000	97	696706	5.00	5.00	
125 Dinoseb	211	8.457	8.457	0.000	95	337174	12.5	14.3	
127 Disulfoton	88	8.469	8.469	0.000	96	961537	12.5	13.9	
128 Phenanthrene	178	8.474	8.474	0.000	93	1863858	12.5	12.4	
129 Anthracene	178	8.521	8.521	0.000	98	1953046	12.5	13.3	
130 Carbazole	167	8.684	8.684	0.000	95	1799446	12.5	13.5	
131 Methyl parathion	109	8.824	8.824	0.000	91	465005	12.5	14.2	
133 Di-n-butyl phthalate	149	9.040	9.040	0.000	100	1916940	12.5	13.5	
134 Ethyl Parathion	109	9.197	9.197	0.000	84	267442	12.5	13.6	
135 4-Nitroquinoline-1-oxide	190	9.215	9.215	0.000	86	136386	12.5	13.0	
140 Octachlorostyrene	308	9.425	9.425	0.000	92	159935	12.5	13.5	
141 Isodrin	193	9.460	9.460	0.000	94	218591	12.5	12.7	
143 Fluoranthene	202	9.599	9.599	0.000	98	2092091	12.5	13.3	
S 136 Diallate	86				0		12.5	12.0	
147 Benzidine	184	9.751	9.751	0.000	99	4361618	37.5	41.7	
* 149 Pyrene-d10 (IS)	212	9.798	9.798	0.000	99	715694	5.00	5.00	
150 Pyrene	202	9.815	9.815	0.000	97	2170305	12.5	12.2	
$ 152 p-Terphenyl-d14	244	9.984	9.984	0.000	100	2831411	25.0	25.3	
154 p-Dimethylamino azobenzene	225	10.118	10.118	0.000	94	363820	12.5	13.6	
155 Chlorobenzilate	139	10.171	10.171	0.000	92	567993	12.5	13.4	
156 3,3'-Dimethylbenzidine	212	10.456	10.456	0.000	99	1151125	12.5	15.0	
157 Butyl benzyl phthalate	149	10.485	10.485	0.000	96	828470	12.5	13.1	
158 2-Acetylaminofluorene	181	10.719	10.719	0.000	94	680952	12.5	13.3	
159 3,3'-Dichlorobenzidine	252	11.033	11.033	0.000	75	762090	12.5	13.0	
160 4,4'-Methylene bis(2-chloroanil	231	11.045	11.045	0.000	95	382549	12.5	14.3	
161 Benzo[a]anthracene	228	11.045	11.045	0.000	99	1852611	12.5	13.1	
162 Chrysene	228	11.080	11.080	0.000	97	1789274	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
163 Bis(2-ethylhexyl) phthalate	149	11.138	11.138	0.000	98	1134664	12.5	12.7	
164 6-Methylchrysene	242	11.616	11.616	0.000	99	1220008	12.5	13.4	
165 Di-n-octyl phthalate	149	11.960	11.960	0.000	99	1653373	12.5	11.9	
167 Benzo[b]fluoranthene	252	12.368	12.368	0.000	97	1783859	12.5	13.6	
166 7,12-Dimethylbenz(a)anthracene	256	12.368	12.368	0.000	74	763358	12.5	14.1	
168 Benzo[k]fluoranthene	252	12.403	12.403	0.000	99	1810467	12.5	13.0	
169 Benzo[a]pyrene	252	12.799	12.799	0.000	79	1633860	12.5	13.3	
* 170 Perylene-d12	264	12.875	12.875	0.000	98	547284	5.00	5.00	
171 3-Methylcholanthrene	268	13.301	13.301	0.000	91	777839	12.5	13.7	
172 Dibenz[a,h]acridine	279	14.064	14.064	0.000	89	1149905	12.5	13.5	
173 Dibenz[a,j]acridine	279	14.140	14.140	0.000	96	1341892	12.5	13.3	
174 Indeno[1,2,3-cd]pyrene	276	14.373	14.373	0.000	99	1515780	12.5	13.5	
175 Dibenz(a,h)anthracene	278	14.420	14.420	0.000	92	1521008	12.5	13.4	
176 Benzo[g,h,i]perylene	276	14.769	14.769	0.000	98	1526557	12.5	13.2	
S 178 Dinitrotoluene	165				0		25.0	28.1	
S 182 Isosafrole	162				0		12.5	13.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_6_00065 Amount Added: 1.00 Units: mL

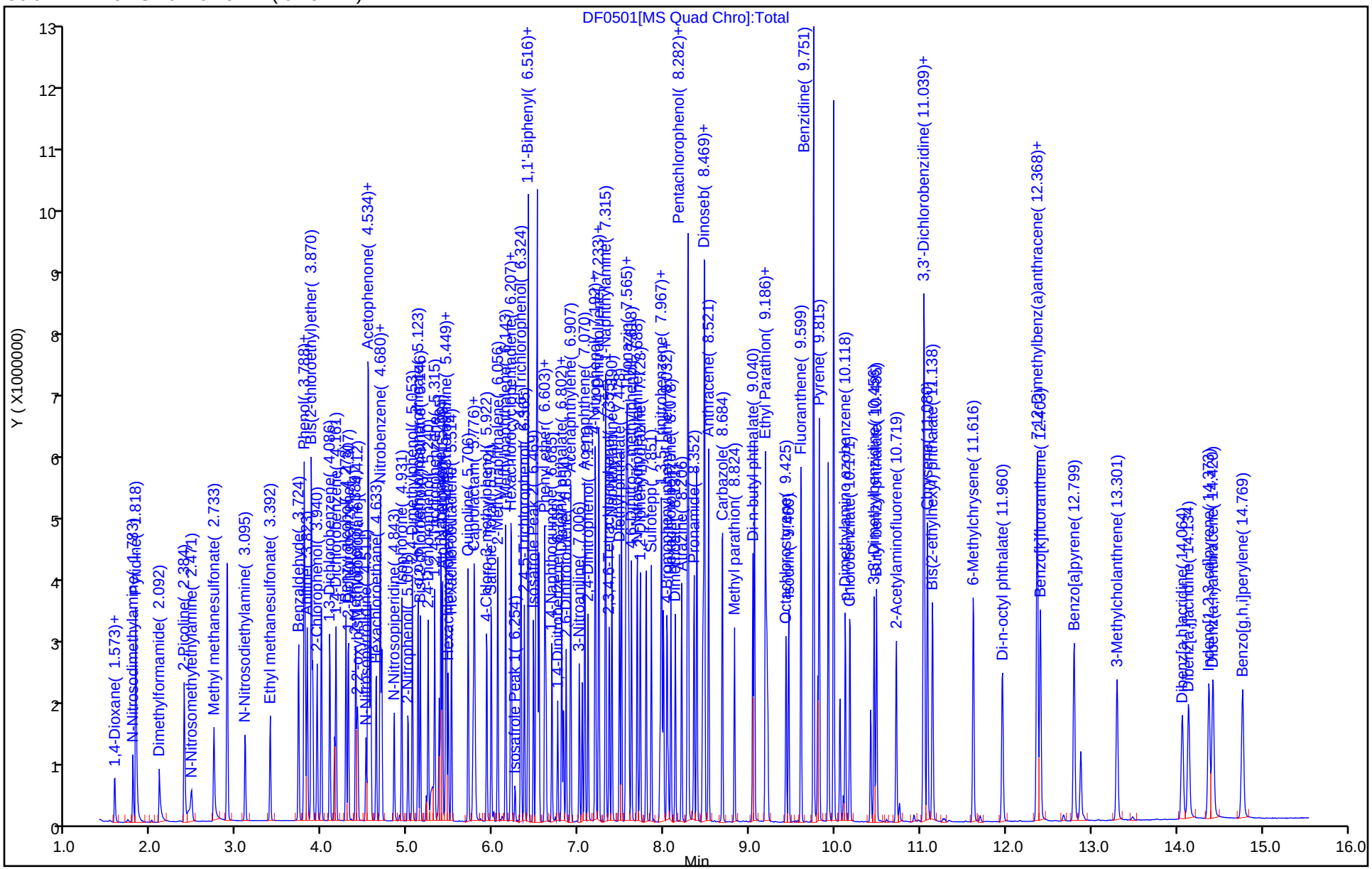
Report Date: 05-Jun-2025 09:07:41 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0501.D

Injection Date:	05-Jun-2025 07:38:47	Instrument ID:	HP19760	Operator ID:	CJS101602
Lims ID:	CCVIS L6			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

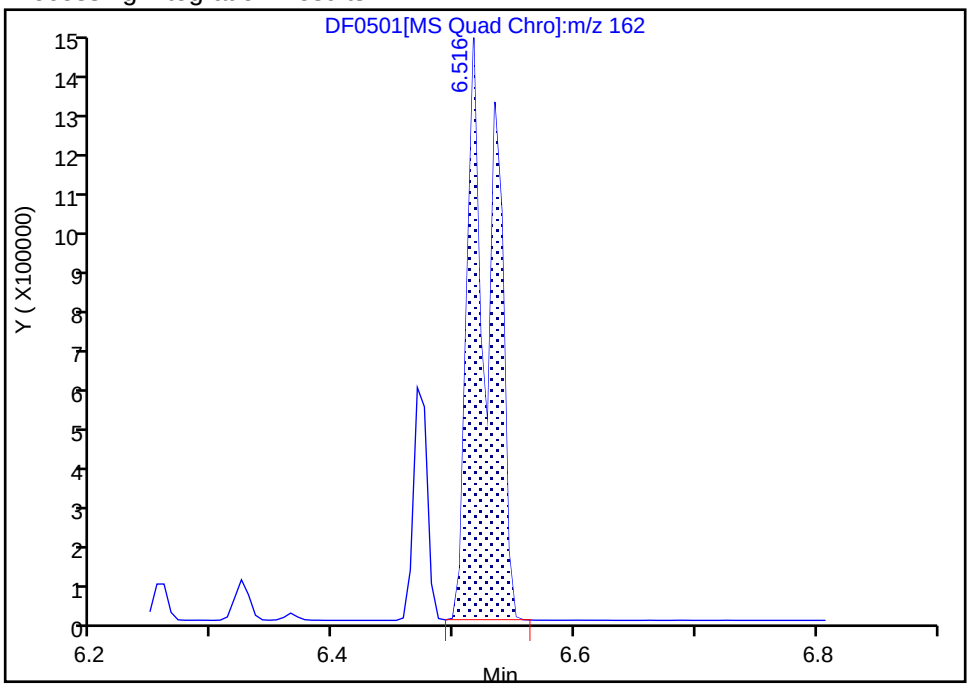
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0501.D				
Injection Date:	05-Jun-2025 07:38:47	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

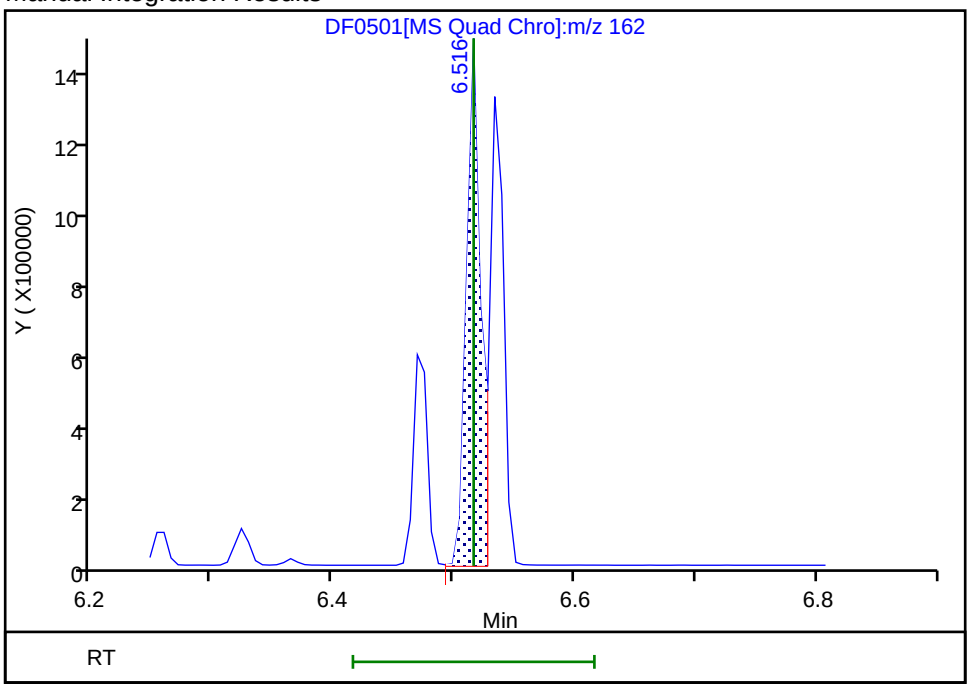
Processing Integration Results

RT: 6.52
Area: 2095265
Amount: 24.549195
Amount Units: ug/ml



Manual Integration Results

RT: 6.52
Area: 1151293
Amount: 13.489137
Amount Units: ug/ml



Reviewer: W6ZA, 05-Jun-2025 08:02:28 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

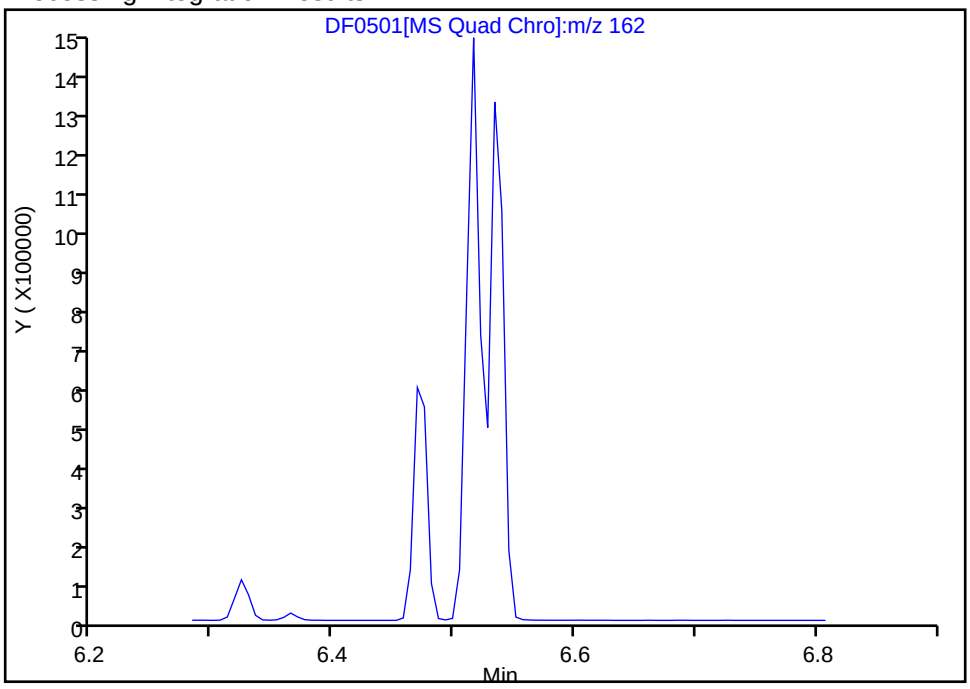
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0501.D				
Injection Date:	05-Jun-2025 07:38:47	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

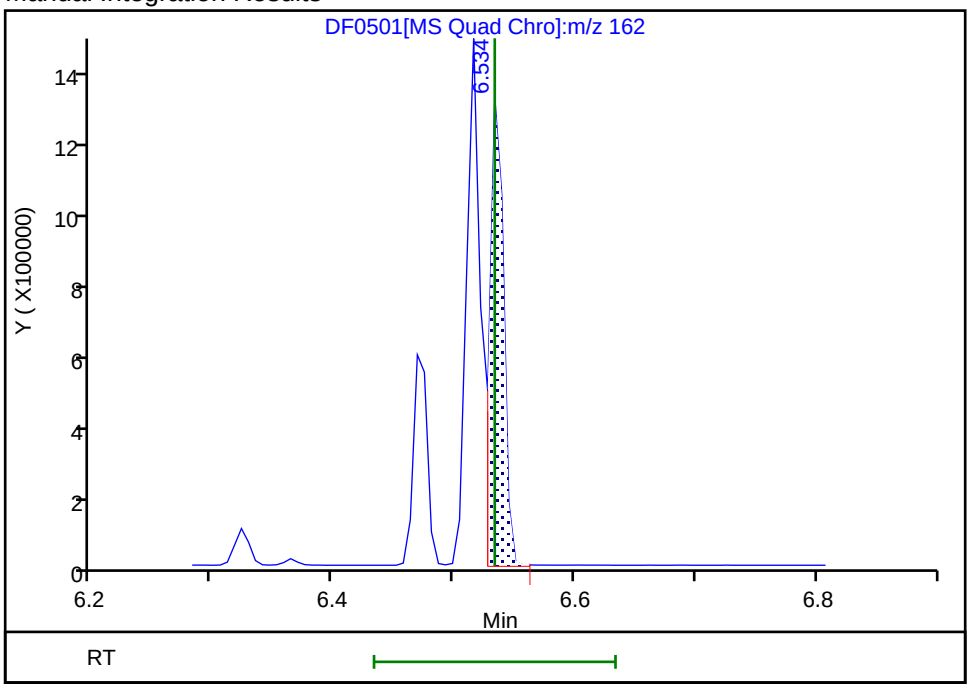
Not Detected
Expected RT: 6.53

Processing Integration Results



Manual Integration Results

RT: 6.53
Area: 943971
Amount: 12.170423
Amount Units: ug/ml



Reviewer: W6ZA, 05-Jun-2025 08:02:35 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-655733/2 Calibration Date: 06/10/2025 19:35

Instrument ID: HP19760 Calib Start Date: 05/30/2025 22:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/31/2025 00:59

Lab File ID: DF1051.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6075	0.5476		11.3	12.5	-9.9	20.0
N-Nitrosodimethylamine	Ave	0.999	0.9489		11.9	12.5	-5.0	20.0
Pyridine	Ave	1.598	1.465		22.9	25.0	-8.3	20.0
N,N-dimethylformamide	Ave	1.168	1.155		12.4	12.5	-1.1	20.0
2-Picoline	Ave	1.615	1.674		13.0	12.5	3.6	20.0
N-Nitrosomethylethylamine	Ave	0.7893	0.7527		11.9	12.5	-4.6	20.0
Methyl methanesulfonate	Ave	0.9003	0.8651		12.0	12.5	-3.9	20.0
N-Nitrosodiethylamine	Ave	0.7067	0.7331		13.0	12.5	3.7	20.0
Ethyl methanesulfonate	Ave	0.7794	0.7993		12.8	12.5	2.6	20.0
Benzaldehyde	Ave	1.416	1.331	0.0100	11.8	12.5	-6.0	20.0
Phenol	Ave	2.079	2.184	0.8000	13.1	12.5	5.1	20.0
Aniline	Ave	2.560	2.611		12.7	12.5	2.0	20.0
Bis(2-chloroethyl)ether	Ave	1.651	1.594	0.7000	12.1	12.5	-3.5	20.0
2-Chlorophenol	Ave	1.330	1.352	0.8000	12.7	12.5	1.7	20.0
1,3-Dichlorobenzene	Ave	1.460	1.465		12.5	12.5	0.4	20.0
1,4-Dichlorobenzene	Ave	1.478	1.501		12.7	12.5	1.6	20.0
Benzyl alcohol	Ave	0.997	1.010		12.7	12.5	1.3	20.0
1,2-Dichlorobenzene	Ave	1.414	1.427		12.6	12.5	0.9	20.0
2-Methylphenol	Ave	1.375	1.415	0.7000	12.9	12.5	2.9	20.0
bis(1-chloroispropyl)ether	Ave	2.097	1.827	0.0100	10.9	12.5	-12.9	20.0
N-Nitrosopyrrolidine	Ave	0.7761	0.8159		13.1	12.5	5.1	20.0
Acetophenone	Ave	2.303	2.183	0.0100	11.8	12.5	-5.2	20.0
N-Nitrosodi-n-propylamine	Ave	1.317	1.224	0.5000	11.6	12.5	-7.1	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.501	1.551	0.6000	12.9	12.5	3.3	20.0
N-Nitrosomorpholine	Ave	0.9895	0.8549		10.8	12.5	-13.6	20.0
2-Toluidine	Ave	2.347	2.329		12.4	12.5	-0.8	20.0
Hexachloroethane	Ave	0.6370	0.6016	0.3000	11.8	12.5	-5.6	20.0
Nitrobenzene	Ave	0.4454	0.4630	0.2000	13.0	12.5	4.0	20.0
N-Nitrosopiperidine	Ave	0.1807	0.1975		13.7	12.5	9.3	20.0
Isophorone	Ave	0.8528	0.8721	0.4000	12.8	12.5	2.3	20.0
2-Nitrophenol	Ave	0.1610	0.1951	0.1000	15.1	12.5	21.2*	20.0
2,4-Dimethylphenol	Ave	0.3852	0.4218	0.2000	13.7	12.5	9.5	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1879	0.2059		13.7	12.5	9.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.5377	0.5421	0.3000	12.6	12.5	0.8	20.0
2,4-Dichlorophenol	Ave	0.2852	0.3140	0.2000	13.8	12.5	10.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3209	0.3476		13.5	12.5	8.3	20.0
Naphthalene	Ave	1.067	1.087	0.7000	12.7	12.5	1.8	20.0
a-Terpineol	Ave	0.3570	0.3392		11.9	12.5	-5.0	20.0
4-Chloroaniline	Ave	0.4413	0.4504	0.0100	12.8	12.5	2.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-655733/2 Calibration Date: 06/10/2025 19:35

Instrument ID: HP19760 Calib Start Date: 05/30/2025 22:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/31/2025 00:59

Lab File ID: DF1051.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dichlorophenol	Ave	0.2910	0.3045		13.1	12.5	4.6	20.0
Hexachloropropene	Ave	0.1890	0.2378		15.7	12.5	25.8*	20.0
Hexachlorobutadiene	Ave	0.1918	0.2114	0.0100	13.8	12.5	10.2	20.0
Quinoline	Ave	0.6927	0.7128		12.9	12.5	2.9	20.0
Caprolactam	Ave	0.1101	0.1143	0.0100	13.0	12.5	3.8	20.0
N-Nitrosodi-n-butylamine	Ave	0.3871	0.3928		12.7	12.5	1.5	20.0
1,4-phenylenediamine	Ave	0.3784	0.4183			12.5	10.6	20.0
4-Chloro-3-methylphenol	Ave	0.3501	0.3673	0.2000	13.1	12.5	4.9	20.0
Safrole, Total	Ave	0.2705	0.2867		13.2	12.5	6.0	20.0
2-Methylnaphthalene	Ave	0.6310	0.6481	0.4000	12.8	12.5	2.7	20.0
1-Methylnaphthalene	Ave	0.6744	0.6728		12.5	12.5	-0.2	20.0
Hexachlorocyclopentadiene	Ave	0.3741	0.4656	0.0500	15.6	12.5	24.5*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6134	0.6514	0.0100	13.3	12.5	6.2	20.0
Isosafrole Peak 1	Ave	0.5004	0.5480		2.19	2.00	9.5	20.0
2,4,6-Trichlorophenol	Ave	0.3669	0.4136	0.2000	14.1	12.5	12.7	20.0
2,4,5-Trichlorophenol	Ave	0.4123	0.4532	0.2000	13.7	12.5	9.9	20.0
Isosafrole Peak 2	Ave	0.5480	0.5885		11.3	10.5	7.4	20.0
1,1'-Biphenyl	Ave	1.507	1.527	0.0100	12.7	12.5	1.3	20.0
2-Chloronaphthalene	Ave	1.155	1.151	0.8000	12.5	12.5	-0.4	20.0
1-Chloronaphthalene	Ave	1.050	1.087		13.0	12.5	3.6	20.0
Diphenyl ether	Ave	0.8799	0.8664		12.3	12.5	-1.5	20.0
2-Nitroaniline	Ave	0.3523	0.3815	0.0100	13.5	12.5	8.3	20.0
1,4-Naphthoquinone	Ave	0.4351	0.4548		13.1	12.5	4.5	20.0
1,4-Dinitrobenzene	Ave	0.1657	0.1957		14.8	12.5	18.2	20.0
Dimethyl phthalate	Ave	1.340	1.362	0.0100	12.7	12.5	1.7	20.0
1,3-Dinitrobenzene	Ave	0.2040	0.2272		13.9	12.5	11.4	20.0
2,6-Dinitrotoluene	Ave	0.2683	0.3002	0.2000	14.0	12.5	11.9	20.0
Acenaphthylene	Ave	1.821	1.870	0.9000	12.8	12.5	2.7	20.0
3-Nitroaniline	Ave	0.3229	0.3371	0.0100	13.0	12.5	4.4	20.0
Acenaphthene	Ave	1.214	1.201	0.9000	12.4	12.5	-1.1	20.0
2,4-Dinitrophenol	Ave	0.1615	0.1931	0.0100	29.9	25.0	19.5	20.0
4-Nitrophenol	Ave	0.2005	0.2016	0.0100	25.1	25.0	0.5	20.0
Pentachlorobenzene	Ave	0.5316	0.5537		13.0	12.5	4.2	20.0
2,4-Dinitrotoluene	Ave	0.3785	0.4196	0.2000	13.9	12.5	10.9	20.0
Dibenzofuran	Ave	1.739	1.702	0.8000	12.2	12.5	-2.1	20.0
1-Naphthylamine	Ave	1.124	1.196		13.3	12.5	6.4	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3501	0.3649	0.0100	13.0	12.5	4.2	20.0
2-Naphthylamine	Ave	1.201	1.230		12.8	12.5	2.5	20.0
Diethyl phthalate	Ave	1.370	1.334	0.0100	12.2	12.5	-2.6	20.0
Thionazin	Ave	0.2430	0.2343		12.1	12.5	-3.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-655733/2 Calibration Date: 06/10/2025 19:35

Instrument ID: HP19760 Calib Start Date: 05/30/2025 22:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/31/2025 00:59

Lab File ID: DF1051.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluorene	Ave	1.402	1.366	0.9000	12.2	12.5	-2.6	20.0
4-Chlorophenyl-phenyl ether	Ave	0.6859	0.6828	0.4000	12.4	12.5	-0.4	20.0
5-Nitro-o-toluidine	Ave	0.3428	0.3643		13.3	12.5	6.3	20.0
4-Nitroaniline	Ave	0.3179	0.3243	0.0100	12.8	12.5	2.0	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1212	0.1537	0.0100	31.7	25.0	26.8*	20.0
N-Nitrosodiphenylamine	Ave	0.5969	0.6452	0.0100	11.5	10.6	8.1	20.0
1,2-Diphenylhydrazine	Ave	0.8863	0.8513		12.0	12.5	-4.0	20.0
Sulfotepp	Ave	0.1446	0.1454		12.6	12.5	0.6	20.0
1,3,5-Trinitrobenzene	Ave	0.0687	0.0864			12.5	25.7*	20.0
cis-Diallate	Ave	0.3842	0.3592		8.65	9.25	-6.5	20.0
Phorate	Ave	0.5276	0.5397		12.8	12.5	2.3	20.0
Phenacetin	Ave	0.3518	0.3871		13.8	12.5	10.0	20.0
4-Bromophenyl-phenylether	Ave	0.2098	0.2336	0.1000	13.9	12.5	11.4	20.0
trans-Diallate	Ave	0.3694	0.3558		3.13	3.25	-3.7	20.0
Hexachlorobenzene	Ave	0.2268	0.2547	0.1000	14.0	12.5	12.3	20.0
Dimethoate	Ave	0.3228	0.3512		13.6	12.5	8.8	20.0
Atrazine	Ave	0.1919	0.2216	0.0100	14.4	12.5	15.5	20.0
Pentachlorophenol	Lin2		0.1529	0.0500	26.1	25.0	4.4	20.0
4-Aminobiphenyl	Ave	0.7739	0.8305		13.4	12.5	7.3	20.0
Pentachloronitrobenzene	Ave	0.0910	0.1108		15.2	12.5	21.7*	20.0
Pronamide	Ave	0.2941	0.3373		14.3	12.5	14.7	20.0
Dinoseb	Lin2		0.2084		15.3	12.5	22.6*	20.0
Disulfoton	Ave	0.4965	0.5212		13.1	12.5	5.0	20.0
Phenanthrene	Ave	1.080	1.069	0.7000	12.4	12.5	-1.0	20.0
Anthracene	Ave	1.057	1.103	0.7000	13.0	12.5	4.4	20.0
Carbazole	Ave	0.9601	1.015	0.0100	13.2	12.5	5.7	20.0
Methyl parathion	Ave	0.2344	0.2596		13.8	12.5	10.8	20.0
Di-n-butyl phthalate	Ave	1.021	1.138	0.0100	13.9	12.5	11.4	20.0
Parathion	Ave	0.1409	0.1509		13.4	12.5	7.1	20.0
4-Nitroquinoline-1-oxide	Lin1		0.0896		14.7	12.5	18.0	20.0
Octachlorostyrene	Ave	0.0850	0.1003		14.8	12.5	18.0	20.0
Isodrin	Ave	0.1238	0.1261		12.7	12.5	1.9	20.0
Fluoranthene	Ave	1.131	1.210	0.6000	13.4	12.5	7.0	20.0
Benzidine	Ave	0.7314	0.8013		41.1	37.5	9.6	20.0
Pyrene	Ave	1.245	1.172	0.6000	11.8	12.5	-5.8	20.0
p-Dimethylamino azobenzene	Ave	0.1871	0.2030		13.6	12.5	8.5	20.0
Chlorobenzilate	Ave	0.2960	0.3222		13.6	12.5	8.8	20.0
3,3'-Dimethylbenzidine	Ave	0.5368	0.6581		15.3	12.5	22.6*	20.0
Butylbenzylphthalate	Ave	0.4405	0.4694	0.0100	13.3	12.5	6.6	20.0
2-Acetylaminofluorene	Ave	0.3587	0.3964		13.8	12.5	10.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-655733/2 Calibration Date: 06/10/2025 19:35

Instrument ID: HP19760 Calib Start Date: 05/30/2025 22:18

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/31/2025 00:59

Lab File ID: DF1051.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	Ave	0.4081	0.4488	0.0100	13.7	12.5	10.0	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.1873	0.2226		14.9	12.5	18.9	20.0
Benzo[a]anthracene	Ave	0.9899	1.071	0.8000	13.5	12.5	8.2	20.0
Chrysene	Ave	0.9684	1.010	0.7000	13.0	12.5	4.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6247	0.6531	0.0100	13.1	12.5	4.5	20.0
6-Methylchrysene	Ave	0.6349	0.7155		14.1	12.5	12.7	20.0
Di-n-octyl phthalate	Lin2		1.213	0.0100	12.0	12.5	-4.3	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4933	0.5482		13.9	12.5	11.1	20.0
Benzo[b]fluoranthene	Ave	1.201	1.243	0.7000	12.9	12.5	3.5	20.0
Benzo[k]fluoranthene	Ave	1.271	1.314	0.7000	12.9	12.5	3.3	20.0
Benzo[a]pyrene	Ave	1.118	1.192	0.7000	13.3	12.5	6.6	20.0
3-Methylcholanthrene	Ave	0.5205	0.5937		14.3	12.5	14.1	20.0
Dibenz[a,h]acridine	Ave	0.7781	0.8731		14.0	12.5	12.2	20.0
Dibenz[a,j]acridine	Ave	0.9226	0.9840		13.3	12.5	6.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.026	1.102	0.5000	13.4	12.5	7.4	20.0
Dibenz(a,h)anthracene	Ave	1.034	1.108	0.4000	13.4	12.5	7.2	20.0
Benzo[g,h,i]perylene	Ave	1.053	1.104	0.5000	13.1	12.5	4.9	20.0
2-Fluorophenol (Surr)	Ave	1.349	1.404		26.0	25.0	4.1	20.0
Phenol-d5 (Surr)	Ave	1.971	2.062		26.2	25.0	4.6	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4628	0.4879		26.4	25.0	5.4	20.0
2-Fluorobiphenyl (Surr)	Ave	1.391	1.438		25.8	25.0	3.4	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1977	0.2260		28.6	25.0	14.3	20.0
p-Terphenyl-d14 (Surr)	Ave	0.7810	0.7986		25.6	25.0	2.3	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D
Lims ID: CCVIS L6
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Jun-2025 19:35:28 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 10-Jun-2025 20:52:42 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: N5QU Date: 10-Jun-2025 20:14:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.498	1.498	0.000	92	278653	12.5	11.3	
3 N-Nitrosodimethylamine	74	1.708	1.708	0.000	88	482898	12.5	11.9	
4 Pyridine	79	1.737	1.737	0.000	98	1491349	25.0	22.9	
6 Dimethylformamide	73	2.011	2.011	0.000	89	587983	12.5	12.4	
7 2-Picoline	93	2.296	2.296	0.000	90	851842	12.5	13.0	
8 N-Nitrosomethylethylamine	88	2.384	2.384	0.000	86	383060	12.5	11.9	
9 Methyl methanesulfonate	80	2.646	2.646	0.000	83	440224	12.5	12.0	
$ 10 2-Fluorophenol	112	2.803	2.803	0.000	92	1428703	25.0	26.0	
11 N-Nitrosodiethylamine	102	3.007	3.007	0.000	92	373053	12.5	13.0	
12 Ethyl methanesulfonate	109	3.305	3.305	0.000	98	406787	12.5	12.8	
15 Benzaldehyde	77	3.631	3.631	0.000	97	677247	12.5	11.8	
$ 16 Phenol-d5	99	3.707	3.707	0.000	96	2099201	25.0	26.2	
17 Phenol	94	3.724	3.724	0.000	83	1111689	12.5	13.1	
18 Aniline	93	3.736	3.736	0.000	97	1328512	12.5	12.7	
19 Bis(2-chloroethyl)ether	93	3.806	3.806	0.000	97	811008	12.5	12.1	
20 2-Chlorophenol	128	3.852	3.852	0.000	95	688119	12.5	12.7	
21 1,3-Dichlorobenzene	146	3.998	3.998	0.000	95	745592	12.5	12.5	
* 22 1,4-Dichlorobenzene-d4	152	4.057	4.057	0.000	95	203560	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.074	4.074	0.000	91	763919	12.5	12.7	
25 Benzyl alcohol	108	4.196	4.196	0.000	90	514042	12.5	12.7	
26 1,2-Dichlorobenzene	146	4.220	4.220	0.000	95	726315	12.5	12.6	
28 2-Methylphenol	108	4.313	4.313	0.000	93	720120	12.5	12.9	
29 2,2'-oxybis[1-chloropropane]	45	4.330	4.330	0.000	95	929735	12.5	10.9	
31 N-Nitrosopyrrolidine	100	4.430	4.430	0.000	90	415188	12.5	13.1	
34 Acetophenone	105	4.453	4.453	0.000	96	1110870	12.5	11.8	
33 N-Nitrosodi-n-propylamine	70	4.459	4.459	0.000	75	622805	12.5	11.6	
32 4-Methylphenol	108	4.465	4.465	0.000	92	789195	12.5	12.9	
35 N-Nitrosomorpholine	56	4.470	4.470	0.000	89	435069	12.5	10.8	
36 2-Toluidine	106	4.482	4.482	0.000	95	1185067	12.5	12.4	
38 Hexachloroethane	117	4.546	4.546	0.000	94	306163	12.5	11.8	
$ 39 Nitrobenzene-d5	82	4.593	4.593	0.000	86	1794847	25.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.616	4.616	0.000	84	851705	12.5	13.0	
42 N-Nitrosopiperidine	114	4.756	4.756	0.000	88	363362	12.5	13.7	
43 Isophorone	82	4.849	4.849	0.000	96	1604174	12.5	12.8	
44 2-Nitrophenol	139	4.919	4.919	0.000	90	358969	12.5	15.1	
45 2,4-Dimethylphenol	107	4.977	4.977	0.000	96	775969	12.5	13.7	
46 o,o',o''-Triethylphosphorothioat	198	5.042	5.042	0.000	85	378759	12.5	13.7	
47 Bis(2-chloroethoxy)methane	93	5.065	5.065	0.000	97	997213	12.5	12.6	
48 2,4-Dichlorophenol	162	5.158	5.158	0.000	95	577620	12.5	13.8	
49 1,2,4-Trichlorobenzene	180	5.234	5.234	0.000	94	639414	12.5	13.5	
* 50 Naphthalene-d8	136	5.286	5.286	0.000	100	735813	5.00	5.00	a
51 Naphthalene	128	5.304	5.304	0.000	97	1999514	12.5	12.7	
52 Alpha-Terpineol	59	5.327	5.327	0.000	94	623887	12.5	11.9	
53 4-Chloroaniline	127	5.368	5.368	0.000	93	828502	12.5	12.8	
54 2,6-Dichlorophenol	162	5.374	5.374	0.000	97	560126	12.5	13.1	
55 Hexachloropropene	213	5.391	5.391	0.000	86	437524	12.5	15.7	
56 Hexachlorobutadiene	225	5.432	5.432	0.000	94	388916	12.5	13.8	
60 Quinoline	129	5.624	5.624	0.000	95	1311257	12.5	12.9	
61 Caprolactam	113	5.689	5.689	0.000	77	210328	12.5	13.0	
62 N-Nitrosodi-n-butylamine	84	5.694	5.694	0.000	88	722645	12.5	12.7	
63 p-Phenylene diamine	108	5.706	5.706	0.000	96	769514	12.5	13.8	
64 4-Chloro-3-methylphenol	107	5.846	5.846	0.000	94	675575	12.5	13.1	
65 Safrole, Total	162	5.898	5.898	0.000	89	527457	12.5	13.2	
66 2-Methylnaphthalene	142	5.968	5.968	0.000	91	1192268	12.5	12.8	a
67 1-Methylnaphthalene	142	6.062	6.062	0.000	92	1237698	12.5	12.5	a
68 Hexachlorocyclopentadiene	237	6.120	6.120	0.000	95	499662	12.5	15.6	
69 1,2,4,5-Tetrachlorobenzene	216	6.131	6.131	0.000	97	699065	12.5	13.3	
70 Isosafrole Peak 1	162	6.172	6.172	0.000	89	94098	2.00	2.19	
71 2,4,6-Trichlorophenol	196	6.248	6.248	0.000	94	443879	12.5	14.1	
72 2,4,5-Trichlorophenol	196	6.283	6.283	0.000	95	486418	12.5	13.7	
$ 73 2-Fluorobiphenyl (Surr)	172	6.324	6.324	0.000	99	3086532	25.0	25.8	
74 Isosafrole Peak 2	162	6.388	6.388	0.000	91	530541	10.5	11.3	
75 1,1'-Biphenyl	154	6.417	6.417	0.000	96	1638434	12.5	12.7	
76 2-Chloronaphthalene	162	6.429	6.429	0.000	97	1235066	12.5	12.5	
77 1-Chloronaphthalene	162	6.452	6.452	0.000	98	1166912	12.5	13.0	
78 Phenyl ether	170	6.522	6.522	0.000	85	929847	12.5	12.3	
79 2-Nitroaniline	138	6.534	6.534	0.000	79	409441	12.5	13.5	
81 1,4-Naphthoquinone	158	6.604	6.604	0.000	87	488053	12.5	13.1	
84 1,4-Dinitrobenzene	168	6.674	6.674	0.000	87	210070	12.5	14.8	
85 Dimethyl phthalate	163	6.720	6.720	0.000	99	1462076	12.5	12.7	
86 1,3-Dinitrobenzene	168	6.738	6.738	0.000	86	243876	12.5	13.9	
87 2,6-Dinitrotoluene	165	6.773	6.773	0.000	95	322128	12.5	14.0	
88 Acenaphthylene	152	6.819	6.819	0.000	99	2007316	12.5	12.8	
89 3-Nitroaniline	138	6.924	6.924	0.000	91	361735	12.5	13.0	
* 90 Acenaphthene-d10	164	6.953	6.953	0.000	95	429277	5.00	5.00	
91 Acenaphthene	153	6.988	6.988	0.000	96	1288916	12.5	12.4	
92 2,4-Dinitrophenol	184	7.029	7.029	0.000	88	414449	25.0	29.9	
93 4-Nitrophenol	109	7.111	7.111	0.000	85	432701	25.0	25.1	
94 Pentachlorobenzene	250	7.111	7.111	0.000	98	594211	12.5	13.0	
95 2,4-Dinitrotoluene	165	7.152	7.152	0.000	64	450323	12.5	13.9	
96 Dibenzofuran	168	7.152	7.152	0.000	95	1827036	12.5	12.2	
97 1-Naphthylamine	143	7.227	7.227	0.000	99	1283385	12.5	13.3	
98 2,3,4,6-Tetrachlorophenol	232	7.274	7.274	0.000	72	391647	12.5	13.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 2-Naphthylamine	143	7.303	7.303	0.000	95	1320527	12.5	12.8	
100 Diethyl phthalate	149	7.396	7.396	0.000	98	1432007	12.5	12.2	
101 Thionazin	107	7.466	7.466	0.000	80	251442	12.5	12.1	
102 Fluorene	166	7.472	7.472	0.000	94	1465827	12.5	12.2	
103 4-Chlorophenyl phenyl ether	204	7.484	7.484	0.000	90	732793	12.5	12.4	
104 N-Nitro-o-toluidine	152	7.495	7.495	0.000	90	390942	12.5	13.3	a
105 4-Nitroaniline	138	7.501	7.501	0.000	80	348016	12.5	12.8	
106 4,6-Dinitro-2-methylphenol	198	7.530	7.530	0.000	86	587010	25.0	31.7	a
107 N-Nitrosodiphenylamine	169	7.600	7.600	0.000	66	1046939	10.6	11.5	
108 1,2-Diphenylhydrazine	77	7.635	7.635	0.000	41	1625205	12.5	12.0	a
$ 109 2,4,6-Tribromophenol	330	7.705	7.705	0.000	93	484995	25.0	28.6	
110 Sulfotepp	97	7.764	7.764	0.000	78	277679	12.5	12.6	
112 1,3,5-Trinitrobenzene	213	7.868	7.868	0.000	86	164901	12.5	15.7	
113 cis-Diallate	86	7.874	7.874	0.000	0	507475	9.25	8.65	a
114 Phorate	75	7.886	7.886	0.000	96	1030302	12.5	12.8	a
115 Phenacetin	108	7.903	7.903	0.000	93	739014	12.5	13.8	
116 4-Bromophenyl phenyl ether	248	7.944	7.944	0.000	62	446018	12.5	13.9	a
117 trans-Diallate	86	7.962	7.962	0.000	0	176589	3.25	3.13	a
118 Hexachlorobenzene	284	7.991	7.991	0.000	95	486296	12.5	14.0	
119 Dimethoate	87	8.043	8.043	0.000	97	670436	12.5	13.6	
120 Atrazine	200	8.119	8.119	0.000	94	423146	12.5	14.4	a
121 Pentachlorophenol	266	8.183	8.183	0.000	92	583814	25.0	26.1	a
122 4-Aminobiphenyl	169	8.189	8.189	0.000	91	1585590	12.5	13.4	
123 Pentachloronitrobenzene	237	8.189	8.189	0.000	59	211544	12.5	15.2	
124 Pronamide	173	8.259	8.259	0.000	89	643892	12.5	14.3	
* 126 Phenanthrene-d10	188	8.358	8.358	0.000	97	763655	5.00	5.00	a
125 Dinoseb	211	8.370	8.370	0.000	97	397818	12.5	15.3	
127 Disulfoton	88	8.381	8.381	0.000	73	994984	12.5	13.1	
128 Phenanthrene	178	8.381	8.381	0.000	93	2041040	12.5	12.4	a
129 Anthracene	178	8.428	8.428	0.000	97	2105942	12.5	13.0	a
130 Carbazole	167	8.591	8.591	0.000	96	1937667	12.5	13.2	
131 Methyl parathion	109	8.731	8.731	0.000	91	495591	12.5	13.8	
133 Di-n-butyl phthalate	149	8.947	8.947	0.000	100	2171762	12.5	13.9	
134 Ethyl Parathion	109	9.104	9.104	0.000	85	288171	12.5	13.4	
135 4-Nitroquinoline-1-oxide	190	9.116	9.116	0.000	90	171115	12.5	14.7	
140 Octachlorostyrene	308	9.331	9.331	0.000	90	191556	12.5	14.8	
141 Isodrin	193	9.361	9.361	0.000	94	240830	12.5	12.7	
143 Fluoranthene	202	9.506	9.506	0.000	98	2310834	12.5	13.4	a
147 Benzidine	184	9.652	9.652	0.000	99	4769726	37.5	41.1	
S 136 Diallate	86				0		12.5	11.8	
* 149 Pyrene-d10 (IS)	212	9.699	9.699	0.000	99	793657	5.00	5.00	
150 Pyrene	202	9.716	9.716	0.000	97	2325965	12.5	11.8	
$ 152 p-Terphenyl-d14	244	9.885	9.885	0.000	100	3168959	25.0	25.6	
154 p-Dimethylamino azobenzene	225	10.019	10.019	0.000	94	402788	12.5	13.6	
155 Chlorobenzilate	139	10.072	10.072	0.000	92	639333	12.5	13.6	
156 3,3'-Dimethylbenzidine	212	10.351	10.351	0.000	99	1305754	12.5	15.3	
157 Butyl benzyl phthalate	149	10.381	10.381	0.000	97	931411	12.5	13.3	
158 2-Acetylaminofluorene	181	10.602	10.602	0.000	94	786521	12.5	13.8	
159 3,3'-Dichlorobenzidine	252	10.917	10.917	0.000	74	890449	12.5	13.7	
161 Benzo[a]anthracene	228	10.923	10.923	0.000	99	2125447	12.5	13.5	
160 4,4'-Methylene bis(2-chloroanil	231	10.923	10.923	0.000	94	441630	12.5	14.9	
162 Chrysene	228	10.963	10.963	0.000	97	2004161	12.5	13.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
163 Bis(2-ethylhexyl) phthalate	149	11.022	11.022	0.000	97	1295791	12.5	13.1	
164 6-Methylchrysene	242	11.488	11.488	0.000	99	1419616	12.5	14.1	
165 Di-n-octyl phthalate	149	11.814	11.814	0.000	99	2005232	12.5	12.0	
166 7,12-Dimethylbenz(a)anthracene	256	12.211	12.211	0.000	82	906194	12.5	13.9	
167 Benzo[b]fluoranthene	252	12.211	12.211	0.000	97	2054273	12.5	12.9	
168 Benzo[k]fluoranthene	252	12.246	12.246	0.000	99	2171711	12.5	12.9	
169 Benzo[a]pyrene	252	12.636	12.636	0.000	77	1971181	12.5	13.3	
* 170 Perylene-d12	264	12.712	12.712	0.000	98	661247	5.00	5.00	
171 3-Methylcholanthrene	268	13.126	13.126	0.000	90	981477	12.5	14.3	
172 Dibenz[a,h]acridine	279	13.872	13.872	0.000	90	1443358	12.5	14.0	
173 Dibenz[a,j]acridine	279	13.942	13.942	0.000	96	1626641	12.5	13.3	
174 Indeno[1,2,3-cd]pyrene	276	14.169	14.169	0.000	99	1820946	12.5	13.4	
175 Dibenz(a,h)anthracene	278	14.216	14.216	0.000	93	1832301	12.5	13.4	
176 Benzo[g,h,i]perylene	276	14.542	14.542	0.000	98	1825002	12.5	13.1	
S 178 Dinitrotoluene	165				0		25.0	27.8	
S 182 Isosafrole	162				0		12.5	13.5	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270_6_00065 Amount Added: 1.00 Units: mL

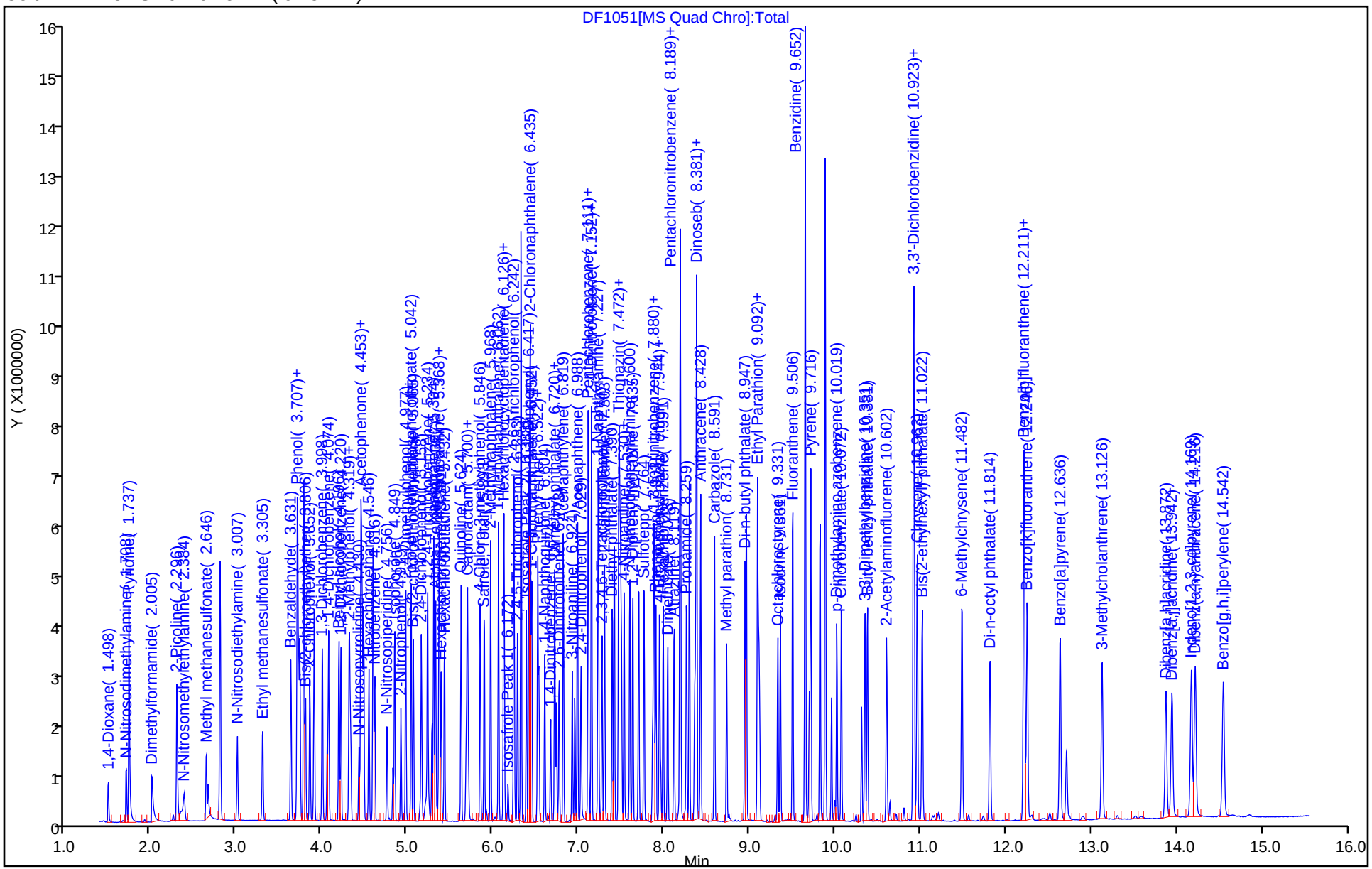
Report Date: 10-Jun-2025 20:52:43 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D

Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	CCVIS L6			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

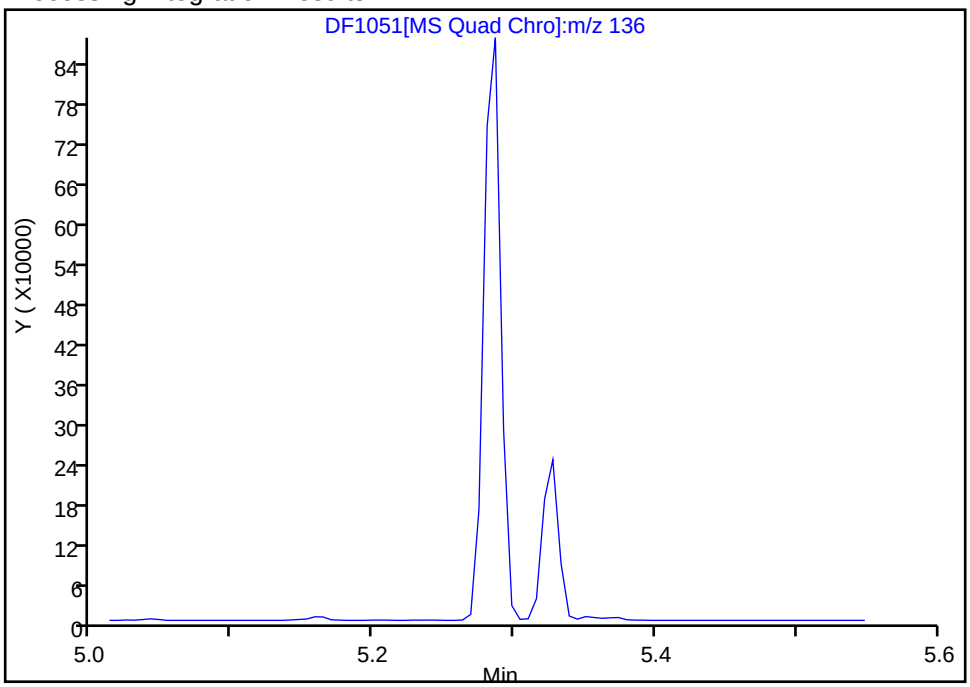
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 50 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

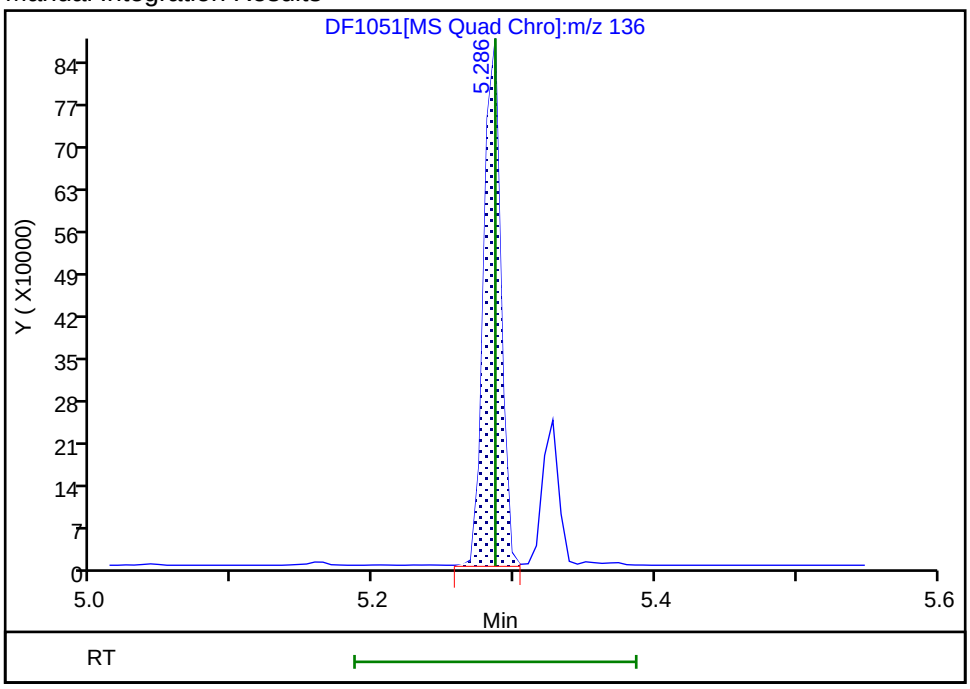
Not Detected
Expected RT: 5.29

Processing Integration Results



Manual Integration Results

RT: 5.29
Area: 735813
Amount: 5.000000
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:53:36 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

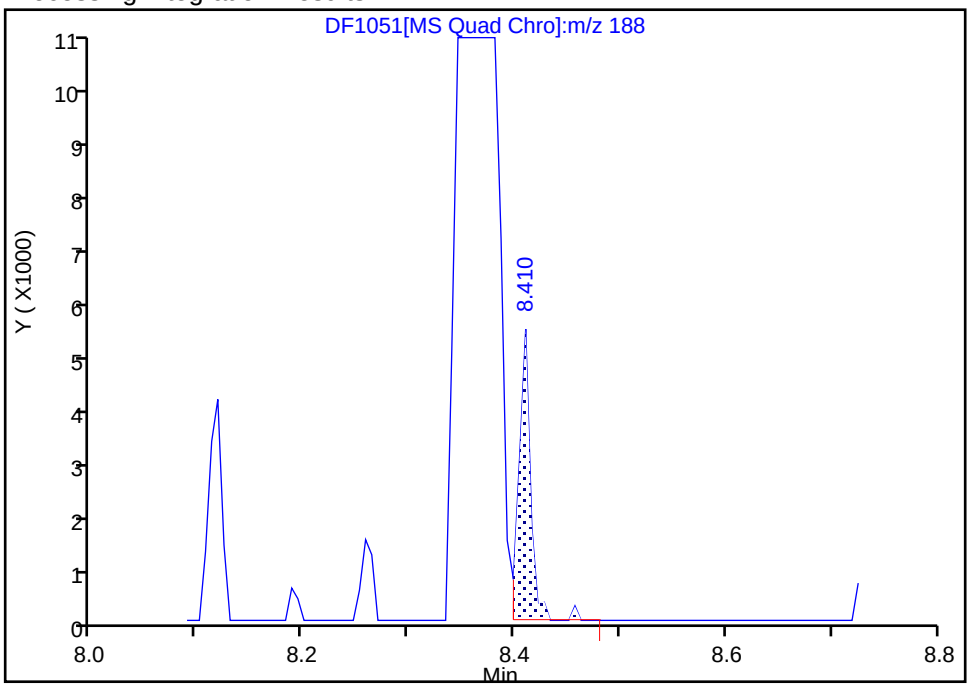
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 126 Phenanthrene-d10, CAS: 1517-22-2

Signal: 1

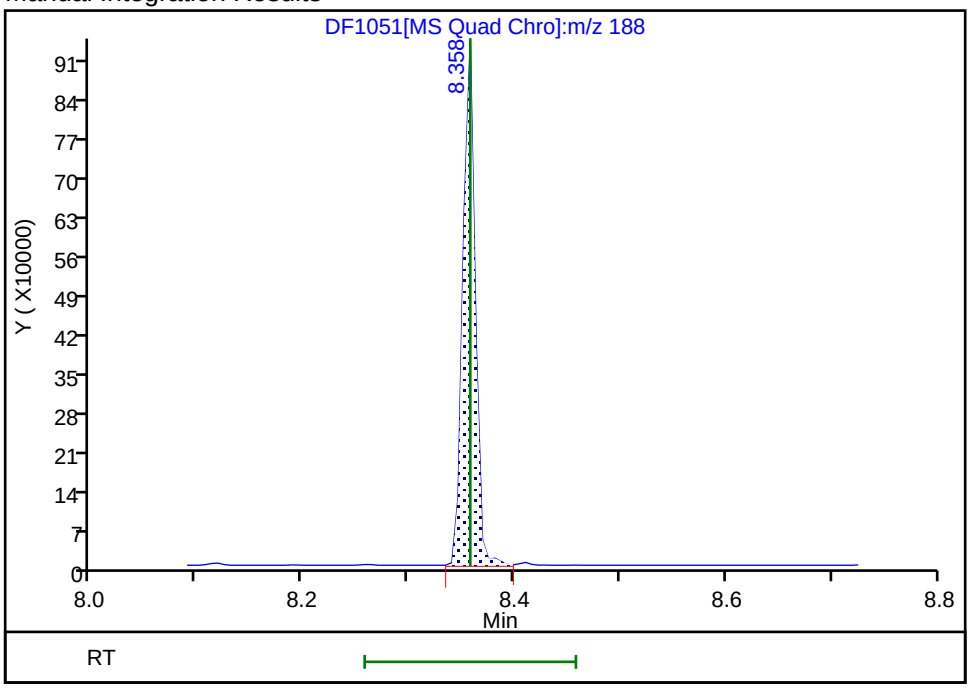
Processing Integration Results

RT: 8.41
Area: 3759
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 8.36
Area: 763655
Amount: 5.000000
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:53:42 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

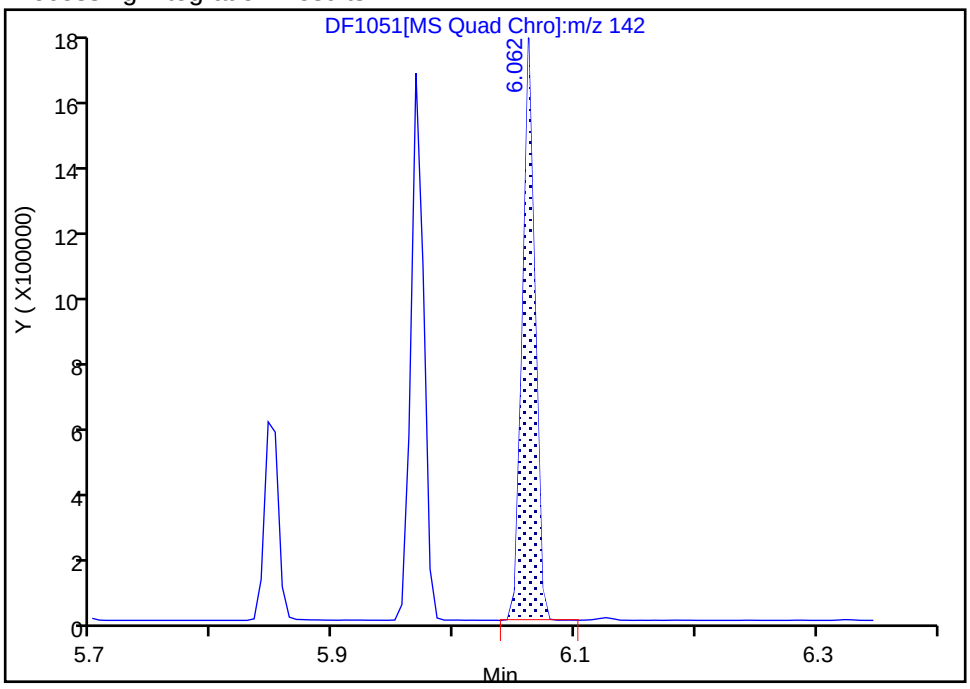
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

66 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

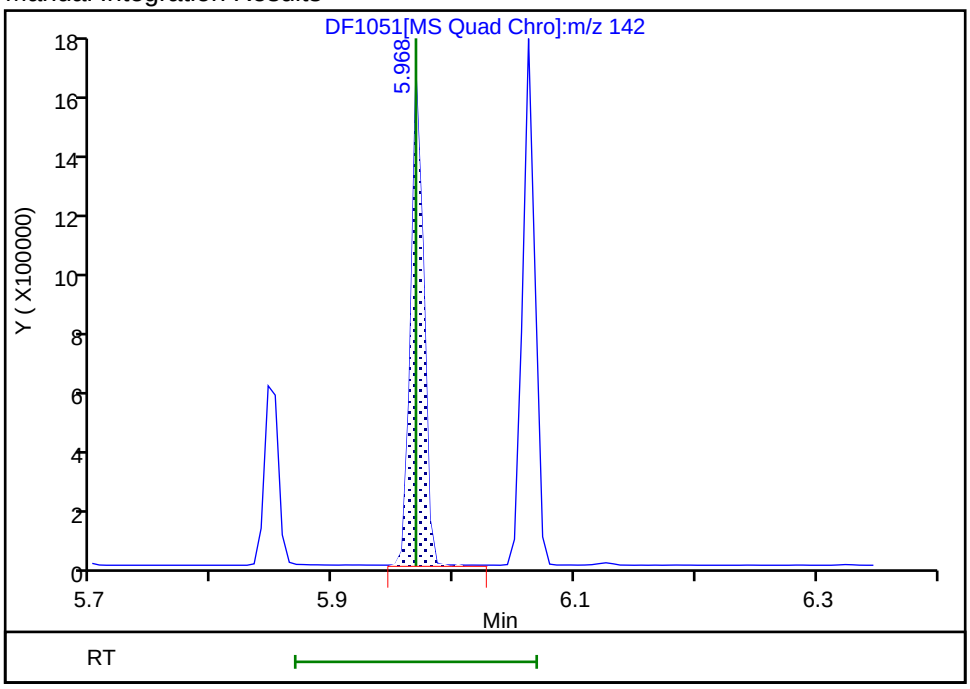
Processing Integration Results

RT: 6.06
Area: 1237698
Amount: 13.328214
Amount Units: ug/ml



Manual Integration Results

RT: 5.97
Area: 1192268
Amount: 12.838999
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:07 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

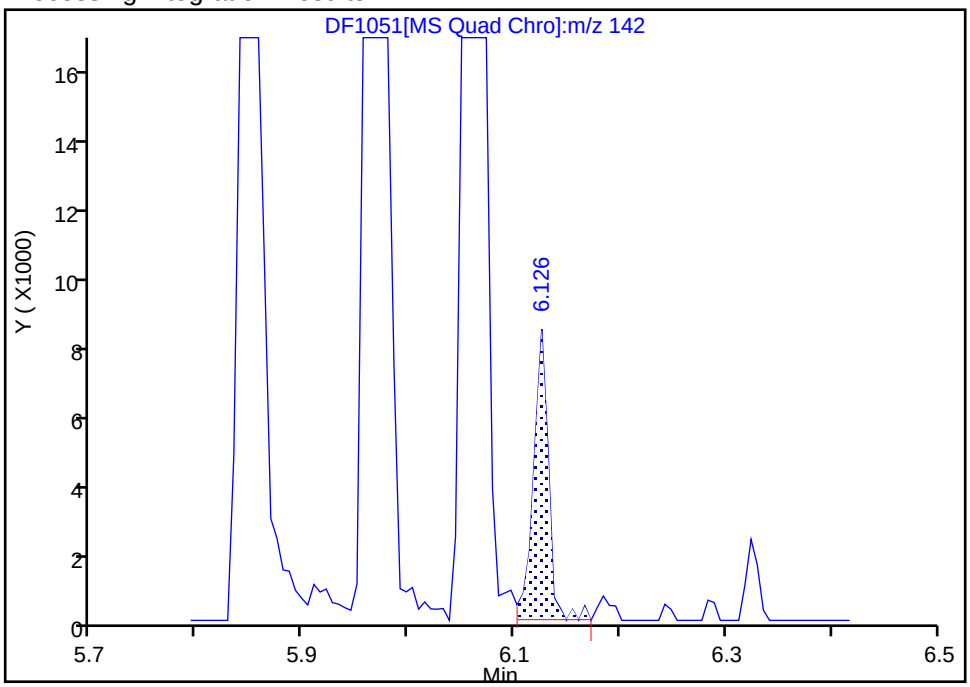
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

67 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

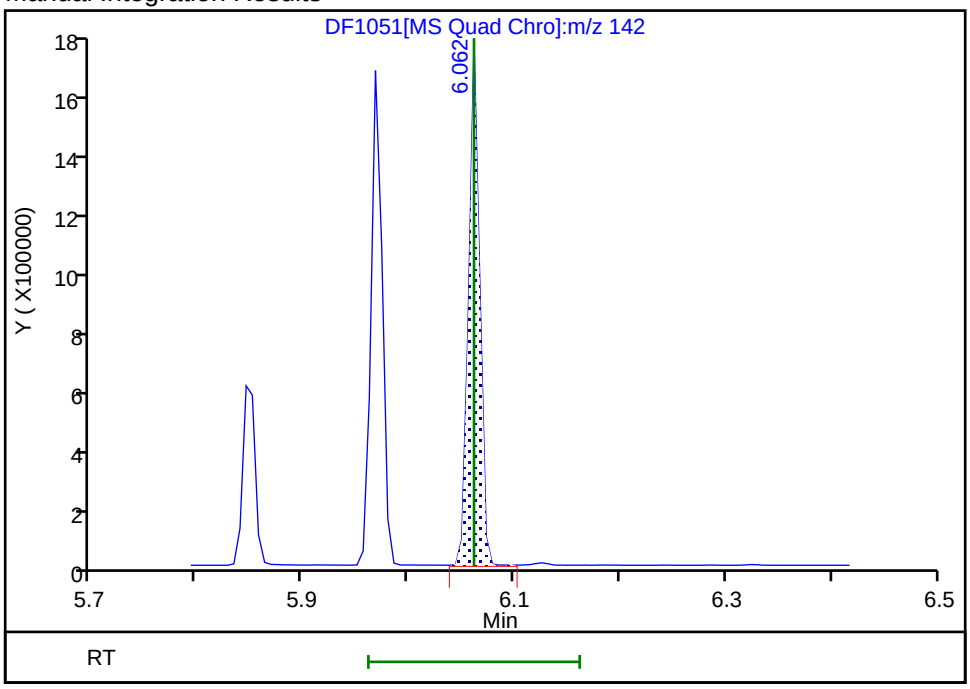
Processing Integration Results

RT: 6.13
Area: 7856
Amount: 0.079156
Amount Units: ug/ml



Manual Integration Results

RT: 6.06
Area: 1237698
Amount: 12.470910
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:10 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

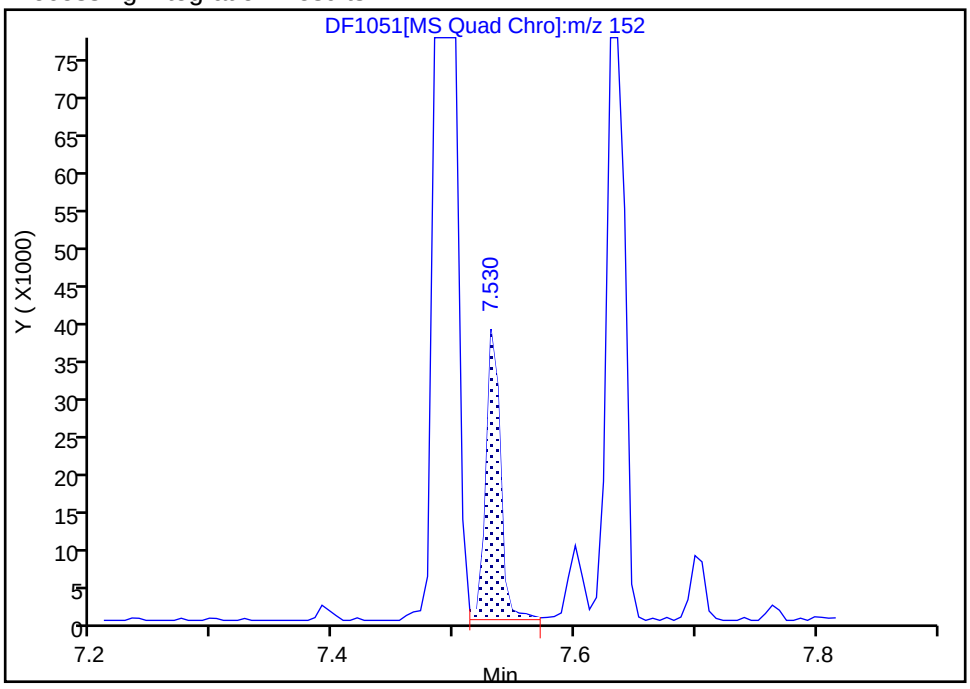
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

104 N-Nitro-o-toluidine, CAS: 99-55-8

Signal: 1

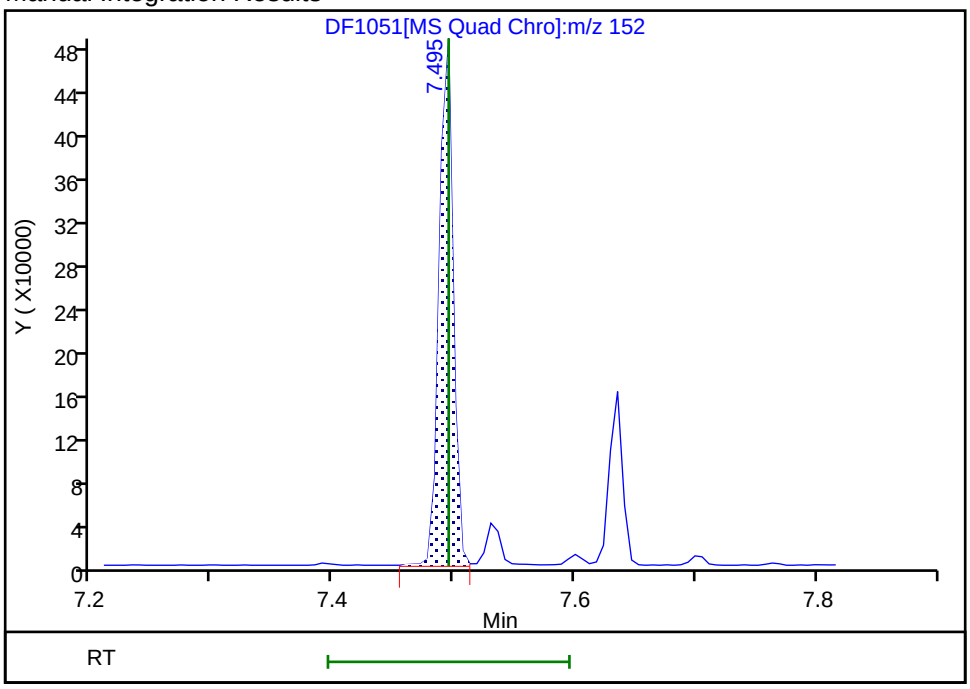
Processing Integration Results

RT: 7.53
Area: 32462
Amount: 1.103051
Amount Units: ug/ml



Manual Integration Results

RT: 7.50
Area: 390942
Amount: 13.284113
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:17 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

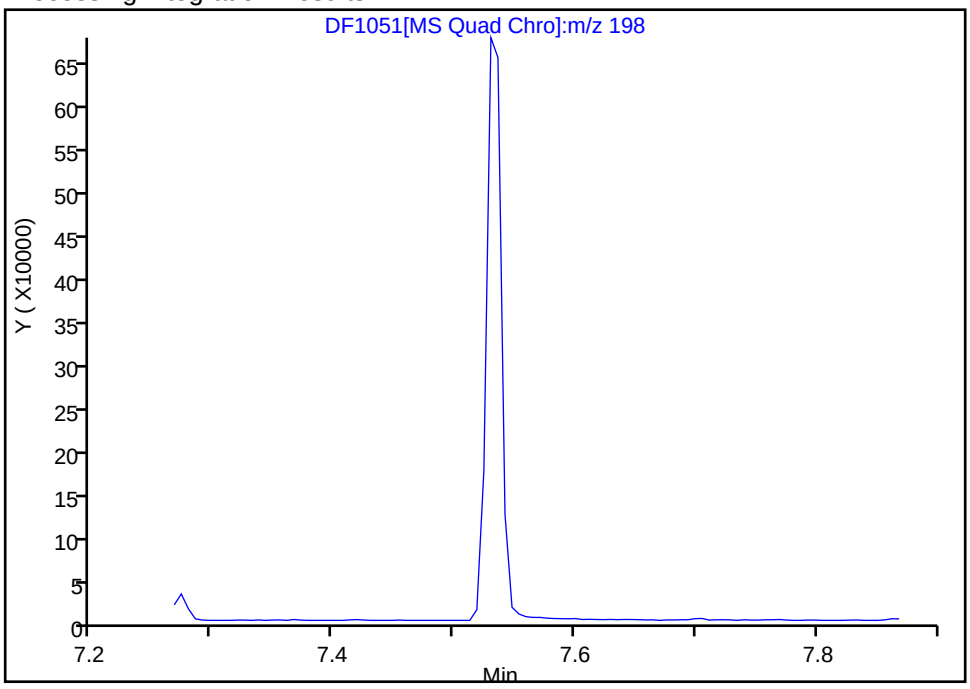
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

106 4,6-Dinitro-2-methylphenol, CAS: 534-52-1

Signal: 1

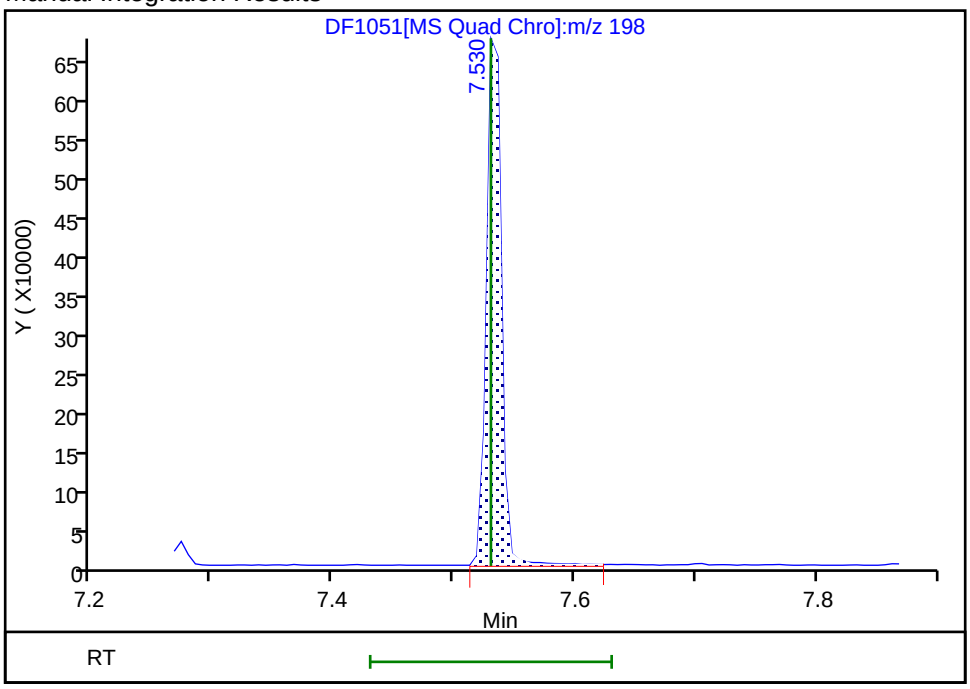
Not Detected
Expected RT: 7.53

Processing Integration Results



Manual Integration Results

RT: 7.53
Area: 587010
Amount: 31.701670
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:19 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

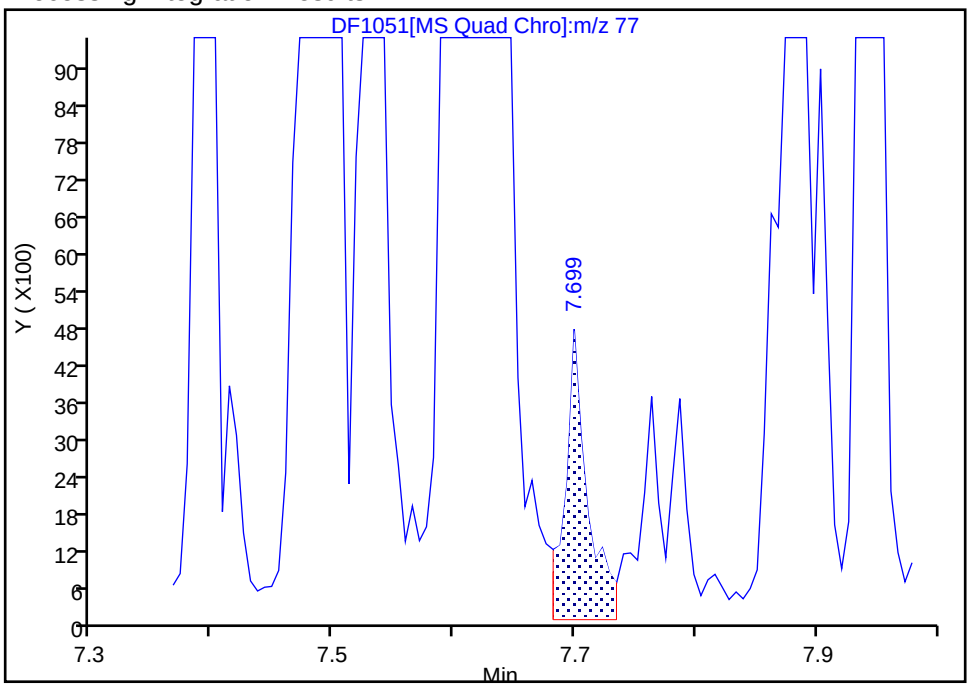
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

108 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

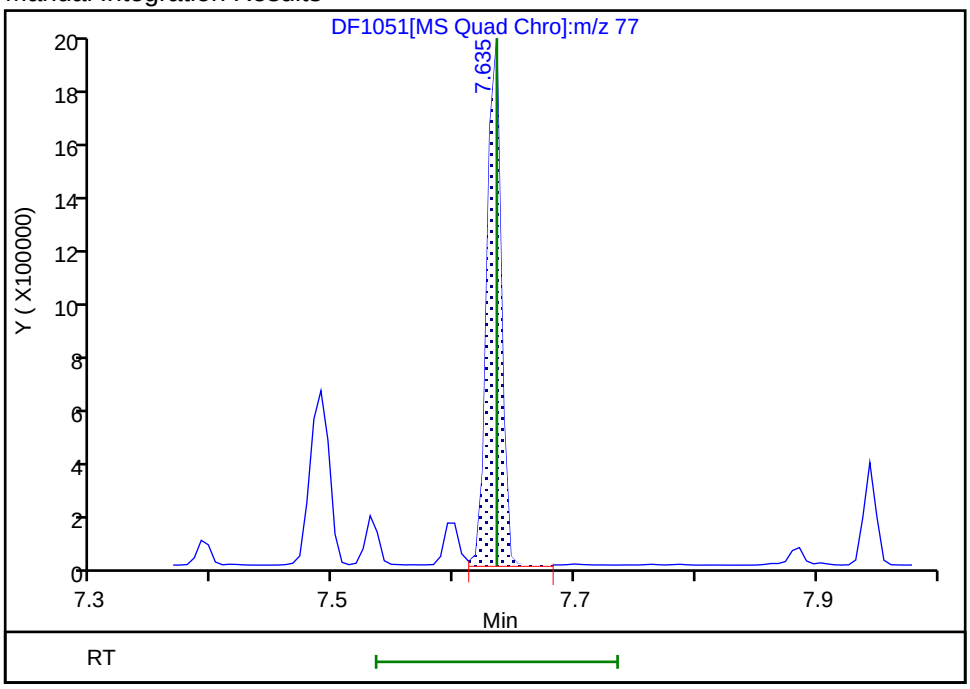
Processing Integration Results

RT: 7.70
Area: 5818
Amount: 0.042978
Amount Units: ug/ml



Manual Integration Results

RT: 7.64
Area: 1625205
Amount: 12.005558
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:22 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

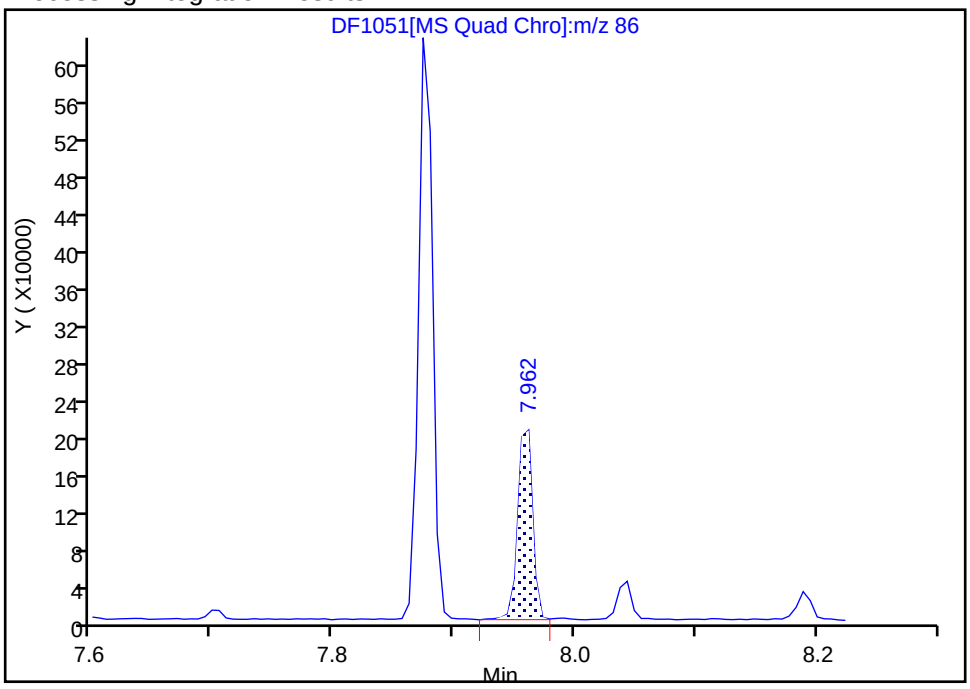
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

113 cis-Diallate, CAS: 17708-57-5

Signal: 1

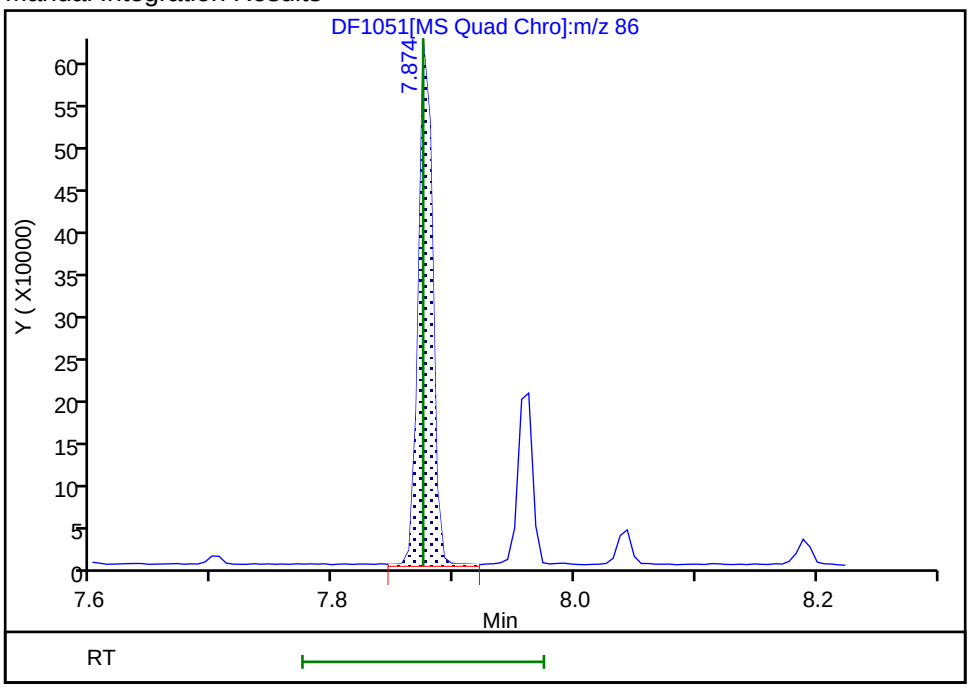
Processing Integration Results

RT: 7.96
Area: 176589
Amount: 3.009326
Amount Units: ug/ml



Manual Integration Results

RT: 7.87
Area: 507475
Amount: 8.648090
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:30 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

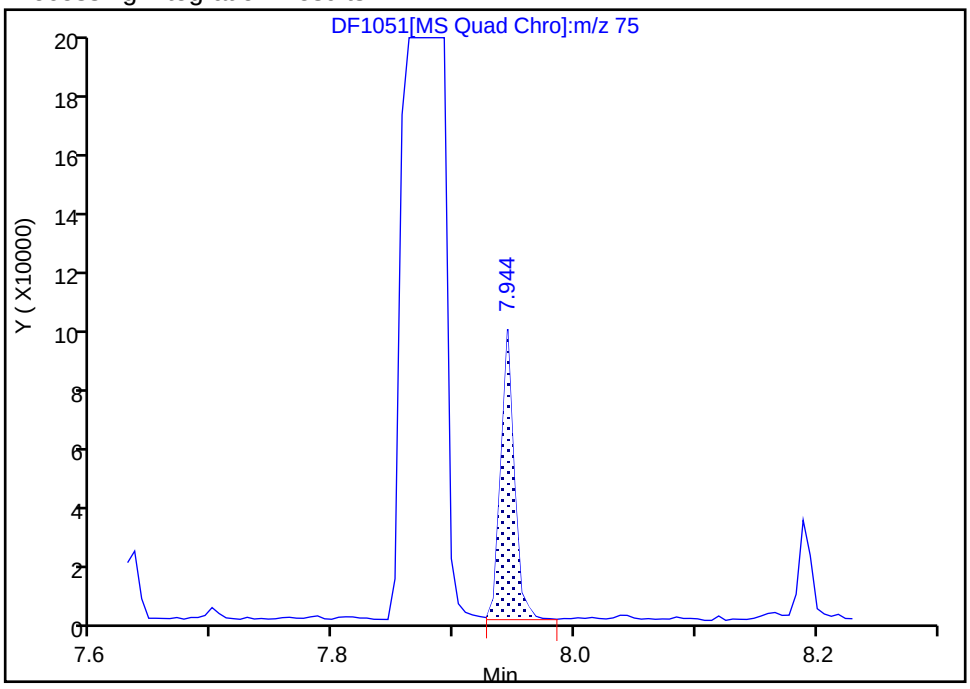
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

114 Phorate, CAS: 298-02-2

Signal: 1

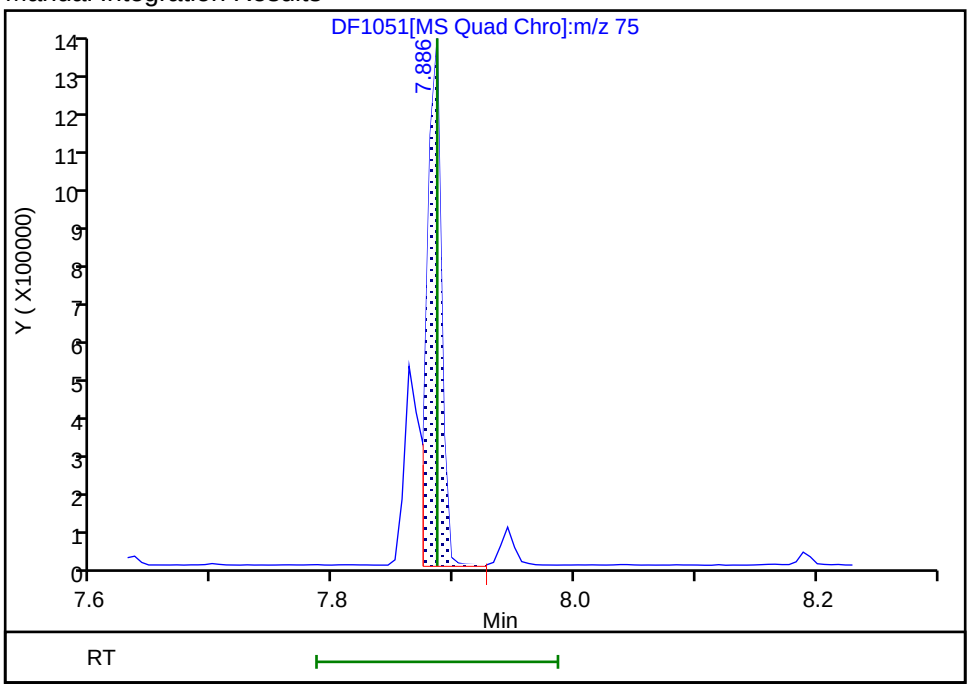
Processing Integration Results

RT: 7.94
Area: 75356
Amount: 0.935116
Amount Units: ug/ml



Manual Integration Results

RT: 7.89
Area: 1030302
Amount: 12.785344
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:26 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

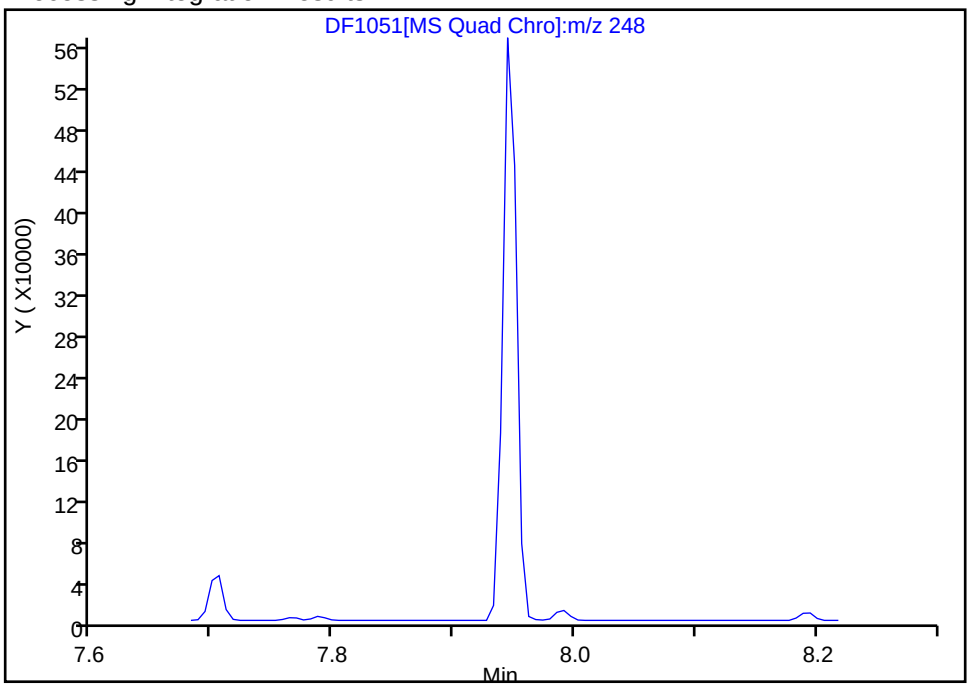
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

116 4-Bromophenyl phenyl ether, CAS: 101-55-3

Signal: 1

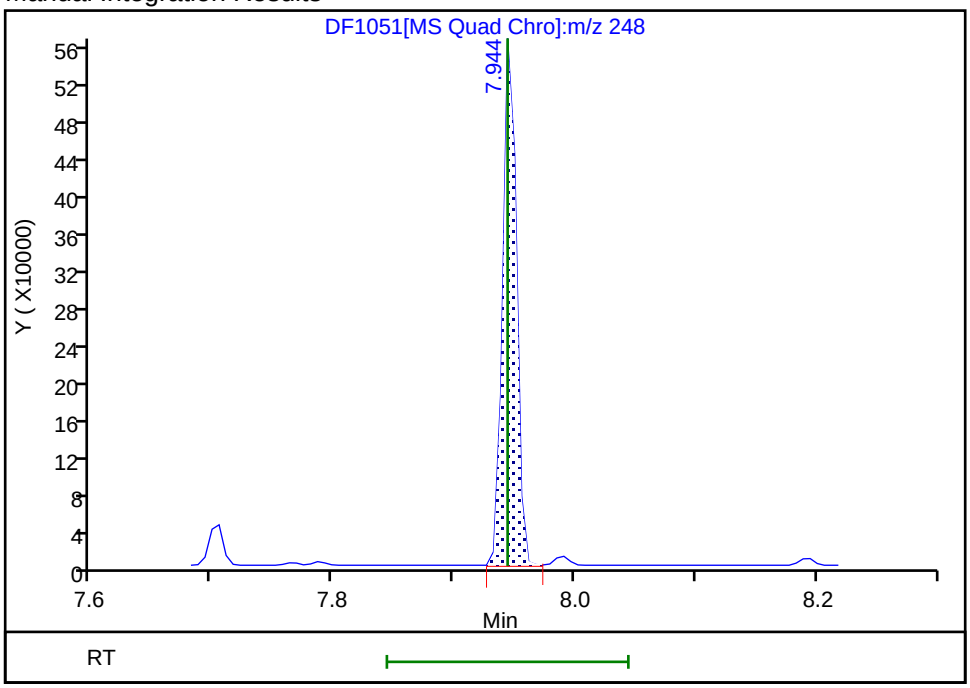
Not Detected
Expected RT: 7.94

Processing Integration Results



Manual Integration Results

RT: 7.94
Area: 446018
Amount: 13.920264
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:32 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

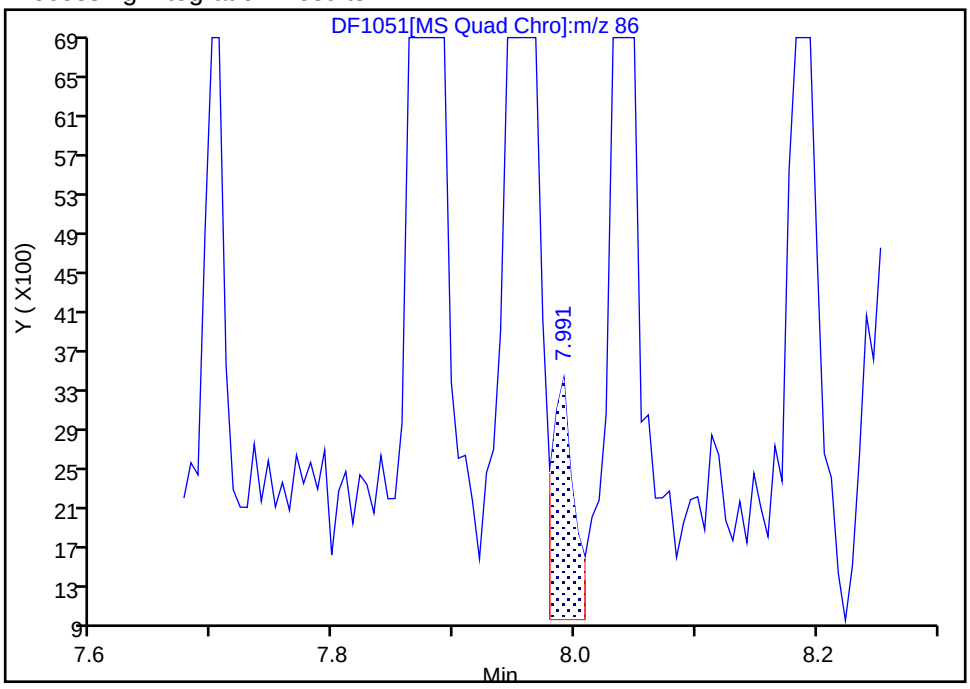
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

117 trans-Diallate, CAS: 17708-58-6

Signal: 1

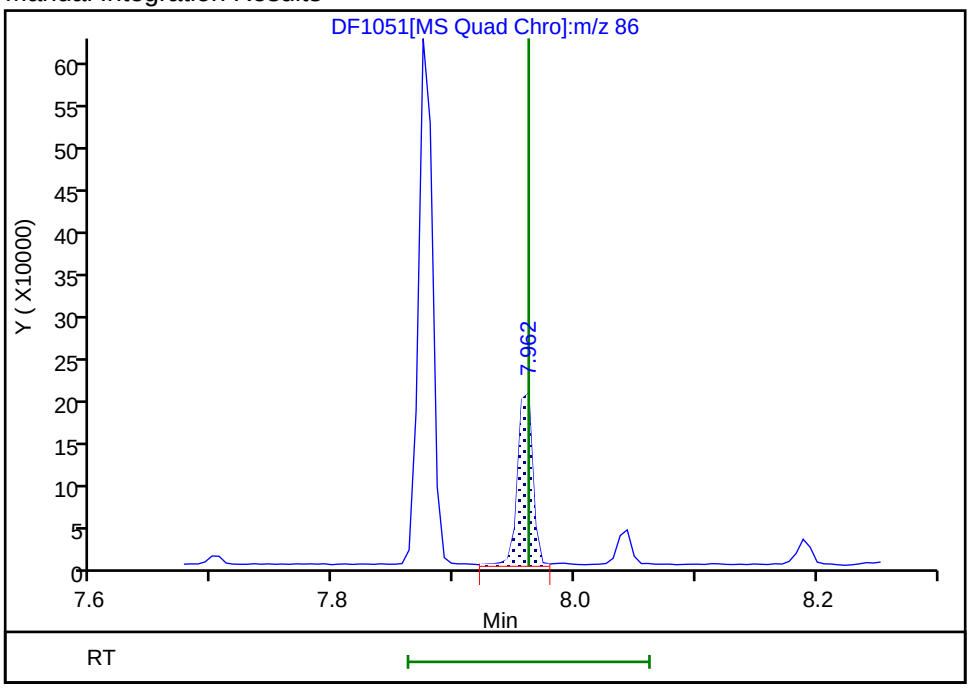
Processing Integration Results

RT: 7.99
Area: 2792
Amount: 0.049494
Amount Units: ug/ml



Manual Integration Results

RT: 7.96
Area: 176589
Amount: 3.130378
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:34 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

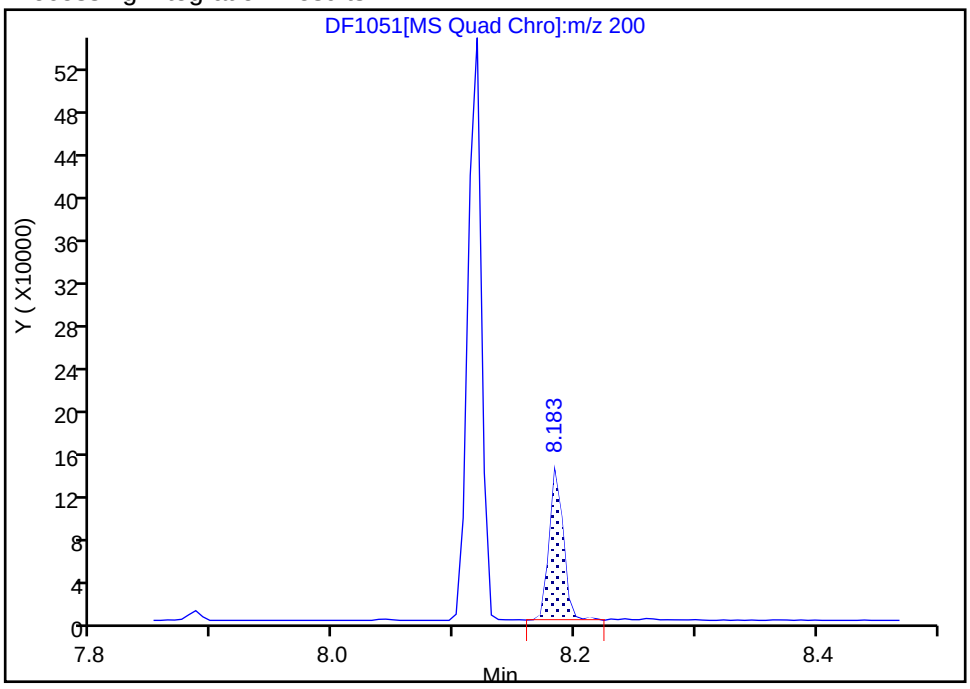
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

120 Atrazine, CAS: 1912-24-9

Signal: 1

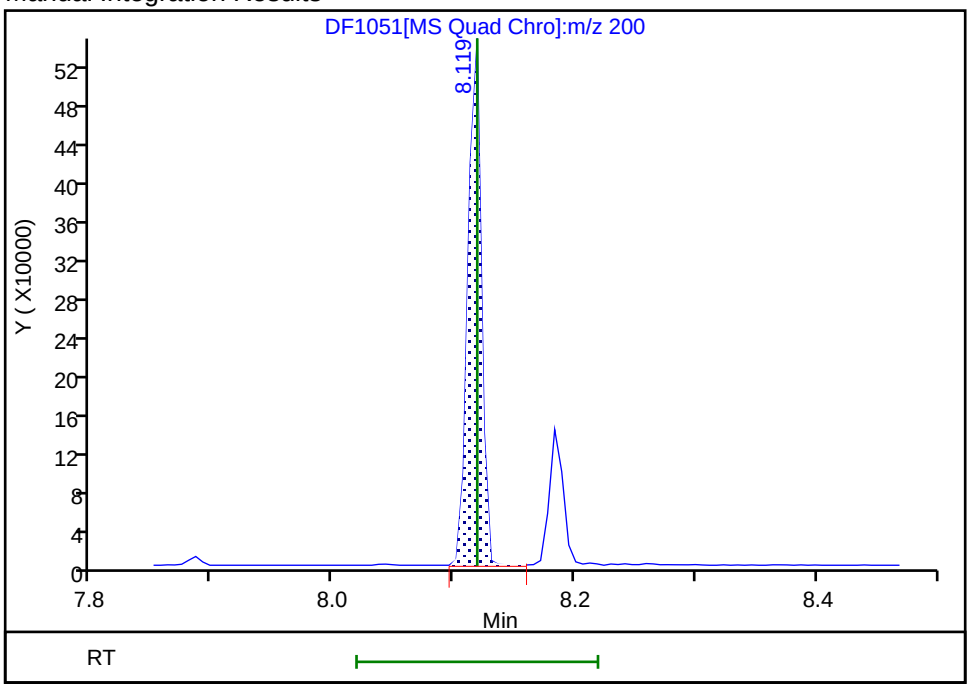
Processing Integration Results

RT: 8.18
Area: 114282
Amount: 3.899865
Amount Units: ug/ml



Manual Integration Results

RT: 8.12
Area: 423146
Amount: 14.439825
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:38 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

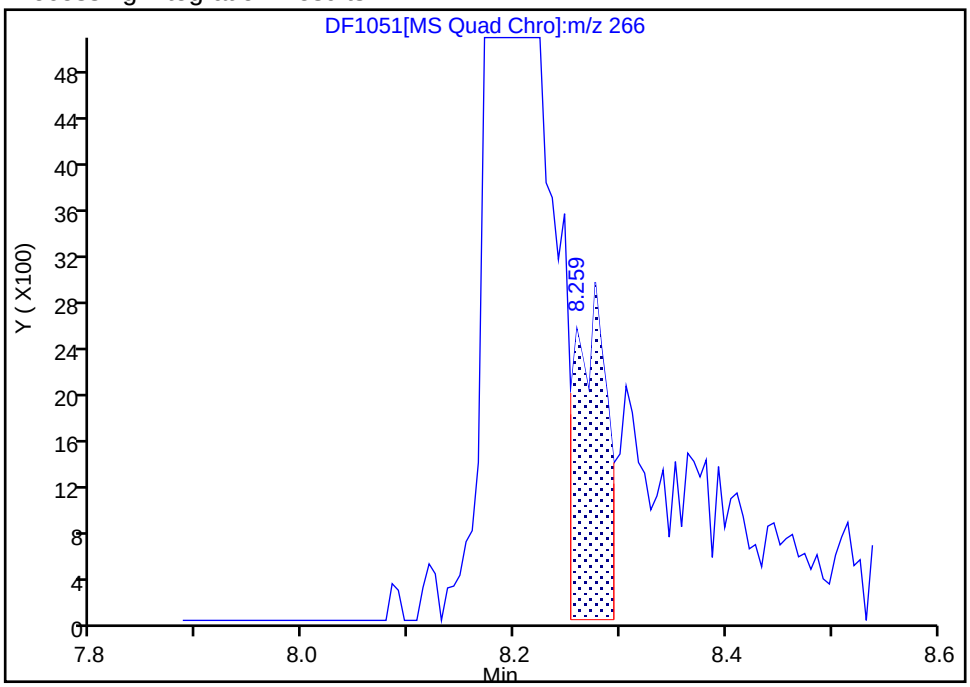
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

121 Pentachlorophenol, CAS: 87-86-5

Signal: 1

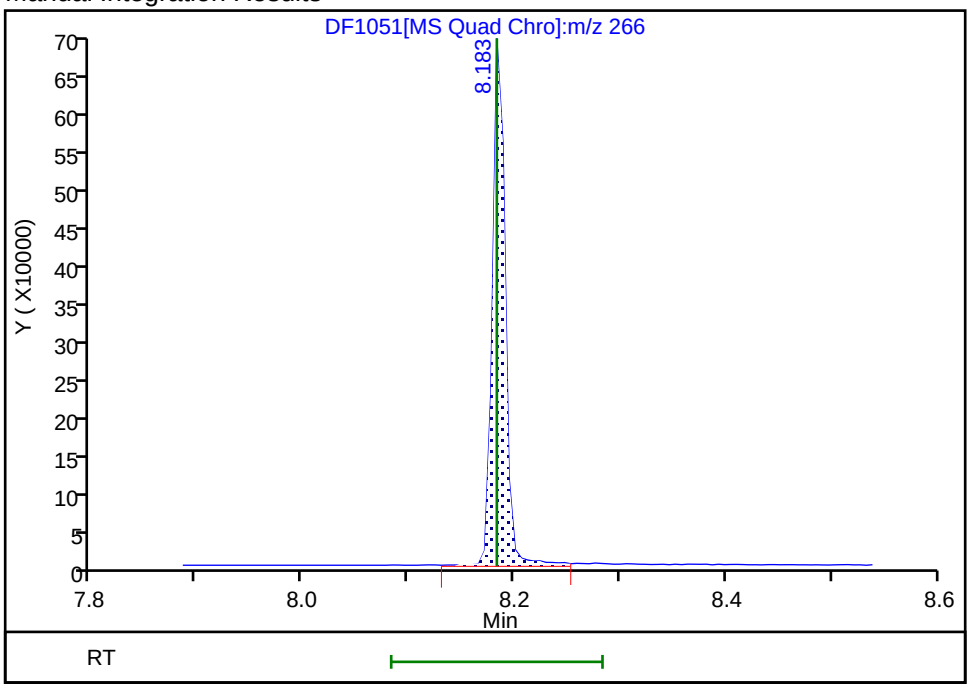
Processing Integration Results

RT: 8.26
Area: 5462
Amount: 0.828191
Amount Units: ug/ml



Manual Integration Results

RT: 8.18
Area: 583814
Amount: 26.092576
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:44 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

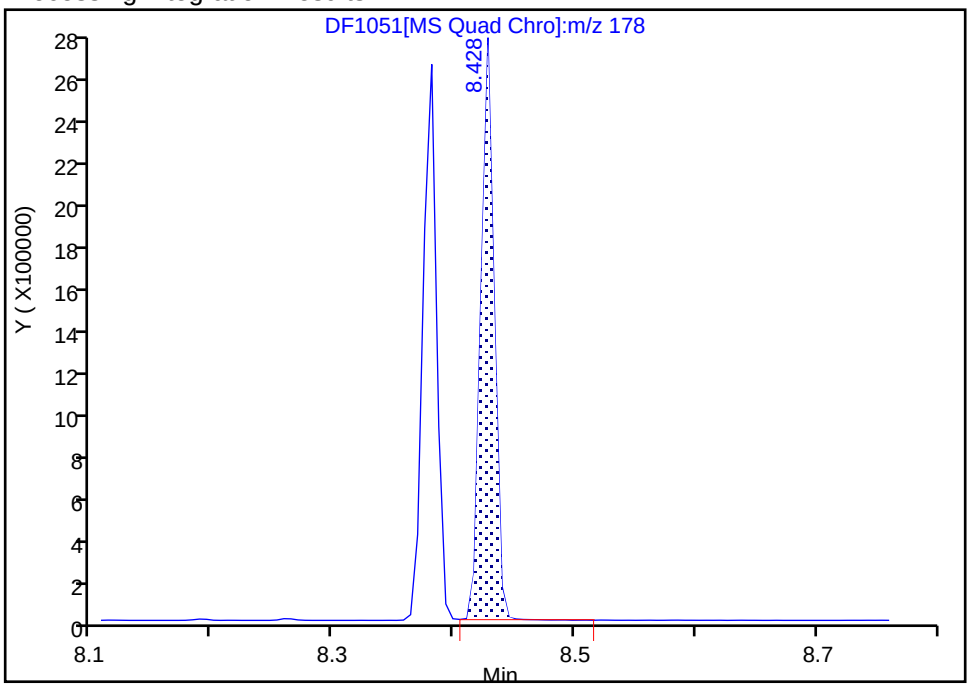
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

128 Phenanthrene, CAS: 85-01-8

Signal: 1

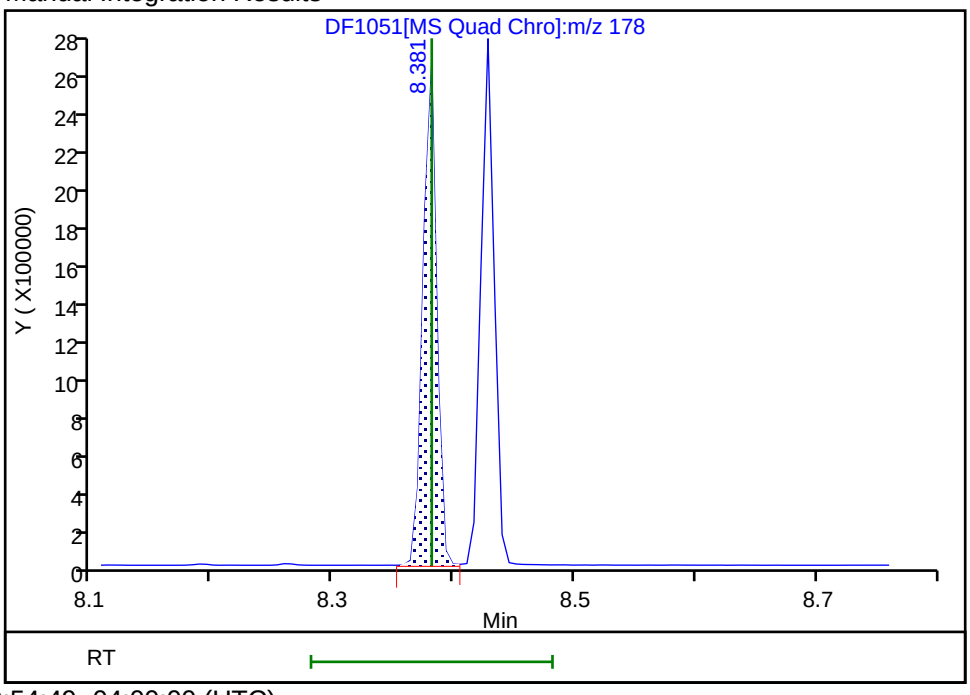
Processing Integration Results

RT: 8.43
Area: 2105942
Amount: 12.765729
Amount Units: ug/ml



Manual Integration Results

RT: 8.38
Area: 2041040
Amount: 12.372308
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:49 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

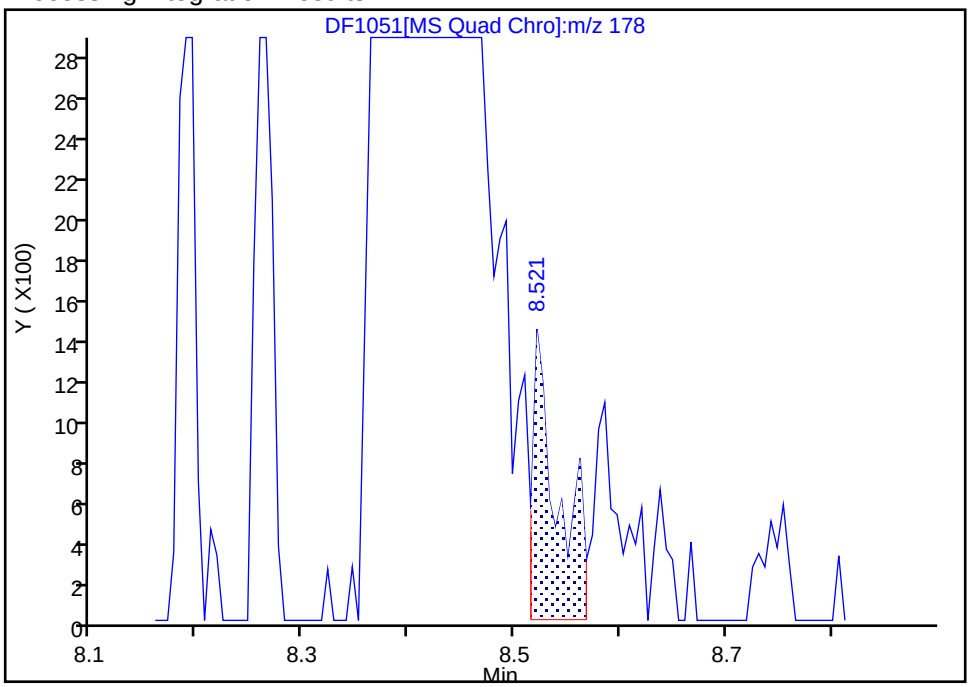
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

129 Anthracene, CAS: 120-12-7

Signal: 1

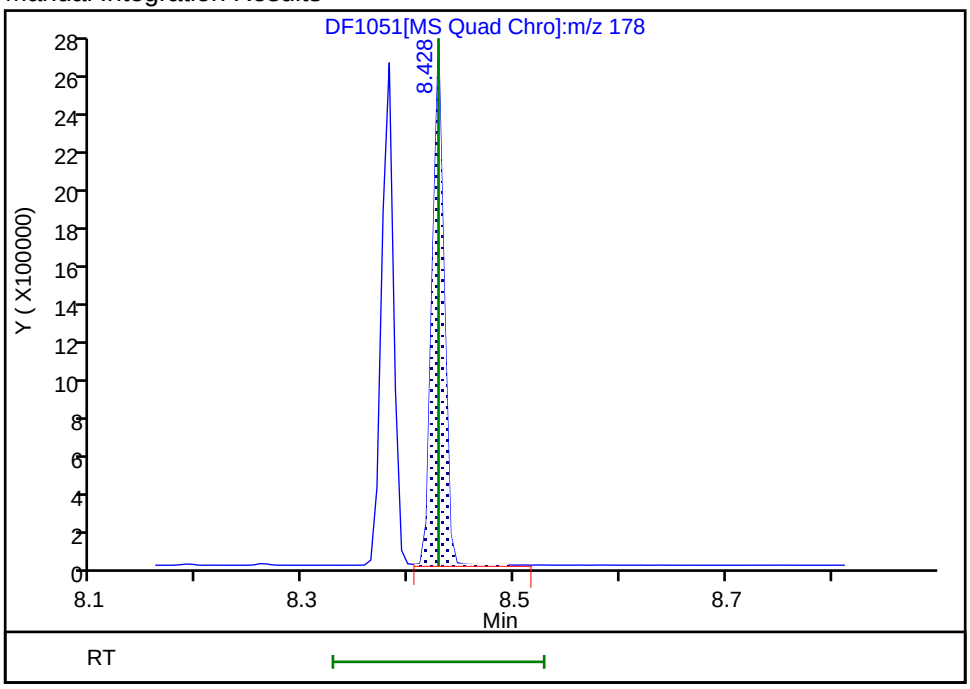
Processing Integration Results

RT: 8.52
Area: 2205
Amount: 0.013659
Amount Units: ug/ml



Manual Integration Results

RT: 8.43
Area: 2105942
Amount: 13.045396
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:51 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

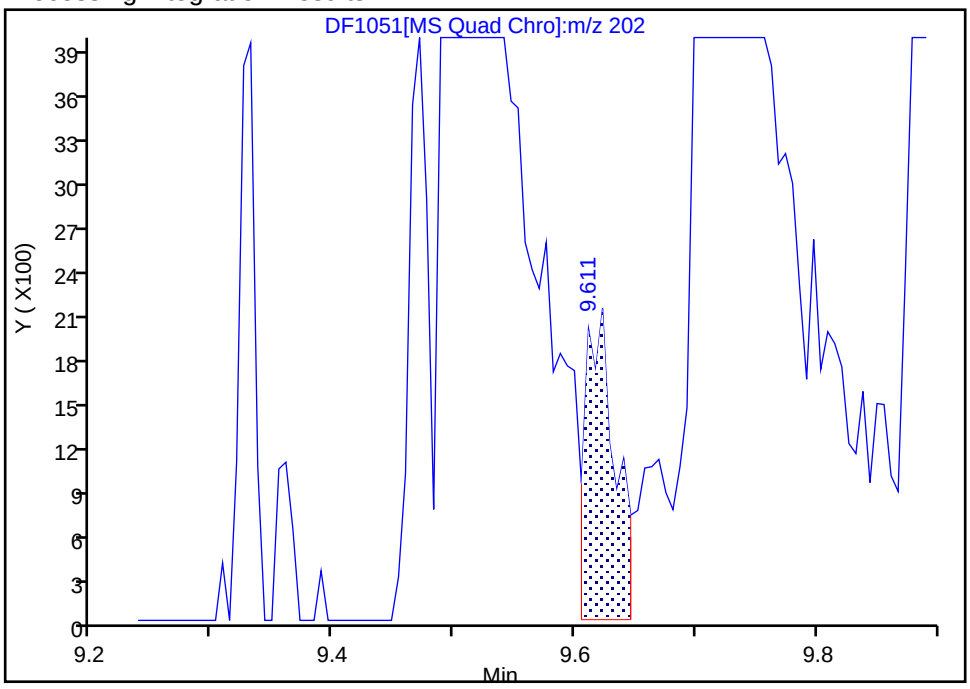
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1051.D				
Injection Date:	10-Jun-2025 19:35:28	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

143 Fluoranthene, CAS: 206-44-0

Signal: 1

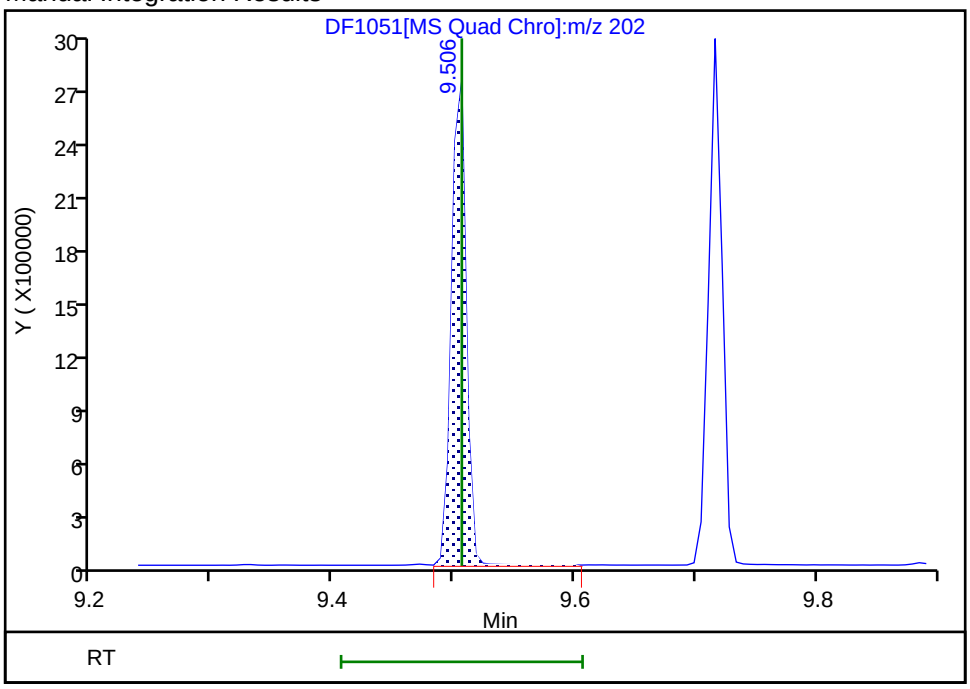
Processing Integration Results

RT: 9.61
Area: 3385
Amount: 0.019599
Amount Units: ug/ml



Manual Integration Results

RT: 9.51
Area: 2310834
Amount: 13.379756
Amount Units: ug/ml



Reviewer: N5QU, 10-Jun-2025 19:54:59 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 03/11/2025 21:15

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/11/2025 23:27

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Ave	0.3569				12.5		
Indene	Ave	2.650				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 08-May-2025 03:22:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0146504-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:33:32 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:53:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.696	1.695	0.001	92	254807	12.5	11.0	
2 N-Nitrosodimethylamine	74	1.923	1.929	-0.006	91	446744	12.5	11.7	
3 Pyridine	79	1.964	1.970	-0.006	96	1415793	25.0	22.7	
4 Dimethylformamide	73	2.268	2.291	-0.023	94	494036	12.5	11.7	
5 2-Picoline	93	2.560	2.565	-0.005	89	693658	12.5	12.2	
6 N-Nitrosomethylethylamine	88	2.642	2.641	0.001	94	314101	12.5	12.3	
7 Methyl methanesulfonate	80	2.916	2.916	0.000	89	574814	12.5	14.3	
11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	93	312873	12.5	13.7	
12 Ethyl methanesulfonate	109	3.582	3.587	-0.005	94	306447	12.5	12.5	
13 Benzaldehyde	77	3.909	3.914	-0.005	88	668917	12.5	12.3	
16 Phenol	94	3.984	3.990	-0.006	90	922325	12.5	12.6	
17 Aniline	93	4.014	4.014	0.000	94	1009401	12.5	12.5	
18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	91	585919	12.5	11.0	
19 2-Chlorophenol	128	4.125	4.124	0.001	89	519425	12.5	12.3	
21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	90	588427	12.5	12.4	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	93	156224	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.347	4.346	0.000	87	579161	12.5	11.6	
26 Benzyl alcohol	108	4.463	4.463	0.000	85	412407	12.5	12.1	
27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	89	560214	12.5	12.2	
29 2-Methylphenol	108	4.574	4.574	0.000	95	584714	12.5	12.6	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	83	635858	12.5	10.5	
28 Indene	115		4.617				ND	ND	
31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	89	370466	12.5	13.3	
32 Acetophenone	105	4.720	4.720	0.000	82	1043214	12.5	12.8	
33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	67	616009	12.5	12.4	
34 4-Methylphenol	108	4.726	4.726	0.000	88	695133	12.5	13.3	
35 N-Nitrosomorpholine	56	4.738	4.738	0.000	83	492054	12.5	13.2	
36 2-Toluidine	106	4.749	4.755	-0.006	94	1042850	12.5	13.3	
37 Hexachloroethane	117	4.814	4.814	0.000	91	277082	12.5	11.2	
40 Nitrobenzene	77	4.884	4.884	0.000	87	904234	12.5	11.7	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	5.030	5.030	0.000	79	296212	12.5	11.8	
	42 Isophorone	82	5.111	5.111	0.000	95	1471796	12.5	10.9	
	43 2-Nitrophenol	139	5.187	5.187	0.000	79	290842	12.5	11.2	
	44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	724139	12.5	12.0	
	46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	274892	12.5	12.4	
	47 Bis(2-chloroethoxy)methane	93	5.327	5.327	0.000	95	813459	12.5	11.7	
	48 Benzoic acid	105		5.359				12.5	ND	7
	49 2,4-Dichlorophenol	162	5.421	5.421	0.000	94	472177	12.5	12.4	
	50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	90	529145	12.5	12.1	
*	52 Naphthalene-d8	136	5.549	5.549	0.000	99	632334	5.00	5.00	
	53 Naphthalene	128	5.573	5.573	0.000	99	1572383	12.5	11.7	
	56 4-Chloroaniline	127	5.631	5.631	0.000	91	694100	12.5	12.2	
	57 2,6-Dichlorophenol	162	5.637	5.637	0.000	89	464676	12.5	11.9	
	58 Hexachloropropene	213	5.654	5.654	0.000	96	454401	12.5	12.6	
	59 Hexachlorobutadiene	225	5.689	5.695	-0.006	94	347361	12.5	12.1	
	61 Quinoline	129	5.894	5.894	0.000	92	1098590	12.5	12.9	
	63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	89	709172	12.5	11.5	
	62 Caprolactam	113	5.964	5.958	0.006	73	171845	12.5	12.2	
	64 p-Phenylene diamine	108		5.975				ND	ND	U
	65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	88	618650	12.5	11.5	
	66 Safrole, Total	162	6.157	6.162	-0.005	72	424859	12.5	12.1	
	67 2-Methylnaphthalene	142	6.238	6.238	0.000	88	1038356	12.5	13.2	
	69 1-Methylnaphthalene	142	6.332	6.332	0.000	89	954390	12.5	11.8	
	71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	96	441379	12.5	11.7	
	70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	97	558567	12.5	12.8	
	72 Isosafrole Peak 1	162	6.437	6.443	-0.006	70	57582	1.50	1.66	
	79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	347042	12.5	13.0	
	80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	88	406599	12.5	13.2	
	82 Isosafrole Peak 2	162	6.653	6.653	0.000	78	482321	11.0	12.2	
	83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	1337388	12.5	12.1	
	84 2-Chloronaphthalene	162	6.700	6.700	0.000	96	1077506	12.5	13.7	
	85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	1068113	12.5	14.3	
	86 Phenyl ether	170	6.787	6.787	0.000	83	683319	12.5	12.1	
	87 2-Nitroaniline	138	6.805	6.805	0.000	73	375955	12.5	13.2	
	88 1,4-Naphthoquinone	158	6.875	6.875	0.000	69	495646	12.5	14.7	
	89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	174843	12.5	14.5	
	90 Dimethyl phthalate	163	6.986	6.986	0.000	94	1317887	12.5	12.9	
	91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	75	188166	12.5	13.0	
	92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	77	294092	12.5	14.2	
	93 Acenaphthylene	152	7.097	7.097	0.000	99	1696662	12.5	13.5	
	95 3-Nitroaniline	138	7.196	7.196	0.000	81	333036	12.5	14.1	
*	96 Acenaphthene-d10	164	7.231	7.225	0.006	94	344580	5.00	5.00	
	97 Acenaphthene	153	7.260	7.260	0.000	97	1094191	12.5	12.3	
	98 2,4-Dinitrophenol	184	7.301	7.295	0.006	75	388713	25.0	27.8	
	100 4-Nitrophenol	109	7.377	7.371	0.006	80	729313	25.0	29.7	
	99 Pentachlorobenzene	250	7.383	7.383	0.000	95	528274	12.5	13.5	
	102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	76	404321	12.5	13.6	
	101 Dibenzofuran	168	7.424	7.424	0.000	93	1527130	12.5	13.2	
	104 1-Naphthylamine	143	7.505	7.505	0.000	94	1053753	12.5	13.3	
	105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	360517	12.5	13.0	
	106 2-Naphthylamine	143	7.581	7.581	0.000	93	1196212	12.5	14.3	
	107 Diethyl phthalate	149	7.663	7.657	0.006	95	1389548	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.733	7.733	0.000	74	259354	12.5	13.8	
108 Fluorene	166	7.751	7.751	0.000	94	1217628	12.5	12.7	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.000	92	583200	12.5	12.9	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	82	357331	12.5	13.4	
112 4-Nitroaniline	138	7.780	7.774	0.006	71	337755	12.5	14.0	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.803	0.006	65	495452	25.0	25.3	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	65	864142	10.6	10.6	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	99	1960932	12.5	12.3	
117 Sulfotepp	97	8.031	8.031	0.000	77	374713	12.5	13.0	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	132023	12.5	14.8	
120 cis-Diallate	86	8.148	8.148	0.000	85	527224	9.38	9.94	
119 Phorate	75	8.159	8.159	0.000	92	1134193	12.5	10.5	
121 Phenacetin	108	8.177	8.171	0.006	87	954935	12.5	13.6	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	72	391820	12.5	13.5	
123 trans-Diallate	86	8.235	8.235	0.000	89	181920	3.13	3.08	
124 Hexachlorobenzene	284	8.270	8.270	0.000	92	455334	12.5	12.2	
125 Dimethoate	87	8.323	8.317	0.006	92	702919	12.5	12.8	
126 Atrazine	200	8.393	8.387	0.006	87	378917	12.5	12.0	
127 Pentachlorophenol	266	8.463	8.463	0.000	89	613246	25.0	25.0	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	92	1457025	12.5	12.7	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	71	270651	12.5	13.7	
130 Pronamide	173	8.533	8.533	0.000	89	658468	12.5	12.9	
* 131 Phenanthrene-d10	188	8.644	8.638	0.006	97	692881	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	89	351844	12.5	14.2	
134 Disulfoton	88	8.656	8.656	0.000	96	1073891	12.5	12.6	
132 Phenanthrene	178	8.662	8.661	0.001	99	1903229	12.5	12.4	
135 Anthracene	178	8.714	8.714	0.000	98	1965401	12.5	12.7	
136 Carbazole	167	8.872	8.872	0.000	97	1776606	12.5	13.0	
137 Methyl parathion	109	9.012	9.012	0.000	88	651184	12.5	14.7	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	2446459	12.5	13.1	
139 Ethyl Parathion	109	9.386	9.385	0.001	80	399526	12.5	14.1	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	84	207779	12.5	14.8	
142 Octachlorostyrene	308	9.613	9.613	0.000	90	213379	12.5	12.0	
143 Isodrin	193	9.648	9.648	0.000	88	252108	12.5	13.1	
S 68 Diallate	86				0		12.5	13.0	
144 Fluoranthene	202	9.794	9.794	0.000	98	2209284	12.5	13.2	
145 Benzidine	184	9.940	9.940	0.000	99	1951532	12.5	16.5	
* 146 Pyrene-d10 (IS)	212	9.993	9.987	0.006	98	735873	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	2299052	12.5	12.3	
200 Aramite Peak 1	185	10.244	10.229	0.015	0	165277	1.25	23.5	
192 Aramite Peak 2	185	10.244	10.246	-0.002	0	165277	1.25	28.5	
185 Aramite Peak 3	185	10.244	10.293	-0.049	0	165277	5.00	10.2	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	387537	12.5	14.3	
150 Chlorobenzilate	139	10.361	10.361	0.000	80	888905	12.5	14.0	
180 Aramite Peak 4	185	10.244	10.369	-0.125	0	165277	5.00	9.24	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	1195664	12.5	13.6	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	1121712	12.5	12.8	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	90	903618	12.5	14.0	
S 94 Isosafrole	162				0		12.5	13.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	76	1227056	12.5	17.6	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.271	0.001	68	455311	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.272	11.271	0.001	98	2144307	12.5	12.9	
159 Chrysene	228	11.312	11.312	0.000	97	1976065	12.5	12.7	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	1587566	12.5	13.0	
S 103 Aramite, Total	185				0		12.5	71.4	
161 6-Methylchrysene	242	11.879	11.873	0.006	97	1437801	12.5	13.5	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	2821086	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	96	2252469	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	72	933292	12.5	13.9	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	99	2174197	12.5	12.2	
166 Benzo[a]pyrene	252	13.111	13.105	0.006	78	2137463	12.5	11.7	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	757750	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	91	1036043	12.5	12.7	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	1941595	12.5	15.1	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	1865508	12.5	12.6	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	2010726	12.5	11.7	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	92	2070961	12.5	12.6	
173 Benzo[g,h,i]perylene	276	15.067	15.061	0.006	98	2182310	12.5	13.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

Report Date: 08-May-2025 09:48:46 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D

Injection Date: 08-May-2025 03:22:30 Instrument ID: HP23264 Operator ID: IR93211

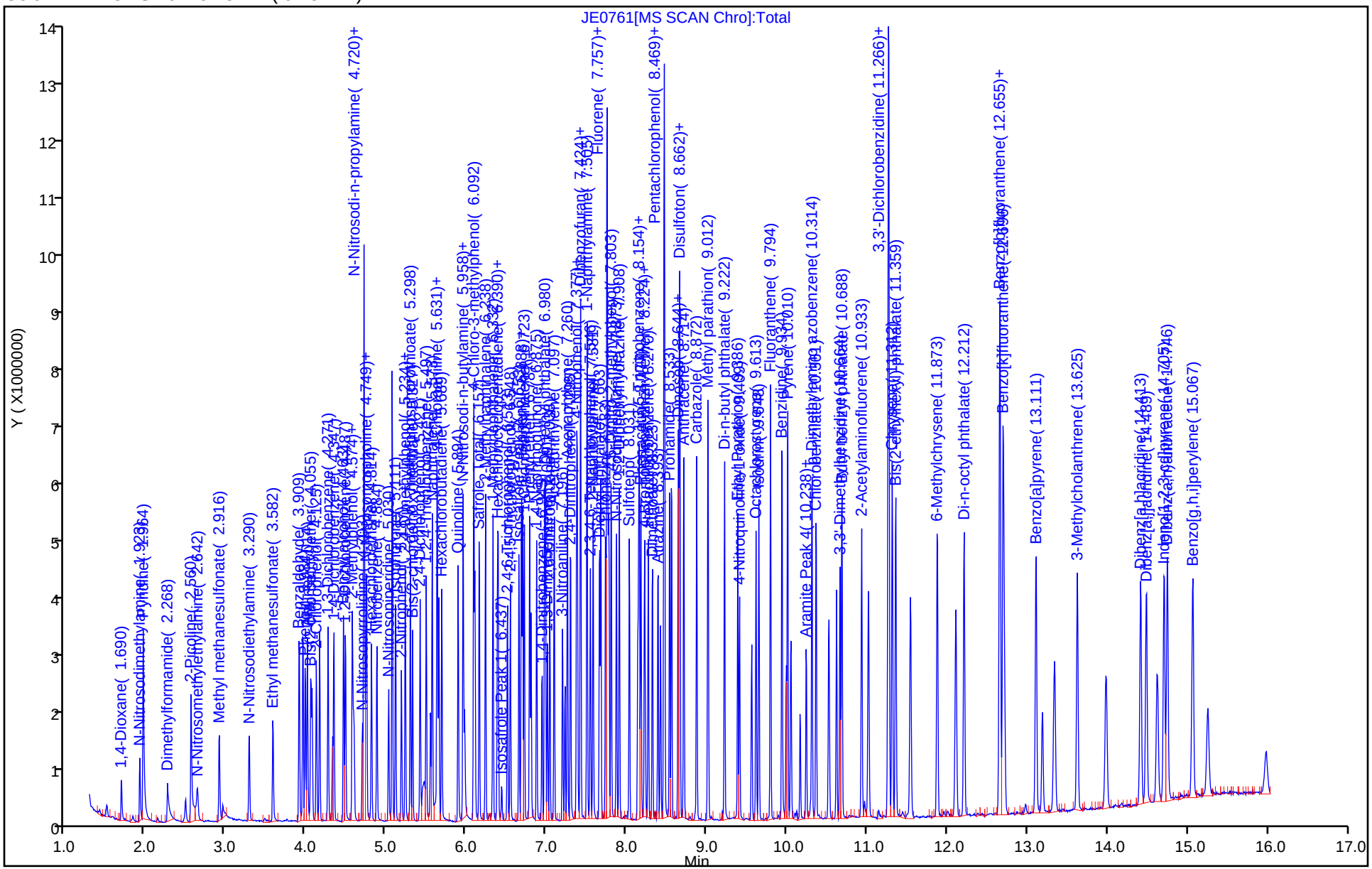
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 03/13/2025 09:15

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/13/2025 09:15

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 1	Ave	0.0478	0.8984		23.5	1.25	1779.9*	30.0
Aramite Peak 2	Ave	0.0394	0.8984		28.5	1.25	2177.6*	30.0
Aramite Peak 3	Ave	0.1103	0.2246		10.2	5.00	103.5*	30.0
Aramite Peak 4	Ave	0.1215	0.2246		9.24	5.00	84.9*	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 08-May-2025 03:22:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0146504-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:33:32 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:53:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.696	1.695	0.001	92	254807	12.5	11.0	
2 N-Nitrosodimethylamine	74	1.923	1.929	-0.006	91	446744	12.5	11.7	
3 Pyridine	79	1.964	1.970	-0.006	96	1415793	25.0	22.7	
4 Dimethylformamide	73	2.268	2.291	-0.023	94	494036	12.5	11.7	
5 2-Picoline	93	2.560	2.565	-0.005	89	693658	12.5	12.2	
6 N-Nitrosomethylethylamine	88	2.642	2.641	0.001	94	314101	12.5	12.3	
7 Methyl methanesulfonate	80	2.916	2.916	0.000	89	574814	12.5	14.3	
11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	93	312873	12.5	13.7	
12 Ethyl methanesulfonate	109	3.582	3.587	-0.005	94	306447	12.5	12.5	
13 Benzaldehyde	77	3.909	3.914	-0.005	88	668917	12.5	12.3	
16 Phenol	94	3.984	3.990	-0.006	90	922325	12.5	12.6	
17 Aniline	93	4.014	4.014	0.000	94	1009401	12.5	12.5	
18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	91	585919	12.5	11.0	
19 2-Chlorophenol	128	4.125	4.124	0.001	89	519425	12.5	12.3	
21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	90	588427	12.5	12.4	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	93	156224	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.347	4.346	0.000	87	579161	12.5	11.6	
26 Benzyl alcohol	108	4.463	4.463	0.000	85	412407	12.5	12.1	
27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	89	560214	12.5	12.2	
29 2-Methylphenol	108	4.574	4.574	0.000	95	584714	12.5	12.6	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	83	635858	12.5	10.5	
28 Indene	115		4.617				ND	ND	
31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	89	370466	12.5	13.3	
32 Acetophenone	105	4.720	4.720	0.000	82	1043214	12.5	12.8	
33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	67	616009	12.5	12.4	
34 4-Methylphenol	108	4.726	4.726	0.000	88	695133	12.5	13.3	
35 N-Nitrosomorpholine	56	4.738	4.738	0.000	83	492054	12.5	13.2	
36 2-Toluidine	106	4.749	4.755	-0.006	94	1042850	12.5	13.3	
37 Hexachloroethane	117	4.814	4.814	0.000	91	277082	12.5	11.2	
40 Nitrobenzene	77	4.884	4.884	0.000	87	904234	12.5	11.7	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	5.030	5.030	0.000	79	296212	12.5	11.8	
	42 Isophorone	82	5.111	5.111	0.000	95	1471796	12.5	10.9	
	43 2-Nitrophenol	139	5.187	5.187	0.000	79	290842	12.5	11.2	
	44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	724139	12.5	12.0	
	46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	274892	12.5	12.4	
	47 Bis(2-chloroethoxy)methane	93	5.327	5.327	0.000	95	813459	12.5	11.7	
	48 Benzoic acid	105		5.359				12.5	ND	7
	49 2,4-Dichlorophenol	162	5.421	5.421	0.000	94	472177	12.5	12.4	
	50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	90	529145	12.5	12.1	
*	52 Naphthalene-d8	136	5.549	5.549	0.000	99	632334	5.00	5.00	
	53 Naphthalene	128	5.573	5.573	0.000	99	1572383	12.5	11.7	
	56 4-Chloroaniline	127	5.631	5.631	0.000	91	694100	12.5	12.2	
	57 2,6-Dichlorophenol	162	5.637	5.637	0.000	89	464676	12.5	11.9	
	58 Hexachloropropene	213	5.654	5.654	0.000	96	454401	12.5	12.6	
	59 Hexachlorobutadiene	225	5.689	5.695	-0.006	94	347361	12.5	12.1	
	61 Quinoline	129	5.894	5.894	0.000	92	1098590	12.5	12.9	
	63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	89	709172	12.5	11.5	
	62 Caprolactam	113	5.964	5.958	0.006	73	171845	12.5	12.2	
	64 p-Phenylene diamine	108		5.975				ND	ND	U
	65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	88	618650	12.5	11.5	
	66 Safrole, Total	162	6.157	6.162	-0.005	72	424859	12.5	12.1	
	67 2-Methylnaphthalene	142	6.238	6.238	0.000	88	1038356	12.5	13.2	
	69 1-Methylnaphthalene	142	6.332	6.332	0.000	89	954390	12.5	11.8	
	71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	96	441379	12.5	11.7	
	70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	97	558567	12.5	12.8	
	72 Isosafrole Peak 1	162	6.437	6.443	-0.006	70	57582	1.50	1.66	
	79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	347042	12.5	13.0	
	80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	88	406599	12.5	13.2	
	82 Isosafrole Peak 2	162	6.653	6.653	0.000	78	482321	11.0	12.2	
	83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	1337388	12.5	12.1	
	84 2-Chloronaphthalene	162	6.700	6.700	0.000	96	1077506	12.5	13.7	
	85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	1068113	12.5	14.3	
	86 Phenyl ether	170	6.787	6.787	0.000	83	683319	12.5	12.1	
	87 2-Nitroaniline	138	6.805	6.805	0.000	73	375955	12.5	13.2	
	88 1,4-Naphthoquinone	158	6.875	6.875	0.000	69	495646	12.5	14.7	
	89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	174843	12.5	14.5	
	90 Dimethyl phthalate	163	6.986	6.986	0.000	94	1317887	12.5	12.9	
	91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	75	188166	12.5	13.0	
	92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	77	294092	12.5	14.2	
	93 Acenaphthylene	152	7.097	7.097	0.000	99	1696662	12.5	13.5	
	95 3-Nitroaniline	138	7.196	7.196	0.000	81	333036	12.5	14.1	
*	96 Acenaphthene-d10	164	7.231	7.225	0.006	94	344580	5.00	5.00	
	97 Acenaphthene	153	7.260	7.260	0.000	97	1094191	12.5	12.3	
	98 2,4-Dinitrophenol	184	7.301	7.295	0.006	75	388713	25.0	27.8	
	100 4-Nitrophenol	109	7.377	7.371	0.006	80	729313	25.0	29.7	
	99 Pentachlorobenzene	250	7.383	7.383	0.000	95	528274	12.5	13.5	
	102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	76	404321	12.5	13.6	
	101 Dibenzofuran	168	7.424	7.424	0.000	93	1527130	12.5	13.2	
	104 1-Naphthylamine	143	7.505	7.505	0.000	94	1053753	12.5	13.3	
	105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	360517	12.5	13.0	
	106 2-Naphthylamine	143	7.581	7.581	0.000	93	1196212	12.5	14.3	
	107 Diethyl phthalate	149	7.663	7.657	0.006	95	1389548	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.733	7.733	0.000	74	259354	12.5	13.8	
108 Fluorene	166	7.751	7.751	0.000	94	1217628	12.5	12.7	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.000	92	583200	12.5	12.9	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	82	357331	12.5	13.4	
112 4-Nitroaniline	138	7.780	7.774	0.006	71	337755	12.5	14.0	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.803	0.006	65	495452	25.0	25.3	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	65	864142	10.6	10.6	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	99	1960932	12.5	12.3	
117 Sulfotepp	97	8.031	8.031	0.000	77	374713	12.5	13.0	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	132023	12.5	14.8	
120 cis-Diallate	86	8.148	8.148	0.000	85	527224	9.38	9.94	
119 Phorate	75	8.159	8.159	0.000	92	1134193	12.5	10.5	
121 Phenacetin	108	8.177	8.171	0.006	87	954935	12.5	13.6	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	72	391820	12.5	13.5	
123 trans-Diallate	86	8.235	8.235	0.000	89	181920	3.13	3.08	
124 Hexachlorobenzene	284	8.270	8.270	0.000	92	455334	12.5	12.2	
125 Dimethoate	87	8.323	8.317	0.006	92	702919	12.5	12.8	
126 Atrazine	200	8.393	8.387	0.006	87	378917	12.5	12.0	
127 Pentachlorophenol	266	8.463	8.463	0.000	89	613246	25.0	25.0	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	92	1457025	12.5	12.7	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	71	270651	12.5	13.7	
130 Pronamide	173	8.533	8.533	0.000	89	658468	12.5	12.9	
* 131 Phenanthrene-d10	188	8.644	8.638	0.006	97	692881	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	89	351844	12.5	14.2	
134 Disulfoton	88	8.656	8.656	0.000	96	1073891	12.5	12.6	
132 Phenanthrene	178	8.662	8.661	0.001	99	1903229	12.5	12.4	
135 Anthracene	178	8.714	8.714	0.000	98	1965401	12.5	12.7	
136 Carbazole	167	8.872	8.872	0.000	97	1776606	12.5	13.0	
137 Methyl parathion	109	9.012	9.012	0.000	88	651184	12.5	14.7	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	2446459	12.5	13.1	
139 Ethyl Parathion	109	9.386	9.385	0.001	80	399526	12.5	14.1	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	84	207779	12.5	14.8	
142 Octachlorostyrene	308	9.613	9.613	0.000	90	213379	12.5	12.0	
143 Isodrin	193	9.648	9.648	0.000	88	252108	12.5	13.1	
S 68 Diallate	86				0		12.5	13.0	
144 Fluoranthene	202	9.794	9.794	0.000	98	2209284	12.5	13.2	
145 Benzidine	184	9.940	9.940	0.000	99	1951532	12.5	16.5	
* 146 Pyrene-d10 (IS)	212	9.993	9.987	0.006	98	735873	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	2299052	12.5	12.3	
200 Aramite Peak 1	185	10.244	10.229	0.015	0	165277	1.25	23.5	
192 Aramite Peak 2	185	10.244	10.246	-0.002	0	165277	1.25	28.5	
185 Aramite Peak 3	185	10.244	10.293	-0.049	0	165277	5.00	10.2	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	387537	12.5	14.3	
150 Chlorobenzilate	139	10.361	10.361	0.000	80	888905	12.5	14.0	
180 Aramite Peak 4	185	10.244	10.369	-0.125	0	165277	5.00	9.24	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	1195664	12.5	13.6	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	1121712	12.5	12.8	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	90	903618	12.5	14.0	
S 94 Isosafrole	162				0		12.5	13.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	76	1227056	12.5	17.6	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.271	0.001	68	455311	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.272	11.271	0.001	98	2144307	12.5	12.9	
159 Chrysene	228	11.312	11.312	0.000	97	1976065	12.5	12.7	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	1587566	12.5	13.0	
S 103 Aramite, Total	185				0		12.5	71.4	
161 6-Methylchrysene	242	11.879	11.873	0.006	97	1437801	12.5	13.5	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	2821086	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	96	2252469	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	72	933292	12.5	13.9	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	99	2174197	12.5	12.2	
166 Benzo[a]pyrene	252	13.111	13.105	0.006	78	2137463	12.5	11.7	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	757750	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	91	1036043	12.5	12.7	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	1941595	12.5	15.1	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	1865508	12.5	12.6	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	2010726	12.5	11.7	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	92	2070961	12.5	12.6	
173 Benzo[g,h,i]perylene	276	15.067	15.061	0.006	98	2182310	12.5	13.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

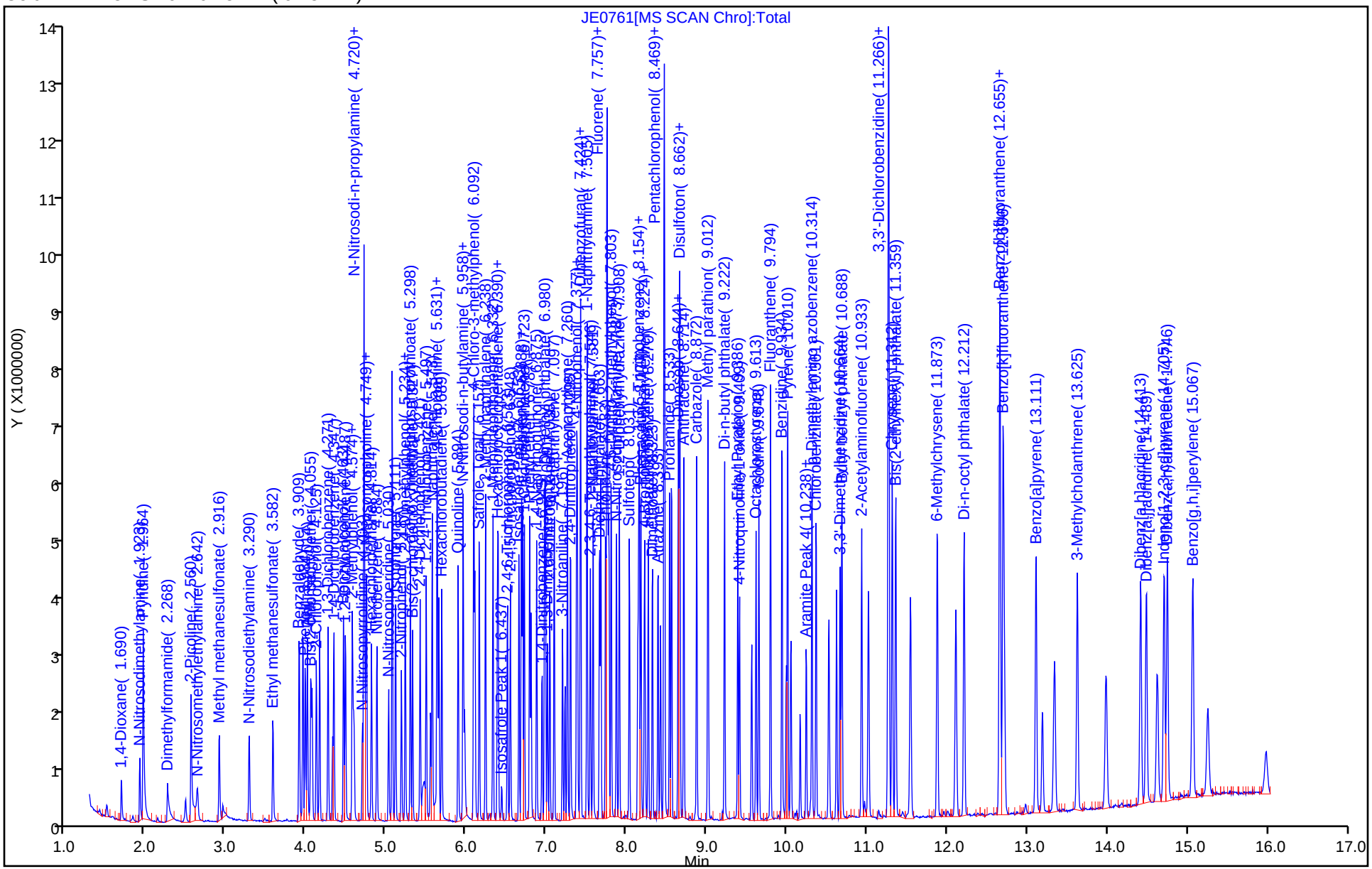
Report Date: 08-May-2025 09:48:46 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D

Injection Date:	08-May-2025 03:22:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7420	0.6524		11.0	12.5	-12.1	30.0
N-Nitrosodimethylamine	Ave	1.219	1.144		11.7	12.5	-6.1	30.0
Pyridine	Ave	1.992	1.813		22.7	25.0	-9.0	30.0
N,N-dimethylformamide	Ave	1.356	1.265		11.7	12.5	-6.7	30.0
2-Picoline	Ave	1.819	1.776		12.2	12.5	-2.3	30.0
N-Nitrosomethylethylamine	Ave	0.8163	0.8042		12.3	12.5	-1.5	30.0
Methyl methanesulfonate	Ave	1.291	1.472		14.3	12.5	14.0	30.0
N-Nitrosodiethylamine	Ave	0.7332	0.8011		13.7	12.5	9.3	30.0
Ethyl methanesulfonate	Ave	0.7822	0.7846		12.5	12.5	0.3	30.0
Benzaldehyde	Ave	1.744	1.713	0.0100	12.3	12.5	-1.8	30.0
Phenol	Ave	2.334	2.362	0.8000	12.6	12.5	1.2	30.0
Aniline	Ave	2.579	2.584		12.5	12.5	0.2	30.0
Bis(2-chloroethyl)ether	Ave	1.702	1.500	0.7000	11.0	12.5	-11.9	30.0
2-Chlorophenol	Ave	1.352	1.330	0.8000	12.3	12.5	-1.6	30.0
1,3-Dichlorobenzene	Ave	1.517	1.507		12.4	12.5	-0.7	30.0
1,4-Dichlorobenzene	Ave	1.602	1.483		11.6	12.5	-7.4	30.0
Benzyl alcohol	Ave	1.092	1.056		12.1	12.5	-3.3	30.0
1,2-Dichlorobenzene	Ave	1.467	1.434		12.2	12.5	-2.2	30.0
2-Methylphenol	Ave	1.487	1.497	0.7000	12.6	12.5	0.7	30.0
bis(1-chloroispropyl)ether	Ave	1.942	1.628	0.0100	10.5	12.5	-16.1	30.0
N-Nitrosopyrrolidine	Ave	0.8930	0.9486		13.3	12.5	6.2	30.0
Acetophenone	Ave	2.610	2.671	0.0100	12.8	12.5	2.3	30.0
N-Nitrosodi-n-propylamine	Ave	1.585	1.577	0.5000	12.4	12.5	-0.5	30.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.674	1.780	0.6000	13.3	12.5	6.3	30.0
N-Nitrosomorpholine	Ave	1.197	1.260		13.2	12.5	5.2	30.0
2-Toluidine	Ave	2.518	2.670		13.3	12.5	6.1	30.0
Hexachloroethane	Ave	0.7888	0.7094	0.3000	11.2	12.5	-10.1	30.0
Nitrobenzene	Ave	0.6122	0.5720	0.2000	11.7	12.5	-6.6	30.0
N-Nitrosopiperidine	Ave	0.1987	0.1874		11.8	12.5	-5.7	30.0
Isophorone	Ave	1.069	0.9310	0.4000	10.9	12.5	-12.9	30.0
2-Nitrophenol	Ave	0.2045	0.1840	0.1000	11.2	12.5	-10.0	30.0
2,4-Dimethylphenol	Ave	0.4757	0.4581	0.2000	12.0	12.5	-3.7	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1757	0.1739		12.4	12.5	-1.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.5484	0.5146	0.3000	11.7	12.5	-6.2	30.0
2,4-Dichlorophenol	Ave	0.3007	0.2987	0.2000	12.4	12.5	-0.7	30.0
1,2,4-Trichlorobenzene	Ave	0.3467	0.3347		12.1	12.5	-3.4	30.0
Naphthalene	Ave	1.067	0.9947	0.7000	11.7	12.5	-6.8	30.0
4-Chloroaniline	Ave	0.4509	0.4391	0.0100	12.2	12.5	-2.6	30.0
2,6-Dichlorophenol	Ave	0.3075	0.2939		11.9	12.5	-4.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.2840	0.2874		12.6	12.5	1.2	30.0
Hexachlorobutadiene	Ave	0.2272	0.2197	0.0100	12.1	12.5	-3.3	30.0
Quinoline	Ave	0.6737	0.6949		12.9	12.5	3.1	30.0
N-Nitrosodi-n-butylamine	Ave	0.4859	0.4486		11.5	12.5	-7.7	30.0
Caprolactam	Ave	0.1114	0.1087	0.0100	12.2	12.5	-2.4	30.0
4-Chloro-3-methylphenol	Ave	0.4245	0.3913	0.2000	11.5	12.5	-7.8	30.0
Safrole, Total	Ave	0.2766	0.2688		12.1	12.5	-2.8	30.0
2-Methylnaphthalene	Ave	0.6217	0.6568	0.4000	13.2	12.5	5.7	30.0
1-Methylnaphthalene	Ave	0.6389	0.6037		11.8	12.5	-5.5	30.0
Hexachlorocyclopentadiene	Ave	0.5467	0.5124	0.0500	11.7	12.5	-6.3	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6345	0.6484	0.0100	12.8	12.5	2.2	30.0
Isosafrole Peak 1	Ave	0.5028	0.5570		1.66	1.50	10.8	30.0
2,4,6-Trichlorophenol	Ave	0.3888	0.4029	0.2000	13.0	12.5	3.6	30.0
2,4,5-Trichlorophenol	Ave	0.4485	0.4720	0.2000	13.2	12.5	5.2	30.0
Isosafrole Peak 2	Ave	0.5720	0.6362		12.2	11.0	11.2	30.0
1,1'-Biphenyl	Ave	1.599	1.552	0.0100	12.1	12.5	-2.9	30.0
2-Chloronaphthalene	Ave	1.145	1.251	0.8000	13.7	12.5	9.2	30.0
1-Chloronaphthalene	Ave	1.082	1.240		14.3	12.5	14.6	30.0
Diphenyl ether	Ave	0.8216	0.7932		12.1	12.5	-3.5	30.0
2-Nitroaniline	Ave	0.4130	0.4364	0.0100	13.2	12.5	5.7	30.0
1,4-Naphthoquinone	Ave	0.4880	0.5754		14.7	12.5	17.9	30.0
1,4-Dinitrobenzene	Ave	0.1745	0.2030		14.5	12.5	16.3	30.0
Dimethyl phthalate	Ave	1.478	1.530	0.0100	12.9	12.5	3.5	30.0
1,3-Dinitrobenzene	Ave	0.2105	0.2184		13.0	12.5	3.8	30.0
2,6-Dinitrotoluene	Ave	0.3007	0.3414	0.2000	14.2	12.5	13.5	30.0
Acenaphthylene	Ave	1.824	1.970	0.9000	13.5	12.5	8.0	30.0
3-Nitroaniline	Ave	0.3426	0.3866	0.0100	14.1	12.5	12.8	30.0
Acenaphthene	Ave	1.286	1.270	0.9000	12.3	12.5	-1.2	30.0
2,4-Dinitrophenol	Ave	0.2033	0.2256	0.0100	27.8	25.0	11.0	30.0
4-Nitrophenol	Ave	0.3560	0.4233	0.0100	29.7	25.0	18.9	30.0
Pentachlorobenzene	Ave	0.5668	0.6132		13.5	12.5	8.2	30.0
2,4-Dinitrotoluene	Ave	0.4298	0.4693	0.2000	13.6	12.5	9.2	30.0
Dibenzofuran	Ave	1.679	1.773	0.8000	13.2	12.5	5.6	30.0
1-Naphthylamine	Ave	1.152	1.223		13.3	12.5	6.1	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.4031	0.4185	0.0100	13.0	12.5	3.8	30.0
2-Naphthylamine	Ave	1.216	1.389		14.3	12.5	14.2	30.0
Diethyl phthalate	Ave	1.530	1.613	0.0100	13.2	12.5	5.5	30.0
Thionazin	Ave	0.2720	0.3011		13.8	12.5	10.7	30.0
Fluorene	Ave	1.390	1.413	0.9000	12.7	12.5	1.7	30.0
4-Chlorophenyl-phenyl ether	Ave	0.6546	0.6770	0.4000	12.9	12.5	3.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
5-Nitro-o-toluidine	Ave	0.3857	0.4148		13.4	12.5	7.6	30.0
4-Nitroaniline	Ave	0.3505	0.3921	0.0100	14.0	12.5	11.9	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1415	0.1430	0.0100	25.3	25.0	1.1	30.0
N-Nitrosodiphenylamine	Ave	0.5862	0.5869	0.0100	10.6	10.6	0.1	30.0
1,2-Diphenylhydrazine	Ave	1.153	1.132		12.3	12.5	-1.8	30.0
Sulfotepp	Ave	0.2080	0.2163		13.0	12.5	4.0	30.0
1,3,5-Trinitrobenzene	Ave	0.0645	0.0762			12.5	18.2	30.0
cis-Diallate	Ave	0.3827	0.4058		9.94	9.38	6.0	30.0
Phorate	Ave	0.7811	0.6548		10.5	12.5	-16.2	30.0
Phenacetin	Ave	0.5081	0.5513		13.6	12.5	8.5	30.0
4-Bromophenyl-phenylether	Ave	0.2100	0.2262	0.1000	13.5	12.5	7.7	30.0
trans-Diallate	Ave	0.4267	0.4201		3.08	3.13	-1.5	30.0
Hexachlorobenzene	Ave	0.2704	0.2629	0.1000	12.2	12.5	-2.8	30.0
Dimethoate	Ave	0.3958	0.4058		12.8	12.5	2.5	30.0
Atrazine	Ave	0.2288	0.2187	0.0100	12.0	12.5	-4.4	30.0
Pentachlorophenol	Ave	0.1771	0.1770	0.0500	25.0	25.0	-0.0	30.0
4-Aminobiphenyl	Ave	0.8269	0.8411		12.7	12.5	1.7	30.0
Pentachloronitrobenzene	Ave	0.1424	0.1562		13.7	12.5	9.8	30.0
Pronamide	Ave	0.3678	0.3801		12.9	12.5	3.3	30.0
Dinoseb	Ave	0.1791	0.2031		14.2	12.5	13.4	30.0
Disulfoton	Ave	0.6143	0.6200		12.6	12.5	0.9	30.0
Phenanthrene	Ave	1.109	1.099	0.7000	12.4	12.5	-0.9	30.0
Anthracene	Ave	1.114	1.135	0.7000	12.7	12.5	1.9	30.0
Carbazole	Ave	0.9870	1.026	0.0100	13.0	12.5	3.9	30.0
Methyl parathion	Ave	0.3187	0.3759		14.7	12.5	18.0	30.0
Di-n-butyl phthalate	Ave	1.344	1.412	0.0100	13.1	12.5	5.1	30.0
Parathion	Ave	0.2047	0.2306		14.1	12.5	12.7	30.0
4-Nitroquinoline-1-oxide	Ave	0.1016	0.1200		14.8	12.5	18.0	30.0
Octachlorostyrene	Ave	0.1278	0.1232		12.0	12.5	-3.6	30.0
Isodrin	Lin2		0.1455		13.1	12.5	5.1	30.0
Fluoranthene	Ave	1.210	1.275	0.6000	13.2	12.5	5.4	30.0
Benzidine	Ave	0.8016	1.061		16.5	12.5	32.3*	30.0
Pyrene	Ave	1.266	1.250	0.6000	12.3	12.5	-1.3	30.0
p-Dimethylamino azobenzene	Ave	0.1840	0.2107		14.3	12.5	14.5	30.0
Chlorobenzilate	Ave	0.4301	0.4832		14.0	12.5	12.3	30.0
3,3'-Dimethylbenzidine	Ave	0.5992	0.6499		13.6	12.5	8.5	30.0
Butylbenzylphthalate	Ave	0.5937	0.6097	0.0100	12.8	12.5	2.7	30.0
2-Acetylaminofluorene	Ave	0.4388	0.4912		14.0	12.5	11.9	30.0
3,3'-Dichlorobenzidine	Ave	0.4733	0.6670	0.0100	17.6	12.5	40.9*	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2316	0.2475		13.4	12.5	6.9	30.0
Benzo[a]anthracene	Ave	1.133	1.166	0.8000	12.9	12.5	2.9	30.0
Chrysene	Ave	1.059	1.074	0.7000	12.7	12.5	1.5	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8292	0.8630	0.0100	13.0	12.5	4.1	30.0
6-Methylchrysene	Ave	0.7234	0.7815		13.5	12.5	8.0	30.0
Di-n-octyl phthalate	Ave	1.408	1.489	0.0100	13.2	12.5	5.8	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4444	0.4927		13.9	12.5	10.9	30.0
Benzo[b]fluoranthene	Ave	1.165	1.189	0.7000	12.8	12.5	2.1	30.0
Benzo[k]fluoranthene	Ave	1.179	1.148	0.7000	12.2	12.5	-2.6	30.0
Benzo[a]pyrene	Ave	1.208	1.128	0.7000	11.7	12.5	-6.6	30.0
3-Methylcholanthrene	Ave	0.5373	0.5469		12.7	12.5	1.8	30.0
Dibenz[a,h]acridine	Ave	0.8496	1.025		15.1	12.5	20.6	30.0
Dibenz[a,j]acridine	Ave	0.9747	0.9848		12.6	12.5	1.0	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.138	1.061	0.5000	11.7	12.5	-6.8	30.0
Dibenz(a,h)anthracene	Ave	1.082	1.093	0.4000	12.6	12.5	1.0	30.0
Benzo[g,h,i]perylene	Ave	1.111	1.152	0.5000	13.0	12.5	3.7	30.0
1,4-phenylenediamine	Lin2					12.5	-100.0*	30.0
Famphur	Ave	0.4310				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 08-May-2025 03:22:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0146504-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:33:32 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:53:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.696	1.695	0.001	92	254807	12.5	11.0	
2 N-Nitrosodimethylamine	74	1.923	1.929	-0.006	91	446744	12.5	11.7	
3 Pyridine	79	1.964	1.970	-0.006	96	1415793	25.0	22.7	
4 Dimethylformamide	73	2.268	2.291	-0.023	94	494036	12.5	11.7	
5 2-Picoline	93	2.560	2.565	-0.005	89	693658	12.5	12.2	
6 N-Nitrosomethylethylamine	88	2.642	2.641	0.001	94	314101	12.5	12.3	
7 Methyl methanesulfonate	80	2.916	2.916	0.000	89	574814	12.5	14.3	
11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	93	312873	12.5	13.7	
12 Ethyl methanesulfonate	109	3.582	3.587	-0.005	94	306447	12.5	12.5	
13 Benzaldehyde	77	3.909	3.914	-0.005	88	668917	12.5	12.3	
16 Phenol	94	3.984	3.990	-0.006	90	922325	12.5	12.6	
17 Aniline	93	4.014	4.014	0.000	94	1009401	12.5	12.5	
18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	91	585919	12.5	11.0	
19 2-Chlorophenol	128	4.125	4.124	0.001	89	519425	12.5	12.3	
21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	90	588427	12.5	12.4	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	93	156224	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.347	4.346	0.000	87	579161	12.5	11.6	
26 Benzyl alcohol	108	4.463	4.463	0.000	85	412407	12.5	12.1	
27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	89	560214	12.5	12.2	
29 2-Methylphenol	108	4.574	4.574	0.000	95	584714	12.5	12.6	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	83	635858	12.5	10.5	
28 Indene	115		4.617				ND	ND	
31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	89	370466	12.5	13.3	
32 Acetophenone	105	4.720	4.720	0.000	82	1043214	12.5	12.8	
33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	67	616009	12.5	12.4	
34 4-Methylphenol	108	4.726	4.726	0.000	88	695133	12.5	13.3	
35 N-Nitrosomorpholine	56	4.738	4.738	0.000	83	492054	12.5	13.2	
36 2-Toluidine	106	4.749	4.755	-0.006	94	1042850	12.5	13.3	
37 Hexachloroethane	117	4.814	4.814	0.000	91	277082	12.5	11.2	
40 Nitrobenzene	77	4.884	4.884	0.000	87	904234	12.5	11.7	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	5.030	5.030	0.000	79	296212	12.5	11.8	
	42 Isophorone	82	5.111	5.111	0.000	95	1471796	12.5	10.9	
	43 2-Nitrophenol	139	5.187	5.187	0.000	79	290842	12.5	11.2	
	44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	724139	12.5	12.0	
	46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	274892	12.5	12.4	
	47 Bis(2-chloroethoxy)methane	93	5.327	5.327	0.000	95	813459	12.5	11.7	
	48 Benzoic acid	105		5.359				12.5	ND	7
	49 2,4-Dichlorophenol	162	5.421	5.421	0.000	94	472177	12.5	12.4	
	50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	90	529145	12.5	12.1	
*	52 Naphthalene-d8	136	5.549	5.549	0.000	99	632334	5.00	5.00	
	53 Naphthalene	128	5.573	5.573	0.000	99	1572383	12.5	11.7	
	56 4-Chloroaniline	127	5.631	5.631	0.000	91	694100	12.5	12.2	
	57 2,6-Dichlorophenol	162	5.637	5.637	0.000	89	464676	12.5	11.9	
	58 Hexachloropropene	213	5.654	5.654	0.000	96	454401	12.5	12.6	
	59 Hexachlorobutadiene	225	5.689	5.695	-0.006	94	347361	12.5	12.1	
	61 Quinoline	129	5.894	5.894	0.000	92	1098590	12.5	12.9	
	63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	89	709172	12.5	11.5	
	62 Caprolactam	113	5.964	5.958	0.006	73	171845	12.5	12.2	
	64 p-Phenylene diamine	108		5.975				ND	ND	U
	65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	88	618650	12.5	11.5	
	66 Safrole, Total	162	6.157	6.162	-0.005	72	424859	12.5	12.1	
	67 2-Methylnaphthalene	142	6.238	6.238	0.000	88	1038356	12.5	13.2	
	69 1-Methylnaphthalene	142	6.332	6.332	0.000	89	954390	12.5	11.8	
	71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	96	441379	12.5	11.7	
	70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	97	558567	12.5	12.8	
	72 Isosafrole Peak 1	162	6.437	6.443	-0.006	70	57582	1.50	1.66	
	79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	347042	12.5	13.0	
	80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	88	406599	12.5	13.2	
	82 Isosafrole Peak 2	162	6.653	6.653	0.000	78	482321	11.0	12.2	
	83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	1337388	12.5	12.1	
	84 2-Chloronaphthalene	162	6.700	6.700	0.000	96	1077506	12.5	13.7	
	85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	1068113	12.5	14.3	
	86 Phenyl ether	170	6.787	6.787	0.000	83	683319	12.5	12.1	
	87 2-Nitroaniline	138	6.805	6.805	0.000	73	375955	12.5	13.2	
	88 1,4-Naphthoquinone	158	6.875	6.875	0.000	69	495646	12.5	14.7	
	89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	174843	12.5	14.5	
	90 Dimethyl phthalate	163	6.986	6.986	0.000	94	1317887	12.5	12.9	
	91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	75	188166	12.5	13.0	
	92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	77	294092	12.5	14.2	
	93 Acenaphthylene	152	7.097	7.097	0.000	99	1696662	12.5	13.5	
	95 3-Nitroaniline	138	7.196	7.196	0.000	81	333036	12.5	14.1	
*	96 Acenaphthene-d10	164	7.231	7.225	0.006	94	344580	5.00	5.00	
	97 Acenaphthene	153	7.260	7.260	0.000	97	1094191	12.5	12.3	
	98 2,4-Dinitrophenol	184	7.301	7.295	0.006	75	388713	25.0	27.8	
	100 4-Nitrophenol	109	7.377	7.371	0.006	80	729313	25.0	29.7	
	99 Pentachlorobenzene	250	7.383	7.383	0.000	95	528274	12.5	13.5	
	102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	76	404321	12.5	13.6	
	101 Dibenzofuran	168	7.424	7.424	0.000	93	1527130	12.5	13.2	
	104 1-Naphthylamine	143	7.505	7.505	0.000	94	1053753	12.5	13.3	
	105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	360517	12.5	13.0	
	106 2-Naphthylamine	143	7.581	7.581	0.000	93	1196212	12.5	14.3	
	107 Diethyl phthalate	149	7.663	7.657	0.006	95	1389548	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.733	7.733	0.000	74	259354	12.5	13.8	
108 Fluorene	166	7.751	7.751	0.000	94	1217628	12.5	12.7	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.000	92	583200	12.5	12.9	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	82	357331	12.5	13.4	
112 4-Nitroaniline	138	7.780	7.774	0.006	71	337755	12.5	14.0	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.803	0.006	65	495452	25.0	25.3	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	65	864142	10.6	10.6	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	99	1960932	12.5	12.3	
117 Sulfotepp	97	8.031	8.031	0.000	77	374713	12.5	13.0	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	132023	12.5	14.8	
120 cis-Diallate	86	8.148	8.148	0.000	85	527224	9.38	9.94	
119 Phorate	75	8.159	8.159	0.000	92	1134193	12.5	10.5	
121 Phenacetin	108	8.177	8.171	0.006	87	954935	12.5	13.6	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	72	391820	12.5	13.5	
123 trans-Diallate	86	8.235	8.235	0.000	89	181920	3.13	3.08	
124 Hexachlorobenzene	284	8.270	8.270	0.000	92	455334	12.5	12.2	
125 Dimethoate	87	8.323	8.317	0.006	92	702919	12.5	12.8	
126 Atrazine	200	8.393	8.387	0.006	87	378917	12.5	12.0	
127 Pentachlorophenol	266	8.463	8.463	0.000	89	613246	25.0	25.0	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	92	1457025	12.5	12.7	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	71	270651	12.5	13.7	
130 Pronamide	173	8.533	8.533	0.000	89	658468	12.5	12.9	
* 131 Phenanthrene-d10	188	8.644	8.638	0.006	97	692881	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	89	351844	12.5	14.2	
134 Disulfoton	88	8.656	8.656	0.000	96	1073891	12.5	12.6	
132 Phenanthrene	178	8.662	8.661	0.001	99	1903229	12.5	12.4	
135 Anthracene	178	8.714	8.714	0.000	98	1965401	12.5	12.7	
136 Carbazole	167	8.872	8.872	0.000	97	1776606	12.5	13.0	
137 Methyl parathion	109	9.012	9.012	0.000	88	651184	12.5	14.7	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	2446459	12.5	13.1	
139 Ethyl Parathion	109	9.386	9.385	0.001	80	399526	12.5	14.1	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	84	207779	12.5	14.8	
142 Octachlorostyrene	308	9.613	9.613	0.000	90	213379	12.5	12.0	
143 Isodrin	193	9.648	9.648	0.000	88	252108	12.5	13.1	
S 68 Diallate	86				0		12.5	13.0	
144 Fluoranthene	202	9.794	9.794	0.000	98	2209284	12.5	13.2	
145 Benzidine	184	9.940	9.940	0.000	99	1951532	12.5	16.5	
* 146 Pyrene-d10 (IS)	212	9.993	9.987	0.006	98	735873	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	2299052	12.5	12.3	
200 Aramite Peak 1	185	10.244	10.229	0.015	0	165277	1.25	23.5	
192 Aramite Peak 2	185	10.244	10.246	-0.002	0	165277	1.25	28.5	
185 Aramite Peak 3	185	10.244	10.293	-0.049	0	165277	5.00	10.2	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	387537	12.5	14.3	
150 Chlorobenzilate	139	10.361	10.361	0.000	80	888905	12.5	14.0	
180 Aramite Peak 4	185	10.244	10.369	-0.125	0	165277	5.00	9.24	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	1195664	12.5	13.6	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	1121712	12.5	12.8	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	90	903618	12.5	14.0	
S 94 Isosafrole	162				0		12.5	13.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	76	1227056	12.5	17.6	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.271	0.001	68	455311	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.272	11.271	0.001	98	2144307	12.5	12.9	
159 Chrysene	228	11.312	11.312	0.000	97	1976065	12.5	12.7	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	1587566	12.5	13.0	
S 103 Aramite, Total	185				0		12.5	71.4	
161 6-Methylchrysene	242	11.879	11.873	0.006	97	1437801	12.5	13.5	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	2821086	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	96	2252469	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	72	933292	12.5	13.9	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	99	2174197	12.5	12.2	
166 Benzo[a]pyrene	252	13.111	13.105	0.006	78	2137463	12.5	11.7	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	757750	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	91	1036043	12.5	12.7	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	1941595	12.5	15.1	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	1865508	12.5	12.6	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	2010726	12.5	11.7	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	92	2070961	12.5	12.6	
173 Benzo[g,h,i]perylene	276	15.067	15.061	0.006	98	2182310	12.5	13.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

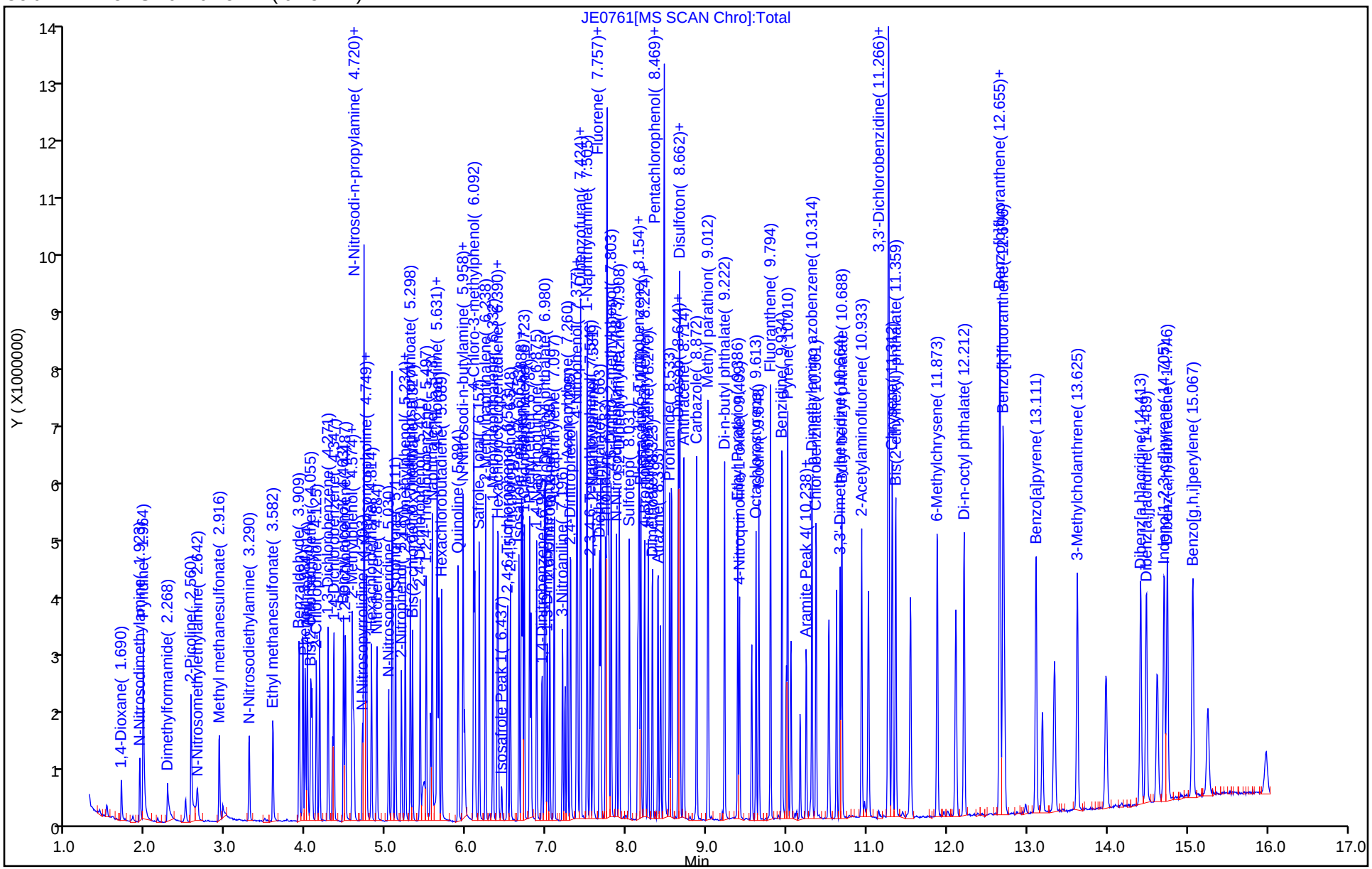
Report Date: 08-May-2025 09:48:46 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D

Injection Date:	08-May-2025 03:22:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



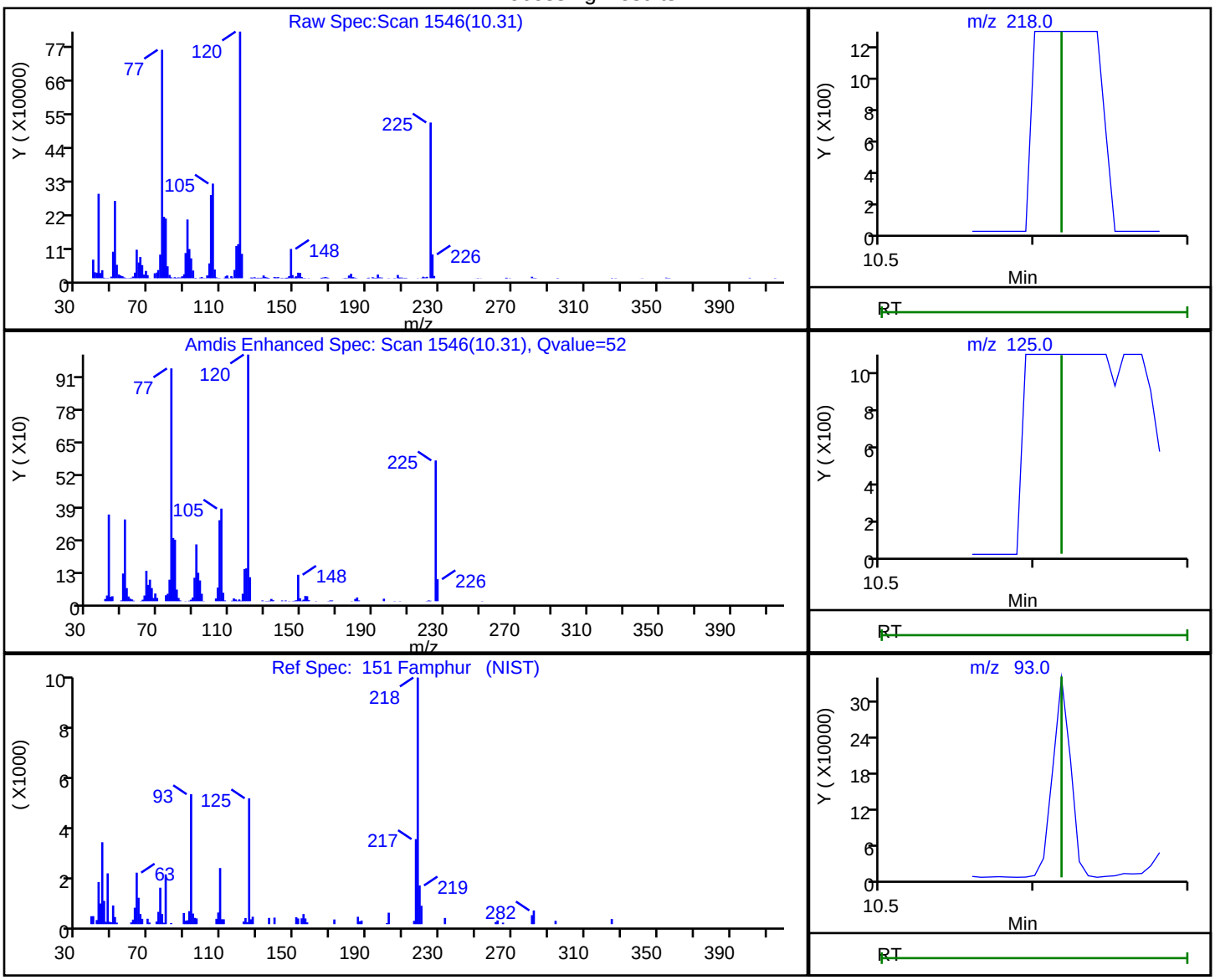
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D				
Injection Date:	08-May-2025 03:22:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
10.31	218.00	421	0.006637
10.31	125.00	649	
10.31	93.00	62990	

Reviewer: W6ZA, 08-May-2025 08:14:40 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

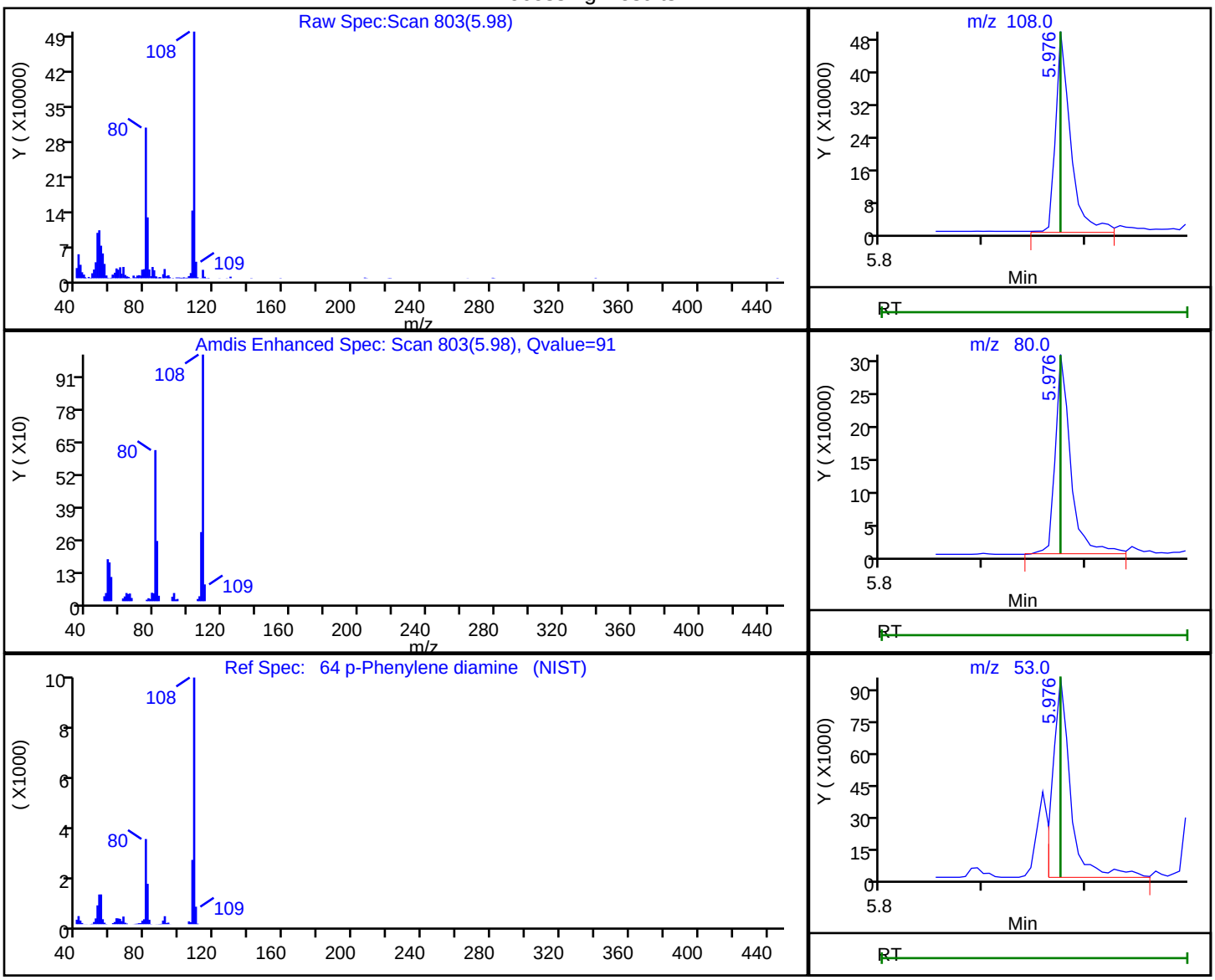
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D				
Injection Date:	08-May-2025 03:22:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

64 p-Phenylene diamine, CAS: 106-50-3

Processing Results



RT	Mass	Response	Amount
5.98	108.00	492847	9.172911
5.98	80.00	317124	
5.98	53.00	109068	
5.98	54.00	78627	
5.98	52.00	94653	

Reviewer: W6ZA, 08-May-2025 09:20:02 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-653809/2 Calibration Date: 06/06/2025 07:30

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JF0601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7420	0.6102		10.3	12.5	-17.8	20.0
N-Nitrosodimethylamine	Ave	1.219	1.051		10.8	12.5	-13.8	20.0
Pyridine	Ave	1.992	1.789		22.4	25.0	-10.2	20.0
N,N-dimethylformamide	Ave	1.356	1.248		11.5	12.5	-8.0	20.0
2-Picoline	Ave	1.819	1.854		12.7	12.5	2.0	20.0
N-Nitrosomethylethylamine	Ave	0.8163	0.7559		11.6	12.5	-7.4	20.0
Methyl methanesulfonate	Ave	1.291	1.364		13.2	12.5	5.6	20.0
N-Nitrosodiethylamine	Ave	0.7332	0.7441		12.7	12.5	1.5	20.0
Ethyl methanesulfonate	Ave	0.7822	0.8064		12.9	12.5	3.1	20.0
Benzaldehyde	Ave	1.744	1.615	0.0100	11.6	12.5	-7.4	20.0
Phenol	Ave	2.334	2.365	0.8000	12.7	12.5	1.3	20.0
Aniline	Ave	2.579	2.586		12.5	12.5	0.3	20.0
Bis(2-chloroethyl)ether	Ave	1.702	1.670	0.7000	12.3	12.5	-1.9	20.0
2-Chlorophenol	Ave	1.352	1.362	0.8000	12.6	12.5	0.7	20.0
1,3-Dichlorobenzene	Ave	1.517	1.408		11.6	12.5	-7.1	20.0
1,4-Dichlorobenzene	Ave	1.602	1.459		11.4	12.5	-8.9	20.0
Benzyl alcohol	Ave	1.092	1.059		12.1	12.5	-3.0	20.0
1,2-Dichlorobenzene	Ave	1.467	1.399		11.9	12.5	-4.6	20.0
2-Methylphenol	Ave	1.487	1.461	0.7000	12.3	12.5	-1.7	20.0
bis(1-chloroispropyl)ether	Ave	1.942	3.554	0.0100	22.9	12.5	83.0*	20.0
N-Nitrosopyrrolidine	Ave	0.8930	0.8748		12.2	12.5	-2.0	20.0
Acetophenone	Ave	2.610	2.719	0.0100	13.0	12.5	4.2	20.0
N-Nitrosodi-n-propylamine	Ave	1.585	1.658	0.5000	13.1	12.5	4.6	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.674	1.769	0.6000	13.2	12.5	5.7	20.0
N-Nitrosomorpholine	Ave	1.197	1.532		16.0	12.5	27.9*	20.0
2-Toluidine	Ave	2.518	2.455		12.2	12.5	-2.5	20.0
Hexachloroethane	Ave	0.7888	0.7856	0.3000	12.4	12.5	-0.4	20.0
Nitrobenzene	Ave	0.6122	0.6187	0.2000	12.6	12.5	1.1	20.0
N-Nitrosopiperidine	Ave	0.1987	0.1763		11.1	12.5	-11.3	20.0
Isophorone	Ave	1.069	1.032	0.4000	12.1	12.5	-3.5	20.0
2-Nitrophenol	Ave	0.2045	0.1940	0.1000	11.9	12.5	-5.1	20.0
2,4-Dimethylphenol	Ave	0.4757	0.4650	0.2000	12.2	12.5	-2.3	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1757	0.1430		10.2	12.5	-18.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.5484	0.5898	0.3000	13.4	12.5	7.5	20.0
2,4-Dichlorophenol	Ave	0.3007	0.3051	0.2000	12.7	12.5	1.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3467	0.3283		11.8	12.5	-5.3	20.0
Naphthalene	Ave	1.067	1.027	0.7000	12.0	12.5	-3.7	20.0
a-Terpineol	Ave	0.4004	0.5158		16.1	12.5	28.8*	20.0
2,6-Dichlorophenol	Ave	0.3075	0.2994		12.2	12.5	-2.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-653809/2 Calibration Date: 06/06/2025 07:30

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JF0601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chloroaniline	Ave	0.4509	0.4515	0.0100	12.5	12.5	0.1	20.0
Hexachloropropene	Ave	0.2840	0.2585		11.4	12.5	-9.0	20.0
Hexachlorobutadiene	Ave	0.2272	0.2265	0.0100	12.5	12.5	-0.3	20.0
Quinoline	Ave	0.6737	0.7010		13.0	12.5	4.0	20.0
Caprolactam	Ave	0.1114	0.0946	0.0100	10.6	12.5	-15.0	20.0
N-Nitrosodi-n-butylamine	Ave	0.4859	0.4531		11.7	12.5	-6.8	20.0
1,4-phenylenediamine	Lin2		0.2228			12.5	-45.7*	20.0
4-Chloro-3-methylphenol	Ave	0.4245	0.4044	0.2000	11.9	12.5	-4.7	20.0
Safrole, Total	Ave	0.2766	0.2574		11.6	12.5	-6.9	20.0
2-Methylnaphthalene	Ave	0.6217	0.6121	0.4000	12.3	12.5	-1.5	20.0
1-Methylnaphthalene	Ave	0.6389	0.6215		12.2	12.5	-2.7	20.0
Hexachlorocyclopentadiene	Ave	0.5467	0.5393	0.0500	12.3	12.5	-1.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6345	0.6601	0.0100	13.0	12.5	4.0	20.0
Isosafrole Peak 1	Ave	0.5028	0.5473		2.18	2.00	8.8	20.0
2,4,6-Trichlorophenol	Ave	0.3888	0.4204	0.2000	13.5	12.5	8.1	20.0
2,4,5-Trichlorophenol	Ave	0.4485	0.4713	0.2000	13.1	12.5	5.1	20.0
Isosafrole Peak 2	Ave	0.5720	0.5744		10.5	10.5	0.4	20.0
1,1'-Biphenyl	Ave	1.599	1.506	0.0100	11.8	12.5	-5.8	20.0
2-Chloronaphthalene	Ave	1.145	1.217	0.8000	13.3	12.5	6.3	20.0
1-Chloronaphthalene	Ave	1.082	1.218		14.1	12.5	12.6	20.0
Diphenyl ether	Ave	0.8216	0.8617		13.1	12.5	4.9	20.0
2-Nitroaniline	Ave	0.4130	0.4466	0.0100	13.5	12.5	8.1	20.0
1,4-Naphthoquinone	Ave	0.4880	0.5214		13.4	12.5	6.9	20.0
1,4-Dinitrobenzene	Ave	0.1745	0.2004		14.4	12.5	14.8	20.0
Dimethyl phthalate	Ave	1.478	1.495	0.0100	12.6	12.5	1.2	20.0
1,3-Dinitrobenzene	Ave	0.2105	0.2130		12.6	12.5	1.2	20.0
2,6-Dinitrotoluene	Ave	0.3007	0.3170	0.2000	13.2	12.5	5.4	20.0
Acenaphthylene	Ave	1.824	1.995	0.9000	13.7	12.5	9.4	20.0
3-Nitroaniline	Ave	0.3426	0.3623	0.0100	13.2	12.5	5.8	20.0
Acenaphthene	Ave	1.286	1.289	0.9000	12.5	12.5	0.3	20.0
2,4-Dinitrophenol	Ave	0.2033	0.2111	0.0100	26.0	25.0	3.9	20.0
Pentachlorobenzene	Ave	0.5668	0.5837		12.9	12.5	3.0	20.0
4-Nitrophenol	Ave	0.3560	0.4066	0.0100	28.6	25.0	14.2	20.0
Dibenzofuran	Ave	1.679	1.871	0.8000	13.9	12.5	11.5	20.0
2,4-Dinitrotoluene	Ave	0.4298	0.4741	0.2000	13.8	12.5	10.3	20.0
1-Naphthylamine	Ave	1.152	1.290		14.0	12.5	11.9	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.4031	0.4211	0.0100	13.1	12.5	4.5	20.0
2-Naphthylamine	Ave	1.216	1.206		12.4	12.5	-0.9	20.0
Diethyl phthalate	Ave	1.530	1.730	0.0100	14.1	12.5	13.1	20.0
Thionazin	Ave	0.2720	0.2875		13.2	12.5	5.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-653809/2 Calibration Date: 06/06/2025 07:30

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JF0601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluorene	Ave	1.390	1.442	0.9000	13.0	12.5	3.8	20.0
4-Chlorophenyl-phenyl ether	Ave	0.6546	0.6962	0.4000	13.3	12.5	6.4	20.0
5-Nitro-o-toluidine	Ave	0.3857	0.4046		13.1	12.5	4.9	20.0
4-Nitroaniline	Ave	0.3505	0.3685	0.0100	13.1	12.5	5.1	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1415	0.1375	0.0100	24.3	25.0	-2.8	20.0
N-Nitrosodiphenylamine	Ave	0.5862	0.6133	0.0100	11.1	10.6	4.6	20.0
1,2-Diphenylhydrazine	Ave	1.153	1.246		13.5	12.5	8.0	20.0
Sulfotepp	Ave	0.2080	0.2134		12.8	12.5	2.6	20.0
cis-Diallate	Ave	0.3827	0.4095		9.90	9.25	7.0	20.0
1,3,5-Trinitrobenzene	Ave	0.0645	0.0661			12.5	2.5	20.0
Phorate	Ave	0.7811	1.172		18.8	12.5	50.0*	20.0
Phenacetin	Ave	0.5081	0.5085		12.5	12.5	0.0	20.0
4-Bromophenyl-phenylether	Ave	0.2100	0.2309	0.1000	13.7	12.5	9.9	20.0
trans-Diallate	Ave	0.4267	0.4214		3.21	3.25	-1.2	20.0
Hexachlorobenzene	Ave	0.2704	0.2700	0.1000	12.5	12.5	-0.1	20.0
Dimethoate	Ave	0.3958	0.4491		14.2	12.5	13.5	20.0
Atrazine	Ave	0.2288	0.1883	0.0100	10.3	12.5	-17.7	20.0
Pentachlorophenol	Ave	0.1771	0.1768	0.0500	25.0	25.0	-0.2	20.0
4-Aminobiphenyl	Ave	0.8269	0.7646		11.6	12.5	-7.5	20.0
Pentachloronitrobenzene	Ave	0.1424	0.1636		14.4	12.5	14.9	20.0
Pronamide	Ave	0.3678	0.4070		13.8	12.5	10.6	20.0
Dinoseb	Ave	0.1791	0.1765		12.3	12.5	-1.4	20.0
Disulfoton	Ave	0.6143	0.6765		13.8	12.5	10.1	20.0
Phenanthrene	Ave	1.109	1.119	0.7000	12.6	12.5	0.9	20.0
Anthracene	Ave	1.114	1.151	0.7000	12.9	12.5	3.4	20.0
Carbazole	Ave	0.9870	1.114	0.0100	14.1	12.5	12.9	20.0
Methyl parathion	Ave	0.3187	0.3672		14.4	12.5	15.2	20.0
Di-n-butyl phthalate	Ave	1.344	1.478	0.0100	13.7	12.5	10.0	20.0
Parathion	Ave	0.2047	0.2332		14.2	12.5	13.9	20.0
4-Nitroquinoline-1-oxide	Ave	0.1016	0.1032		12.7	12.5	1.6	20.0
Octachlorostyrene	Ave	0.1278	0.1256		12.3	12.5	-1.8	20.0
Isodrin	Lin2		0.1548		14.0	12.5	11.9	20.0
Fluoranthene	Ave	1.210	1.303	0.6000	13.5	12.5	7.7	20.0
Benzidine	Ave	0.8016	0.7368		34.5	37.5	-8.1	20.0
Pyrene	Ave	1.266	1.249	0.6000	12.3	12.5	-1.3	20.0
p-Dimethylamino azobenzene	Ave	0.1840	0.1865		12.7	12.5	1.4	20.0
Chlorobenzilate	Ave	0.4301	0.4589		13.3	12.5	6.7	20.0
3,3'-Dimethylbenzidine	Ave	0.5992	0.5089		10.6	12.5	-15.1	20.0
Butylbenzylphthalate	Ave	0.5937	0.6168	0.0100	13.0	12.5	3.9	20.0
2-Acetylaminofluorene	Ave	0.4388	0.2830		8.06	12.5	-35.5*	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVIS 410-653809/2 Calibration Date: 06/06/2025 07:30

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JF0601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	Ave	0.4733	0.4871	0.0100	12.9	12.5	2.9	20.0
Benzo[a]anthracene	Ave	1.133	1.187	0.8000	13.1	12.5	4.8	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2316	0.2199			12.5	-5.0	20.0
Chrysene	Ave	1.059	1.089	0.7000	12.9	12.5	2.8	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8292	0.8910	0.0100	13.4	12.5	7.5	20.0
6-Methylchrysene	Ave	0.7234	0.7594		13.1	12.5	5.0	20.0
Di-n-octyl phthalate	Ave	1.408	1.519	0.0100	13.5	12.5	7.9	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4444	0.4867		13.7	12.5	9.5	20.0
Benzo[b]fluoranthene	Ave	1.165	1.230	0.7000	13.2	12.5	5.6	20.0
Benzo[k]fluoranthene	Ave	1.179	1.173	0.7000	12.4	12.5	-0.5	20.0
Benzo[a]pyrene	Ave	1.208	1.168	0.7000	12.1	12.5	-3.3	20.0
3-Methylcholanthrene	Ave	0.5373	0.5633		13.1	12.5	4.8	20.0
Dibenz[a,h]acridine	Ave	0.8496	0.9020		13.3	12.5	6.2	20.0
Dibenz[a,j]acridine	Ave	0.9747	0.9658		12.4	12.5	-0.9	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.138	1.142	0.5000	12.5	12.5	0.3	20.0
Dibenz(a,h)anthracene	Ave	1.082	1.115	0.4000	12.9	12.5	3.0	20.0
Benzo[g,h,i]perylene	Ave	1.111	1.182	0.5000	13.3	12.5	6.5	20.0
2-Fluorophenol (Surr)	Ave	1.485	1.556		26.2	25.0	4.8	20.0
Phenol-d5 (Surr)	Ave	2.213	2.281		25.8	25.0	3.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.6244	0.6407		25.7	25.0	2.6	20.0
2-Fluorobiphenyl (Surr)	Ave	1.409	1.502		26.6	25.0	6.6	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2881	0.2895		25.1	25.0	0.5	20.0
p-Terphenyl-d14 (Surr)	Ave	0.7969	0.8030		25.2	25.0	0.8	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0601.D
Lims ID: CCVIS L6
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Jun-2025 07:30:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 09-Jun-2025 14:18:01 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.591	1.591	0.000	92	275985	12.5	10.3	
	2 N-Nitrosodimethylamine	74	1.819	1.819	0.000	90	475125	12.5	10.8	
	3 Pyridine	79	1.860	1.860	0.000	91	1618101	25.0	22.4	
	4 Dimethylformamide	73	2.163	2.163	0.000	92	564384	12.5	11.5	
	5 2-Picoline	93	2.467	2.467	0.000	87	838587	12.5	12.7	M
	6 N-Nitrosomethylethylamine	88	2.525	2.525	0.000	93	341853	12.5	11.6	
	7 Methyl methanesulfonate	80	2.800	2.800	0.000	88	616678	12.5	13.2	
$	9 2-Fluorophenol	112	2.957	2.957	0.000	94	1407854	25.0	26.2	
	11 N-Nitrosodiethylamine	102	3.162	3.162	0.000	87	336541	12.5	12.7	
	12 Ethyl methanesulfonate	109	3.465	3.465	0.000	93	364692	12.5	12.9	
	13 Benzaldehyde	77	3.792	3.792	0.000	87	730215	12.5	11.6	
$	15 Phenol-d5	99	3.874	3.874	0.000	92	2063416	25.0	25.8	
	16 Phenol	94	3.886	3.886	0.000	90	1069745	12.5	12.7	
	17 Aniline	93	3.898	3.898	0.000	96	1169604	12.5	12.5	
	18 Bis(2-chloroethyl)ether	93	3.962	3.962	0.000	84	755381	12.5	12.3	
	19 2-Chlorophenol	128	4.014	4.014	0.000	86	615850	12.5	12.6	
	21 1,3-Dichlorobenzene	146	4.154	4.154	0.000	89	636956	12.5	11.6	
*	22 1,4-Dichlorobenzene-d4	152	4.213	4.213	0.000	94	180910	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.225	4.225	0.000	86	659779	12.5	11.4	
	26 Benzyl alcohol	108	4.353	4.353	0.000	85	478804	12.5	12.1	
	27 1,2-Dichlorobenzene	146	4.371	4.371	0.000	89	632730	12.5	11.9	
	29 2-Methylphenol	108	4.476	4.476	0.000	90	660914	12.5	12.3	
	30 2,2'-oxybis[1-chloropropane]	45	4.481	4.481	0.000	91	1607356	12.5	22.9	
	31 N-Nitrosopyrrolidine	100	4.592	4.592	0.000	79	395649	12.5	12.2	
	32 Acetophenone	105	4.604	4.604	0.000	91	1229914	12.5	13.0	
	33 N-Nitrosodi-n-propylamine	70	4.610	4.610	0.000	91	749910	12.5	13.1	
	34 4-Methylphenol	108	4.627	4.627	0.000	83	800169	12.5	13.2	
	35 N-Nitrosomorpholine	56	4.633	4.633	0.000	89	692660	12.5	16.0	
	36 2-Toluidine	106	4.639	4.639	0.000	96	1110152	12.5	12.2	
	37 Hexachloroethane	117	4.698	4.698	0.000	95	355311	12.5	12.4	
$	39 Nitrobenzene-d5	82	4.750	4.750	0.000	92	2226172	25.0	25.7	
	40 Nitrobenzene	77	4.768	4.768	0.000	90	1074879	12.5	12.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
41 N-Nitrosopiperidine	114	4.919	4.919	0.000	77	306274	12.5	11.1	
42 Isophorone	82	5.001	5.001	0.000	98	1792665	12.5	12.1	
43 2-Nitrophenol	139	5.077	5.077	0.000	79	337142	12.5	11.9	
44 2,4-Dimethylphenol	107	5.135	5.135	0.000	97	807868	12.5	12.2	
46 o,o',o''-Triethylphosphorothioat	198	5.194	5.194	0.000	91	248482	12.5	10.2	
47 Bis(2-chloroethoxy)methane	93	5.223	5.223	0.000	90	1024715	12.5	13.4	
49 2,4-Dichlorophenol	162	5.316	5.316	0.000	89	530168	12.5	12.7	
50 1,2,4-Trichlorobenzene	180	5.387	5.387	0.000	90	570327	12.5	11.8	
* 52 Naphthalene-d8	136	5.439	5.439	0.000	98	694972	5.00	5.00	
53 Naphthalene	128	5.457	5.457	0.000	98	1784897	12.5	12.0	
55 Alpha-Terpineol	59	5.474	5.474	0.000	89	896171	12.5	16.1	
56 4-Chloroaniline	127	5.527	5.527	0.000	90	784468	12.5	12.5	
57 2,6-Dichlorophenol	162	5.527	5.527	0.000	82	520142	12.5	12.2	
58 Hexachloropropene	213	5.544	5.544	0.000	97	449164	12.5	11.4	
59 Hexachlorobutadiene	225	5.579	5.579	0.000	95	393614	12.5	12.5	
61 Quinoline	129	5.789	5.789	0.000	92	1217918	12.5	13.0	
62 Caprolactam	113	5.854	5.854	0.000	65	164414	12.5	10.6	
63 N-Nitrosodi-n-butylamine	84	5.854	5.854	0.000	91	787152	12.5	11.7	
64 p-Phenylene diamine	108	5.883	5.883	0.000	90	387180	12.5	6.78	
65 4-Chloro-3-methylphenol	107	6.011	6.011	0.000	90	702556	12.5	11.9	
66 Safrole, Total	162	6.052	6.052	0.000	71	447283	12.5	11.6	
67 2-Methylnaphthalene	142	6.128	6.128	0.000	90	1063550	12.5	12.3	
69 1-Methylnaphthalene	142	6.222	6.222	0.000	90	1079842	12.5	12.2	
71 Hexachlorocyclopentadiene	237	6.274	6.274	0.000	96	506285	12.5	12.3	
70 1,2,4,5-Tetrachlorobenzene	216	6.286	6.286	0.000	98	619648	12.5	13.0	
72 Isosafrole Peak 1	162	6.332	6.332	0.000	79	82198	2.00	2.18	
79 2,4,6-Trichlorophenol	196	6.408	6.408	0.000	83	394657	12.5	13.5	
80 2,4,5-Trichlorophenol	196	6.449	6.449	0.000	89	442478	12.5	13.1	
$ 81 2-Fluorobiphenyl (Surr)	172	6.484	6.484	0.000	99	2819959	25.0	26.6	
S 24 Dinitrotoluene	165				0		25.0	27.0	
82 Isosafrole Peak 2	162	6.548	6.548	0.000	79	452946	10.5	10.5	
83 1,1'-Biphenyl	154	6.578	6.578	0.000	97	1413468	12.5	11.8	
84 2-Chloronaphthalene	162	6.589	6.589	0.000	96	1142890	12.5	13.3	
85 1-Chloronaphthalene	162	6.613	6.613	0.000	95	1143254	12.5	14.1	
86 Phenyl ether	170	6.677	6.677	0.000	85	808905	12.5	13.1	
87 2-Nitroaniline	138	6.700	6.700	0.000	72	419272	12.5	13.5	
88 1,4-Naphthoquinone	158	6.770	6.770	0.000	65	489468	12.5	13.4	
89 1,4-Dinitrobenzene	168	6.840	6.840	0.000	86	188136	12.5	14.4	
90 Dimethyl phthalate	163	6.881	6.881	0.000	94	1403670	12.5	12.6	
91 1,3-Dinitrobenzene	168	6.911	6.911	0.000	78	199999	12.5	12.6	
92 2,6-Dinitrotoluene	165	6.940	6.940	0.000	77	297557	12.5	13.2	
93 Acenaphthylene	152	6.986	6.986	0.000	99	1873016	12.5	13.7	
95 3-Nitroaniline	138	7.097	7.097	0.000	83	340138	12.5	13.2	
* 96 Acenaphthene-d10	164	7.121	7.121	0.000	94	375499	5.00	5.00	
97 Acenaphthene	153	7.150	7.150	0.000	97	1210473	12.5	12.5	
98 2,4-Dinitrophenol	184	7.197	7.197	0.000	74	396303	25.0	26.0	
99 Pentachlorobenzene	250	7.273	7.273	0.000	96	547976	12.5	12.9	
100 4-Nitrophenol	109	7.290	7.290	0.000	89	763446	25.0	28.6	
101 Dibenzofuran	168	7.313	7.313	0.000	96	1756412	12.5	13.9	
102 2,4-Dinitrotoluene	165	7.319	7.319	0.000	77	445104	12.5	13.8	
104 1-Naphthylamine	143	7.395	7.395	0.000	96	1210809	12.5	14.0	
105 2,3,4,6-Tetrachlorophenol	232	7.442	7.442	0.000	78	395313	12.5	13.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
106 2-Naphthylamine	143	7.471	7.471	0.000	92	1131817	12.5	12.4	
107 Diethyl phthalate	149	7.559	7.559	0.000	94	1623987	12.5	14.1	
109 Thionazin	107	7.635	7.635	0.000	73	269879	12.5	13.2	
108 Fluorene	166	7.640	7.640	0.000	93	1353981	12.5	13.0	
110 4-Chlorophenyl phenyl ether	204	7.652	7.652	0.000	96	653551	12.5	13.3	
111 N-Nitro-o-toluidine	152	7.664	7.664	0.000	85	379835	12.5	13.1	
112 4-Nitroaniline	138	7.681	7.681	0.000	75	345959	12.5	13.1	
113 4,6-Dinitro-2-methylphenol	198	7.705	7.705	0.000	57	511617	25.0	24.3	
114 N-Nitrosodiphenylamine	169	7.769	7.769	0.000	68	969932	10.6	11.1	
115 1,2-Diphenylhydrazine	77	7.798	7.798	0.000	99	2318209	12.5	13.5	
$ 116 2,4,6-Tribromophenol	330	7.874	7.874	0.000	86	543445	25.0	25.1	
117 Sulfotepp	97	7.932	7.932	0.000	75	397065	12.5	12.8	
120 cis-Diallate	86	8.043	8.043	0.000	94	563837	9.25	9.90	
118 1,3,5-Trinitrobenzene	213	8.049	8.049	0.000	73	122966	12.5	12.8	
119 Phorate	75	8.049	8.049	0.000	93	2180274	12.5	18.8	
121 Phenacetin	108	8.078	8.078	0.000	88	946068	12.5	12.5	
122 4-Bromophenyl phenyl ether	248	8.113	8.113	0.000	75	429530	12.5	13.7	
123 trans-Diallate	86	8.125	8.125	0.000	93	203857	3.25	3.21	
124 Hexachlorobenzene	284	8.160	8.160	0.000	93	502461	12.5	12.5	
125 Dimethoate	87	8.218	8.218	0.000	94	835633	12.5	14.2	
126 Atrazine	200	8.289	8.289	0.000	78	350449	12.5	10.3	
127 Pentachlorophenol	266	8.359	8.359	0.000	88	658071	25.0	25.0	
128 Pentachloronitrobenzene	237	8.364	8.364	0.000	79	304339	12.5	14.4	
129 4-Aminobiphenyl	169	8.364	8.364	0.000	92	1422607	12.5	11.6	
130 Pronamide	173	8.434	8.434	0.000	90	757265	12.5	13.8	
* 131 Phenanthrene-d10	188	8.534	8.534	0.000	98	744255	5.00	5.00	
133 Dinoseb	211	8.545	8.545	0.000	88	328485	12.5	12.3	
134 Disulfoton	88	8.551	8.551	0.000	82	1258790	12.5	13.8	
132 Phenanthrene	178	8.551	8.551	0.000	92	2082922	12.5	12.6	
135 Anthracene	178	8.604	8.604	0.000	99	2142498	12.5	12.9	
136 Carbazole	167	8.767	8.767	0.000	96	2073418	12.5	14.1	
137 Methyl parathion	109	8.907	8.907	0.000	87	683206	12.5	14.4	
138 Di-n-butyl phthalate	149	9.118	9.118	0.000	99	2750056	12.5	13.7	
139 Ethyl Parathion	109	9.281	9.281	0.000	79	433863	12.5	14.2	
140 4-Nitroquinoline-1-oxide	190	9.305	9.305	0.000	81	192048	12.5	12.7	
142 Octachlorostyrene	308	9.503	9.503	0.000	89	233613	12.5	12.3	
143 Isodrin	193	9.538	9.538	0.000	89	288062	12.5	14.0	
S 68 Diallate	86				0		12.5	13.1	
144 Fluoranthene	202	9.684	9.684	0.000	98	2424562	12.5	13.5	
145 Benzidine	184	9.836	9.836	0.000	99	4499914	37.5	34.5	
* 146 Pyrene-d10 (IS)	212	9.883	9.883	0.000	98	814315	5.00	5.00	
147 Pyrene	202	9.900	9.900	0.000	98	2542152	12.5	12.3	
$ 148 p-Terphenyl-d14	244	10.064	10.064	0.000	99	3269286	25.0	25.2	
149 p-Dimethylamino azobenzene	225	10.204	10.204	0.000	88	379647	12.5	12.7	
150 Chlorobenzilate	139	10.256	10.256	0.000	81	934168	12.5	13.3	
152 3,3'-Dimethylbenzidine	212	10.548	10.548	0.000	98	1036010	12.5	10.6	
153 Butyl benzyl phthalate	149	10.572	10.572	0.000	94	1255656	12.5	13.0	
155 2-Acetylaminofluorene	181	10.817	10.817	0.000	93	576186	12.5	8.06	
157 3,3'-Dichlorobenzidine	252	11.138	11.138	0.000	75	991615	12.5	12.9	
156 Benzo[a]anthracene	228	11.138	11.138	0.000	99	2417329	12.5	13.1	
158 4,4'-Methylene bis(2-chloroanil	231	11.144	11.144	0.000	92	447728	12.5	11.9	
S 94 Isosafrole	162				0		12.5	12.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	11.185	11.185	0.000	97	2216515	12.5	12.9	
160 Bis(2-ethylhexyl) phthalate	149	11.237	11.237	0.000	95	1813912	12.5	13.4	
161 6-Methylchrysene	242	11.734	11.734	0.000	99	1546077	12.5	13.1	
162 Di-n-octyl phthalate	149	12.066	12.066	0.000	99	3032453	12.5	13.5	
163 7,12-Dimethylbenz(a)anthracene	256	12.493	12.493	0.000	71	971297	12.5	13.7	
164 Benzo[b]fluoranthene	252	12.498	12.498	0.000	97	2454489	12.5	13.2	
165 Benzo[k]fluoranthene	252	12.534	12.534	0.000	99	2341205	12.5	12.4	
166 Benzo[a]pyrene	252	12.936	12.936	0.000	77	2331774	12.5	12.1	
* 167 Perylene-d12	264	13.012	13.012	0.000	97	798331	5.00	5.00	
168 3-Methylcholanthrene	268	13.444	13.444	0.000	91	1124160	12.5	13.1	
169 Dibenz[a,h]acridine	279	14.227	14.227	0.000	91	1800196	12.5	13.3	
170 Dibenz[a,j]acridine	279	14.303	14.303	0.000	96	1927522	12.5	12.4	
171 Indeno[1,2,3-cd]pyrene	276	14.525	14.525	0.000	99	2278896	12.5	12.5	
172 Dibenz(a,h)anthracene	278	14.565	14.565	0.000	92	2225161	12.5	12.9	
173 Benzo[g,h,i]perylene	276	14.869	14.869	0.000	98	2359765	12.5	13.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_6_00065 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 14:18:02 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0601.D

Injection Date: 06-Jun-2025 07:30:30 Instrument ID: HP23264 Operator ID: CJS101602

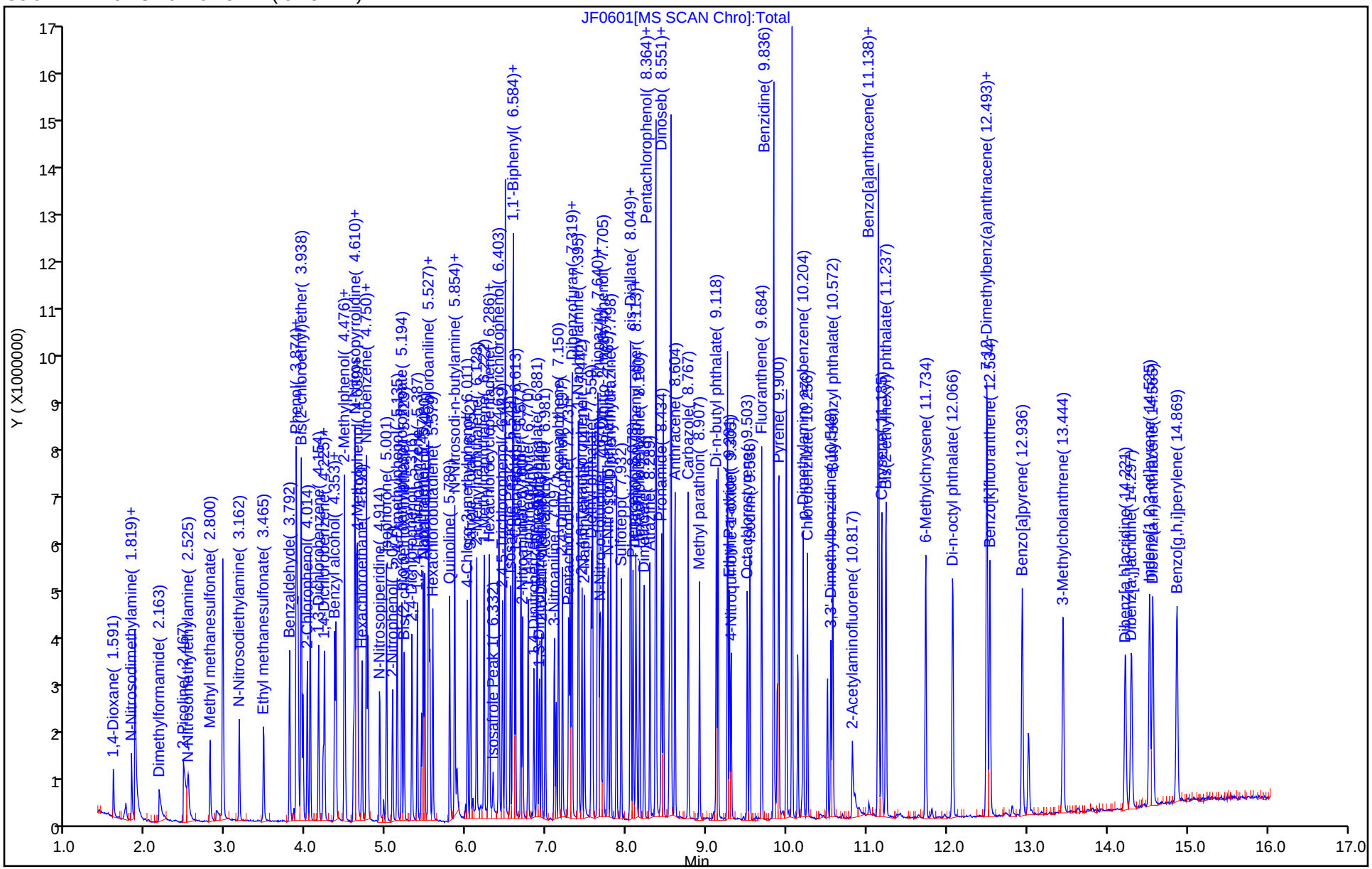
Lims ID: CCVIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

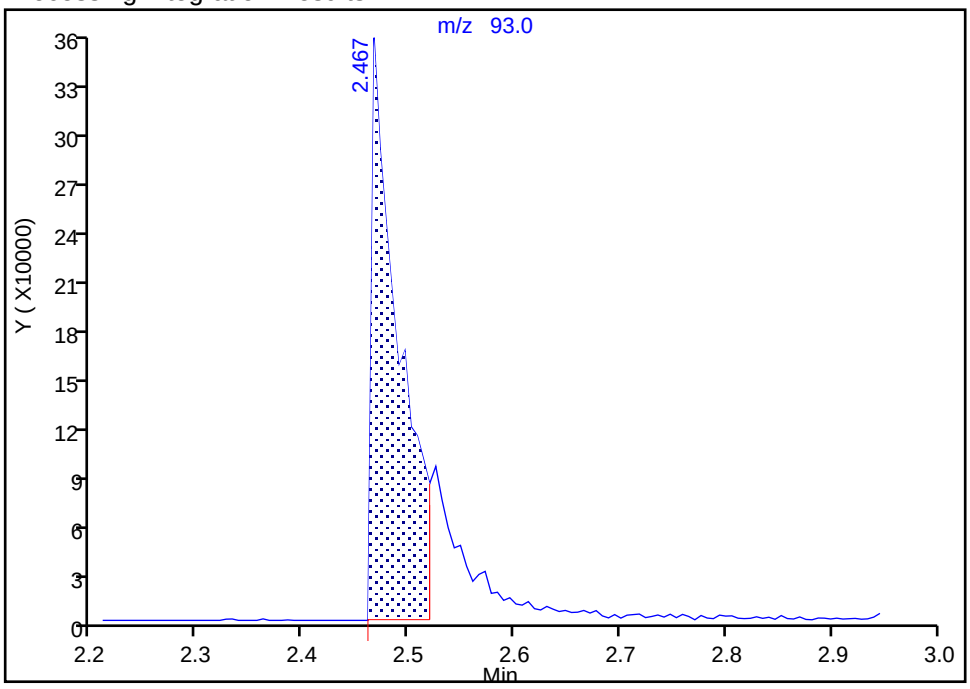
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0601.D				
Injection Date:	06-Jun-2025 07:30:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

5 2-Picoline, CAS: 109-06-8

Signal: 1

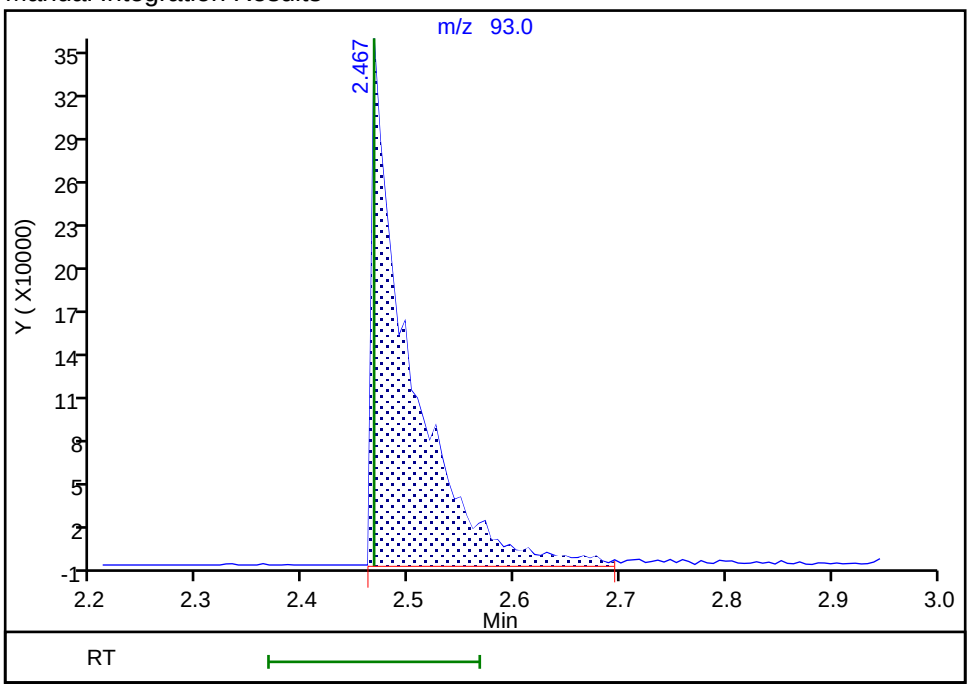
Processing Integration Results

RT: 2.47
Area: 615870
Amount: 9.359350
Amount Units: ug/ml



Manual Integration Results

RT: 2.47
Area: 838587
Amount: 12.743971
Amount Units: ug/ml



Reviewer: W6ZA, 06-Jun-2025 07:56:50 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0100.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 01-May-2025 09:21:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: CJS101602 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-May-2025 21:47:58 Calib Date: 01-May-2025 12:22:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0108.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1694

First Level Reviewer: W6ZA Date: 01-May-2025 09:31:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	4.938	4.938	0.000	92	163060	NR	NR	
14 Benzidine_T	184	6.192	6.192	0.000	99	713819	NR	NR	
178 DFTPP									
180 4,4'-DDE	246		6.353					ND	U
179 4,4'-DDD	235		6.630					ND	U
181 4,4'-DDT	235	6.879	6.879	0.000	97	292289	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

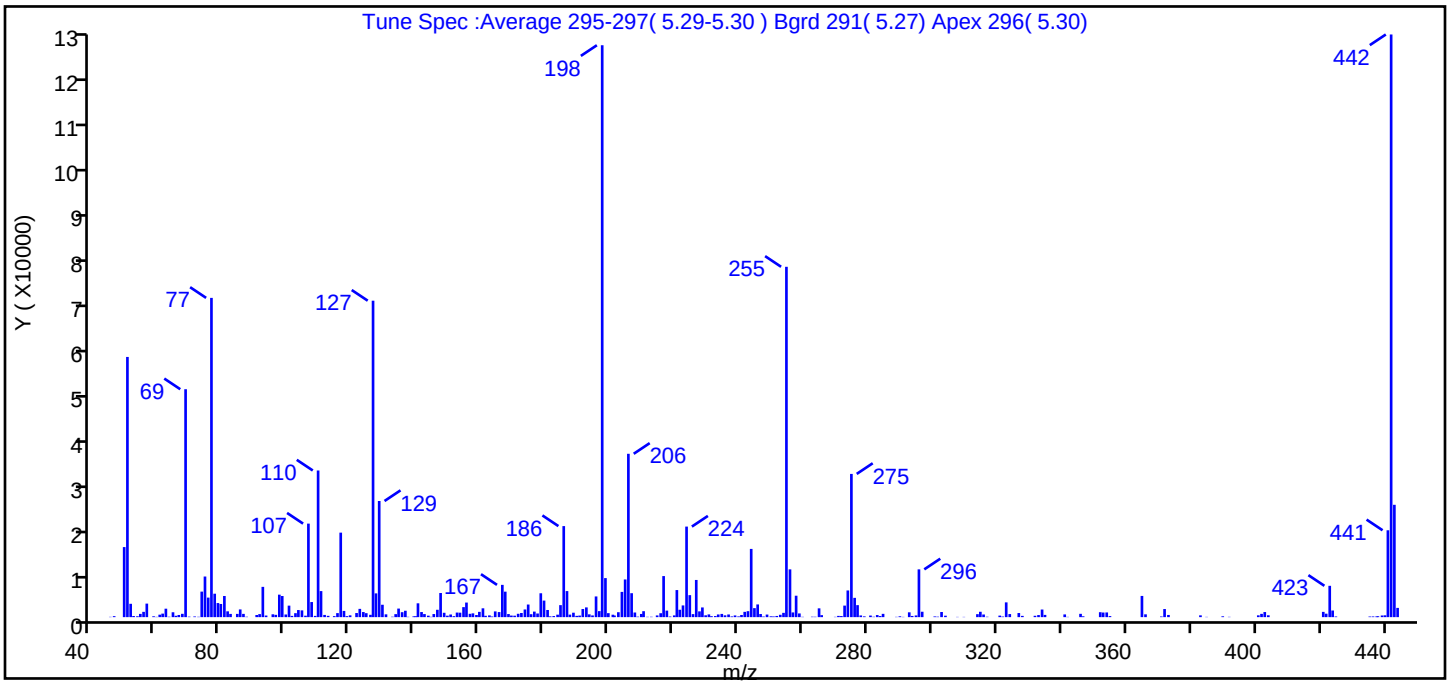
MSS_RVDFTPP_00017 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0100.D
Injection Date: 01-May-2025 09:21:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (98.2)
51	10-80% of the base peak	45.5
68	<2% of mass 69	0.6 (1.5)
69	Present	39.9
70	<2% of mass 69	0.1 (0.2)
127	10-80% of the base peak	55.3
197	<2% of mass 198	1.1
199	5-9% of mass 198	6.8
275	10-60% of the base peak	25.0
365	>1% of mass 198	3.7
441	present but <24% of mass 442	15.2 (14.9)
442	base peak, or >50% of 198	101.9
443	15-24% of mass 442	19.6 (19.3)

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0100.D\MSSemi_HP18831.rslt\spectra.
Injection Date: 01-May-2025 09:21:30
Spectrum: Tune Spec :Average 295-297(5.29-5.30) Bgrd 291(5.27) Apex 296(5.30)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
46.00	61	128.00	5054	201.00	517	279.00	163
47.00	207	129.00	24696	202.00	349	281.00	339
50.00	14898	130.00	2635	203.00	1047	282.00	86
51.00	55328	131.00	598	204.00	5369	283.00	446
52.00	2837	133.00	91	205.00	8012	284.00	233
53.00	238	134.00	638	206.00	34736	285.00	701
54.00	187	135.00	1822	207.00	5091	289.00	62
55.00	690	136.00	1055	208.00	987	290.00	177
56.00	1126	137.00	1359	209.00	107	291.00	54
57.00	2878	138.00	70	210.00	679	293.00	1025
59.00	178	140.00	171	211.00	1266	294.00	254
60.00	60	140.00	196	212.00	70	295.00	359
61.00	526	141.00	2942	213.00	82	296.00	10160
62.00	749	142.00	1085	215.00	363	297.00	1150
63.00	1797	143.00	652	216.00	834	301.00	148
64.00	87	144.00	313	217.00	8733	302.00	98
65.00	1037	145.00	68	218.00	1388	303.00	1093
66.00	290	146.00	659	219.00	129	304.00	307
67.00	462	147.00	1566	220.00	369	308.00	53
68.00	706	148.00	5133	221.00	5758	310.00	53
69.00	48464	149.00	927	222.00	1571	314.00	632
70.00	106	150.00	313	223.00	2493	315.00	1144
72.00	142	151.00	562	224.00	19256	316.00	562
73.00	76	152.00	203	225.00	4679	317.00	87
74.00	5428	153.00	973	226.00	645	321.00	324
75.00	8638	154.00	947	227.00	7906	322.00	126
76.00	4157	155.00	2129	228.00	1227	323.00	3142
77.00	67888	156.00	3100	229.00	2063	324.00	653
78.00	4982	157.00	707	230.00	393	327.00	876
79.00	2998	158.00	806	231.00	582	328.00	269
80.00	2800	159.00	455	232.00	204	332.00	290
81.00	4497	160.00	1123	233.00	231	333.00	442
82.00	1236	161.00	1878	234.00	568	334.00	1619

Report Date: 01-May-2025 21:47:58 Chrom Revision: 2.3 18-Apr-2025 15:35:42
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0100.D\MSSemi_HP18831.rslt\spectra.
Injection Date: 01-May-2025 09:21:30
Spectrum: Tune Spec :Average 295-297(5.29-5.30) Bgrd 291(5.27) Apex 296(5.30)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	686	162.00	288	235.00	686	335.00	478
85.00	690	163.00	372	236.00	385	341.00	580
86.00	1640	164.00	132	237.00	567	342.00	57
87.00	694	165.00	1218	238.00	152	346.00	704
88.00	87	166.00	1076	239.00	361	347.00	177
91.00	452	167.00	6864	240.00	152	352.00	1050
92.00	646	168.00	5418	241.00	457	353.00	980
93.00	6439	169.00	659	242.00	1126	354.00	999
94.00	342	170.00	337	243.00	1271	355.00	223
96.00	606	171.00	311	244.00	14508	365.00	4510
97.00	493	172.00	716	245.00	1914	366.00	601
98.00	4780	173.00	879	246.00	2702	371.00	136
99.00	4492	174.00	1630	247.00	664	372.00	1725
100.00	563	175.00	2682	248.00	127	373.00	464
101.00	2447	176.00	624	249.00	551	383.00	382
102.00	268	177.00	1179	250.00	176	385.00	55
103.00	843	178.00	774	251.00	146	390.00	177
104.00	1509	179.00	5078	252.00	251	392.00	64
105.00	1439	180.00	3520	253.00	500	401.00	384
106.00	307	181.00	1522	254.00	913	402.00	698
107.00	19888	182.00	164	255.00	74496	403.00	1084
108.00	3210	183.00	227	256.00	10159	404.00	396
109.00	266	184.00	524	257.00	1001	421.00	1122
110.00	31184	185.00	2553	258.00	4556	422.00	734
111.00	5539	186.00	19360	259.00	788	423.00	6661
112.00	470	187.00	5542	260.00	66	424.00	1411
113.00	278	188.00	537	263.00	93	425.00	138
115.00	213	189.00	944	264.00	83	435.00	132
116.00	858	190.00	277	265.00	1872	436.00	145
117.00	17968	191.00	333	266.00	422	438.00	144
118.00	1323	192.00	1725	270.00	65	438.00	192
119.00	215	193.00	2071	271.00	268	439.00	350
120.00	384	194.00	595	272.00	231	440.00	389
122.00	875	195.00	361	273.00	2453	441.00	18472

Report Date: 01-May-2025 21:47:58 Chrom Revision: 2.3 18-Apr-2025 15:35:42
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0100.D\MSSemi_HP18831.rslt\spectra.
Injection Date: 01-May-2025 09:21:30
Spectrum: Tune Spec :Average 295-297(5.29-5.30) Bgrd 291(5.27) Apex 296(5.30)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
123.00	1759	196.00	4402	274.00	5676	442.00	123896
124.00	1085	197.00	1279	275.00	30456	443.00	23888
125.00	842	198.00	121608	276.00	4102	444.00	1966
126.00	496	199.00	8302	277.00	2553		
127.00	67288	200.00	848	278.00	360		

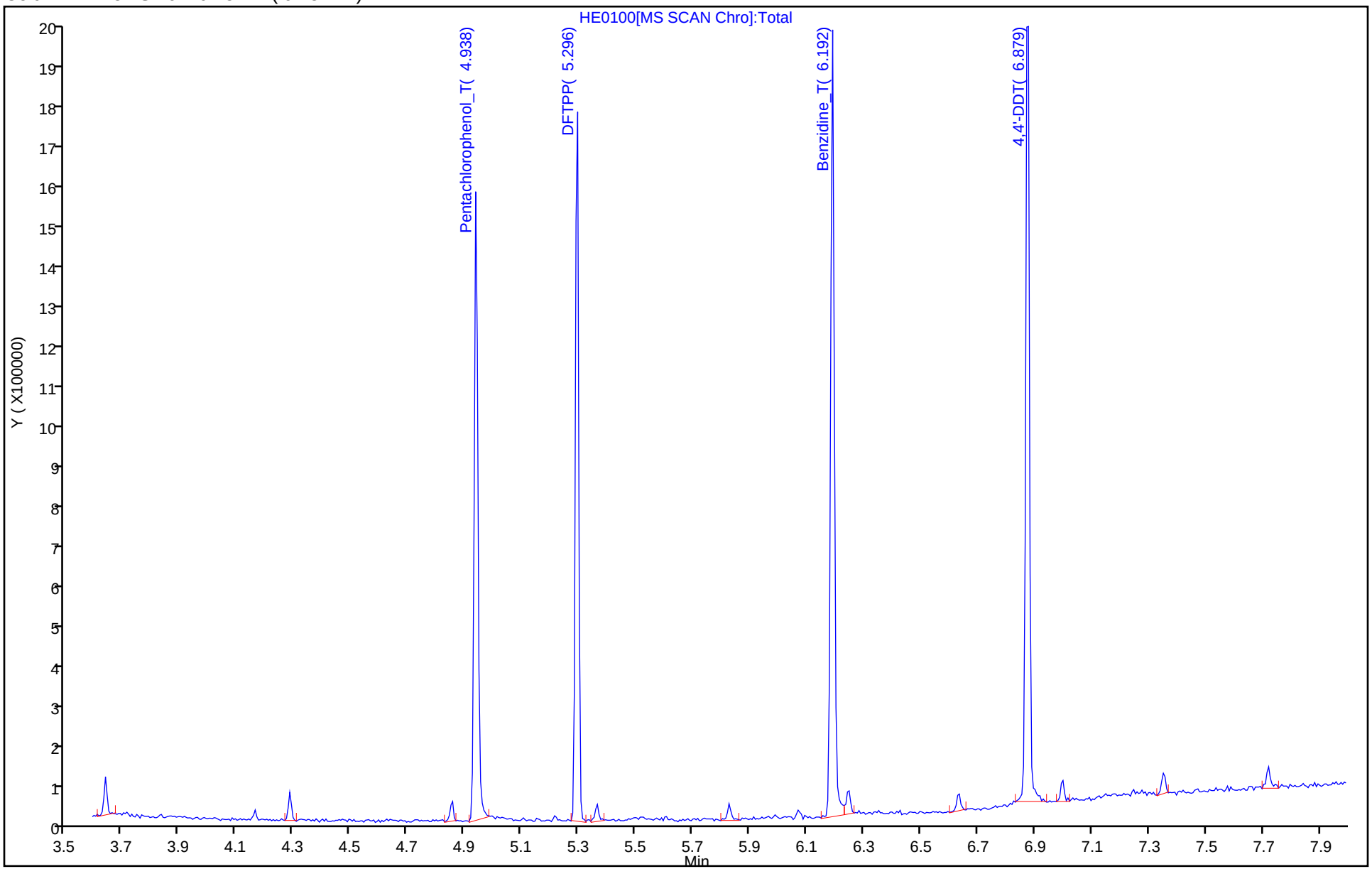
Report Date: 01-May-2025 21:47:59 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0100.D

Injection Date:	01-May-2025 09:21:30	Instrument ID:	HP18831	Operator ID:	CJS101602
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)

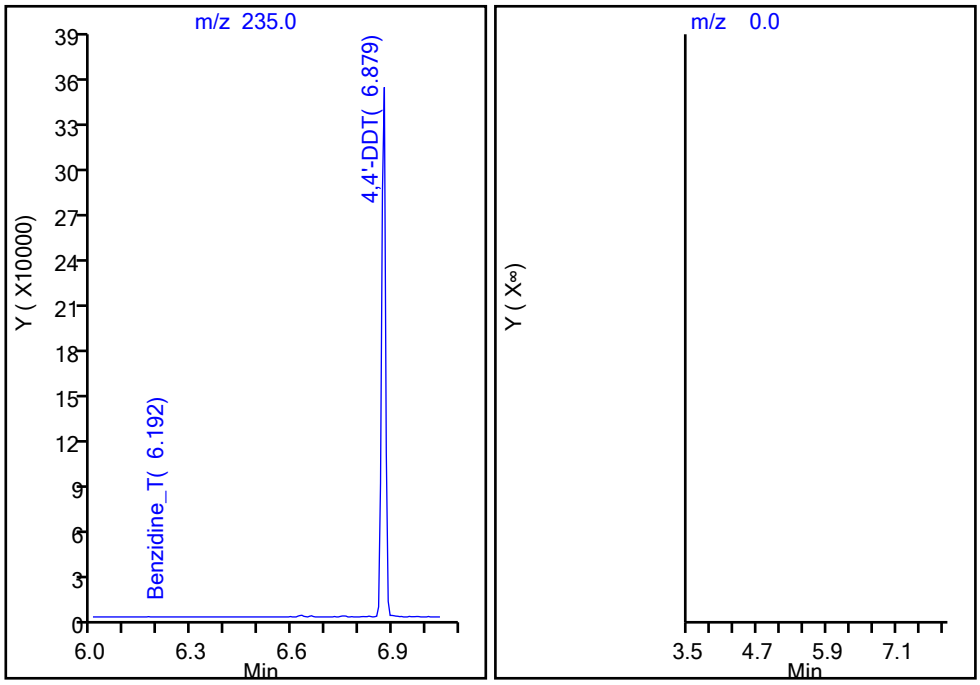


Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0100.D				
Injection Date:	01-May-2025 09:21:30	Instrument ID:	HP18831		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

181 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 292289
179 4,4'-DDD, Area = 0
180 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

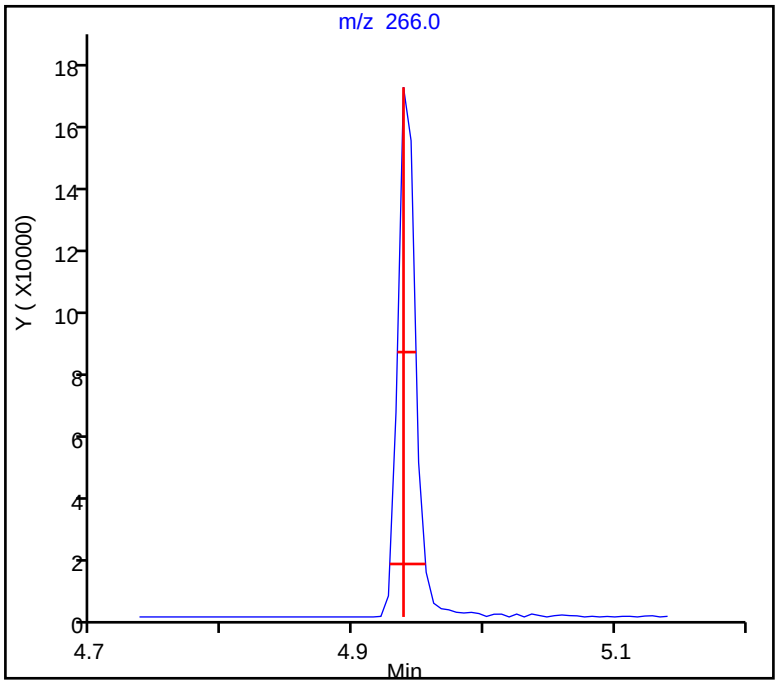
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0100.D
Injection Date: 01-May-2025 09:21:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.55, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

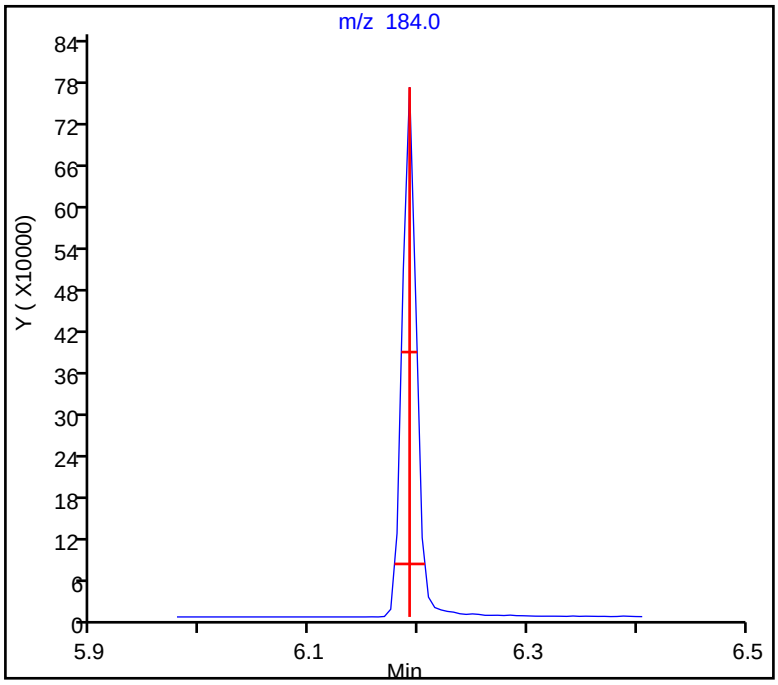
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250501-145811.b\HE0100.D
Injection Date: 01-May-2025 09:21:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0550a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 05-Jun-2025 21:05:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: IR93211 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 00:40:23 Calib Date: 05-Jun-2025 22:10:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0553.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1665

First Level Reviewer: N5QU Date: 05-Jun-2025 21:16:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	4.719	4.719	0.000	94	106015	NR	NR	
14 Benzidine_T	184	5.966	5.966	0.000	99	439121	NR	NR	
178 DFTPP									
180 4,4'-DDE	246	6.122	6.122	0.000	1	404		NR	a
179 4,4'-DDD	235	6.423	6.423	0.000	53	1815		NR	
181 4,4'-DDT	235	6.642	6.642	0.000	99	253803	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

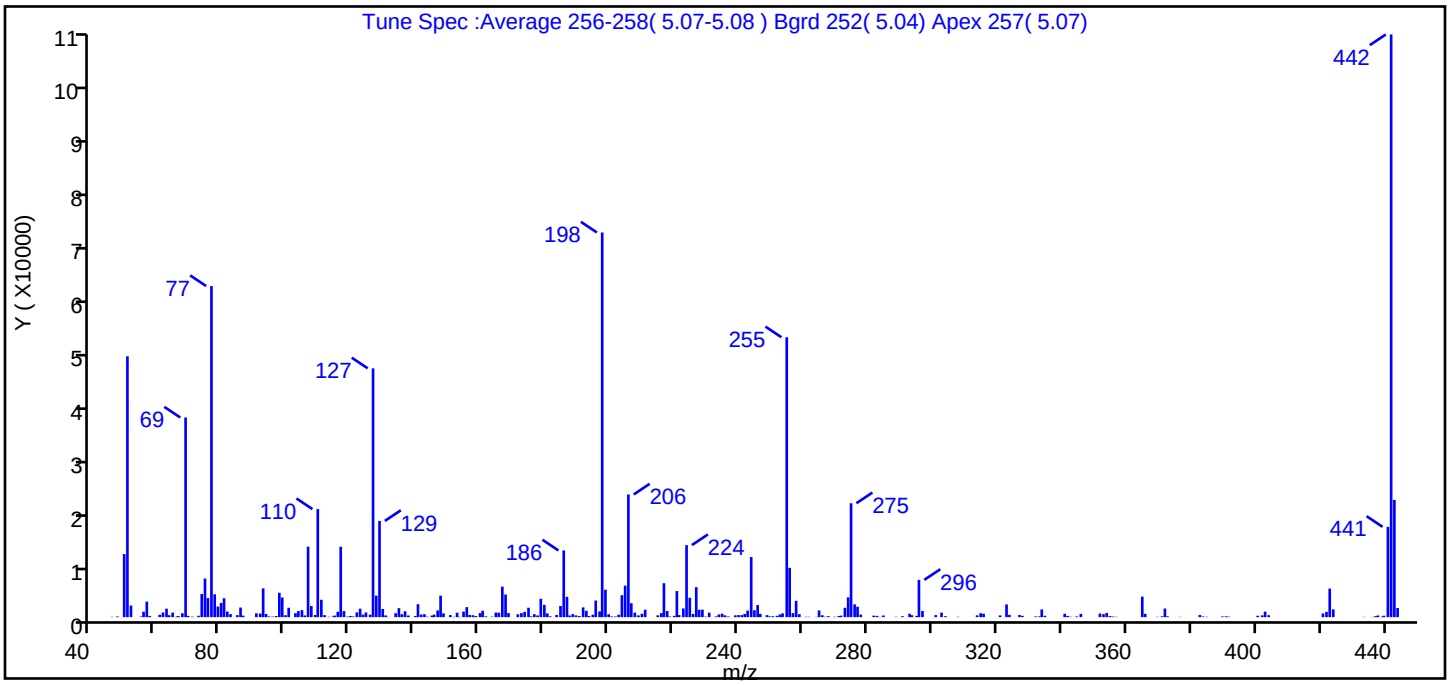
MSS_RVDFTPP_00017 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0550a.D				
Injection Date:	05-Jun-2025 21:05:30	Instrument ID:	HP18831		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Tune Method:	DFTPP Method 8270D, BP 198				

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (66.0)
51	10-80% of the base peak	67.8
68	<2% of mass 69	1.0 (1.9)
69	Present	51.9
70	<2% of mass 69	0.3 (0.6)
127	10-80% of the base peak	64.7
197	<2% of mass 198	1.5
199	5-9% of mass 198	7.1
275	10-60% of the base peak	29.6
365	>1% of mass 198	5.3
441	present but <24% of mass 442	23.5 (15.5)
442	base peak, or >50% of 198	151.5
443	15-24% of mass 442	30.5 (20.1)

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0550a.D\MSSemi_HP18831.rslt\spectra
Injection Date: 05-Jun-2025 21:05:30
Spectrum: Tune Spec :Average 256-258(5.07-5.08) Bgrd 252(5.04) Apex 257(5.07)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 275

m/z	Y	m/z	Y	m/z	Y	m/z	Y
46.00	59	127.00	45784	202.00	119	283.00	230
48.00	135	128.00	3962	203.00	448	284.00	51
50.00	11603	129.00	17704	204.00	4032	285.00	307
51.00	48000	130.00	1503	205.00	5798	289.00	70
52.00	2131	131.00	312	206.00	22576	291.00	176
55.00	113	132.00	50	207.00	2561	293.00	618
56.00	998	134.00	723	208.00	825	294.00	354
57.00	2858	135.00	1648	209.00	316	295.00	233
58.00	221	136.00	537	210.00	630	296.00	6855
61.00	441	137.00	1086	211.00	1362	297.00	1136
62.00	855	138.00	302	215.00	337	301.00	379
63.00	1559	140.00	216	216.00	743	303.00	836
64.00	360	141.00	2378	217.00	6243	304.00	182
65.00	830	142.00	472	218.00	1135	308.00	67
66.00	132	143.00	544	219.00	114	314.00	334
67.00	178	144.00	81	220.00	230	315.00	717
68.00	714	145.00	288	221.00	4802	316.00	640
69.00	36736	146.00	465	222.00	382	321.00	319
70.00	234	147.00	1232	223.00	1597	323.00	2342
71.00	88	148.00	3958	224.00	13257	324.00	420
73.00	256	149.00	698	225.00	3567	327.00	395
74.00	4258	150.00	10	226.00	585	328.00	247
75.00	7112	151.00	380	227.00	5523	332.00	129
76.00	3509	152.00	64	228.00	1352	333.00	142
77.00	60928	153.00	816	229.00	1378	334.00	1420
78.00	4210	154.00	68	230.00	100	335.00	257
79.00	1950	155.00	1020	231.00	826	341.00	616
80.00	2621	156.00	1836	233.00	135	342.00	225
81.00	3483	157.00	415	234.00	491	343.00	75
82.00	1022	158.00	356	235.00	633	345.00	140
83.00	558	159.00	205	236.00	331	346.00	607
85.00	365	160.00	744	237.00	120	352.00	671
86.00	1761	161.00	1173	239.00	336	353.00	546

Report Date: 06-Jun-2025 00:40:23 Chrom Revision: 2.3 04-Jun-2025 17:32:36
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0550a.D\MSSemi_HP18831.rslt\spectra
Injection Date: 05-Jun-2025 21:05:30
Spectrum: Tune Spec :Average 256-258(5.07-5.08) Bgrd 252(5.04) Apex 257(5.07)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 275

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	274	162.00	157	240.00	377	354.00	772
91.00	701	164.00	98	241.00	374	355.00	196
92.00	658	165.00	849	242.00	595	356.00	115
93.00	5293	166.00	824	243.00	1197	357.00	61
94.00	588	167.00	5620	244.00	11061	365.00	3779
95.00	138	168.00	4164	245.00	1265	366.00	608
96.00	94	169.00	748	246.00	2225	370.00	60
97.00	216	172.00	529	247.00	607	371.00	149
98.00	4484	173.00	738	249.00	373	372.00	1584
99.00	3620	174.00	975	250.00	144	373.00	158
100.00	356	175.00	1735	251.00	174	377.00	52
101.00	1724	176.00	145	252.00	251	383.00	395
103.00	724	177.00	545	253.00	489	384.00	127
104.00	1124	178.00	310	254.00	697	385.00	70
105.00	1290	179.00	3373	255.00	51504	390.00	129
106.00	314	180.00	2252	256.00	9074	391.00	151
107.00	12958	181.00	691	257.00	738	392.00	102
108.00	2048	182.00	160	258.00	3006	401.00	254
109.00	395	184.00	404	259.00	540	402.00	320
110.00	19880	185.00	2057	261.00	69	403.00	1022
111.00	3195	186.00	12276	262.00	63	404.00	361
112.00	370	187.00	3732	264.00	52	421.00	676
113.00	70	188.00	303	265.00	1229	422.00	970
115.00	109	189.00	561	266.00	347	423.00	5258
115.00	289	190.00	335	267.00	77	424.00	1427
116.00	988	191.00	219	268.00	178	434.00	55
117.00	12957	192.00	1796	270.00	77	436.00	53
118.00	1122	193.00	1155	271.00	213	437.00	188
119.00	104	194.00	207	272.00	277	438.00	307
120.00	213	195.00	441	273.00	1718	439.00	128
121.00	124	196.00	3055	274.00	3646	440.00	260
122.00	880	197.00	1055	275.00	20960	441.00	16616
123.00	1555	198.00	70784	276.00	2356	442.00	107216
124.00	464	199.00	5050	277.00	1915	443.00	21576

Report Date: 06-Jun-2025 00:40:23 Chrom Revision: 2.3 04-Jun-2025 17:32:36
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0550a.D\MSSemi_HP18831.rslt\spectra
Injection Date: 05-Jun-2025 21:05:30
Spectrum: Tune Spec :Average 256-258(5.07-5.08) Bgrd 252(5.04) Apex 257(5.07)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 275

m/z	Y	m/z	Y	m/z	Y	m/z	Y
125.00	867	200.00	530	278.00	475	444.00	1681
126.00	461	201.00	129	282.00	276		

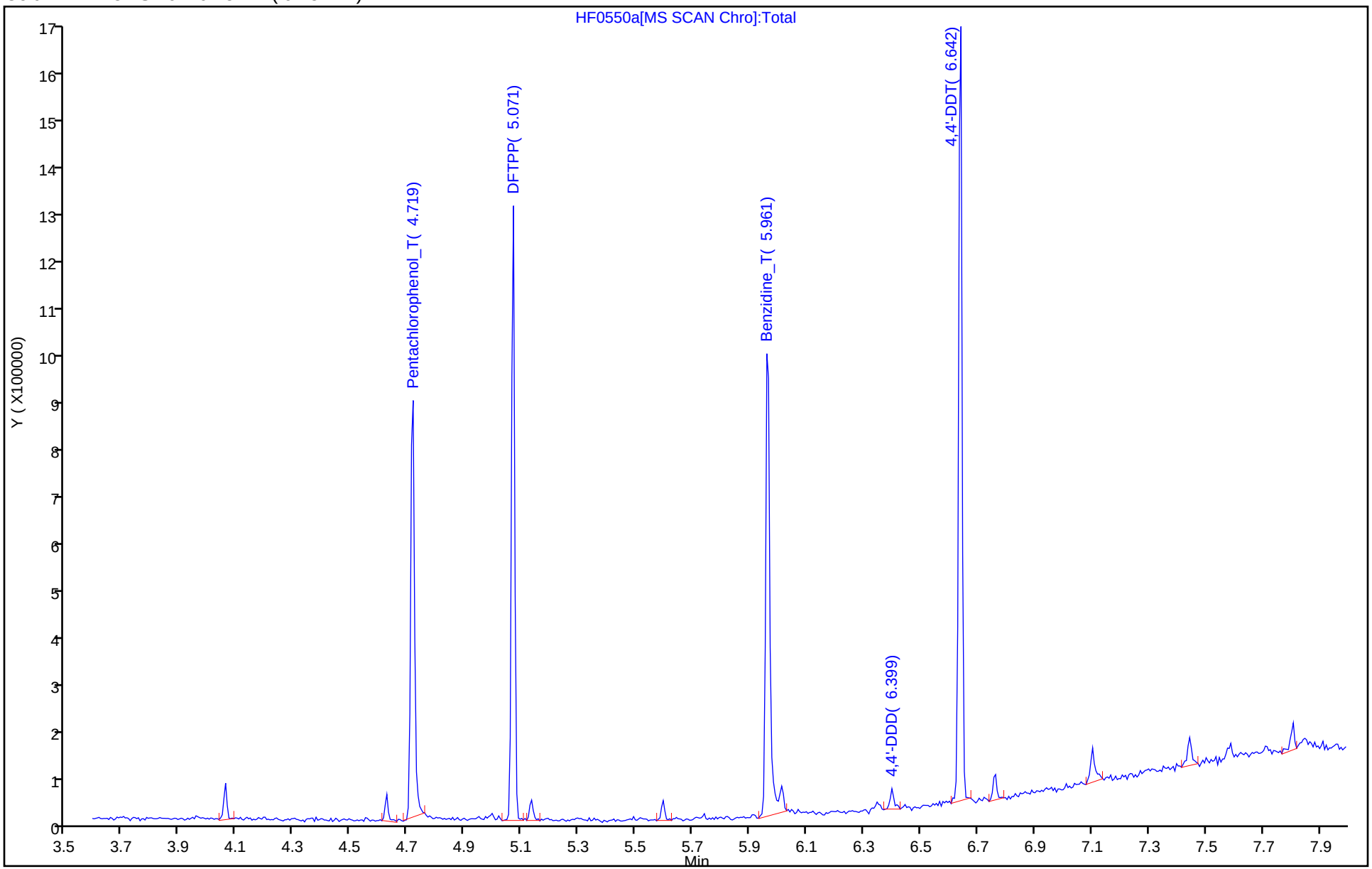
Report Date: 06-Jun-2025 00:40:23 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0550a.D

Injection Date:	05-Jun-2025 21:05:30	Instrument ID:	HP18831	Operator ID:	IR93211
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0550a.D				
Injection Date:	05-Jun-2025 21:05:30	Instrument ID:	HP18831		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

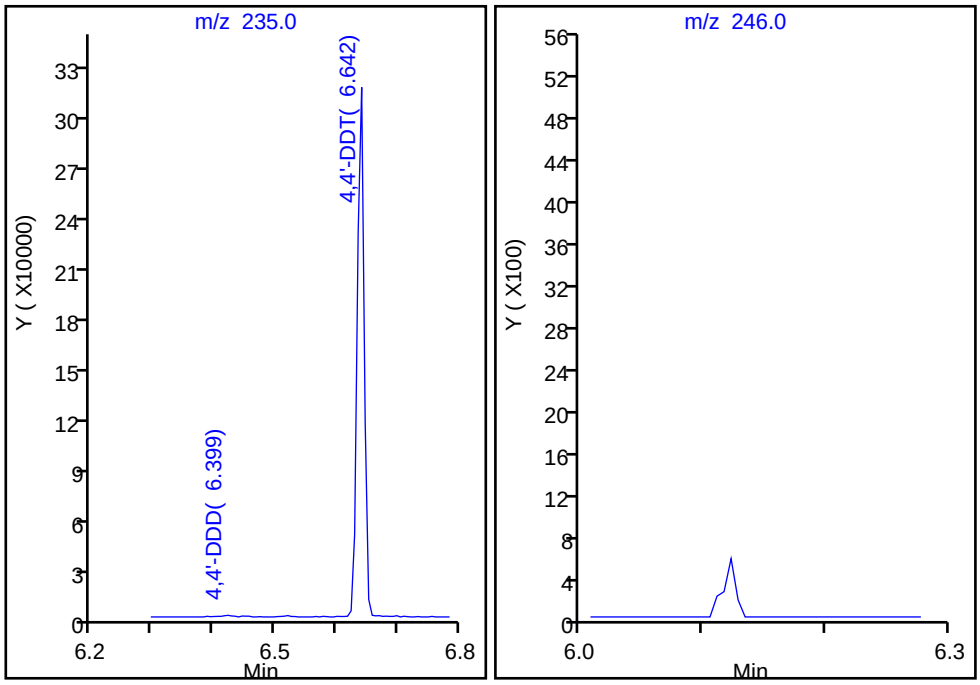
181 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 253803
179 4,4'-DDD, Area = 1815
180 4,4'-DDE, Area = 404

%Breakdown: 0.87%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

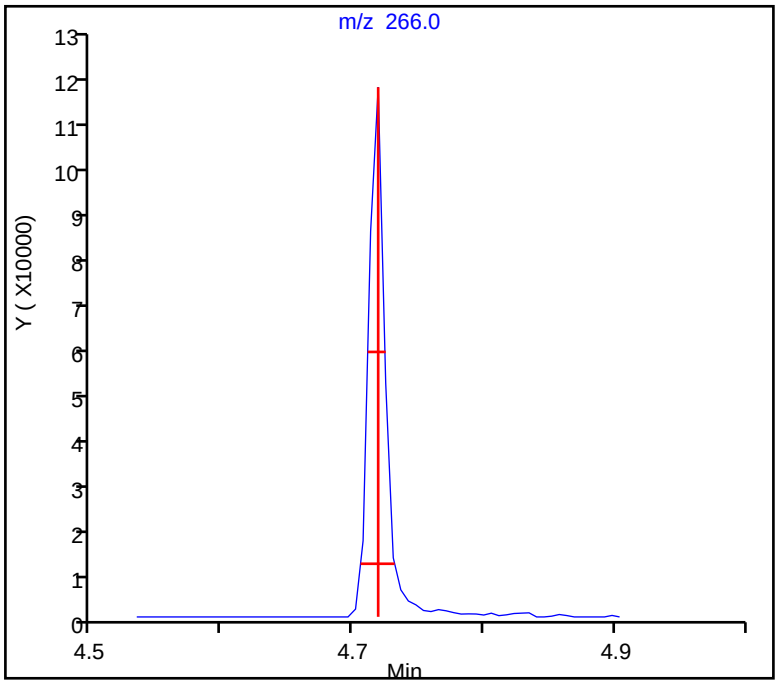
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0550a.D
Injection Date: 05-Jun-2025 21:05:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

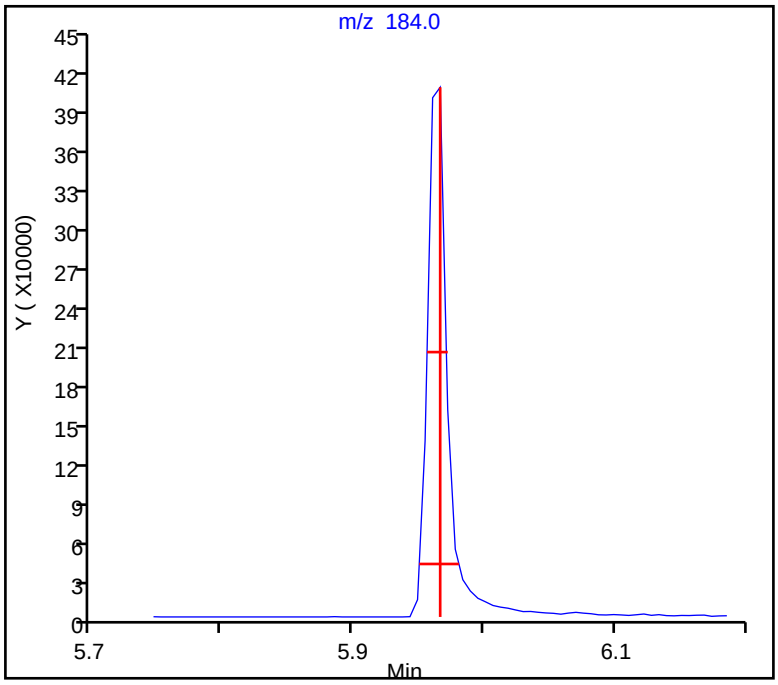
Data File: \\chromfs\Lancaster\ChromData\HP18831\20250605-149487.b\HF0550a.D
Injection Date: 05-Jun-2025 21:05:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.88, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0950.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 09-Apr-2025 20:45:35 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: IR93211 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 09-Apr-2025 22:29:46 Calib Date: 03-Apr-2025 13:05:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250403-142856.b\DD0308.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: N5QU Date: 09-Apr-2025 21:00:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 Pentachlorophenol_T	266	4.898	4.898	0.000	93	369740	NR	NR	
57 Benzidine_T	184	6.099	6.099	0.000	99	1708406	NR	NR	a
243 DFTPP									
244 4,4'-DDE	246	6.239	6.239	0.000	51	1183		NR	
245 4,4'-DDD	235	6.536	6.536	0.000	14	3085		NR	
246 4,4'-DDT	235	6.746	6.746	0.000	98	908950	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

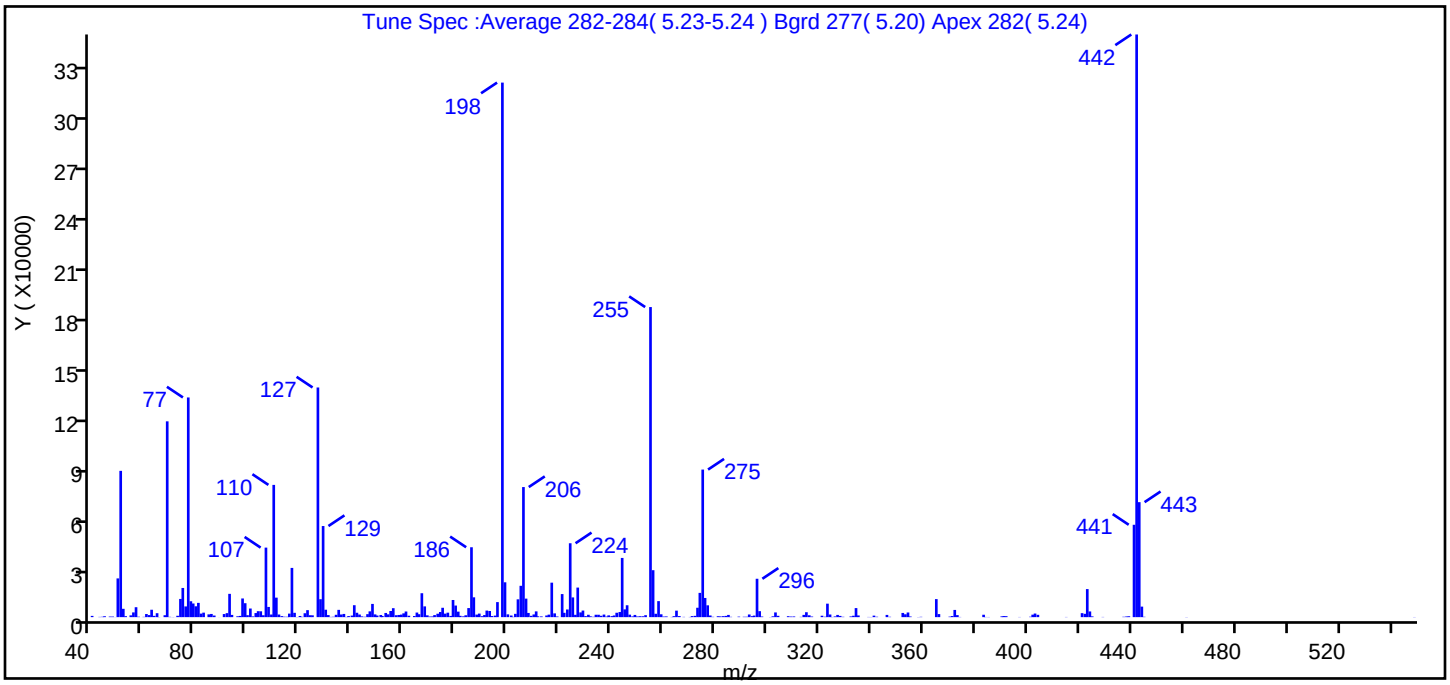
MSS_RVDFTPP_00017 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0950.D
Injection Date: 09-Apr-2025 20:45:35 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

243 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (91.7)
51	10-80% of the base peak	27.4
68	<2% of mass 69	0.4 (1.0)
69	Present	36.6
70	<2% of mass 69	0.1 (0.2)
127	10-80% of the base peak	43.0
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.5
275	10-60% of the base peak	27.6
365	>1% of mass 198	3.4
441	present but <24% of mass 442	17.3 (15.9)
442	base peak, or >50% of 198	109.0
443	15-24% of mass 442	21.5 (19.7)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0950.D\MSSemi_HP19760.rslt\spectra
Injection Date: 09-Apr-2025 20:45:35
Spectrum: Tune Spec :Average 282-284(5.23-5.24) Bgrd 277(5.20) Apex 282(5.24)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
40.00	742	128.00	10579	208.00	2475	296.00	22664
43.00	150	129.00	53800	209.00	780	297.00	3529
44.00	237	130.00	4381	210.00	1591	298.00	359
45.00	536	131.00	1224	211.00	3402	301.00	85
47.00	345	132.00	150	212.00	480	302.00	489
48.00	340	133.00	232	213.00	423	303.00	2779
49.00	43	134.00	1382	215.00	967	304.00	790
50.00	22872	135.00	4302	216.00	1473	308.00	549
51.00	86384	136.00	1569	217.00	20360	309.00	355
52.00	4925	137.00	1891	218.00	2223	310.00	401
53.00	576	138.00	135	219.00	386	313.00	165
55.00	1051	139.00	624	221.00	13626	314.00	1337
56.00	2797	140.00	918	222.00	2556	315.00	2904
57.00	5865	141.00	7046	223.00	4531	316.00	1098
58.00	256	142.00	2589	224.00	43632	317.00	357
59.00	13	143.00	1548	225.00	11646	321.00	830
60.00	174	144.00	438	226.00	1376	322.00	254
61.00	1840	145.00	229	227.00	17456	323.00	7959
62.00	1213	146.00	1760	228.00	2799	324.00	1557
63.00	4366	147.00	3421	229.00	3887	325.00	100
64.00	765	148.00	7810	230.00	612	326.00	422
65.00	2326	149.00	1623	231.00	1402	327.00	1309
66.00	83	150.00	949	232.00	499	328.00	730
68.00	1130	151.00	1272	233.00	221	329.00	206
69.00	115624	152.00	670	234.00	1418	332.00	427
70.00	174	153.00	2471	235.00	1412	333.00	829
71.00	64	154.00	1654	236.00	805	334.00	5345
72.00	32	155.00	3624	237.00	1525	335.00	998
73.00	805	156.00	5288	238.00	350	339.00	119
74.00	10742	157.00	1137	239.00	1043	340.00	93
75.00	17232	158.00	1287	240.00	600	341.00	892
76.00	6331	159.00	1495	241.00	974	342.00	240
77.00	129728	160.00	2234	242.00	2593	346.00	1315

Report Date: 09-Apr-2025 22:29:47 Chrom Revision: 2.3 08-Apr-2025 13:07:20
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0950.D\MSSemi_HP19760.rslt\spectra
Injection Date: 09-Apr-2025 20:45:35
Spectrum: Tune Spec :Average 282-284(5.23-5.24) Bgrd 277(5.20) Apex 282(5.24)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	9380	161.00	3330	243.00	3015	347.00	204
79.00	8056	162.00	835	244.00	34960	352.00	2481
80.00	6403	164.00	664	245.00	4584	353.00	1685
81.00	8430	165.00	2708	246.00	7013	354.00	2748
82.00	2089	166.00	1722	247.00	1472	355.00	380
83.00	2657	167.00	14123	248.00	445	358.00	85
85.00	1634	168.00	6351	249.00	1308	359.00	191
86.00	1880	169.00	1066	250.00	395	365.00	10651
87.00	942	170.00	365	251.00	540	366.00	1798
89.00	32	171.00	421	252.00	519	370.00	306
91.00	1827	172.00	1215	253.00	1151	371.00	644
92.00	2363	173.00	2027	255.00	183104	372.00	4262
93.00	13755	174.00	3028	256.00	27720	373.00	1190
94.00	1321	175.00	5530	257.00	1990	374.00	116
96.00	504	176.00	2065	258.00	9460	383.00	1417
97.00	724	177.00	2635	259.00	1686	384.00	119
98.00	11029	178.00	730	260.00	338	385.00	99
99.00	8229	179.00	10127	261.00	410	390.00	462
100.00	1160	180.00	6845	263.00	113	391.00	638
101.00	5092	181.00	3251	264.00	567	392.00	574
102.00	429	182.00	778	265.00	3835	397.00	106
103.00	2411	183.00	477	266.00	627	401.00	246
104.00	3510	184.00	1099	268.00	152	402.00	1465
105.00	3450	185.00	5352	270.00	113	403.00	2131
106.00	1115	186.00	41272	271.00	617	404.00	1375
107.00	41056	187.00	11705	272.00	761	415.00	109
108.00	6026	188.00	1504	273.00	5547	421.00	2352
109.00	1550	189.00	2099	274.00	14326	422.00	1963
110.00	78096	190.00	559	275.00	87136	423.00	16568
111.00	11519	191.00	1232	276.00	11325	424.00	3366
112.00	1547	192.00	3876	277.00	6977	425.00	451
113.00	595	193.00	3630	278.00	982	429.00	120
114.00	264	194.00	655	279.00	190	437.00	221
115.00	233	195.00	894	281.00	544	438.00	403

Report Date: 09-Apr-2025 22:29:47 Chrom Revision: 2.3 08-Apr-2025 13:07:20
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0950.D\MSSemi_HP19760.rslt\spectra
Injection Date: 09-Apr-2025 20:45:35
Spectrum: Tune Spec :Average 282-284(5.23-5.24) Bgrd 277(5.20) Apex 282(5.24)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	2085	196.00	8881	282.00	437	439.00	526
117.00	29072	198.00	315648	283.00	581	441.00	54544
118.00	2556	199.00	20576	284.00	741	442.00	344064
119.00	84	200.00	1643	285.00	1319	443.00	67896
120.00	686	201.00	954	286.00	186	444.00	6213
121.00	179	202.00	165	289.00	306	445.00	210
122.00	2300	203.00	1951	291.00	227	461.00	84
123.00	4124	204.00	10517	292.00	238	549.00	88
124.00	1124	205.00	18504	293.00	1567		
125.00	1071	206.00	76816	294.00	574		
127.00	135616	207.00	10936	295.00	909		

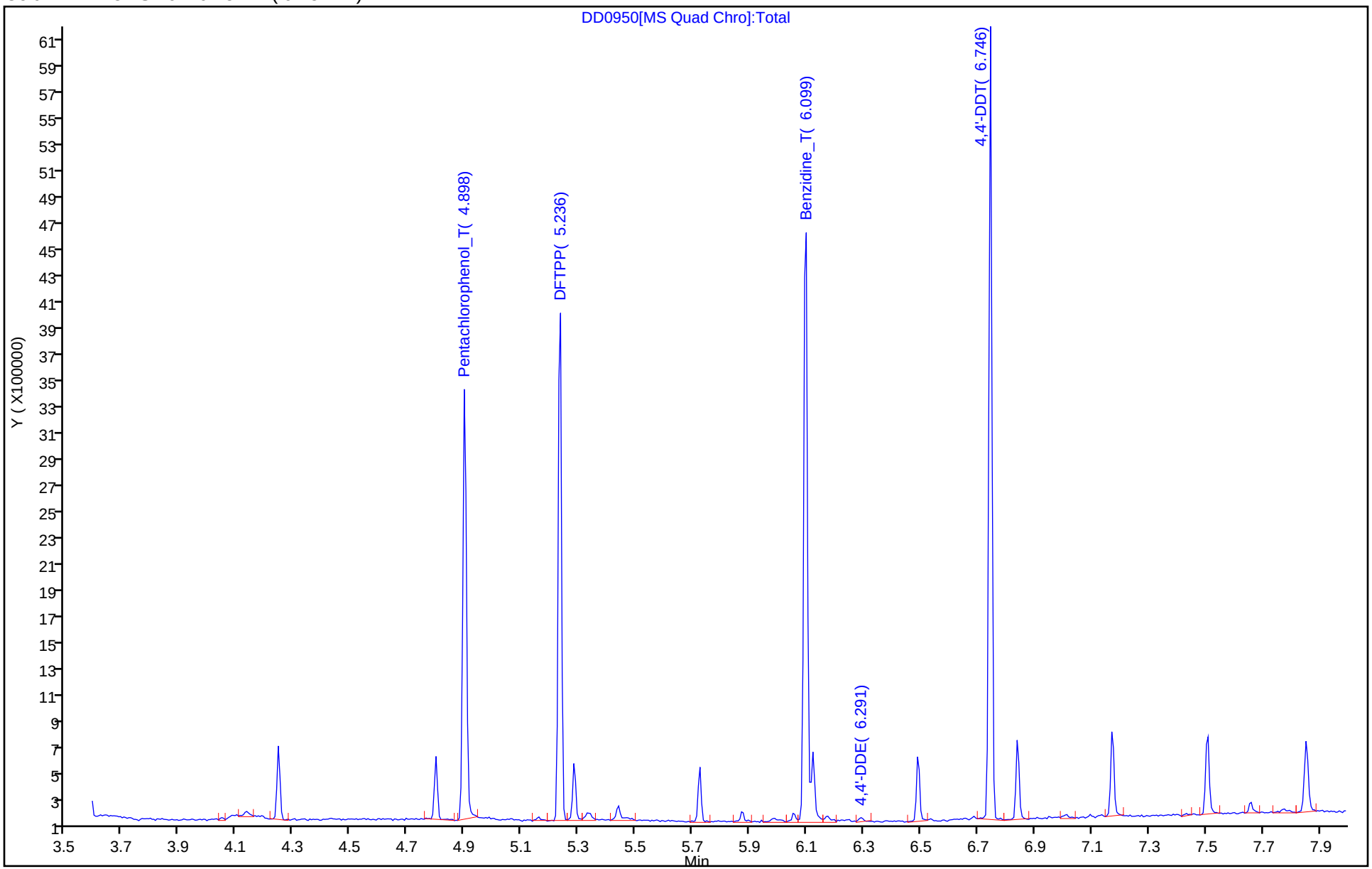
Report Date: 09-Apr-2025 22:29:47 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0950.D

Injection Date:	09-Apr-2025 20:45:35	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0950.D
Injection Date: 09-Apr-2025 20:45:35 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

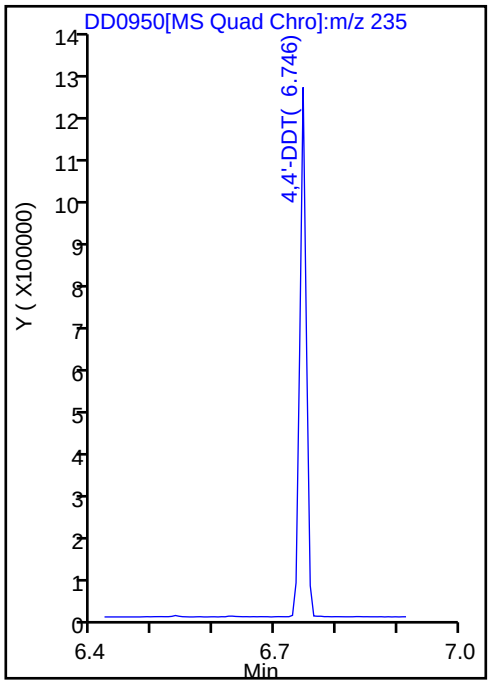
246 4,4'-DDT, Detector: MS Quad

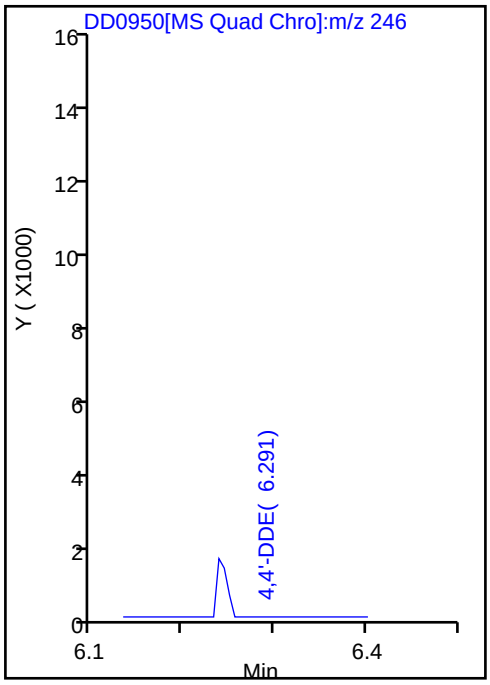
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 908950
245 4,4'-DDD, Area = 3085
244 4,4'-DDE, Area = 1183

%Breakdown: 0.47%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

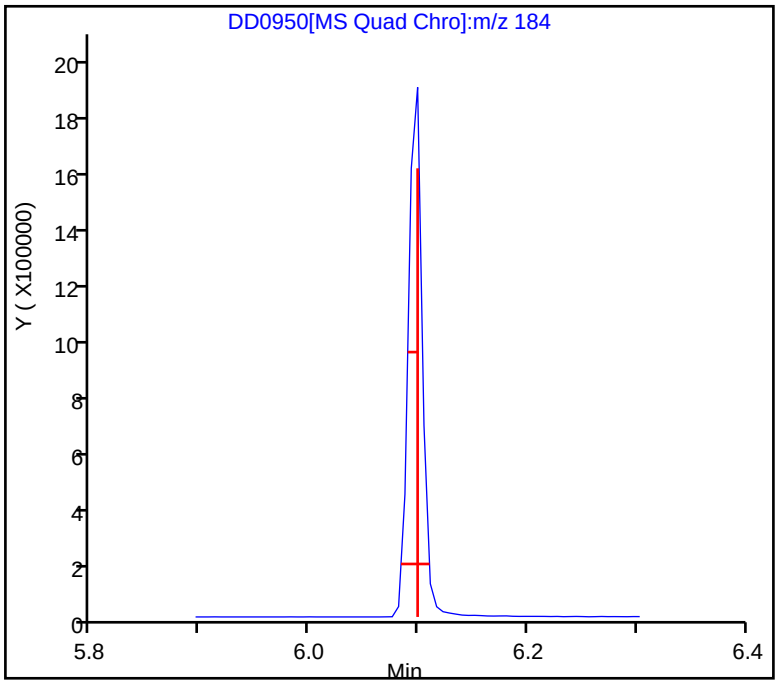
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0950.D
Injection Date: 09-Apr-2025 20:45:35 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.73, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

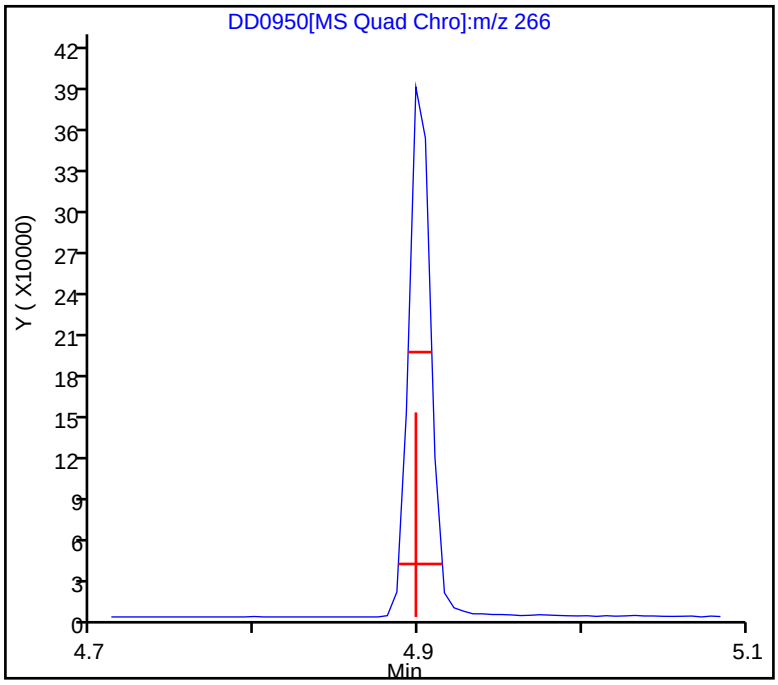
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250409-143567.b\DD0950.D
Injection Date: 09-Apr-2025 20:45:35 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.45, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3050.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 30-May-2025 21:55:03 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: IR93211 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 01-Jun-2025 12:49:06 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: N5QU Date: 30-May-2025 22:06:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 Pentachlorophenol_T	266	4.683	4.683	0.000	91	248911	NR	NR	
57 Benzidine_T	184	5.889	5.889	0.000	99	1252977	NR	NR	
243 DFTPP									
244 4,4'-DDE	246	6.035	6.035	0.000	81	1094		NR	
245 4,4'-DDD	235	6.309	6.309	0.000	53	703		NR	
246 4,4'-DDT	235	6.554	6.554	0.000	98	617582	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

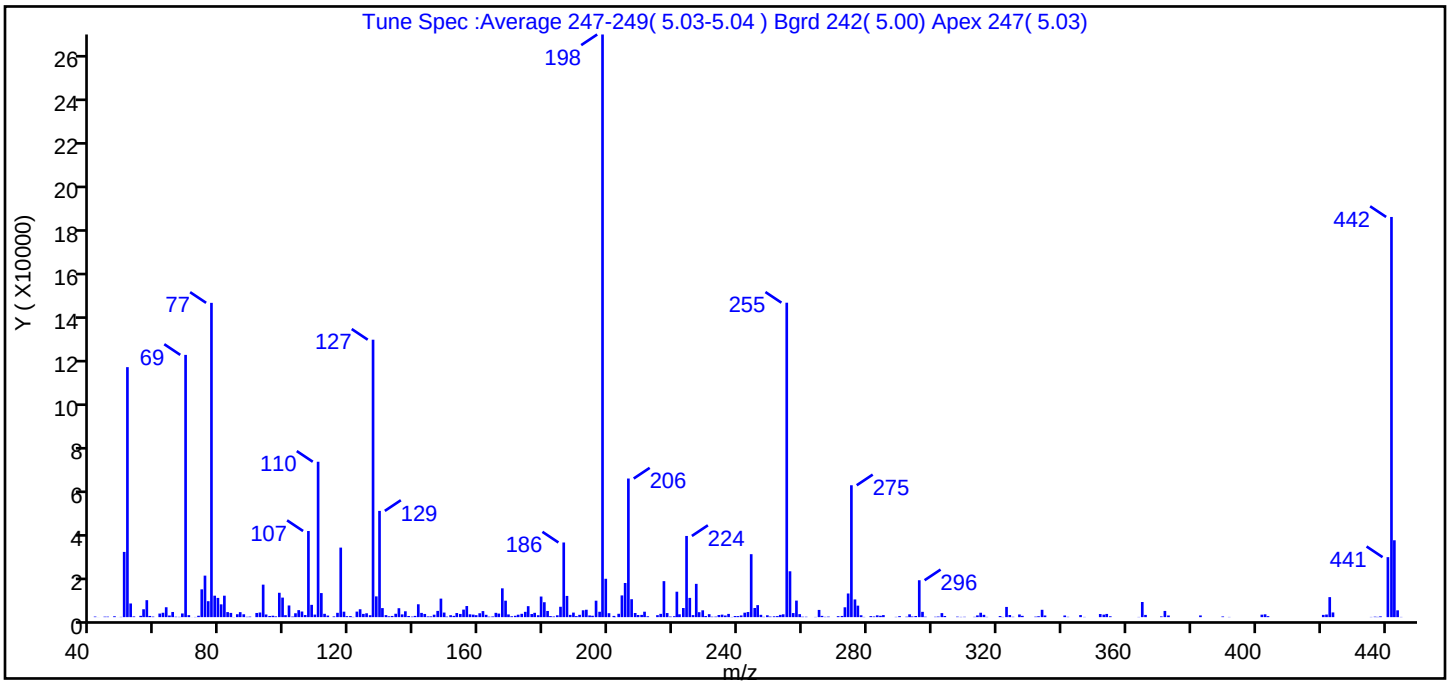
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3050.D
Injection Date: 30-May-2025 21:55:03 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

243 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (145.6)
51	10-80% of the base peak	42.9
68	<2% of mass 69	0.6 (1.4)
69	Present	45.0
70	<2% of mass 69	0.3 (0.7)
127	10-80% of the base peak	47.6
197	<2% of mass 198	0.9
199	5-9% of mass 198	6.6
275	10-60% of the base peak	22.6
365	>1% of mass 198	2.6
441	present but <24% of mass 442	10.3 (15.0)
442	base peak, or >50% of 198	68.7
443	15-24% of mass 442	13.2 (19.2)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3050.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 30-May-2025 21:55:03
Spectrum: Tune Spec :Average 247-249(5.03-5.04) Bgrd 242(5.00) Apex 247(5.03)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 297

m/z	Y	m/z	Y	m/z	Y	m/z	Y
41.00	266	122.00	2547	197.00	2474	278.00	864
42.00	23	123.00	3627	198.00	267904	279.00	107
44.00	230	124.00	1491	199.00	17640	281.00	473
45.00	230	125.00	1771	200.00	1814	282.00	307
47.00	408	126.00	883	202.00	567	283.00	834
48.00	15	127.00	127568	202.00	177	284.00	628
49.00	122	128.00	9549	203.00	1548	285.00	940
50.00	29992	129.00	48856	204.00	9991	289.00	119
51.00	114944	130.00	4161	205.00	15705	290.00	469
52.00	6288	131.00	924	206.00	63736	292.00	201
53.00	339	132.00	384	207.00	8243	293.00	1300
55.00	601	133.00	549	208.00	1908	294.00	307
56.00	3624	134.00	1554	209.00	987	295.00	516
57.00	7802	135.00	4107	210.00	1033	296.00	16968
58.00	548	136.00	1270	211.00	2499	297.00	2440
59.00	264	137.00	2698	212.00	393	298.00	210
61.00	1643	138.00	531	215.00	910	301.00	181
62.00	2020	139.00	249	216.00	1508	302.00	270
63.00	4554	140.00	571	217.00	16552	303.00	1859
64.00	755	141.00	5920	218.00	1883	304.00	522
65.00	2377	142.00	1956	219.00	276	308.00	240
66.00	195	143.00	1464	220.00	431	309.00	112
67.00	133	144.00	340	221.00	11696	310.00	160
68.00	1693	145.00	342	222.00	1307	313.00	143
69.00	120584	146.00	1122	223.00	4187	314.00	804
70.00	904	147.00	2870	224.00	37328	315.00	2023
71.00	21	148.00	8520	225.00	8853	316.00	1059
72.00	90	149.00	2105	226.00	931	317.00	122
73.00	638	150.00	242	227.00	15307	321.00	499
74.00	12787	151.00	895	228.00	2280	322.00	96
75.00	19088	152.00	589	229.00	3139	323.00	4694
76.00	7336	153.00	1896	230.00	507	324.00	981
77.00	144512	154.00	1468	231.00	1365	325.00	170

Report Date: 01-Jun-2025 12:49:06 Chrom Revision: 2.3 07-May-2025 18:53:14
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3050.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 30-May-2025 21:55:03
Spectrum: Tune Spec :Average 247-249(5.03-5.04) Bgrd 242(5.00) Apex 247(5.03)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 297

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	9863	155.00	3466	232.00	211	327.00	1232
79.00	8844	156.00	5109	233.00	244	328.00	599
80.00	5884	157.00	1305	234.00	977	332.00	235
81.00	9865	158.00	1161	235.00	1155	333.00	417
82.00	2320	159.00	897	236.00	742	334.00	3379
83.00	1945	160.00	1786	237.00	1488	335.00	752
84.00	58	161.00	2784	238.00	88	341.00	756
85.00	1336	162.00	1070	239.00	511	342.00	148
86.00	2297	163.00	225	240.00	482	346.00	950
87.00	1321	164.00	327	241.00	779	347.00	101
88.00	165	165.00	1978	242.00	2053	352.00	1422
89.00	253	166.00	1641	243.00	2349	353.00	1169
91.00	1922	167.00	13247	244.00	28952	354.00	1479
92.00	2128	168.00	7567	245.00	4213	355.00	393
93.00	14946	169.00	1253	246.00	5527	364.00	95
94.00	1226	170.00	414	247.00	1065	365.00	6962
95.00	535	171.00	625	248.00	140	366.00	1021
96.00	656	172.00	1126	249.00	858	371.00	326
97.00	353	173.00	1533	250.00	263	372.00	2855
98.00	11204	174.00	2438	251.00	378	373.00	756
99.00	8983	175.00	5050	252.00	481	383.00	785
100.00	896	176.00	1431	253.00	1041	390.00	317
101.00	5366	177.00	1988	254.00	1308	392.00	96
102.00	270	178.00	886	255.00	144576	402.00	1141
103.00	1784	179.00	9475	256.00	21088	403.00	1304
104.00	3219	180.00	6860	257.00	1876	404.00	457
105.00	2590	181.00	2831	258.00	7605	421.00	1039
106.00	966	182.00	484	259.00	1383	422.00	1202
107.00	39600	183.00	300	260.00	209	423.00	9203
108.00	5652	184.00	849	261.00	193	424.00	2163
109.00	1173	185.00	4769	264.00	96	436.00	98
110.00	71448	186.00	34328	265.00	3324	437.00	216
111.00	11065	187.00	9756	266.00	583	438.00	116
112.00	1530	188.00	1037	267.00	137	439.00	354

Report Date: 01-Jun-2025 12:49:06 Chrom Revision: 2.3 07-May-2025 18:53:14
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3050.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 30-May-2025 21:55:03
Spectrum: Tune Spec :Average 247-249(5.03-5.04) Bgrd 242(5.00) Apex 247(5.03)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 297

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	727	189.00	2093	268.00	251	441.00	27584
115.00	344	190.00	465	271.00	450	442.00	184000
116.00	1987	191.00	1062	272.00	549	443.00	35344
117.00	31976	192.00	3156	273.00	4528	444.00	3138
118.00	2517	193.00	3405	274.00	10879	445.00	100
119.00	453	194.00	788	275.00	60640		
120.00	493	195.00	642	276.00	8144		
121.00	103	196.00	7564	277.00	5285		

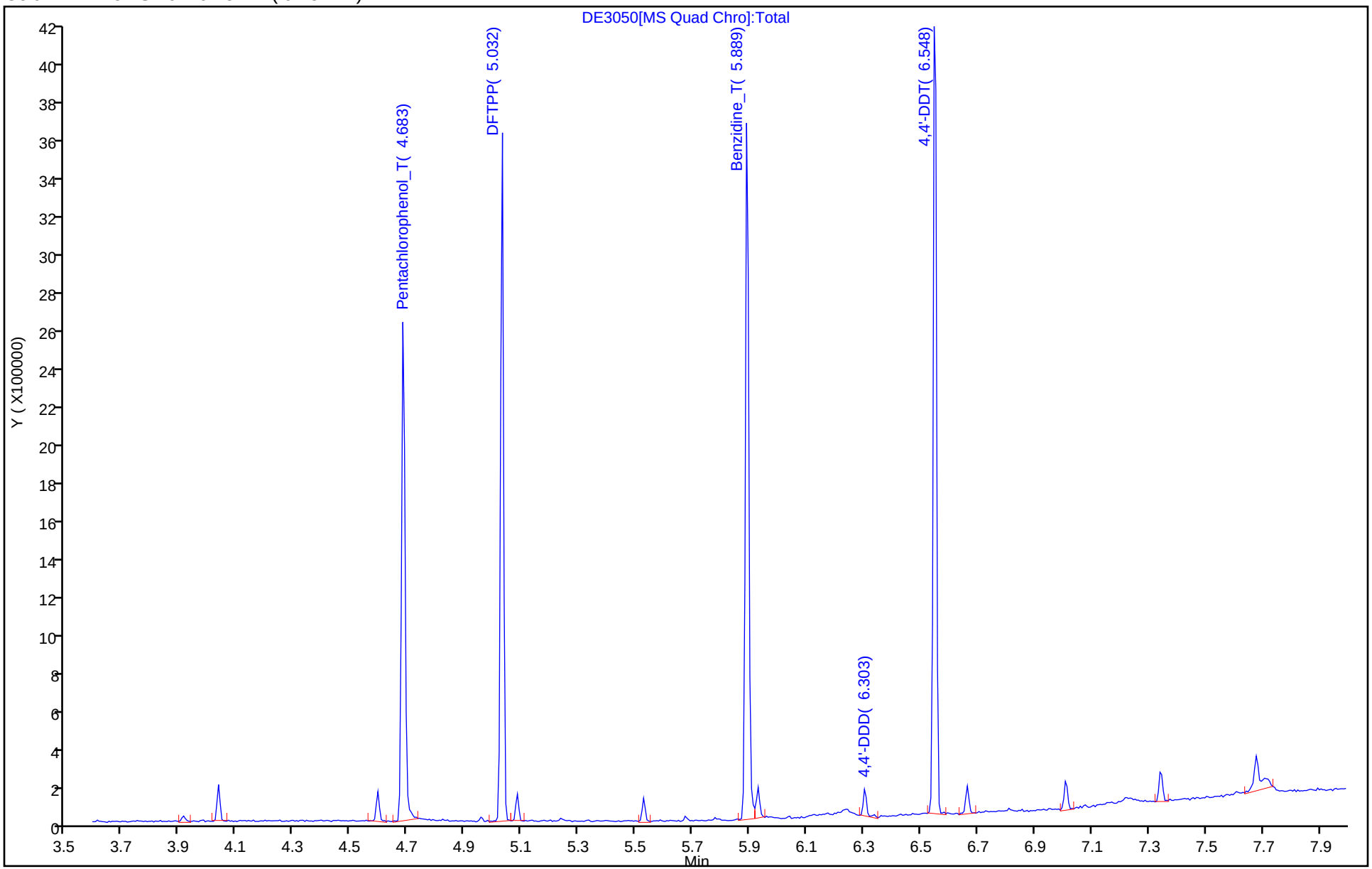
Report Date: 01-Jun-2025 12:49:06 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3050.D

Injection Date:	30-May-2025 21:55:03	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3050.D
Injection Date: 30-May-2025 21:55:03 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

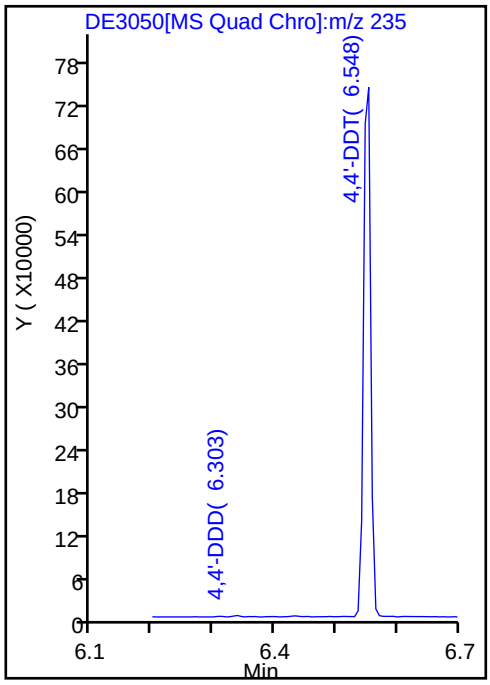
246 4,4'-DDT, Detector: MS Quad

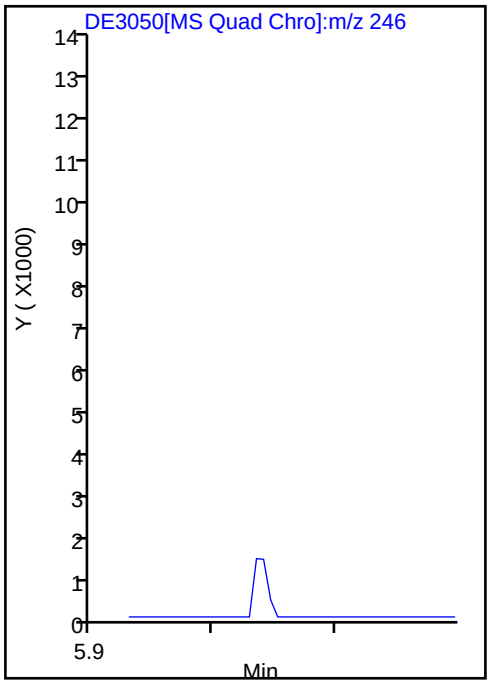
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 617582
245 4,4'-DDD, Area = 703
244 4,4'-DDE, Area = 1094

%Breakdown: 0.29%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

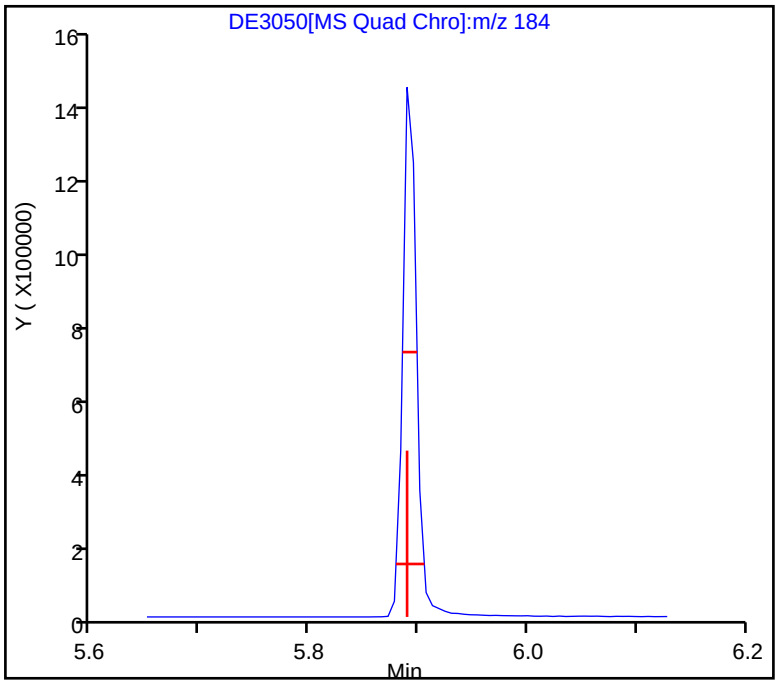
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3050.D
Injection Date: 30-May-2025 21:55:03 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.60, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

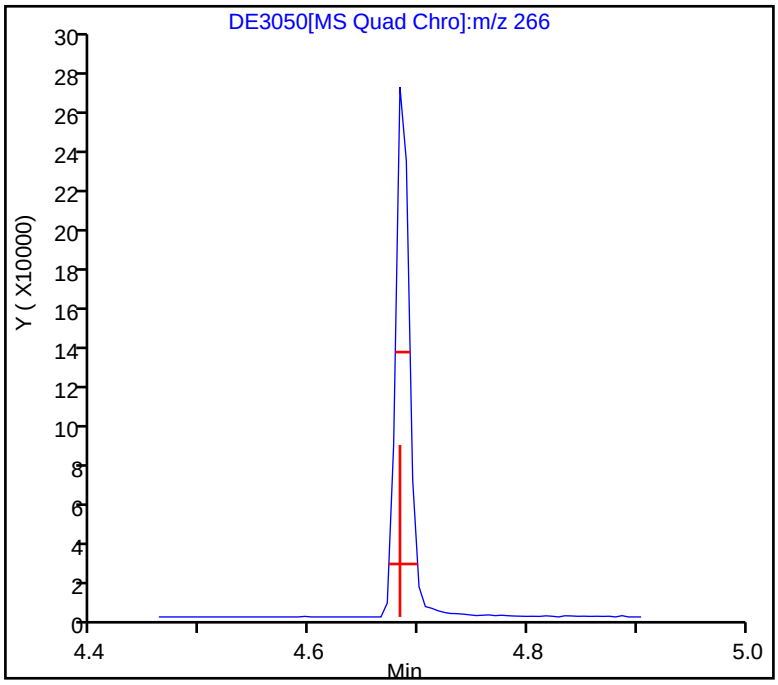
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3050.D
Injection Date: 30-May-2025 21:55:03 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.60, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0500.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 05-Jun-2025 07:15:32 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: CJS101602 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 09:07:36 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: W6ZA Date: 05-Jun-2025 07:26:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 Pentachlorophenol_T	266	4.642	4.642	0.000	91	257537	NR	NR	
57 Benzidine_T	184	5.854	5.854	0.000	99	1020896	NR	NR	
243 DFTPP									
244 4,4'-DDE	246		6.006					ND	U
245 4,4'-DDD	235		6.274					ND	U
246 4,4'-DDT	235	6.513	6.513	0.000	98	657625	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

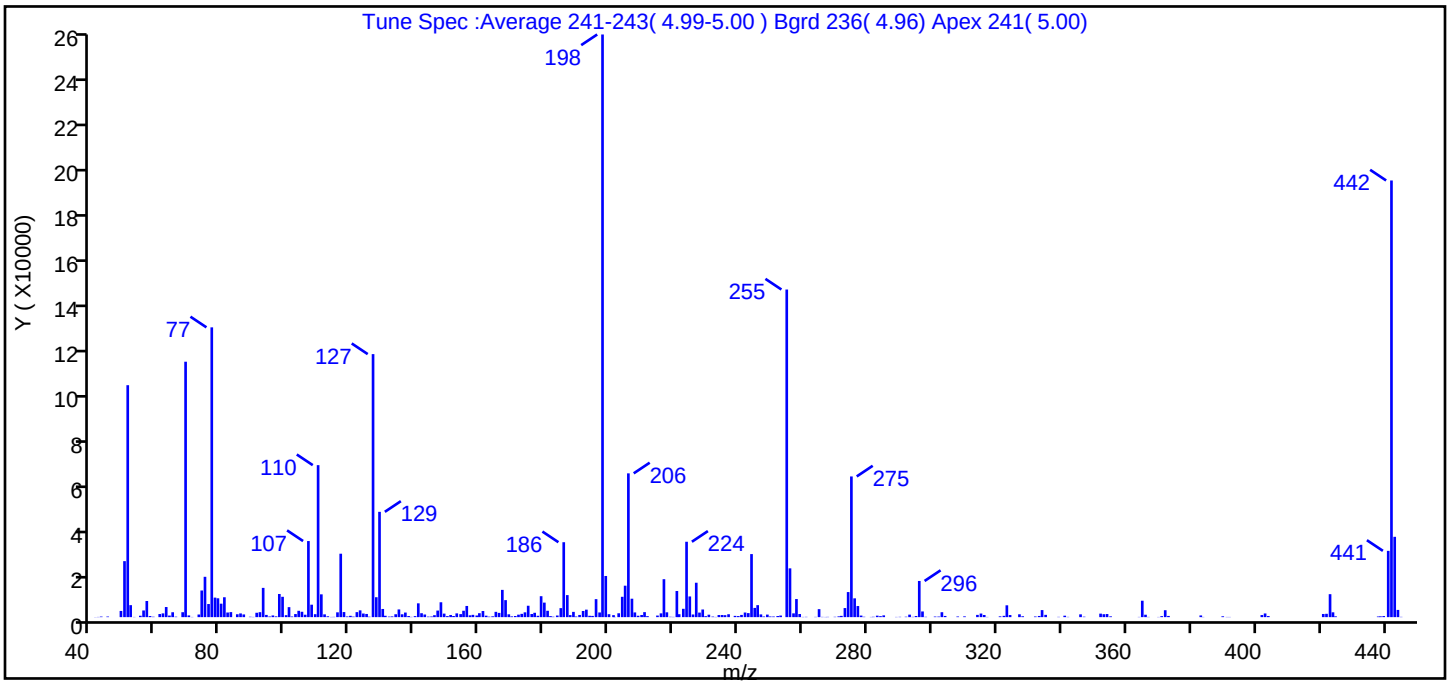
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0500.D
Injection Date: 05-Jun-2025 07:15:32 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

243 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (133.4)
51	10-80% of the base peak	39.8
68	<2% of mass 69	0.8 (1.9)
69	Present	43.8
70	<2% of mass 69	0.3 (0.7)
127	10-80% of the base peak	45.1
197	<2% of mass 198	0.8
199	5-9% of mass 198	7.1
275	10-60% of the base peak	24.1
365	>1% of mass 198	2.8
441	present but <24% of mass 442	11.4 (15.2)
442	base peak, or >50% of 198	74.9
443	15-24% of mass 442	13.8 (18.4)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0500.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 05-Jun-2025 07:15:32
Spectrum: Tune Spec :Average 241-243(4.99-5.00) Bgrd 236(4.96) Apex 241(5.00)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 294

m/z	Y	m/z	Y	m/z	Y	m/z	Y
41.00	57	125.00	1375	199.00	17752	281.00	91
42.00	90	126.00	194	200.00	1267	282.00	157
43.00	248	127.00	113456	201.00	866	283.00	636
45.00	263	128.00	8594	202.00	115	284.00	424
49.00	2673	129.00	45424	203.00	1673	285.00	763
50.00	24152	130.00	3525	204.00	8773	289.00	91
51.00	100048	131.00	589	205.00	13565	290.00	133
52.00	5169	132.00	238	206.00	62024	292.00	183
53.00	85	133.00	317	207.00	7952	293.00	1081
55.00	604	134.00	1250	208.00	2035	294.00	121
56.00	2880	135.00	3323	209.00	605	295.00	476
57.00	6962	136.00	1228	210.00	918	296.00	15604
58.00	469	137.00	1984	211.00	2156	297.00	2454
59.00	179	138.00	471	212.00	424	298.00	144
61.00	1344	139.00	111	215.00	683	301.00	254
62.00	1624	140.00	440	216.00	1637	302.00	245
63.00	4364	141.00	5958	217.00	16370	303.00	2128
64.00	686	142.00	1694	218.00	2083	304.00	515
65.00	2112	143.00	1137	219.00	157	308.00	281
66.00	199	144.00	227	220.00	109	310.00	330
68.00	2125	145.00	277	221.00	11273	314.00	973
69.00	110176	146.00	842	222.00	1262	315.00	1556
70.00	741	147.00	2839	223.00	3598	316.00	928
71.00	83	148.00	6417	224.00	32520	317.00	92
73.00	1132	149.00	1520	225.00	8926	321.00	343
74.00	11492	150.00	450	226.00	1147	322.00	563
75.00	17400	151.00	935	227.00	14841	323.00	5106
76.00	5660	152.00	493	228.00	1963	324.00	908
77.00	125000	153.00	1627	229.00	3300	327.00	1229
78.00	8421	154.00	1312	230.00	416	328.00	382
79.00	8135	155.00	2755	231.00	1052	332.00	279
80.00	5809	156.00	4823	232.00	238	333.00	506
81.00	8581	157.00	787	233.00	88	334.00	3046

Report Date: 05-Jun-2025 09:07:37 Chrom Revision: 2.3 04-Jun-2025 17:32:36
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0500.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 05-Jun-2025 07:15:32
Spectrum: Tune Spec :Average 241-243(4.99-5.00) Bgrd 236(4.96) Apex 241(5.00)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 294

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	1996	158.00	989	234.00	904	335.00	987
83.00	2172	159.00	706	235.00	916	339.00	116
85.00	1241	160.00	1702	236.00	853	341.00	625
86.00	1604	161.00	2639	237.00	1250	342.00	109
87.00	1168	162.00	629	239.00	550	346.00	1205
89.00	169	163.00	207	240.00	459	347.00	197
90.00	97	164.00	359	241.00	958	352.00	1507
91.00	1888	165.00	2283	242.00	1992	353.00	1266
92.00	2139	166.00	1834	243.00	1741	354.00	1343
93.00	12623	167.00	11759	244.00	27200	355.00	341
94.00	962	168.00	7336	245.00	3986	364.00	95
95.00	280	169.00	1224	246.00	5172	365.00	7082
96.00	729	170.00	332	247.00	1180	366.00	1045
97.00	327	171.00	493	248.00	276	367.00	98
98.00	9985	172.00	1071	249.00	1099	370.00	84
99.00	8774	173.00	1422	250.00	287	371.00	428
100.00	844	174.00	2073	251.00	272	372.00	2986
101.00	4311	175.00	4920	252.00	476	373.00	519
102.00	273	176.00	1345	253.00	687	383.00	736
103.00	1332	177.00	1881	255.00	141312	384.00	89
104.00	2733	178.00	587	256.00	21048	390.00	368
105.00	2319	179.00	9036	257.00	1631	391.00	87
106.00	1039	180.00	6268	258.00	7809	392.00	86
107.00	32824	181.00	2740	259.00	1345	402.00	895
108.00	5367	182.00	441	260.00	92	403.00	1589
109.00	1275	183.00	190	261.00	127	404.00	467
110.00	65560	184.00	702	264.00	109	421.00	1367
111.00	9837	185.00	3889	265.00	3447	422.00	1438
112.00	1205	186.00	32320	266.00	108	423.00	9906
113.00	372	187.00	9505	267.00	84	424.00	2086
114.00	91	188.00	880	268.00	115	425.00	344
115.00	117	189.00	2273	270.00	146	438.00	272
116.00	2076	190.00	263	271.00	335	439.00	349
117.00	27360	191.00	942	272.00	551	440.00	466

Report Date: 05-Jun-2025 09:07:37 Chrom Revision: 2.3 04-Jun-2025 17:32:36
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0500.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 05-Jun-2025 07:15:32
Spectrum: Tune Spec :Average 241-243(4.99-5.00) Bgrd 236(4.96) Apex 241(5.00)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 294

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	2193	192.00	2654	273.00	3917	441.00	28592
119.00	282	193.00	3233	274.00	10813	442.00	188352
120.00	572	194.00	586	275.00	60688	443.00	34648
121.00	220	195.00	534	276.00	8113	444.00	3119
122.00	2157	196.00	7765	277.00	4789	445.00	119
123.00	2925	197.00	2015	278.00	673		
124.00	1560	198.00	251328	279.00	161		

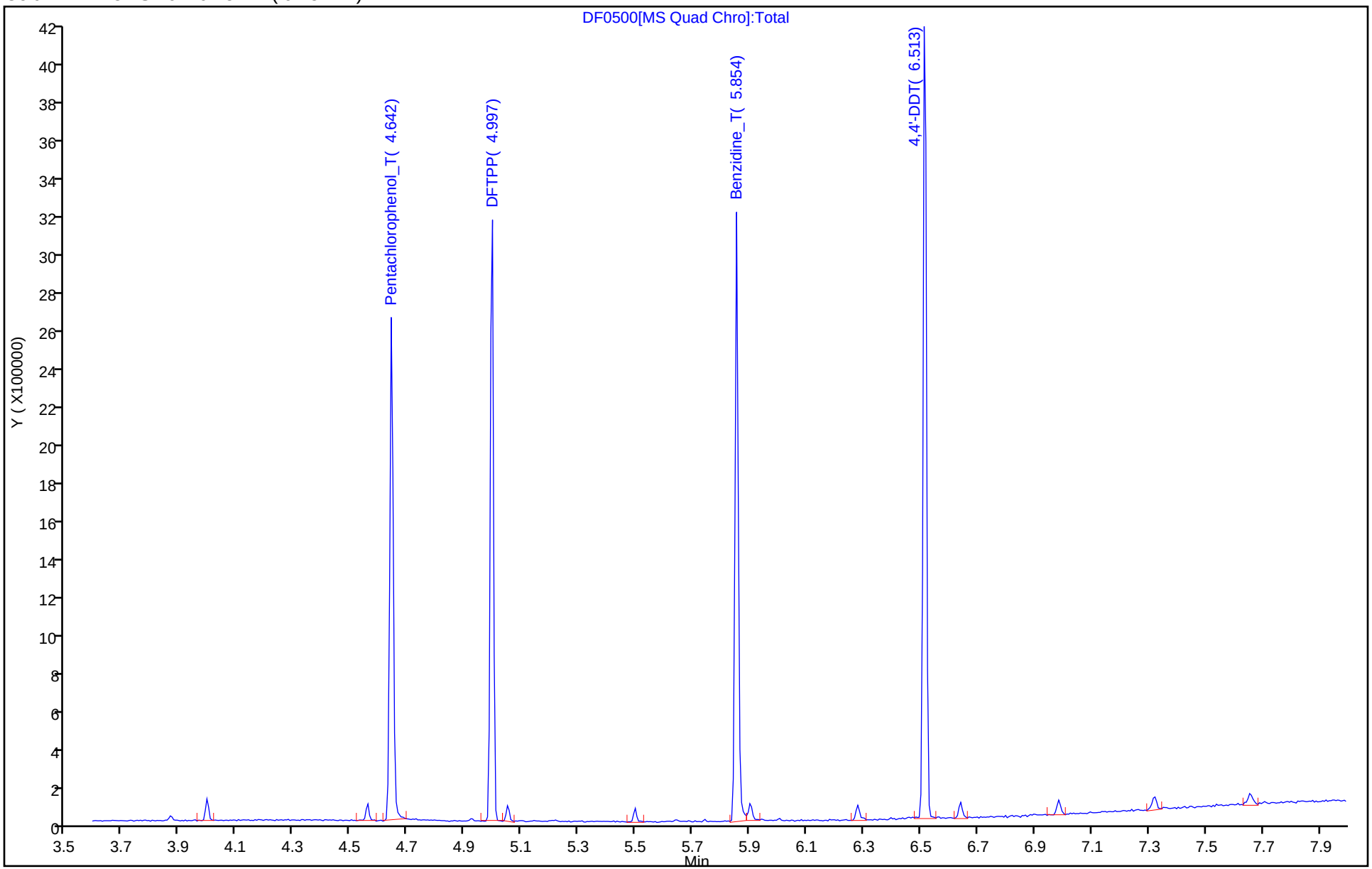
Report Date: 05-Jun-2025 09:07:37 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0500.D

Injection Date:	05-Jun-2025 07:15:32	Instrument ID:	HP19760	Operator ID:	CJS101602
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0500.D
Injection Date: 05-Jun-2025 07:15:32 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

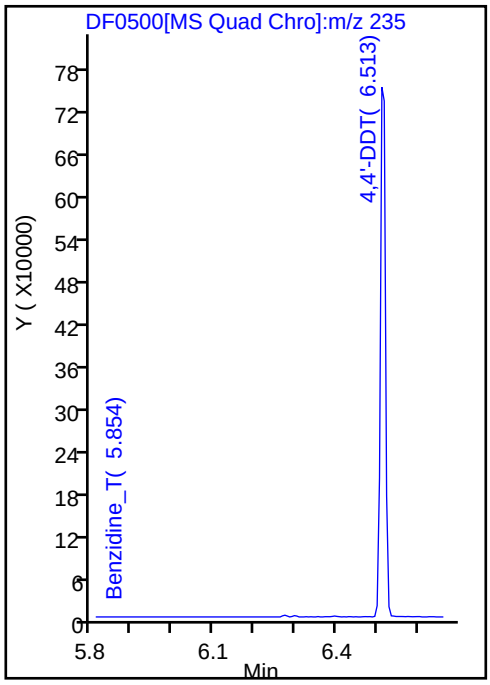
246 4,4'-DDT, Detector: MS Quad

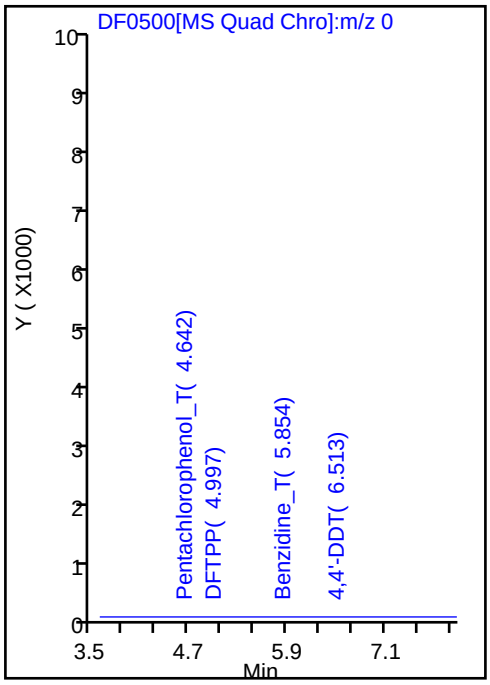
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 657625
245 4,4'-DDD, Area = 0
244 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

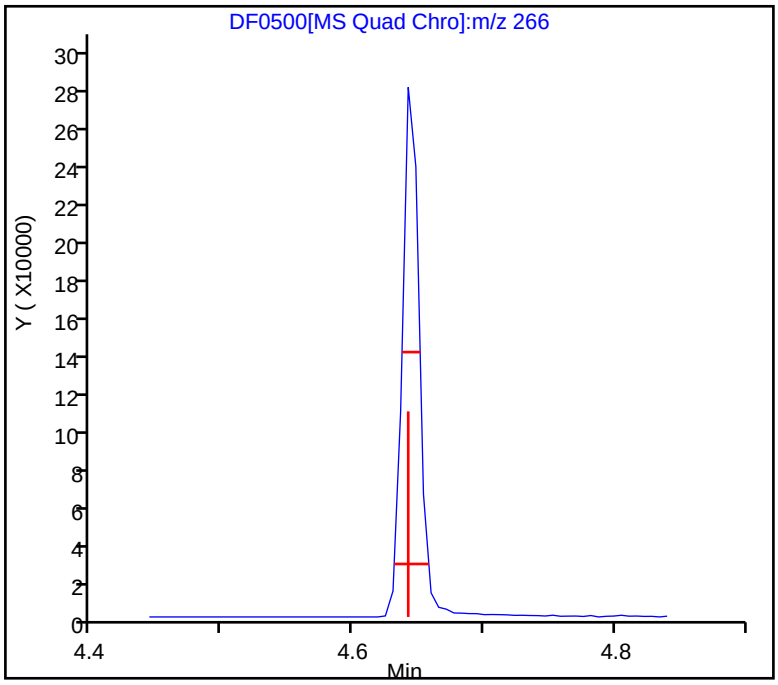
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0500.D
Injection Date: 05-Jun-2025 07:15:32 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.45, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

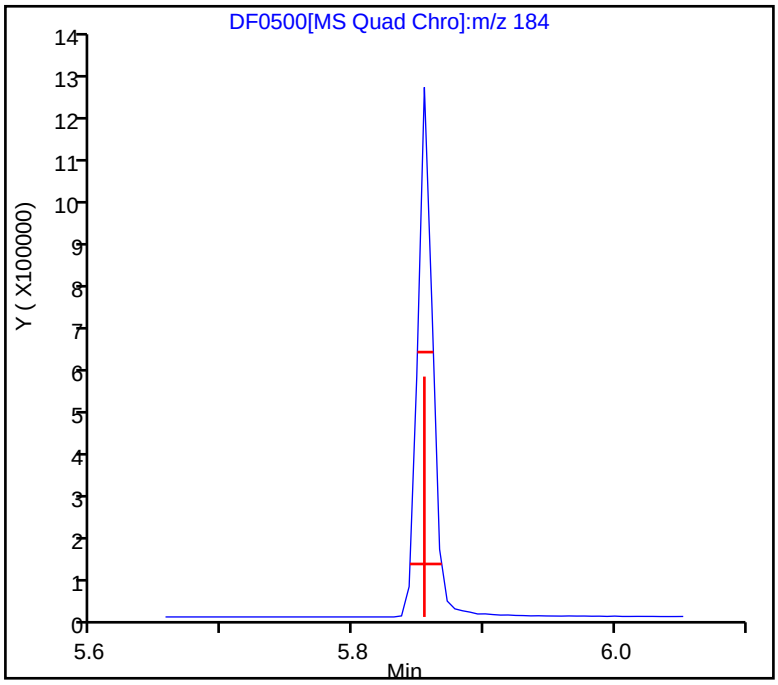
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0500.D
Injection Date: 05-Jun-2025 07:15:32 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.18, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1050.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 10-Jun-2025 19:18:03 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: IR93211 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 10-Jun-2025 20:52:39 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: N5QU Date: 10-Jun-2025 19:30:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 Pentachlorophenol_T	266	4.543	4.543	0.000	93	325926	NR	NR	
57 Benzidine_T	184	5.749	5.749	0.000	100	1927523	NR	NR	
243 DFTPP									
244 4,4'-DDE	246	5.895	5.895	0.000	81	1778		NR	M
245 4,4'-DDD	235	6.186	6.186	0.000	90	3766		NR	
246 4,4'-DDT	235	6.396	6.396	0.000	98	1071220	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
M - Manually Integrated

Reagents:

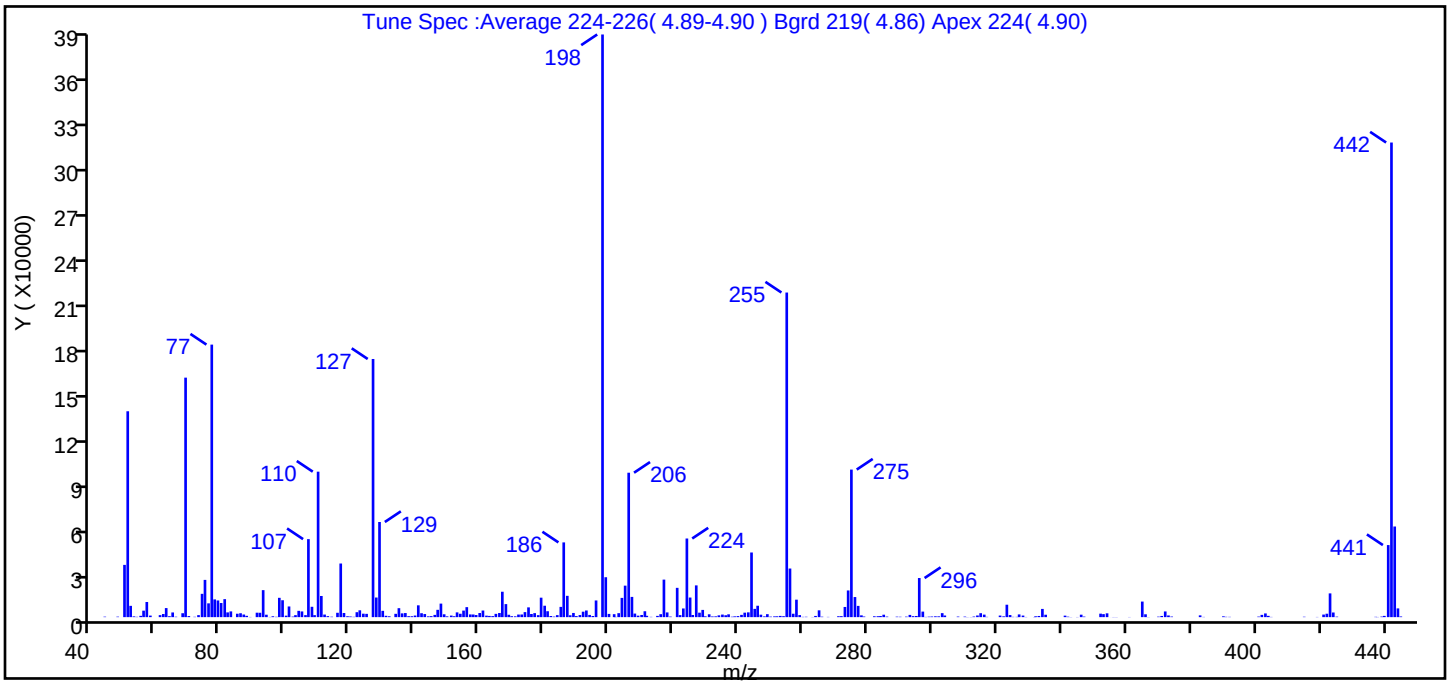
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1050.D
Injection Date: 10-Jun-2025 19:18:03 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

243 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (122.8)
51	10-80% of the base peak	35.3
68	<2% of mass 69	0.7 (1.6)
69	Present	41.1
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	44.3
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-60% of the base peak	25.3
365	>1% of mass 198	2.7
441	present but <24% of mass 442	12.4 (15.2)
442	base peak, or >50% of 198	81.5
443	15-24% of mass 442	15.6 (19.1)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1050.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 10-Jun-2025 19:18:03
Spectrum: Tune Spec :Average 224-226(4.89-4.90) Bgrd 219(4.86) Apex 224(4.90)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 306

m/z	Y	m/z	Y	m/z	Y	m/z	Y
44.00	311	134.00	2186	212.00	888	300.00	414
48.00	323	135.00	5902	213.00	184	301.00	552
50.00	34424	136.00	2490	215.00	826	302.00	528
51.00	135616	137.00	2695	216.00	1953	303.00	2635
52.00	7440	138.00	641	217.00	24720	304.00	1071
53.00	502	139.00	600	218.00	3108	308.00	376
54.00	218	140.00	1049	219.00	358	310.00	349
55.00	864	141.00	7782	221.00	19296	311.00	91
56.00	4265	142.00	2588	222.00	1335	312.00	89
57.00	9981	143.00	2041	223.00	5717	313.00	398
58.00	1020	144.00	520	224.00	51800	314.00	1092
61.00	1327	145.00	667	225.00	12916	315.00	2605
62.00	2058	146.00	1482	226.00	1415	316.00	1653
63.00	5967	147.00	4824	227.00	20920	317.00	182
64.00	624	148.00	8916	228.00	2941	321.00	1039
65.00	3086	149.00	1884	229.00	4765	322.00	524
66.00	277	150.00	521	230.00	527	323.00	8184
68.00	2576	151.00	1032	231.00	1878	324.00	1377
69.00	157760	152.00	593	232.00	455	325.00	188
70.00	710	153.00	3138	233.00	520	326.00	183
72.00	229	154.00	2228	234.00	1176	327.00	1793
73.00	1331	155.00	4314	235.00	1696	328.00	1033
74.00	15354	156.00	6585	236.00	1246	329.00	120
75.00	24536	157.00	1790	237.00	1857	332.00	97
76.00	9088	158.00	1744	238.00	284	332.00	572
77.00	179520	159.00	1388	239.00	506	333.00	768
78.00	11685	160.00	2718	240.00	688	334.00	5414
79.00	10992	161.00	4364	241.00	1489	335.00	1585
80.00	9304	162.00	984	242.00	2954	341.00	986
81.00	11855	163.00	809	243.00	3148	342.00	318
82.00	3125	164.00	687	244.00	42592	343.00	90
83.00	3791	165.00	2166	245.00	5445	345.00	104
85.00	2247	166.00	2723	246.00	7508	346.00	1621

Report Date: 10-Jun-2025 20:52:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1050.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 10-Jun-2025 19:18:03
Spectrum: Tune Spec :Average 224-226(4.89-4.90) Bgrd 219(4.86) Apex 224(4.90)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 306

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	2572	167.00	16736	247.00	1623	347.00	355
87.00	1722	168.00	8587	248.00	501	352.00	2290
88.00	868	169.00	1566	249.00	1961	353.00	1983
89.00	121	170.00	618	250.00	343	354.00	2507
91.00	2927	171.00	535	251.00	494	355.00	20
92.00	2878	172.00	1705	252.00	551	356.00	98
93.00	17784	173.00	1741	253.00	812	357.00	92
94.00	1596	174.00	3310	254.00	633	361.00	107
95.00	120	175.00	6437	255.00	213824	365.00	10258
96.00	579	176.00	2070	256.00	32024	366.00	1887
97.00	233	177.00	2640	257.00	2248	367.00	93
98.00	12729	178.00	1318	258.00	11510	370.00	327
99.00	11136	179.00	12825	259.00	1357	371.00	782
100.00	968	180.00	7516	260.00	181	372.00	3753
101.00	7038	181.00	3898	261.00	246	373.00	1102
102.00	353	182.00	751	263.00	102	374.00	386
103.00	1304	183.00	355	264.00	796	383.00	1165
104.00	4149	184.00	1323	265.00	4484	384.00	142
105.00	3762	185.00	6754	266.00	299	390.00	533
106.00	1330	186.00	49232	268.00	157	391.00	220
107.00	51392	187.00	14038	271.00	594	392.00	188
108.00	6818	188.00	1235	272.00	648	401.00	363
109.00	1327	189.00	2754	273.00	6707	402.00	1492
110.00	95824	190.00	686	274.00	17584	403.00	2445
111.00	13937	191.00	1371	275.00	97200	404.00	852
112.00	1704	192.00	3595	276.00	13235	405.00	147
113.00	665	193.00	4382	277.00	7411	415.00	258
114.00	283	194.00	1465	278.00	1174	419.00	128
116.00	2876	195.00	754	279.00	394	421.00	1702
117.00	35328	196.00	10988	282.00	562	422.00	2254
118.00	2727	198.00	383808	283.00	608	423.00	15646
119.00	587	199.00	26296	284.00	734	424.00	3058
120.00	426	200.00	2127	285.00	1600	425.00	334
121.00	216	202.00	1952	286.00	364	437.00	203

Report Date: 10-Jun-2025 20:52:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1050.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 10-Jun-2025 19:18:03
Spectrum: Tune Spec :Average 224-226(4.89-4.90) Bgrd 219(4.86) Apex 224(4.90)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 306

m/z	Y	m/z	Y	m/z	Y	m/z	Y
122.00	3251	202.00	188	289.00	317	438.00	119
123.00	4505	203.00	2618	290.00	251	439.00	373
124.00	2276	204.00	12680	292.00	339	440.00	827
125.00	2165	205.00	20744	293.00	1477	441.00	47472
127.00	170048	206.00	95136	294.00	649	442.00	312640
128.00	12925	207.00	13330	295.00	763	443.00	59704
129.00	62672	208.00	2346	296.00	25760	444.00	5762
130.00	4154	209.00	976	297.00	3650	445.00	440
131.00	887	210.00	1419	298.00	153		
132.00	580	211.00	3879	299.00	318		

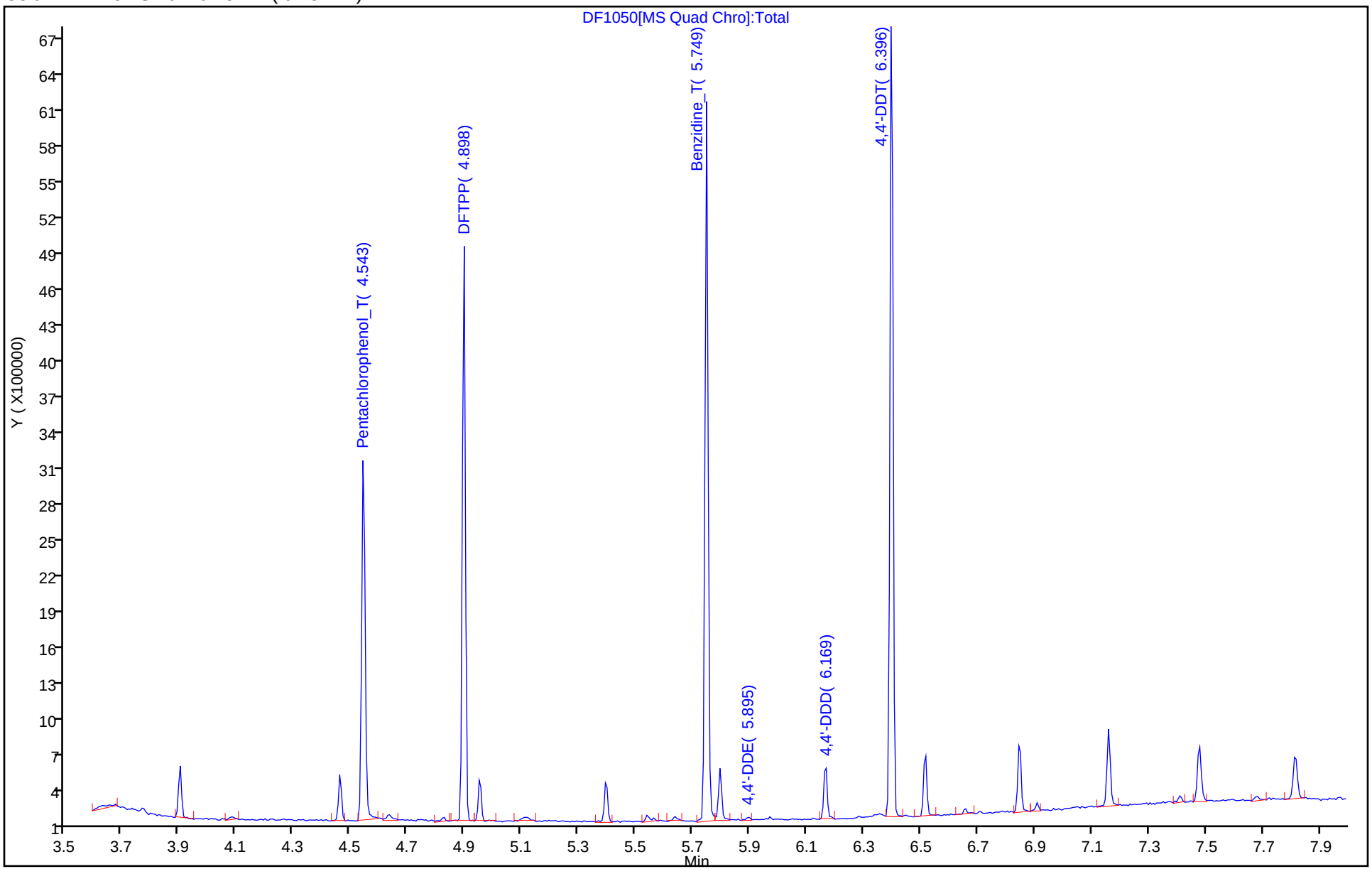
Report Date: 10-Jun-2025 20:52:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1050.D

Injection Date:	10-Jun-2025 19:18:03	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)

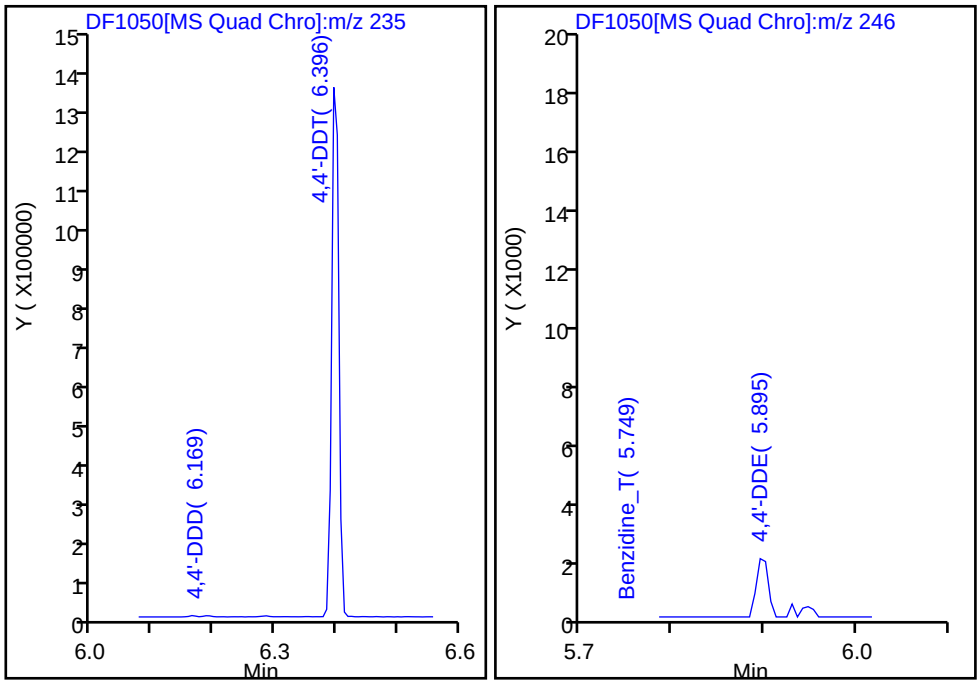


Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1050.D				
Injection Date:	10-Jun-2025 19:18:03	Instrument ID:	HP19760		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

246 4,4'-DDT, Detector: MS Quad



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 1071220
245 4,4'-DDD, Area = 3766
244 4,4'-DDE, Area = 1778

%Breakdown: 0.51%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

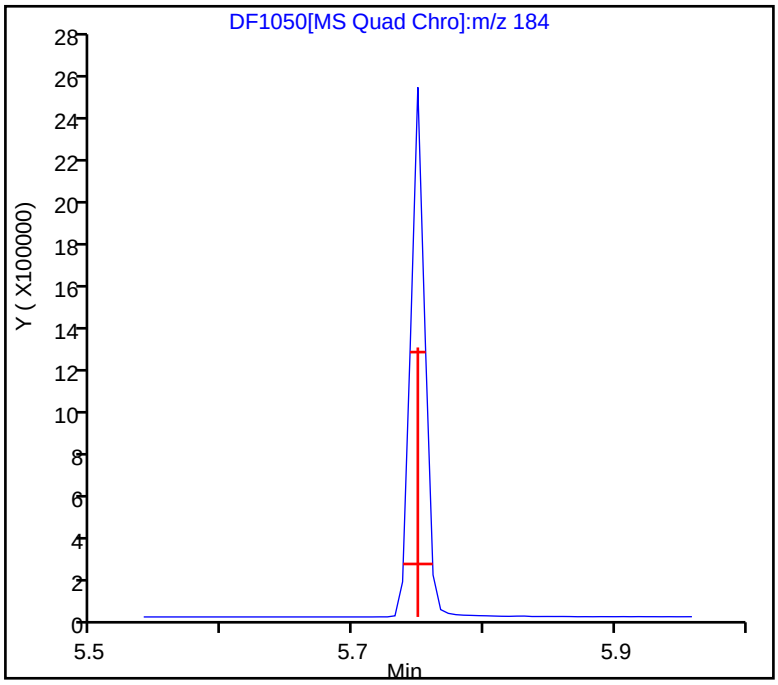
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1050.D
Injection Date: 10-Jun-2025 19:18:03 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

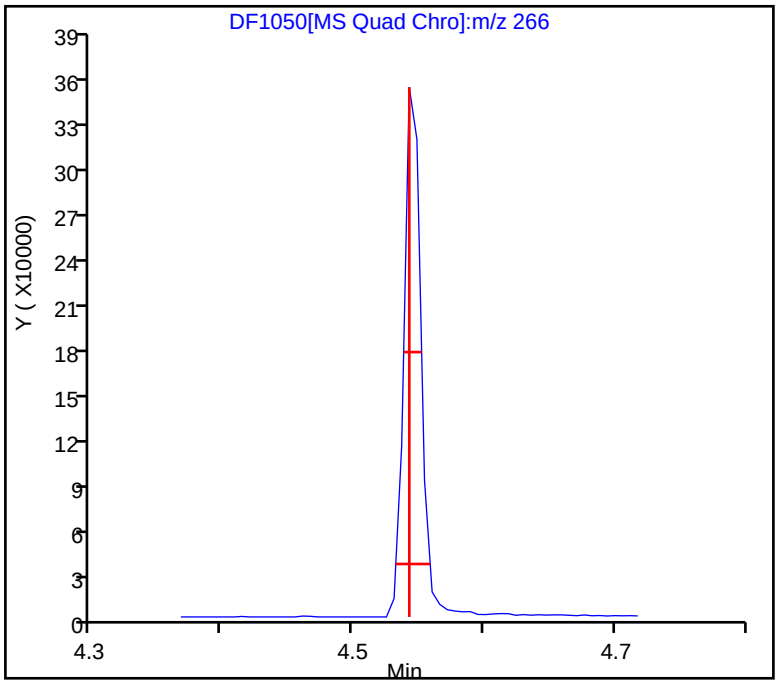
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1050.D
Injection Date: 10-Jun-2025 19:18:03 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.60, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-May-2025 23:19:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: IR93211 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:49:03 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: WH7Z Date: 07-May-2025 23:43:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
10 Pentachlorophenol_T	266	4.837	4.837	0.000	90	270993	NR	NR	
14 Benzidine_T	184	6.110	6.110	0.000	99	1228364	NR	NR	
207 DFTPP									
208 4,4'-DDE	246	6.262	6.262	0.000	1	1129		NR	
210 4,4'-DDD	235	6.483	6.483	0.000	53	693		NR	a
209 4,4'-DDT	235	6.787	6.787	0.000	97	724598	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

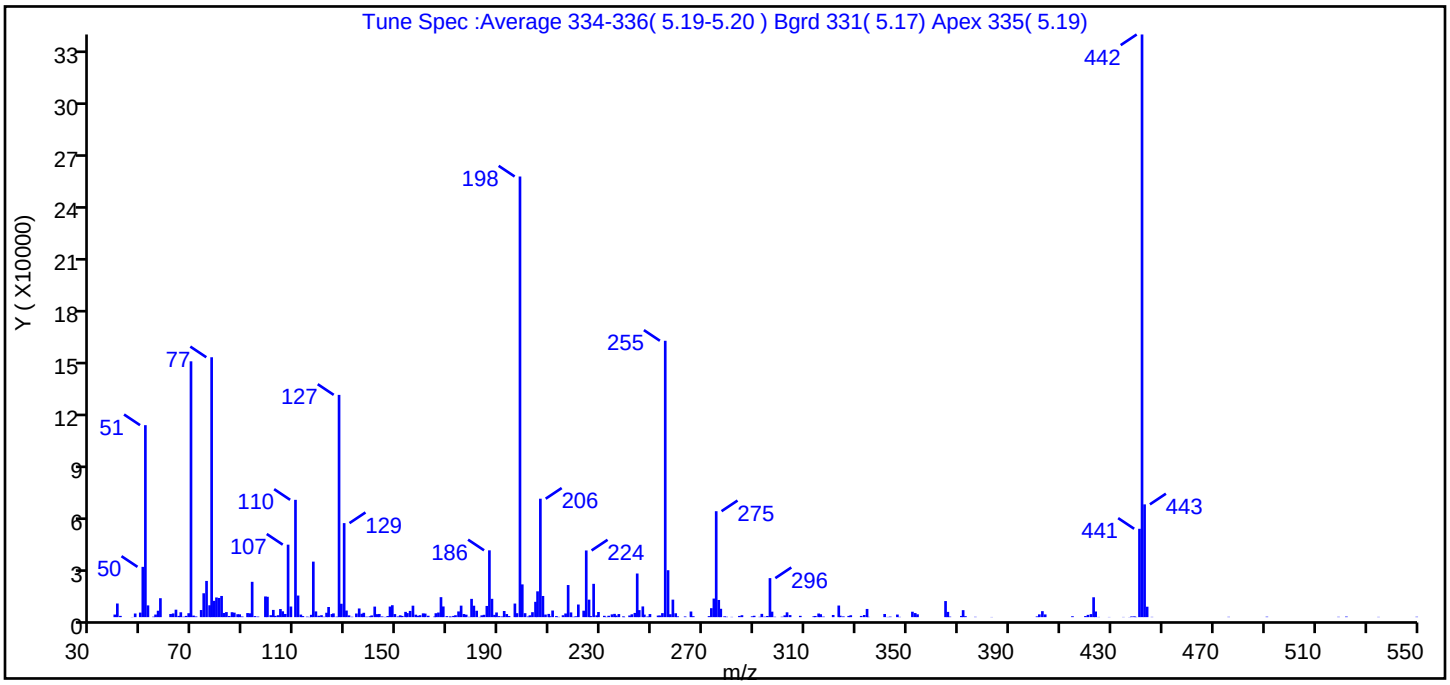
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D				
Injection Date:	07-May-2025 23:19:30	Instrument ID:	HP23264		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Tune Method:	DFTPP Method 8270D, BP 198				

207 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (75.6)
51	10-80% of the base peak	43.6
68	<2% of mass 69	0.9 (1.5)
69	Present	58.1
70	<2% of mass 69	0.3 (0.6)
127	10-80% of the base peak	50.4
197	<2% of mass 198	0.9
199	5-9% of mass 198	7.4
275	10-60% of the base peak	24.0
365	>1% of mass 198	3.6
441	present but <24% of mass 442	20.1 (15.2)
442	base peak, or >50% of 198	132.2
443	15-24% of mass 442	25.6 (19.4)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D\MSSemi_HP23264.rslt\spectra
Injection Date: 07-May-2025 23:19:30
Spectrum: Tune Spec :Average 334-336(5.19-5.20) Bgrd 331(5.17) Apex 335(5.19)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1465	125.00	2127	200.00	2242	293.00	1858
40.00	7738	126.00	280	201.00	356	294.00	257
41.00	724	127.00	126000	202.00	1044	295.00	653
46.00	90	128.00	7589	203.00	2812	296.00	22120
47.00	2062	129.00	53304	204.00	8688	297.00	3109
49.00	2573	130.00	3746	205.00	14635	298.00	230
50.00	28504	131.00	1001	206.00	67144	301.00	236
51.00	108832	132.00	219	207.00	11995	302.00	1005
52.00	6662	134.00	2063	208.00	1473	303.00	2732
54.00	280	135.00	4915	209.00	1839	304.00	1161
55.00	1467	136.00	1920	210.00	499	308.00	752
56.00	3630	137.00	2463	211.00	3754	313.00	496
57.00	10739	138.00	280	212.00	581	314.00	665
61.00	1787	139.00	503	213.00	152	315.00	2058
62.00	2098	140.00	961	215.00	1066	316.00	1652
63.00	4229	141.00	5981	216.00	2078	317.00	312
64.00	715	142.00	1703	217.00	18200	321.00	1226
65.00	2763	143.00	1800	218.00	2675	323.00	6582
66.00	254	144.00	392	219.00	201	324.00	813
67.00	709	145.00	144	220.00	481	325.00	422
68.00	2231	146.00	613	221.00	7162	327.00	697
69.00	145024	147.00	6011	223.00	3654	328.00	1072
70.00	874	148.00	6760	224.00	37800	332.00	691
71.00	388	149.00	1735	225.00	9915	333.00	1216
73.00	4028	150.00	398	226.00	618	334.00	4648
74.00	13536	151.00	1031	227.00	18888	335.00	175
75.00	20528	152.00	686	228.00	1012	341.00	1794
76.00	6726	153.00	2994	229.00	2917	342.00	139
77.00	147328	154.00	2296	231.00	760	343.00	295
78.00	9253	155.00	3528	232.00	144	346.00	1470
79.00	11160	156.00	6500	233.00	775	347.00	156
80.00	10886	157.00	1399	234.00	1577	352.00	3070
81.00	12011	158.00	778	235.00	1855	353.00	2308

Report Date: 08-May-2025 09:49:03 Chrom Revision: 2.3 18-Apr-2025 15:35:42
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D\MSSemi_HP23264.rslt\spectra
Injection Date: 07-May-2025 23:19:30
Spectrum: Tune Spec :Average 334-336(5.19-5.20) Bgrd 331(5.17) Apex 335(5.19)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	2376	159.00	1096	236.00	895	354.00	1604
83.00	2859	160.00	2148	237.00	1748	365.00	9114
84.00	666	161.00	2013	239.00	429	366.00	2984
85.00	2797	162.00	793	239.00	135	367.00	287
86.00	2541	164.00	356	241.00	936	371.00	680
87.00	1650	165.00	2228	242.00	1613	372.00	3961
88.00	1599	166.00	2611	243.00	2386	373.00	549
89.00	374	167.00	11331	244.00	24736	377.00	188
91.00	2316	168.00	6053	245.00	3982	383.00	101
92.00	2184	169.00	573	246.00	6078	401.00	428
93.00	20024	171.00	342	247.00	1441	402.00	1574
94.00	585	171.00	236	248.00	361	403.00	3393
95.00	325	172.00	702	249.00	1754	404.00	1549
98.00	11734	173.00	1072	252.00	872	415.00	515
99.00	11546	174.00	3236	253.00	928	420.00	620
100.00	1089	175.00	6518	254.00	2275	421.00	1291
101.00	4100	176.00	1752	255.00	156672	422.00	1728
102.00	746	177.00	1403	256.00	26600	423.00	11269
103.00	1079	178.00	198	257.00	1667	424.00	3209
104.00	4589	179.00	10358	258.00	9922	425.00	123
105.00	3320	180.00	6476	259.00	2203	429.00	105
106.00	1796	181.00	3620	260.00	458	435.00	117
107.00	41088	182.00	133	263.00	390	437.00	86
108.00	6019	183.00	1025	265.00	3190	438.00	403
110.00	66504	184.00	1316	266.00	531	439.00	457
111.00	12244	185.00	6348	272.00	587	440.00	143
112.00	1449	186.00	37880	273.00	5078	441.00	50088
113.00	603	187.00	10387	274.00	10532	442.00	330304
114.00	295	188.00	1294	275.00	60056	443.00	63936
116.00	147	189.00	2650	276.00	9735	444.00	5913
116.00	1313	190.00	581	277.00	4741	446.00	158
117.00	31472	191.00	391	278.00	463	476.00	184
118.00	3262	192.00	3482	279.00	233	491.00	257
119.00	802	193.00	1752	281.00	142	519.00	192

Report Date: 08-May-2025 09:49:03 Chrom Revision: 2.3 18-Apr-2025 15:35:42
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D\MSSemi_HP23264.rslt\spectra
Injection Date: 07-May-2025 23:19:30
Spectrum: Tune Spec :Average 334-336(5.19-5.20) Bgrd 331(5.17) Apex 335(5.19)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	1090	194.00	611	284.00	679	522.00	326
121.00	226	196.00	7704	285.00	1087	535.00	145
122.00	2483	197.00	2246	289.00	457	550.00	223
123.00	5748	198.00	249792	290.00	785		
124.00	1764	199.00	18568	292.00	201		

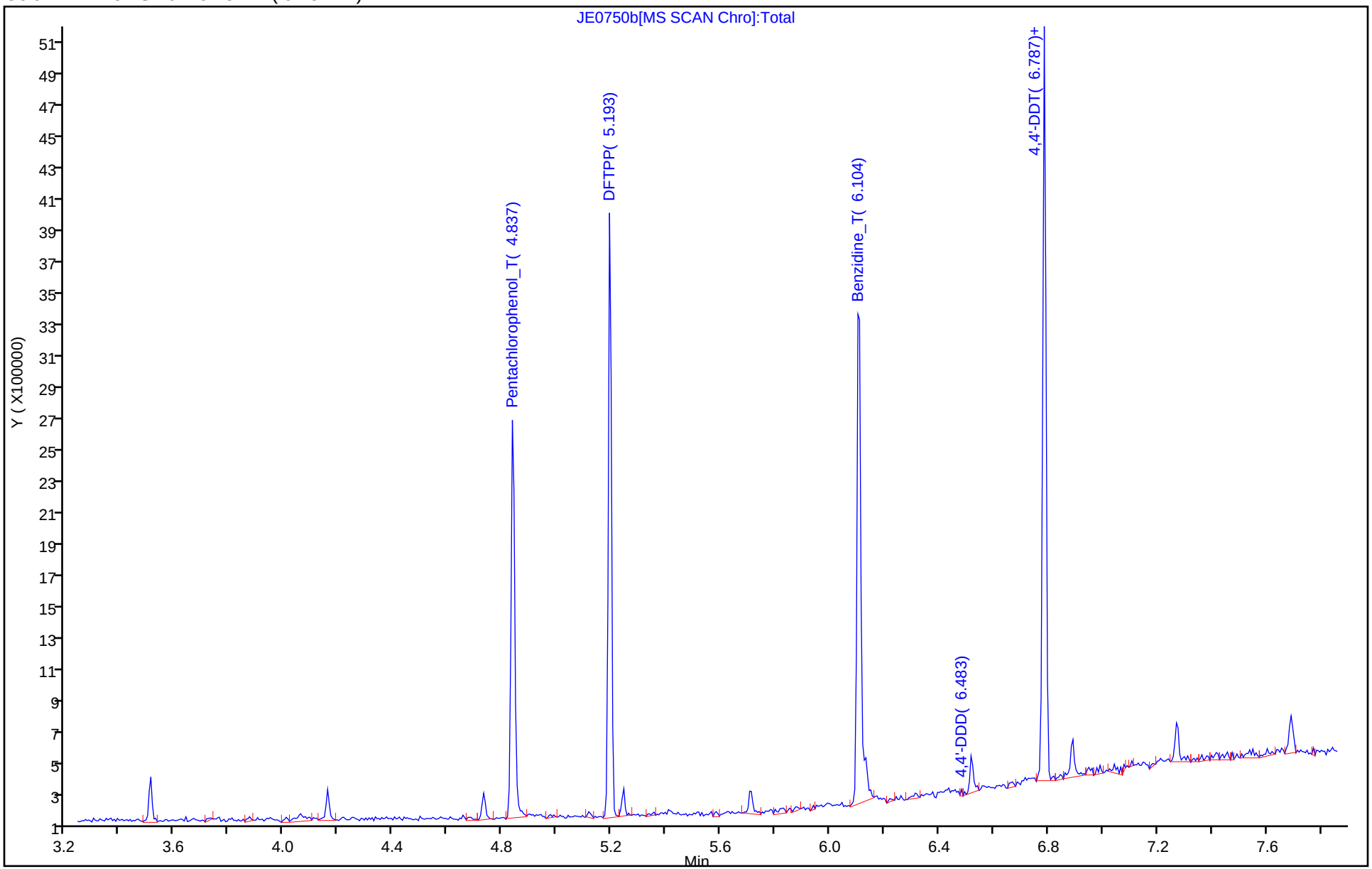
Report Date: 08-May-2025 09:49:03 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D

Injection Date:	07-May-2025 23:19:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D				
Injection Date:	07-May-2025 23:19:30	Instrument ID:	HP23264		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

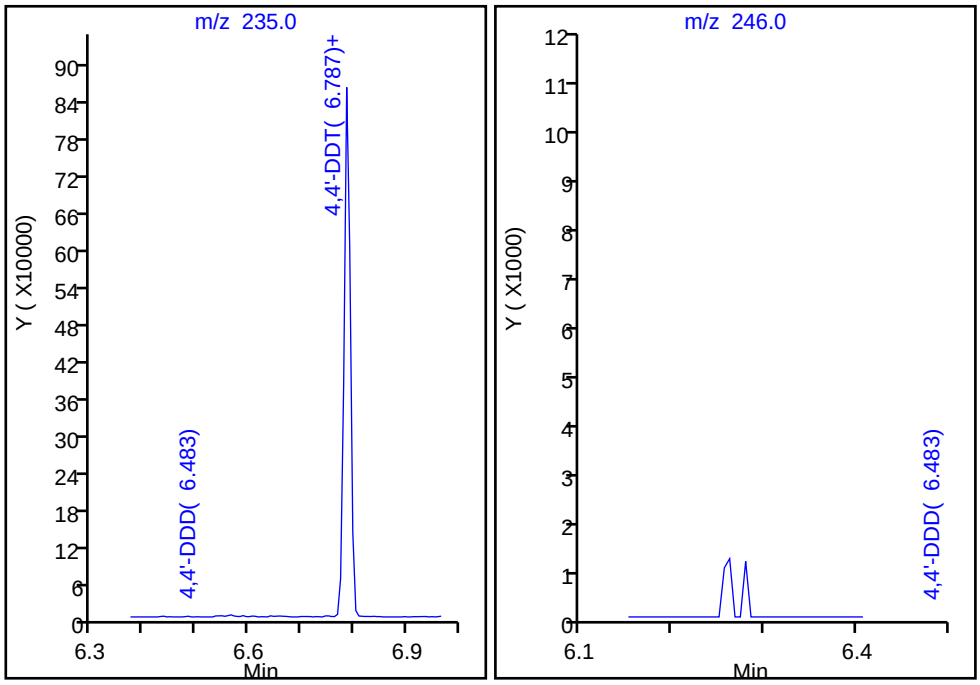
209 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

209 4,4'-DDT, Area = 724598
210 4,4'-DDD, Area = 693
208 4,4'-DDE, Area = 1129

%Breakdown: 0.25%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

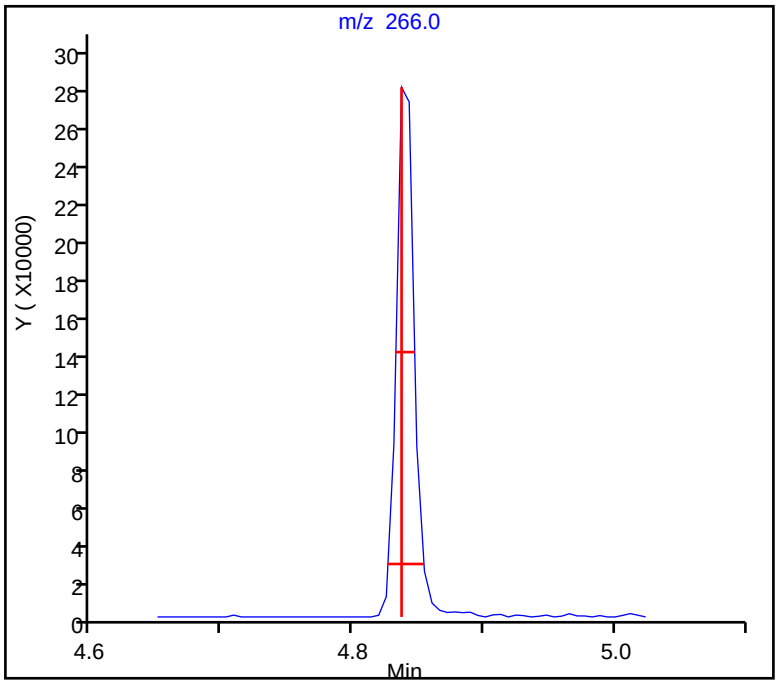
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D
Injection Date: 07-May-2025 23:19:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

10 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.70, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

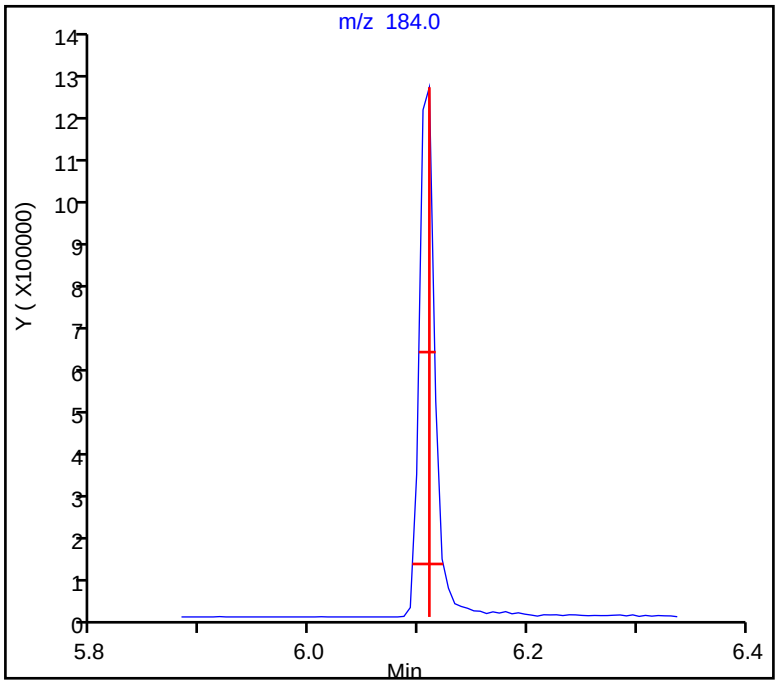
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D
Injection Date: 07-May-2025 23:19:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.81, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0600.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 06-Jun-2025 06:35:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 10:17:33 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: W6ZA Date: 06-Jun-2025 07:12:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
10 Pentachlorophenol_T	266	4.720	4.720	0.000	89	235510	NR	NR	
14 Benzidine_T	184	5.987	5.987	0.000	99	888269	NR	NR	
207 DFTPP									
208 4,4'-DDE	246		6.133					ND	U
210 4,4'-DDD	235		6.524					ND	U
209 4,4'-DDT	235	6.664	6.664	0.000	97	733461	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

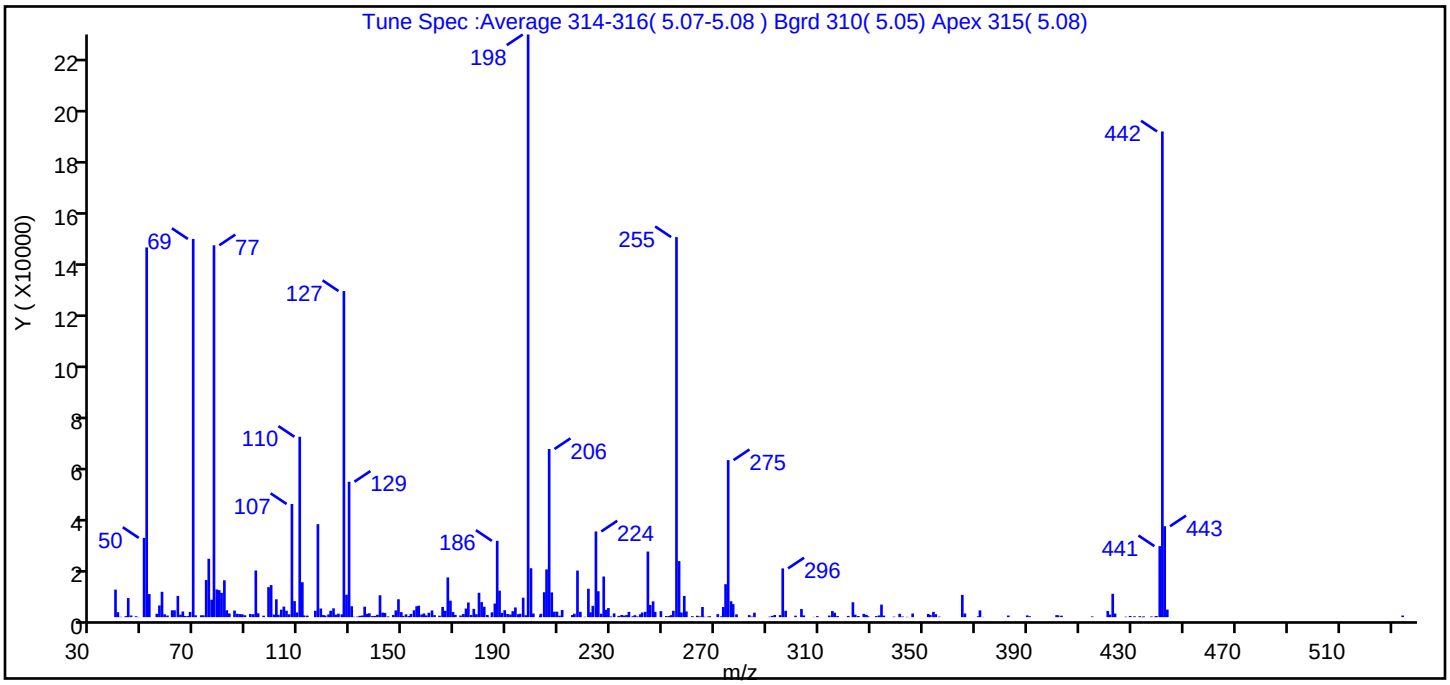
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0600.D
Injection Date: 06-Jun-2025 06:35:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

207 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (120.0)
51	10-80% of the base peak	63.4
68	<2% of mass 69	0.9 (1.4)
69	Present	64.9
70	<2% of mass 69	0.3 (0.5)
127	10-80% of the base peak	56.0
197	<2% of mass 198	0.3
199	5-9% of mass 198	8.4
275	10-60% of the base peak	26.9
365	>1% of mass 198	3.8
441	present but <24% of mass 442	12.2 (14.6)
442	base peak, or >50% of 198	83.4
443	15-24% of mass 442	15.6 (18.7)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0600.D\MSSemi_HP23264.rslt\spectra.
Injection Date: 06-Jun-2025 06:35:30
Spectrum: Tune Spec :Average 314-316(5.07-5.08) Bgrd 310(5.05) Apex 315(5.08)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 281

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	10547	123.00	3376	197.00	739	284.00	215
40.00	1901	124.00	961	198.00	223424	285.00	1707
41.00	135	125.00	1320	199.00	18752	291.00	192
43.00	407	126.00	1059	200.00	1399	292.00	496
44.00	7320	127.00	125040	203.00	594	293.00	816
45.00	641	128.00	8602	203.00	1284	295.00	772
47.00	346	129.00	51920	204.00	9564	296.00	18696
48.00	76	130.00	4177	205.00	18304	297.00	2454
50.00	30384	131.00	158	206.00	64472	301.00	560
51.00	141760	132.00	216	207.00	9488	303.00	3120
52.00	8848	133.00	508	208.00	2079	304.00	660
55.00	1297	134.00	641	209.00	2100	308.00	84
56.00	4478	135.00	4003	210.00	570	309.00	394
57.00	9712	136.00	1277	211.00	2747	314.00	602
58.00	1096	137.00	1482	215.00	805	315.00	2343
59.00	612	138.00	449	216.00	1319	316.00	1687
61.00	2617	139.00	482	217.00	17848	317.00	437
62.00	2627	140.00	915	218.00	2033	321.00	471
63.00	8143	141.00	8394	220.00	138	323.00	5715
64.00	935	142.00	1739	221.00	10883	324.00	929
65.00	2161	143.00	1593	222.00	1857	325.00	438
66.00	472	144.00	279	223.00	4330	327.00	1263
67.00	412	146.00	803	224.00	32856	328.00	871
68.00	1999	147.00	2592	225.00	9932	329.00	309
69.00	145024	148.00	6858	226.00	1340	332.00	418
70.00	717	149.00	1927	227.00	15576	333.00	662
72.00	713	150.00	494	228.00	2815	334.00	4809
73.00	705	151.00	1076	229.00	3490	335.00	585
74.00	14229	152.00	436	230.00	254	339.00	193
75.00	22384	153.00	1232	231.00	1433	341.00	1300
76.00	6674	154.00	2617	233.00	484	342.00	260
77.00	142592	155.00	4164	234.00	830	344.00	124
78.00	10594	156.00	4393	235.00	616	346.00	1383

Report Date: 06-Jun-2025 10:17:34 Chrom Revision: 2.3 04-Jun-2025 17:32:36
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0600.D\MSSemi_HP23264.rslt\spectra.
Injection Date: 06-Jun-2025 06:35:30
Spectrum: Tune Spec :Average 314-316(5.07-5.08) Bgrd 310(5.05) Apex 315(5.08)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 281

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	10346	157.00	1024	236.00	795	352.00	1234
80.00	9309	158.00	1410	237.00	2025	353.00	838
81.00	14121	159.00	654	238.00	352	354.00	2007
82.00	2655	160.00	1669	239.00	765	355.00	1123
83.00	1396	161.00	2569	240.00	272	356.00	203
85.00	2518	162.00	770	241.00	1083	365.00	8536
86.00	1287	164.00	554	242.00	1767	366.00	1396
87.00	1173	165.00	3923	243.00	2023	371.00	322
88.00	1093	166.00	2447	244.00	25160	372.00	2594
89.00	738	167.00	15229	245.00	4646	373.00	98
91.00	1218	168.00	6322	246.00	6045	383.00	623
92.00	1122	169.00	1956	247.00	2028	390.00	671
93.00	17896	170.00	850	249.00	2307	391.00	349
94.00	1464	172.00	642	251.00	434	401.00	771
96.00	567	173.00	1205	252.00	433	402.00	660
98.00	11510	174.00	3305	253.00	765	403.00	565
99.00	12297	175.00	5612	254.00	2441	415.00	271
100.00	991	176.00	799	255.00	145728	421.00	2355
101.00	6842	177.00	3174	256.00	21488	422.00	959
102.00	891	178.00	1114	257.00	1777	423.00	8954
103.00	2870	179.00	9346	258.00	8129	424.00	1370
104.00	4037	180.00	5760	259.00	2190	428.00	166
105.00	2459	181.00	3995	261.00	365	430.00	456
106.00	1094	182.00	829	263.00	555	431.00	320
107.00	43392	183.00	112	264.00	301	433.00	379
108.00	6140	184.00	1852	265.00	3892	434.00	93
109.00	1818	185.00	5214	266.00	139	435.00	290
110.00	69168	186.00	29256	267.00	202	438.00	254
111.00	13398	187.00	10160	268.00	346	439.00	193
112.00	645	188.00	1642	271.00	1149	440.00	443
113.00	583	189.00	2680	272.00	312	441.00	27216
116.00	2445	190.00	1224	273.00	3882	442.00	186240
117.00	35664	191.00	1001	274.00	12633	443.00	34848
118.00	3305	192.00	2295	275.00	60208	444.00	2890

Report Date: 06-Jun-2025 10:17:34 Chrom Revision: 2.3 04-Jun-2025 17:32:36
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0600.D\MSSemi_HP23264.rslt\spectra.
Injection Date: 06-Jun-2025 06:35:30
Spectrum: Tune Spec :Average 314-316(5.07-5.08) Bgrd 310(5.05) Apex 315(5.08)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 281

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	798	193.00	3713	276.00	6090	534.00	623
120.00	592	194.00	1099	277.00	5000		
121.00	1032	195.00	1313	278.00	1072		
122.00	2442	196.00	7458	283.00	782		

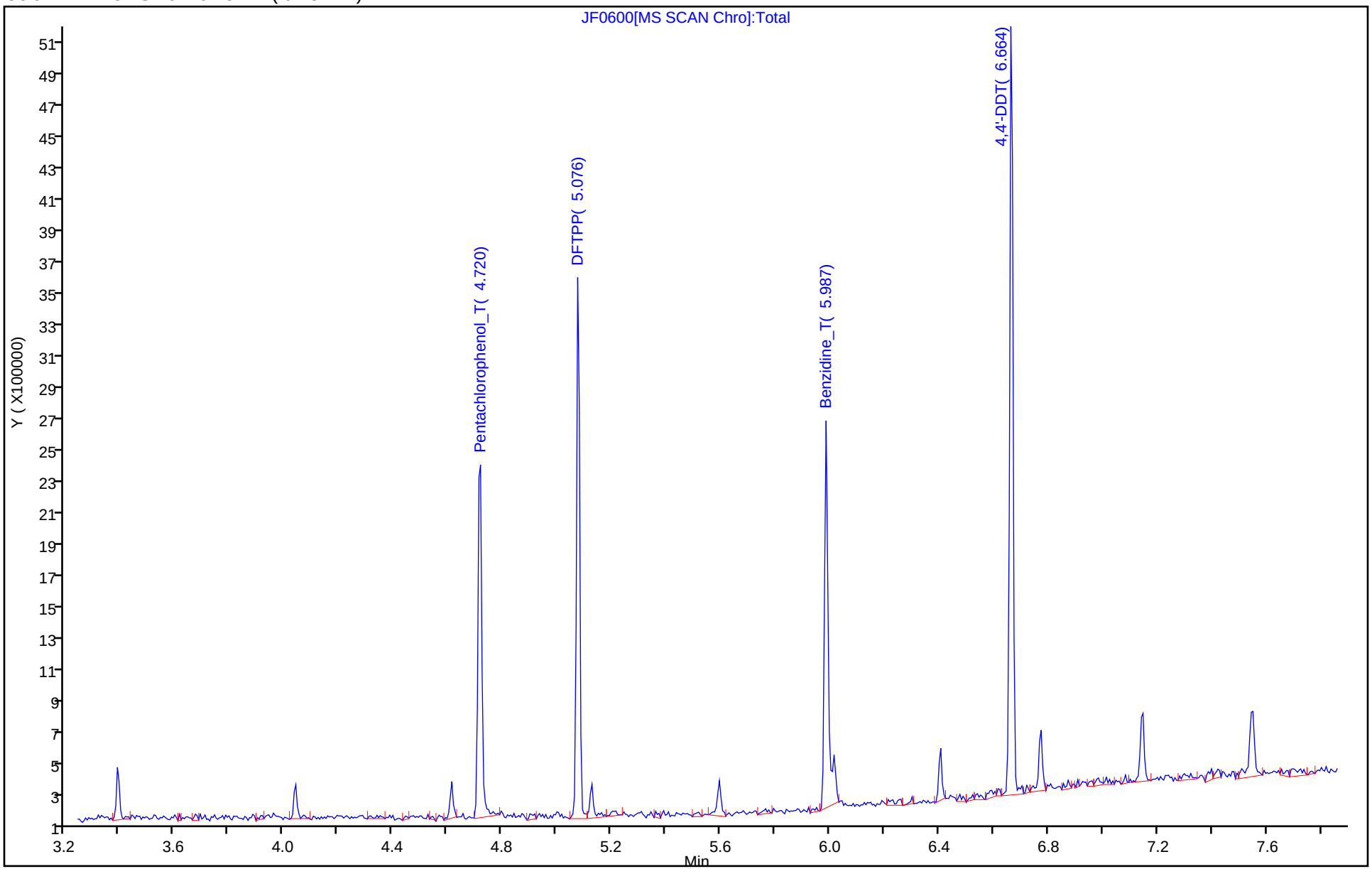
Report Date: 06-Jun-2025 10:17:34 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0600.D

Injection Date:	06-Jun-2025 06:35:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0600.D
Injection Date: 06-Jun-2025 06:35:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

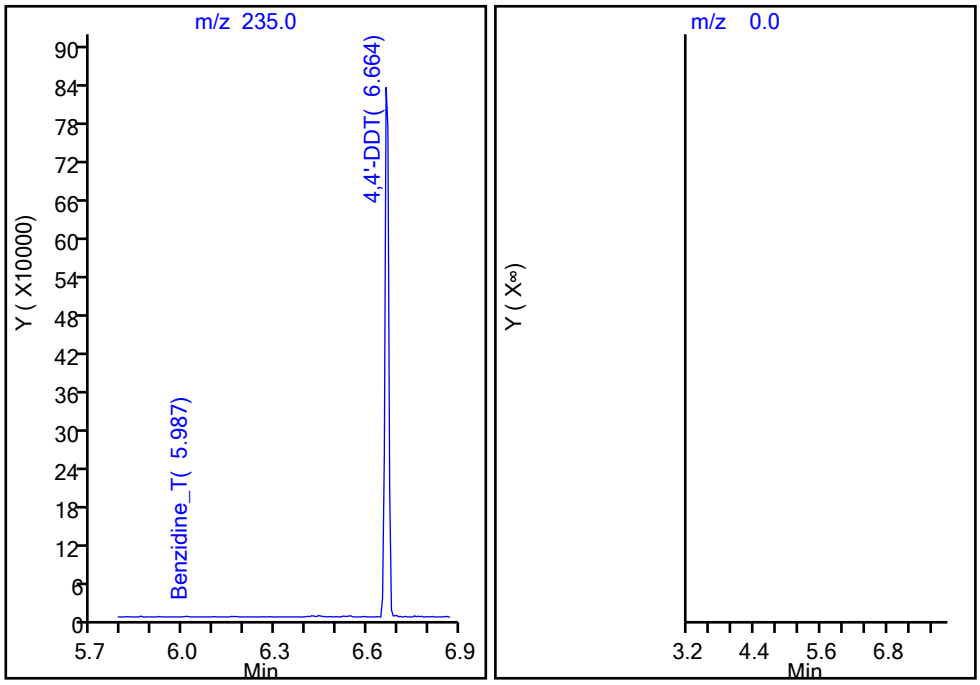
209 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

209 4,4'-DDT, Area = 733461
210 4,4'-DDD, Area = 0
208 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

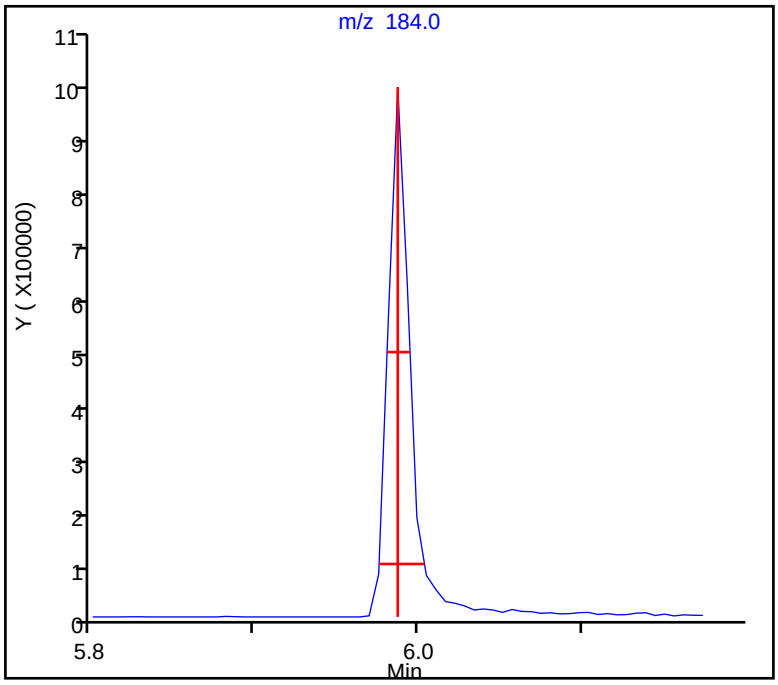
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0600.D
Injection Date: 06-Jun-2025 06:35:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.45, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

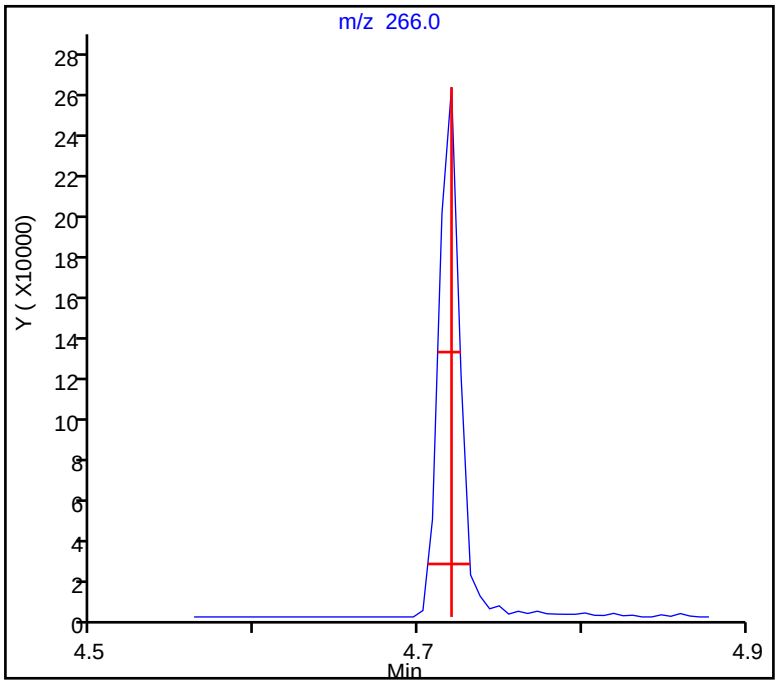
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0600.D
Injection Date: 06-Jun-2025 06:35:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

10 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.73, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-653019/1-A

Matrix: Water
Lab File ID: DF0503.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 250(mL)
Date Analyzed: 06/05/2025 08:53

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653230
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		2.0	0.50
108-60-1	bis(1-chloroispropyl)ether	ND		2.0	0.50
95-95-4	2,4,5-Trichlorophenol	ND		2.0	0.50
88-06-2	2,4,6-Trichlorophenol	ND		2.0	0.50
120-83-2	2,4-Dichlorophenol	ND		2.0	0.50
105-67-9	2,4-Dimethylphenol	ND		10	3.0
51-28-5	2,4-Dinitrophenol	ND		30	14
121-14-2	2,4-Dinitrotoluene	ND		5.0	1.0
606-20-2	2,6-Dinitrotoluene	ND		2.0	0.50
91-58-7	2-Chloronaphthalene	ND		1.0	0.40
95-57-8	2-Chlorophenol	ND		2.0	0.50
91-57-6	2-Methylnaphthalene	ND		0.50	0.10
95-48-7	2-Methylphenol	ND		2.0	0.50
88-74-4	2-Nitroaniline	ND		5.0	1.0
88-75-5	2-Nitrophenol	ND		5.0	1.0
91-94-1	3,3'-Dichlorobenzidine	ND		10	4.0
99-09-2	3-Nitroaniline	ND		5.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	ND		21	8.0
101-55-3	4-Bromophenyl-phenylether	ND		2.0	0.50
59-50-7	4-Chloro-3-methylphenol	ND		5.0	1.0
106-47-8	4-Chloroaniline	ND		10	4.0
7005-72-3	4-Chlorophenyl-phenyl ether	ND		2.0	0.50
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND		2.0	0.50
100-01-6	4-Nitroaniline	ND		3.0	0.90
100-02-7	4-Nitrophenol	ND		30	10
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
98-86-2	Acetophenone	ND		5.0	1.0
120-12-7	Anthracene	ND		0.50	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-653019/1-A

Matrix: Water
Lab File ID: DF0503.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 250(mL)
Date Analyzed: 06/05/2025 08:53

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653230
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND		5.0	1.0
100-52-7	Benzaldehyde	ND		5.0	1.0
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.11
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
85-68-7	Butylbenzylphthalate	ND		5.0	2.0
105-60-2	Caprolactam	ND		7.0	3.0
86-74-8	Carbazole	ND		2.0	0.50
218-01-9	Chrysene	ND		0.50	0.10
84-74-2	Di-n-butyl phthalate	ND		5.0	2.0
117-84-0	Di-n-octyl phthalate	ND		11	5.0
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
132-64-9	Dibenzofuran	ND		2.0	0.50
84-66-2	Diethyl phthalate	ND		5.0	2.0
131-11-3	Dimethyl phthalate	ND		5.0	2.0
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.12
118-74-1	Hexachlorobenzene	ND		0.50	0.11
87-68-3	Hexachlorobutadiene	ND		2.0	0.50
77-47-4	Hexachlorocyclopentadiene	ND		11	5.0
67-72-1	Hexachloroethane	ND		5.0	0.50
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.11
78-59-1	Isophorone	ND		2.0	0.50
621-64-7	N-Nitrosodi-n-propylamine	ND		2.0	0.50
86-30-6	N-Nitrosodiphenylamine	ND		2.0	0.50
91-20-3	Naphthalene	ND		0.50	0.26
98-95-3	Nitrobenzene	ND		2.0	0.50
87-86-5	Pentachlorophenol	ND		5.0	2.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-653019/1-A

Matrix: Water
Lab File ID: DF0503.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 250(mL)
Date Analyzed: 06/05/2025 08:53

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653230
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND		0.50	0.11
108-95-2	Phenol	ND		2.0	0.50
129-00-0	Pyrene	ND		0.50	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND		2.0	0.50
111-44-4	Bis(2-chloroethyl)ether	ND		2.0	0.50
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	68		13-134
321-60-8	2-Fluorobiphenyl (Surr)	73		45-120
367-12-4	2-Fluorophenol (Surr)	40		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	71		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	85		26-123
4165-62-2	Phenol-d5 (Surr)	27		10-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-653019/1-A

Matrix: Water
Lab File ID: DF0503.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 250(mL)
Date Analyzed: 06/05/2025 08:53

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653230
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP19760

Number TICs Found: 3
TIC Result Total: 23.57

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
108-94-1	Cyclohexanone	3.12	11.4	T J N	95%
	Unknown	3.30	6.94	T J	
	Unknown	3.56	5.23	T J	

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0503.D
Lims ID: MB 410-653019/1-A
Client ID:
Sample Type: MB
Inject. Date: 05-Jun-2025 08:53:06 ALS Bottle#: 3 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-653019/1-A
Misc. Info.: 410-0149375-034
Operator ID: CJS101602 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 16:33:12 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: N5QU Date: 05-Jun-2025 16:18:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.885	2.891	-0.006	93	439061	25.0	9.92	
15 Benzaldehyde	77		3.724				ND		7
$ 16 Phenol-d5	99	3.788	3.788	0.000	96	433955	25.0	6.71	
17 Phenol	94		3.800				ND		7
19 Bis(2-chloroethyl)ether	93		3.887				ND		7
20 2-Chlorophenol	128		3.940				ND		
* 22 1,4-Dichlorobenzene-d4	152	4.144	4.144	0.000	97	164075	5.00	5.00	
28 2-Methylphenol	108		4.389				ND		
29 2,2'-oxybis[1-chloropropane]	45		4.412				ND		7
34 Acetophenone	105		4.534				ND		
33 N-Nitrosodi-n-propylamine	70		4.540				ND		7
32 4-Methylphenol	108		4.540				ND		
38 Hexachloroethane	117		4.628				ND		
$ 39 Nitrobenzene-d5	82	4.674	4.680	-0.006	87	973267	25.0	17.8	
40 Nitrobenzene	77		4.698				ND		7
43 Isophorone	82		4.931				ND		7
44 2-Nitrophenol	139		5.006				ND		
45 2,4-Dimethylphenol	107		5.053				ND		7
47 Bis(2-chloroethoxy)methane	93		5.146				ND		
48 2,4-Dichlorophenol	162		5.240				ND		
* 50 Naphthalene-d8	136	5.368	5.368	0.000	100	591977	5.00	5.00	
51 Naphthalene	128		5.391				ND		7
53 4-Chloroaniline	127		5.444				ND		
56 Hexachlorobutadiene	225		5.514				ND		
61 Caprolactam	113		5.764				ND		7
64 4-Chloro-3-methylphenol	107		5.922				ND		
66 2-Methylnaphthalene	142		6.056				ND		
68 Hexachlorocyclopentadiene	237		6.207				ND		
69 1,2,4,5-Tetrachlorobenzene	216		6.213				ND		
71 2,4,6-Trichlorophenol	196		6.330				ND		
72 2,4,5-Trichlorophenol	196		6.365				ND		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 73 2-Fluorobiphenyl (Surr)	172	6.405	6.411	-0.006	99	1681587	25.0	18.3	
75 1,1'-Biphenyl	154		6.504				ND		7
76 2-Chloronaphthalene	162		6.516				ND		
78 Phenyl ether	170		6.603				ND		
79 2-Nitroaniline	138		6.615				ND		
85 Dimethyl phthalate	163		6.802				ND		
87 2,6-Dinitrotoluene	165		6.854				ND		
88 Acenaphthylene	152		6.907				ND		
89 3-Nitroaniline	138		7.006				ND		
* 90 Acenaphthene-d10	164	7.035	7.041	-0.006	95	329757	5.00	5.00	
91 Acenaphthene	153		7.070				ND		
92 2,4-Dinitrophenol	184		7.111				ND		
93 4-Nitrophenol	109		7.192				ND		
95 2,4-Dinitrotoluene	165		7.233				ND		
96 Dibenzofuran	168		7.239				ND		
98 2,3,4,6-Tetrachlorophenol	232		7.355				ND		
100 Diethyl phthalate	149		7.478				ND		7
102 Fluorene	166		7.559				ND		
103 4-Chlorophenyl phenyl ether	204		7.571				ND		
105 4-Nitroaniline	138		7.589				ND		
106 4,6-Dinitro-2-methylphenol	198		7.618				ND		
107 N-Nitrosodiphenylamine	169		7.688				ND		
$ 109 2,4,6-Tribromophenol	330	7.787	7.792	-0.006	93	220210	25.0	16.9	
116 4-Bromophenyl phenyl ether	248		8.037				ND		
118 Hexachlorobenzene	284		8.078				ND		
120 Atrazine	200		8.206				ND		
121 Pentachlorophenol	266		8.276				ND		
* 126 Phenanthrene-d10	188	8.445	8.451	-0.006	97	620618	5.00	5.00	
128 Phenanthrene	178		8.474				ND		
129 Anthracene	178		8.521				ND		
130 Carbazole	167		8.684				ND		
133 Di-n-butyl phthalate	149		9.040				ND		7
143 Fluoranthene	202		9.599				ND		
* 149 Pyrene-d10 (IS)	212	9.792	9.798	-0.006	99	612712	5.00	5.00	
150 Pyrene	202		9.815				ND		7
$ 152 p-Terphenyl-d14	244	9.978	9.984	-0.006	98	2033081	25.0	21.2	
157 Butyl benzyl phthalate	149		10.485				ND		7
159 3,3'-Dichlorobenzidine	252		11.033				ND		
161 Benzo[a]anthracene	228		11.045				ND		
162 Chrysene	228		11.080				ND		
163 Bis(2-ethylhexyl) phthalate	149		11.138				ND		7
165 Di-n-octyl phthalate	149		11.960				ND		7
167 Benzo[b]fluoranthene	252		12.368				ND		7
168 Benzo[k]fluoranthene	252		12.403				ND		7
169 Benzo[a]pyrene	252		12.799				ND		U
* 170 Perylene-d12	264	12.863	12.875	-0.012	98	427612	5.00	5.00	
174 Indeno[1,2,3-cd]pyrene	276		14.373				ND		
175 Dibenz(a,h)anthracene	278		14.420				ND		
176 Benzo[g,h,i]perylene	276		14.769				ND		

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00109 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC
Tentatively Identified Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0503.D
Lims ID: MB 410-653019/1-A
Client ID:
Sample Type: MB
Inject. Date: 05-Jun-2025 08:53:06 ALS Bottle#: 3 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-653019/1-A
Misc. Info.: 410-0149375-034
Operator ID: CJS101602 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 16:33:12 Calib Date: 31-May-2025 05:14:31
Tic RT Window: 0.000 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 20.00000
MS Library: \\chromfs\Lancaster\Database\NIST98.L
Min. Match: 85

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: N5QU Date: 05-Jun-2025 16:18:29

Tentative Identified Compound Results

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
	108-94-1 Cyclohexanone							
3.118	561259	2.85	22	95	111419	C6H10O	98	
	Unknown							
3.299	341606	1.73	22					
	Unknown							
3.555	257750	1.31	22					

Quantitation Compounds

Compound	RT	Area	Amount ug/ml
* 22 1,4-Dichlorobenzene-d4	4.144	984745	5.00

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00109 Amount Added: 20.00 Units: uL Run Reagent

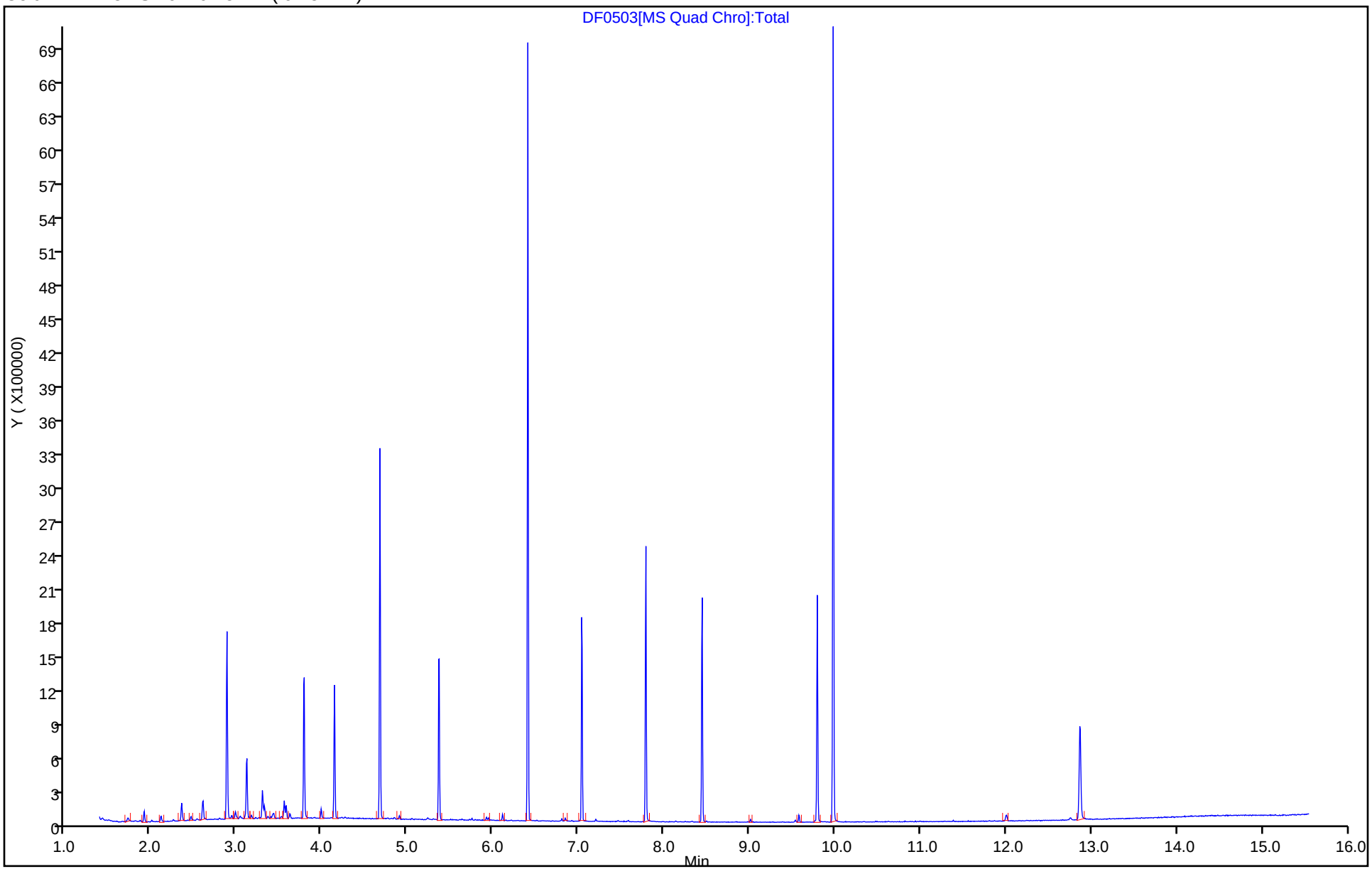
Report Date: 05-Jun-2025 16:33:44 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0503.D

Injection Date:	05-Jun-2025 08:53:06	Instrument ID:	HP19760	Operator ID:	CJS101602
Lims ID:	MB 410-653019/1-A			Worklist Smp#:	34
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0503.D
Lims ID: MB 410-653019/1-A
Client ID:
Sample Type: MB
Inject. Date: 05-Jun-2025 08:53:06 ALS Bottle#: 3 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-653019/1-A
Misc. Info.: 410-0149375-034
Operator ID: CJS101602 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 16:33:12 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: N5QU Date: 05-Jun-2025 16:18:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	9.92	39.69
$ 16 Phenol-d5	25.0	6.71	26.84
$ 39 Nitrobenzene-d5	25.0	17.8	71.04
$ 73 2-Fluorobiphenyl (Surr)	25.0	18.3	73.31
$ 109 2,4,6-Tribromophenol	25.0	16.9	67.57
$ 152 p-Terphenyl-d14	25.0	21.2	84.98

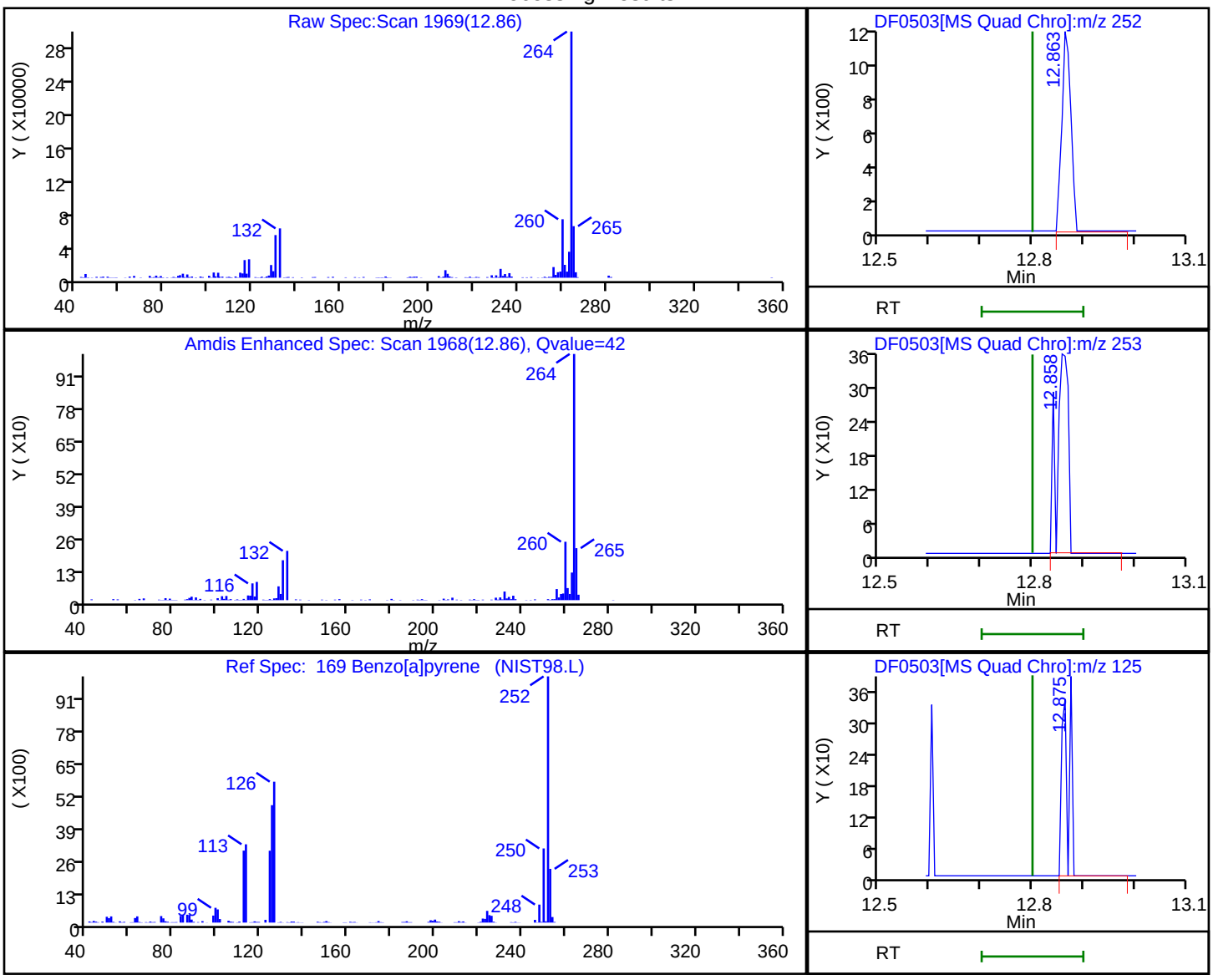
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0503.D				
Injection Date:	05-Jun-2025 08:53:06	Instrument ID:	HP19760		
Lims ID:	MB 410-653019/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

169 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.86	252.00	1365	0.014272
12.86	253.00	539	
12.88	125.00	357	

Reviewer: N5QU, 05-Jun-2025 16:17:56 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 05-Jun-2025 16:33:45 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0503.D

Injection Date: 05-Jun-2025 08:53:06 Instrument ID: HP19760

Lims ID: MB 410-653019/1-A

Client ID:

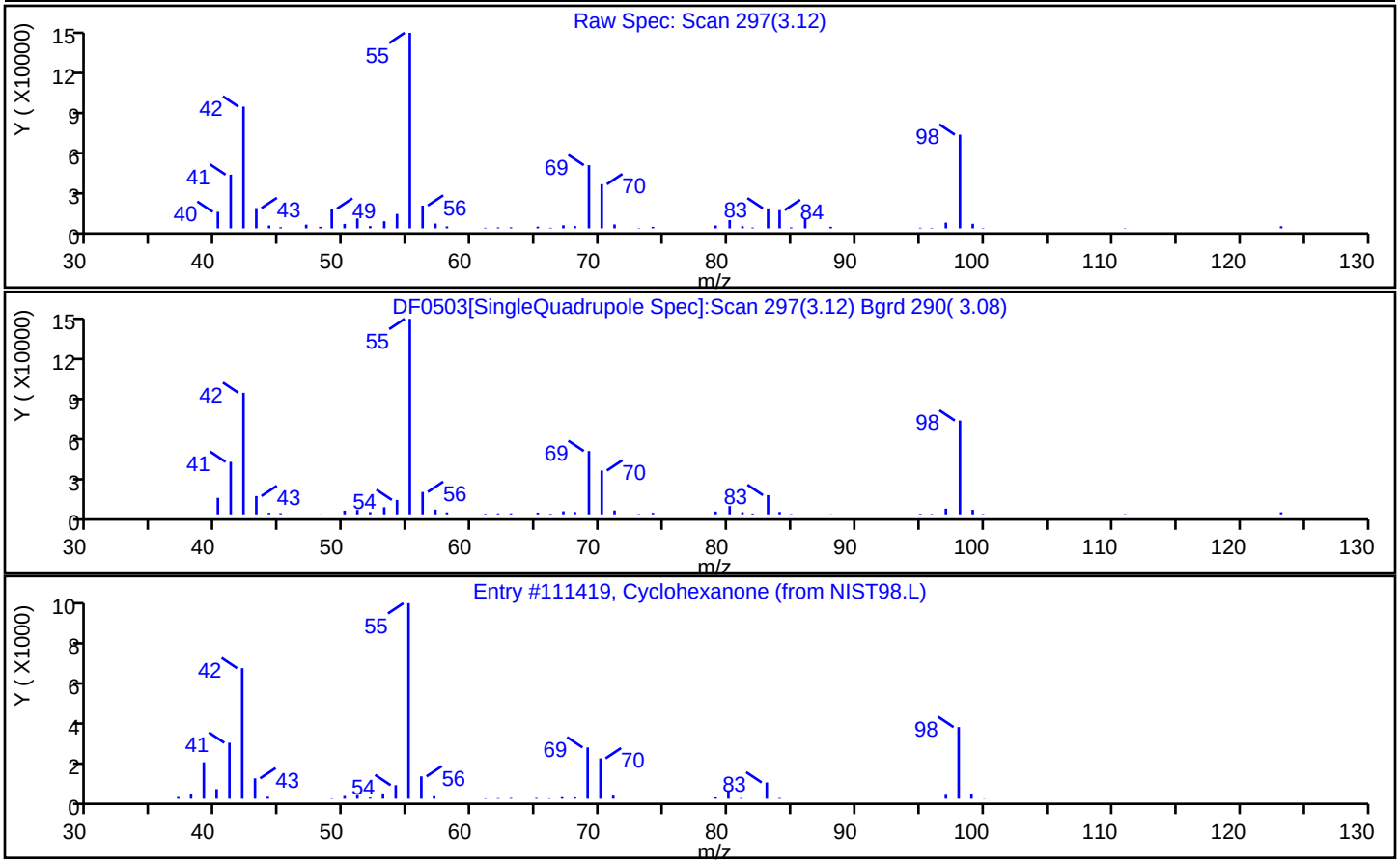
Operator ID: CJS101602 ALS Bottle#: 3 Worklist Smp#: 34

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: Detector MS Quad

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Cyclohexanone	108-94-1	NIST98.L	111419	C6H10O	98	95



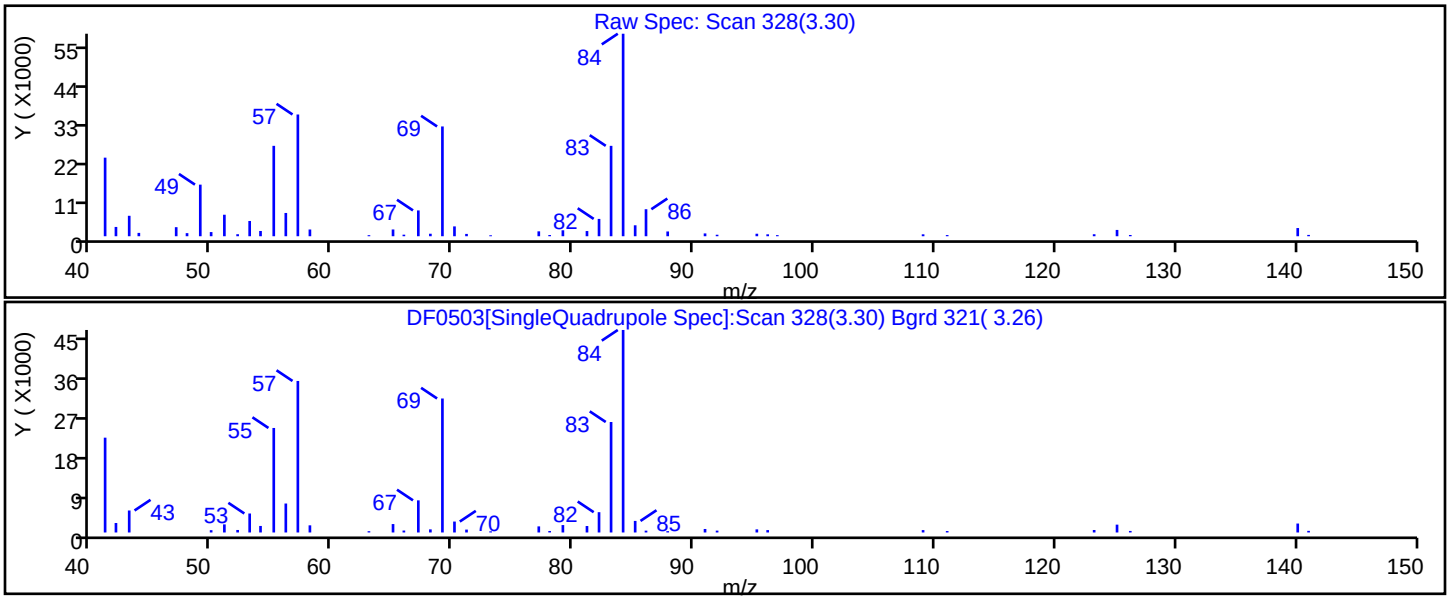
Report Date: 05-Jun-2025 16:33:45 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0503.D

Injection Date:	05-Jun-2025 08:53:06	Instrument ID:	HP19760		
Lims ID:	MB 410-653019/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS Quad		

No Library Matches Found above the Threshold: 85

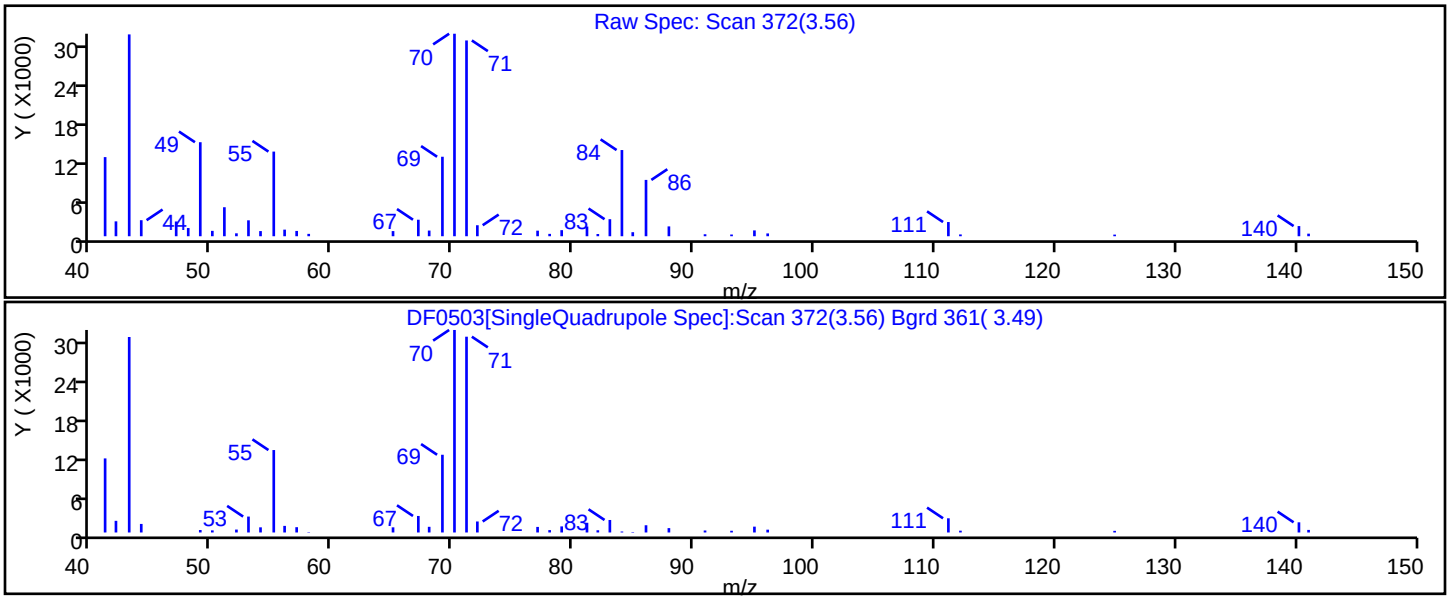


Report Date: 05-Jun-2025 16:33:45 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0503.D				
Injection Date:	05-Jun-2025 08:53:06	Instrument ID:	HP19760		
Lims ID:	MB 410-653019/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS Quad		

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-653575/1-A

Matrix: Water
Lab File ID: JF0623.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 250(mL)
Date Analyzed: 06/06/2025 09:29

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		2.0	0.50
108-60-1	bis(1-chloroispropyl)ether	ND		2.0	0.50
95-95-4	2,4,5-Trichlorophenol	ND		2.0	0.50
88-06-2	2,4,6-Trichlorophenol	ND		2.0	0.50
120-83-2	2,4-Dichlorophenol	ND		2.0	0.50
105-67-9	2,4-Dimethylphenol	ND		10	3.0
51-28-5	2,4-Dinitrophenol	ND		30	14
121-14-2	2,4-Dinitrotoluene	ND		5.0	1.0
606-20-2	2,6-Dinitrotoluene	ND		2.0	0.50
91-58-7	2-Chloronaphthalene	ND		1.0	0.40
95-57-8	2-Chlorophenol	ND		2.0	0.50
91-57-6	2-Methylnaphthalene	ND		0.50	0.10
95-48-7	2-Methylphenol	ND		2.0	0.50
88-74-4	2-Nitroaniline	ND		5.0	1.0
88-75-5	2-Nitrophenol	ND		5.0	1.0
91-94-1	3,3'-Dichlorobenzidine	ND		10	4.0
99-09-2	3-Nitroaniline	ND		5.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	ND		21	8.0
101-55-3	4-Bromophenyl-phenylether	ND		2.0	0.50
59-50-7	4-Chloro-3-methylphenol	ND		5.0	1.0
106-47-8	4-Chloroaniline	ND		10	4.0
7005-72-3	4-Chlorophenyl-phenyl ether	ND		2.0	0.50
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND		2.0	0.50
100-01-6	4-Nitroaniline	ND		3.0	0.90
100-02-7	4-Nitrophenol	ND		30	10
83-32-9	Acenaphthene	0.456	J	0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
98-86-2	Acetophenone	ND		5.0	1.0
120-12-7	Anthracene	ND		0.50	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-653575/1-A

Matrix: Water
Lab File ID: JF0623.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 250(mL)
Date Analyzed: 06/06/2025 09:29

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	ND		5.0	1.0
100-52-7	Benzaldehyde	ND		5.0	1.0
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.11
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
85-68-7	Butylbenzylphthalate	ND		5.0	2.0
105-60-2	Caprolactam	ND		7.0	3.0
86-74-8	Carbazole	ND		2.0	0.50
218-01-9	Chrysene	ND		0.50	0.10
84-74-2	Di-n-butyl phthalate	ND		5.0	2.0
117-84-0	Di-n-octyl phthalate	ND		11	5.0
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
132-64-9	Dibenzofuran	ND		2.0	0.50
84-66-2	Diethyl phthalate	ND		5.0	2.0
131-11-3	Dimethyl phthalate	ND		5.0	2.0
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	0.814		0.50	0.12
118-74-1	Hexachlorobenzene	ND		0.50	0.11
87-68-3	Hexachlorobutadiene	ND		2.0	0.50
77-47-4	Hexachlorocyclopentadiene	ND		11	5.0
67-72-1	Hexachloroethane	ND		5.0	0.50
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.11
78-59-1	Isophorone	ND		2.0	0.50
621-64-7	N-Nitrosodi-n-propylamine	ND		2.0	0.50
86-30-6	N-Nitrosodiphenylamine	ND		2.0	0.50
91-20-3	Naphthalene	ND		0.50	0.26
98-95-3	Nitrobenzene	ND		2.0	0.50
87-86-5	Pentachlorophenol	ND		5.0	2.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-653575/1-A

Matrix: Water
Lab File ID: JF0623.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 250(mL)
Date Analyzed: 06/06/2025 09:29

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND		0.50	0.11
108-95-2	Phenol	ND		2.0	0.50
129-00-0	Pyrene	0.232	J	0.50	0.10
111-91-1	Bis(2-chloroethoxy)methane	ND		2.0	0.50
111-44-4	Bis(2-chloroethyl)ether	ND		2.0	0.50
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	68		13-134
321-60-8	2-Fluorobiphenyl (Surr)	85		45-120
367-12-4	2-Fluorophenol (Surr)	36		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	72		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	85		26-123
4165-62-2	Phenol-d5 (Surr)	22		10-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-653575/1-A

Matrix: Water
Lab File ID: JF0623.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 250(mL)
Date Analyzed: 06/06/2025 09:29

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

Number TICs Found: 12
TIC Result Total: 107.593

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	2.65	5.80	T J	
	Unknown	3.18	6.35	T J	
	Unknown	3.36	7.47	T J	
	Unknown	3.61	5.14	T J	
90-12-0	1-Methylnaphthalene	6.22	0.343	J	38%
	Unknown	6.89	7.07	T J	
	Unknown	7.37	8.73	T J	
2489-86-3	Naphthalene, 1-(2-propenyl)-	7.71	4.91	T J N	92%
	Unknown	7.78	6.03	T J	
18344-37-1	Heptadecane, 2,6,10,14-tetramethyl-	8.04	5.75	T J N	86%
	Unknown	9.66	10.7	T J	
10544-50-0	Cyclic octaatomic sulfur	9.73	39.3	T J N	94%

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D
Lims ID: MB 410-653575/1-A
Client ID:
Sample Type: MB
Inject. Date: 06-Jun-2025 09:29:30 ALS Bottle#: 3 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-653575/1-A
Misc. Info.: 410-0149501-008
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 15:51:20 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 15:43:58

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88		1.591					ND	U
	3 Pyridine	79		1.860					ND	
$	9 2-Fluorophenol	112	2.958	2.953	0.001	94	556285	25.0	8.98	
	13 Benzaldehyde	77		3.792					ND	7
$	15 Phenol-d5	99	3.874	3.869	0.000	95	517765	25.0	5.61	
	16 Phenol	94		3.886					ND	7
	18 Bis(2-chloroethyl)ether	93		3.962					ND	7
	19 2-Chlorophenol	128		4.014					ND	7
*	22 1,4-Dichlorobenzene-d4	152	4.213	4.213	0.000	97	208537	5.00	5.00	
	29 2-Methylphenol	108		4.476					ND	
	30 2,2'-oxybis[1-chloropropane]	45		4.481					ND	7
	32 Acetophenone	105		4.604					ND	7
	33 N-Nitrosodi-n-propylamine	70		4.610					ND	7
	34 4-Methylphenol	108		4.627					ND	7
	37 Hexachloroethane	117		4.698					ND	7
$	39 Nitrobenzene-d5	82	4.750	4.745	0.000	90	1599327	25.0	18.0	
	40 Nitrobenzene	77		4.768					ND	U
	42 Isophorone	82		5.001					ND	7
	43 2-Nitrophenol	139		5.077					ND	7
	44 2,4-Dimethylphenol	107		5.135					ND	7
	47 Bis(2-chloroethoxy)methane	93		5.223					ND	7
	49 2,4-Dichlorophenol	162		5.316					ND	7
*	52 Naphthalene-d8	136	5.439	5.439	0.000	99	710851	5.00	5.00	
	53 Naphthalene	128		5.457					ND	U
	56 4-Chloroaniline	127		5.527					ND	7
	59 Hexachlorobutadiene	225		5.579					ND	7
	62 Caprolactam	113		5.854					ND	7
	65 4-Chloro-3-methylphenol	107		6.011					ND	7
	67 2-Methylnaphthalene	142		6.128					ND	7
	69 1-Methylnaphthalene	142	6.222	6.215	0.000	38	7788		0.0857	
	71 Hexachlorocyclopentadiene	237		6.274					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
70 1,2,4,5-Tetrachlorobenzene	216		6.286					ND	
79 2,4,6-Trichlorophenol	196		6.408					ND	7
80 2,4,5-Trichlorophenol	196		6.449					ND	7
$ 81 2-Fluorobiphenyl (Surr)	172	6.484	6.479	0.000	99	2168484	25.0	21.2	
83 1,1'-Biphenyl	154		6.578					ND	7
84 2-Chloronaphthalene	162		6.589					ND	7
87 2-Nitroaniline	138		6.700					ND	7
90 Dimethyl phthalate	163		6.881					ND	7
92 2,6-Dinitrotoluene	165		6.940					ND	U
93 Acenaphthylene	152		6.986					ND	U
95 3-Nitroaniline	138		7.097					ND	7
* 96 Acenaphthene-d10	164	7.115	7.121	-0.006	95	362739	5.00	5.00	
97 Acenaphthene	153	7.150	7.144	0.000	35	10632		0.1140	
98 2,4-Dinitrophenol	184		7.197					ND	7
100 4-Nitrophenol	109		7.290					ND	7
101 Dibenzofuran	168		7.313					ND	U
102 2,4-Dinitrotoluene	165		7.319					ND	7
105 2,3,4,6-Tetrachlorophenol	232		7.442					ND	7
107 Diethyl phthalate	149		7.559					ND	7
108 Fluorene	166	7.640	7.634	0.000	81	20515		0.2035	
110 4-Chlorophenyl phenyl ether	204		7.652					ND	7
112 4-Nitroaniline	138		7.681					ND	7
113 4,6-Dinitro-2-methylphenol	198		7.705					ND	7
114 N-Nitrosodiphenylamine	169		7.769					ND	U
$ 116 2,4,6-Tribromophenol	330	7.874	7.868	0.000	91	355241	25.0	17.0	
122 4-Bromophenyl phenyl ether	248		8.113					ND	7
124 Hexachlorobenzene	284		8.160					ND	7
126 Atrazine	200		8.289					ND	7
127 Pentachlorophenol	266		8.359					ND	7
* 131 Phenanthrene-d10	188	8.528	8.534	-0.006	97	665993	5.00	5.00	
132 Phenanthrene	178		8.551					ND	U
135 Anthracene	178		8.604					ND	U
136 Carbazole	167		8.767					ND	7
138 Di-n-butyl phthalate	149		9.118					ND	7
144 Fluoranthene	202		9.684					ND	U
* 146 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	98	707930	5.00	5.00	
147 Pyrene	202	9.900	9.889	0.000	42	10377		0.0579	
$ 148 p-Terphenyl-d14	244	10.064	10.052	0.000	98	2404554	25.0	21.3	
153 Butyl benzyl phthalate	149		10.572					ND	7
157 3,3'-Dichlorobenzidine	252		11.138					ND	7
156 Benzo[a]anthracene	228		11.138					ND	7
159 Chrysene	228		11.185					ND	7
160 Bis(2-ethylhexyl) phthalate	149		11.237					ND	7
162 Di-n-octyl phthalate	149		12.066					ND	7
163 7,12-Dimethylbenz(a)anthracene	256		12.493					ND	7
164 Benzo[b]fluoranthene	252		12.498					ND	U
165 Benzo[k]fluoranthene	252		12.534					ND	7
166 Benzo[a]pyrene	252		12.936					ND	U
* 167 Perylene-d12	264	13.012	13.012	0.000	98	659613	5.00	5.00	
168 3-Methylcholanthrene	268		13.444					ND	7
169 Dibenz[a,h]acridine	279		14.227					ND	7
170 Dibenz[a,j]acridine	279		14.303					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
171 Indeno[1,2,3-cd]pyrene	276		14.525					ND	7
172 Dibenz(a,h)anthracene	278		14.565					ND	7
173 Benzo[g,h,i]perylene	276		14.869					ND	7
S 322 3 & 4 Methylphenol	108		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC
Tentatively Identified Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D
Lims ID: MB 410-653575/1-A
Client ID:
Sample Type: MB
Inject. Date: 06-Jun-2025 09:29:30 ALS Bottle#: 3 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-653575/1-A
Misc. Info.: 410-0149501-008
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 15:51:20 Calib Date: 05-Jun-2025 10:35:30
Tic RT Window: 0.000 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 20.00000
MS Library: \\chromfs\Lancaster\Database\NIST98.L
Min. Match: 85

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 15:43:58

Tentative Identified Compound Results

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
		Unknown						
2.654	408474	1.45	22					
		Unknown						
3.179	447260	1.59	22					
		Unknown						
3.355	526031	1.87	22					
		Unknown						
3.611	361761	1.28	22					
		Unknown						
6.893	748718	1.77	96					
		Unknown						
7.366	923787	2.18	96					
	2489-86-3	Naphthalene, 1-(2-propenyl)-						
7.705	519842	1.23	96	92	123797	C13H12	168	
		Unknown						
7.781	638189	1.51	96					
	18344-37-1	Heptadecane, 2,6,10,14-tetramethyl-						
8.037	608178	1.44	96	86	16519	C21H44	296	
		Unknown						
9.661	1141327	2.69	146					
	10544-50-0	Cyclic octaatomic sulfur						
9.731	4167942	9.81	146	94	113565	S8	256	

Report Date: 06-Jun-2025 15:51:38 Chrom Revision: 2.3 04-Jun-2025 17:32:36
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D
Quantitation Compounds

Compound	RT	Area	Amount ug/ml
* 22 1,4-Dichlorobenzene-d4	4.213	1408413	5.00
* 96 Acenaphthene-d10	7.115	2116870	5.00
* 146 Pyrene-d10 (IS)	9.877	2123455	5.00

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

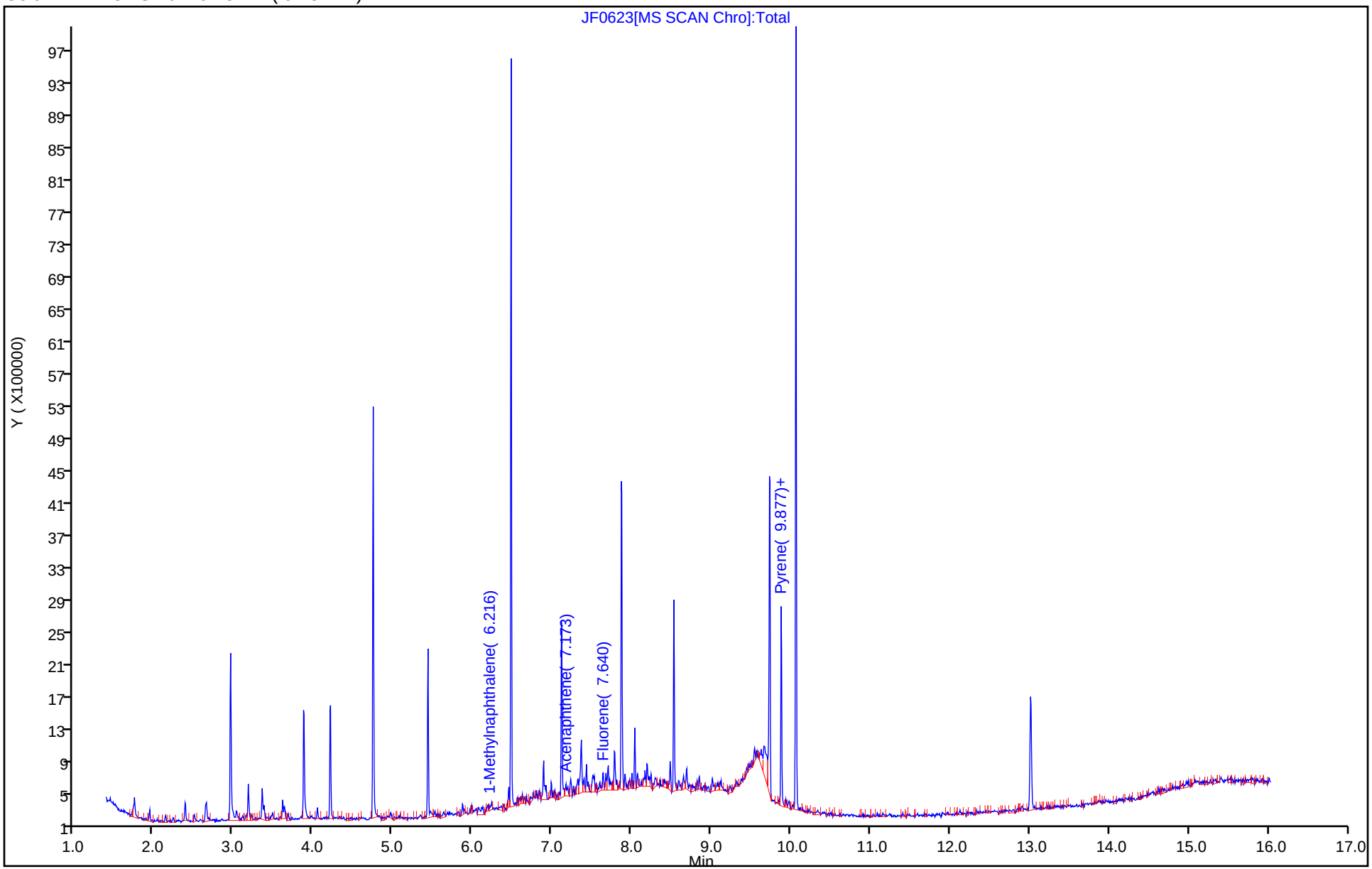
Report Date: 06-Jun-2025 15:51:38 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D

Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	MB 410-653575/1-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D
Lims ID: MB 410-653575/1-A
Client ID:
Sample Type: MB
Inject. Date: 06-Jun-2025 09:29:30 ALS Bottle#: 3 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-653575/1-A
Misc. Info.: 410-0149501-008
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 15:51:20 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 15:43:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	8.98	35.94
$ 15 Phenol-d5	25.0	5.61	22.44
$ 39 Nitrobenzene-d5	25.0	18.0	72.07
$ 81 2-Fluorobiphenyl (Surr)	25.0	21.2	84.85
$ 116 2,4,6-Tribromophenol	25.0	17.0	67.98
$ 148 p-Terphenyl-d14	25.0	21.3	85.25

Report Date: 06-Jun-2025 15:51:38 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D

Injection Date: 06-Jun-2025 09:29:30 Instrument ID: HP23264

Lims ID: MB 410-653575/1-A

Client ID:

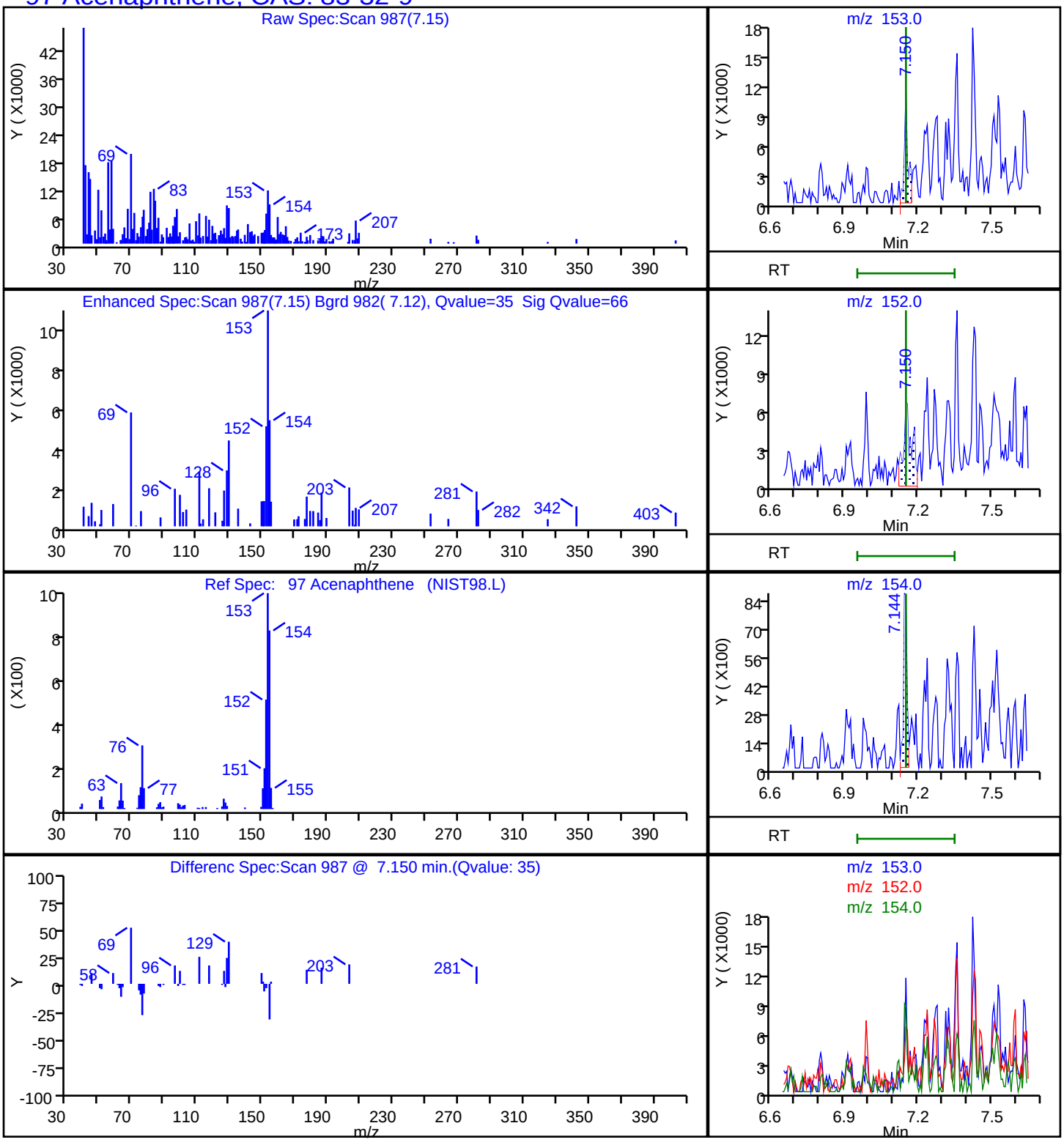
Operator ID: CJS101602 ALS Bottle#: 3 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

97 Acenaphthene, CAS: 83-32-9



Report Date: 06-Jun-2025 15:51:38 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D

Injection Date: 06-Jun-2025 09:29:30 Instrument ID: HP23264

Lims ID: MB 410-653575/1-A

Client ID:

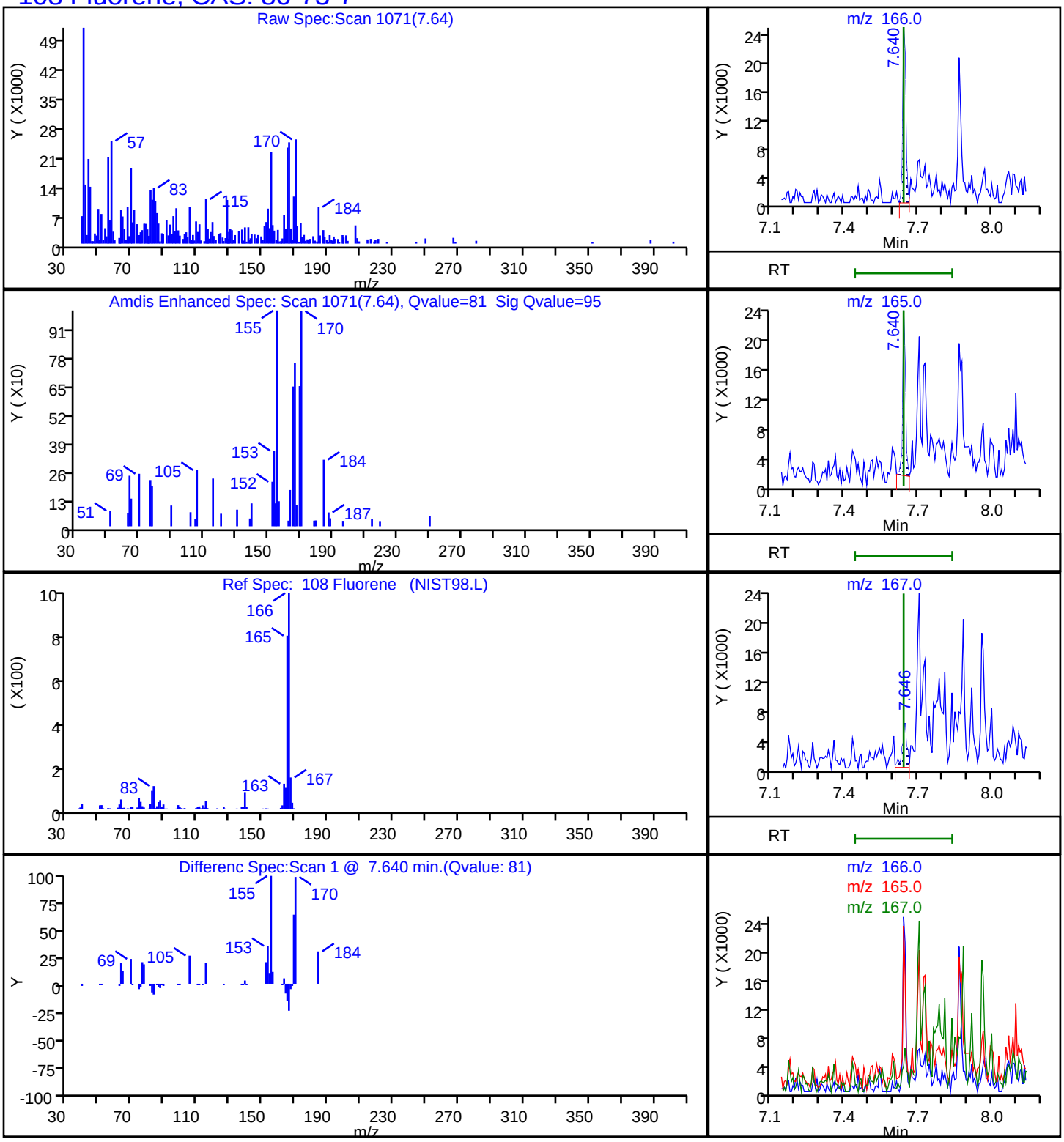
Operator ID: CJS101602 ALS Bottle#: 3 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

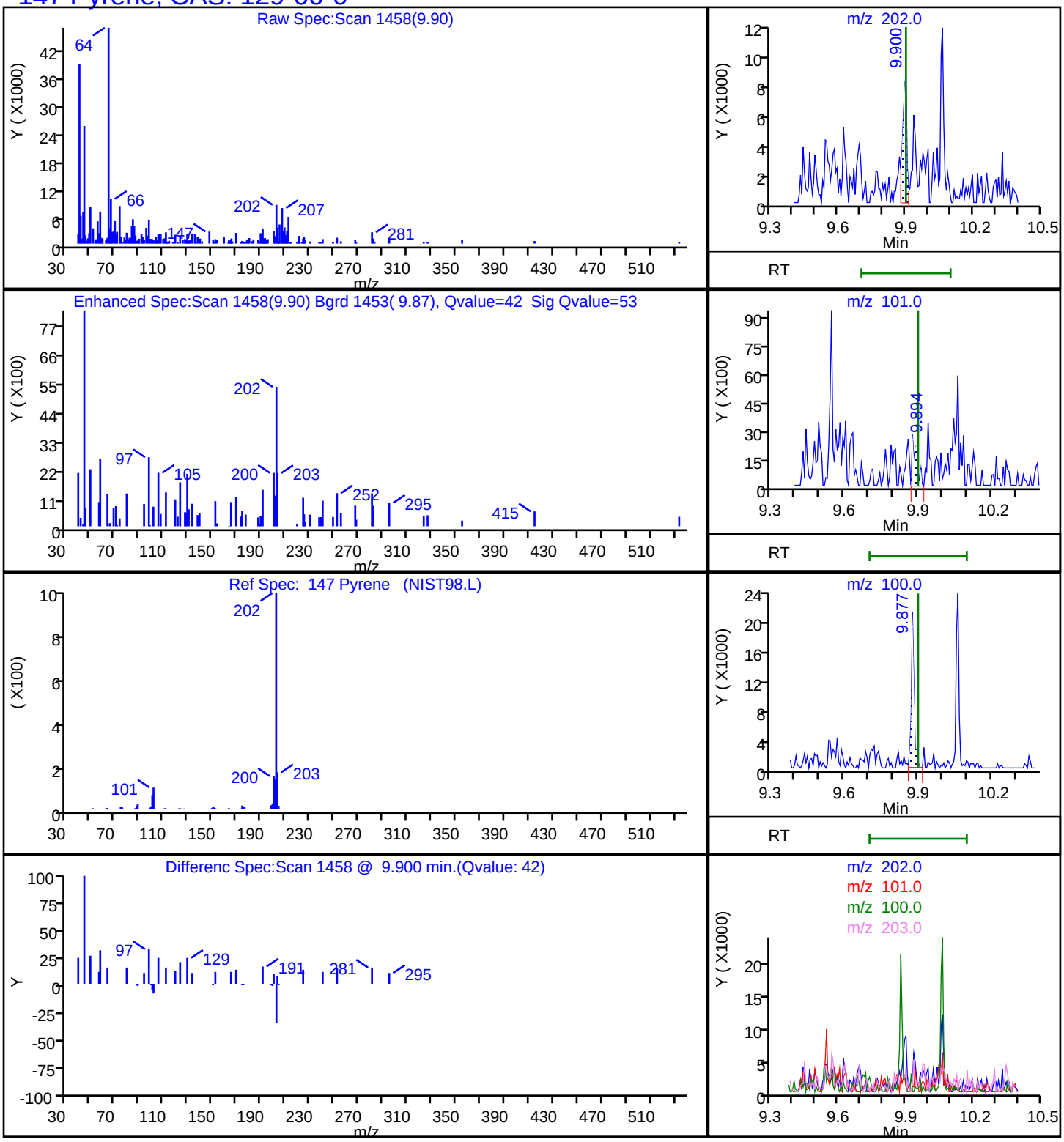
108 Fluorene, CAS: 86-73-7



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

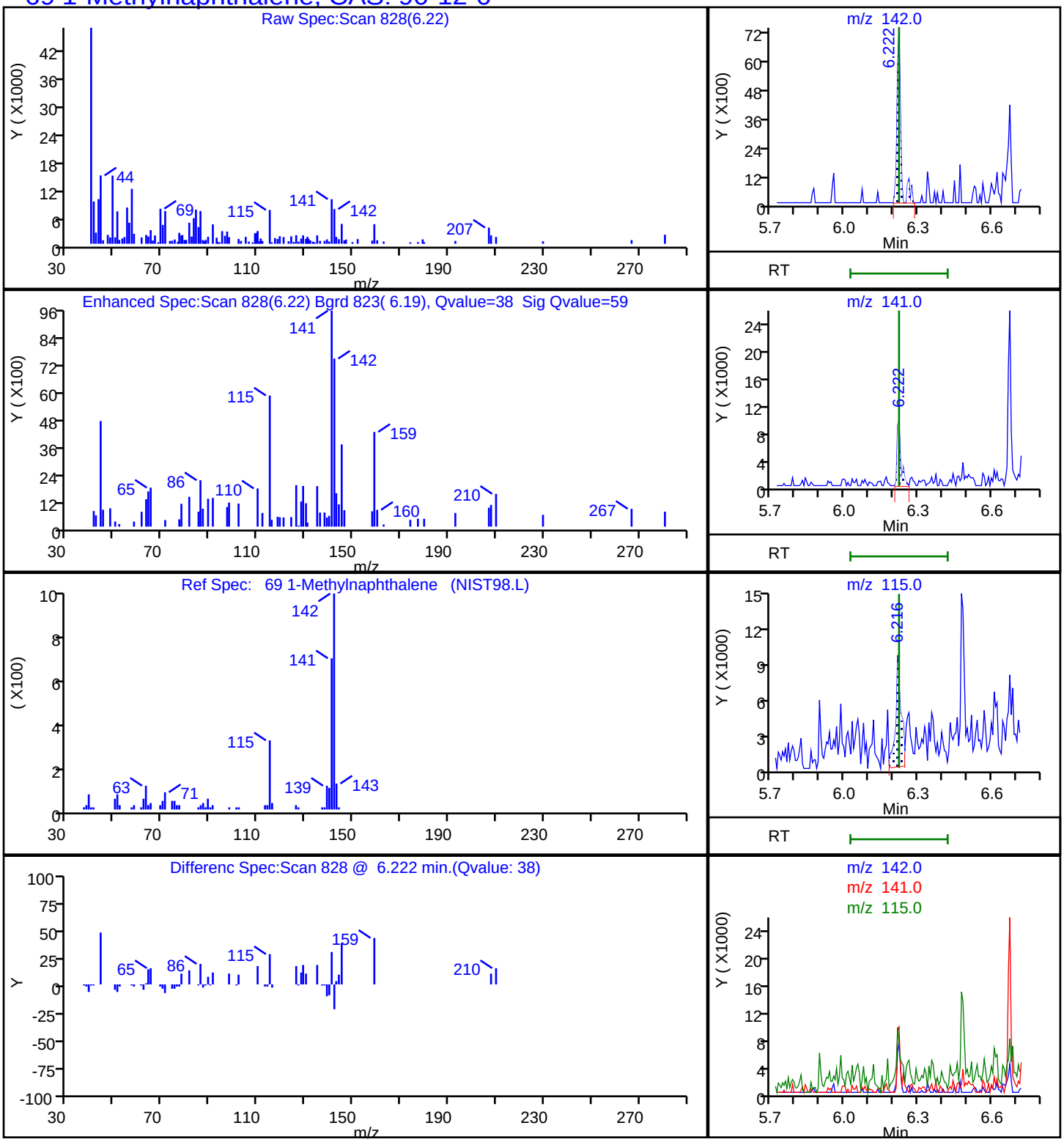
147 Pyrene, CAS: 129-00-0



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D
Injection Date: 06-Jun-2025 09:29:30 Instrument ID: HP23264
Lims ID: MB 410-653575/1-A
Client ID:
Operator ID: CJS101602 ALS Bottle#: 3 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

69 1-Methylnaphthalene, CAS: 90-12-0



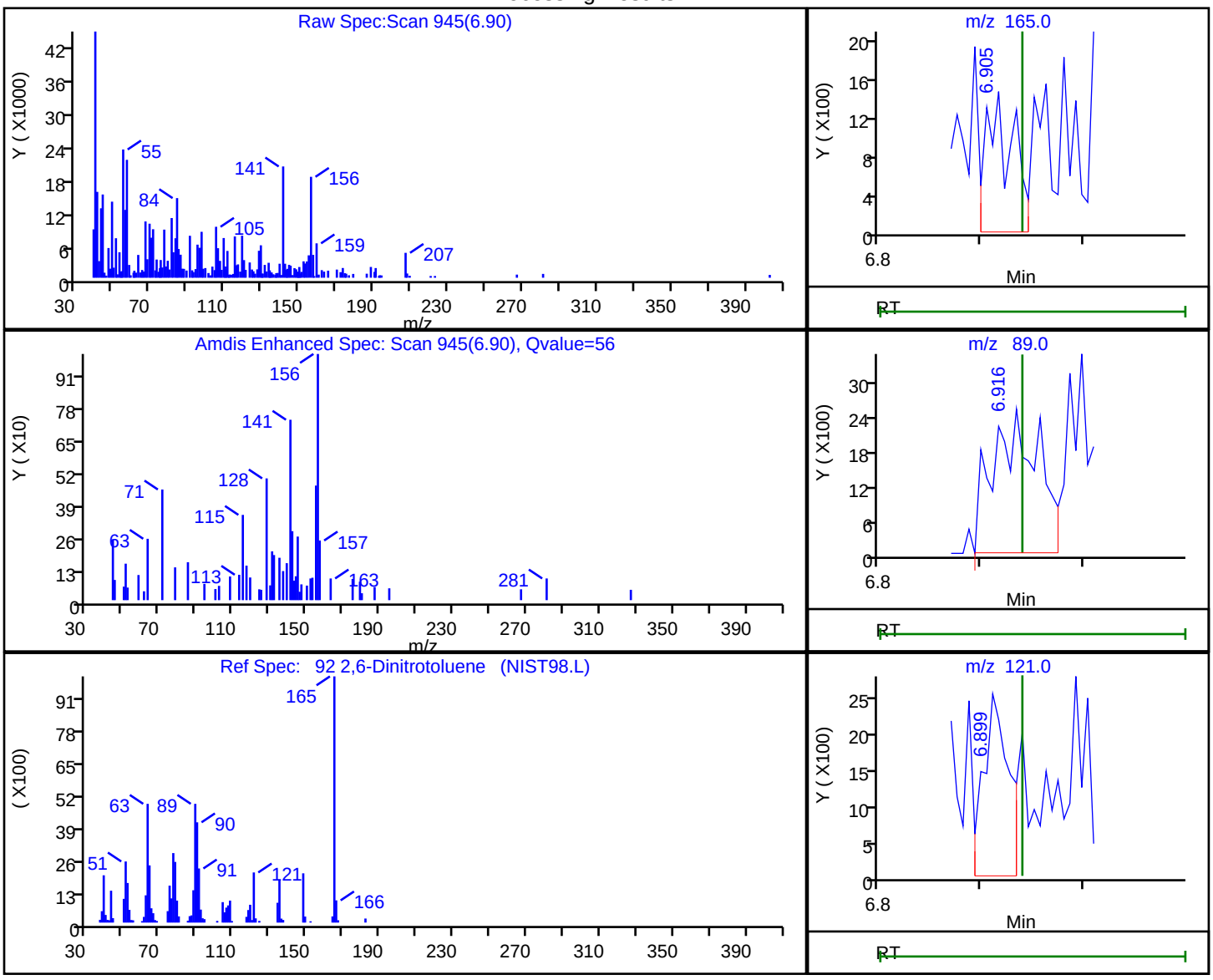
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

92 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
6.90	165.00	2500	0.114586
6.92	89.00	7628	
6.90	121.00	4026	
6.91	63.00	9363	

Reviewer: N5QU, 06-Jun-2025 15:42:21 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

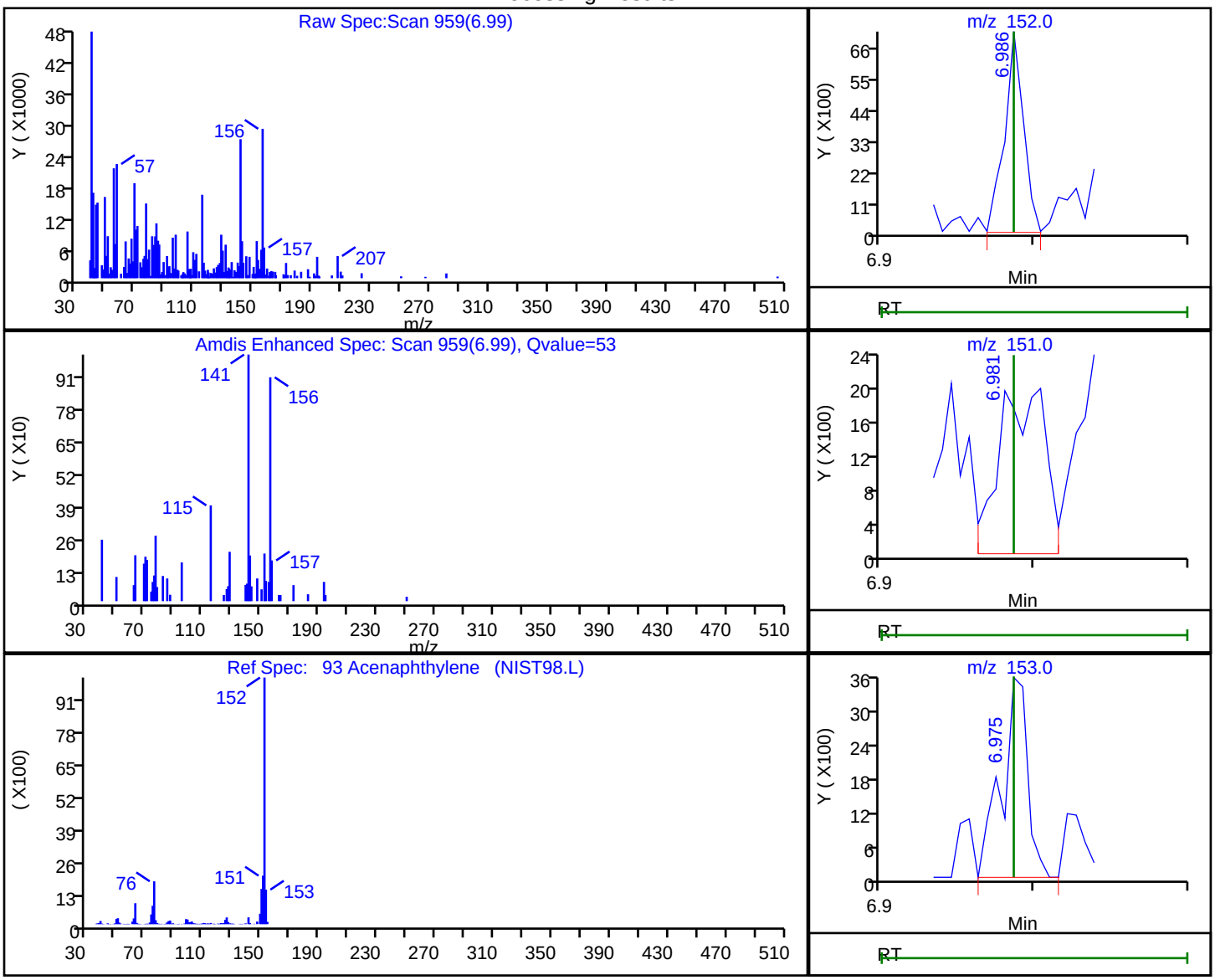
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

93 Acenaphthylene, CAS: 208-96-8

Processing Results



RT	Mass	Response	Amount
6.99	152.00	6103	0.046125
6.98	151.00	4081	
6.97	153.00	4101	

Reviewer: N5QU, 06-Jun-2025 15:42:24 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

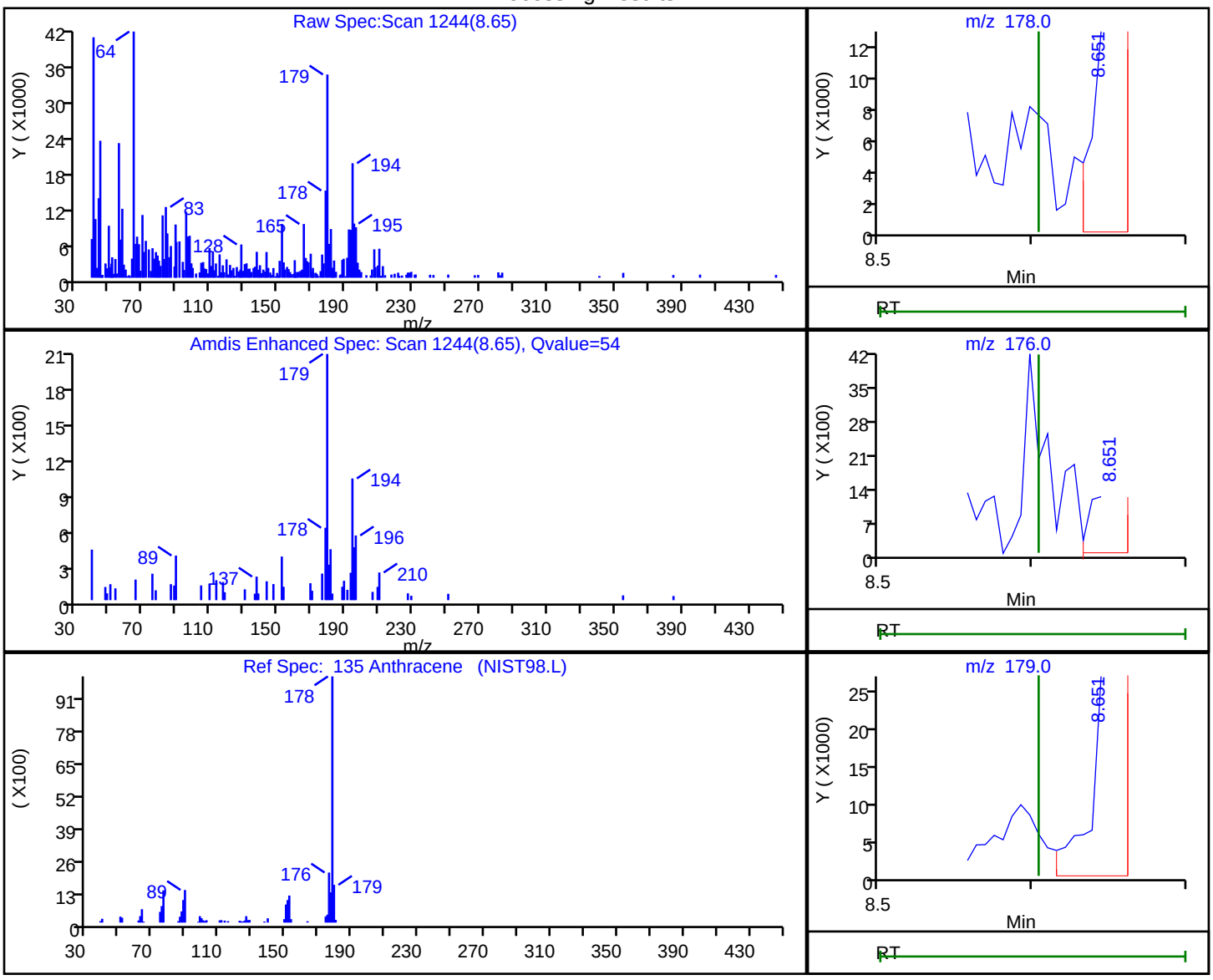
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

135 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
8.65	178.00	16004	0.107860
8.65	176.00	3515	
8.65	179.00	37320	

Reviewer: N5QU, 06-Jun-2025 15:42:41 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

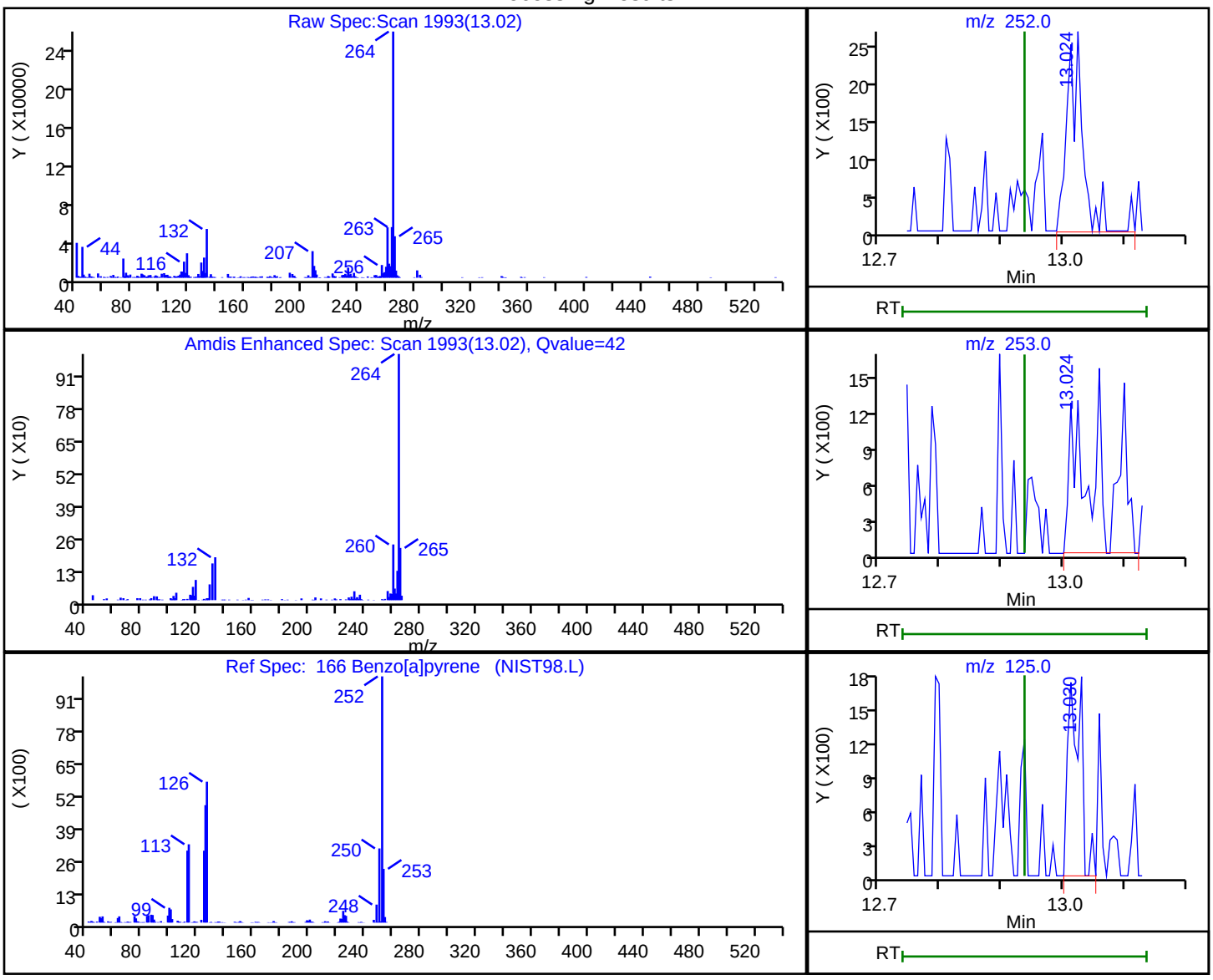
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
13.02	252.00	4689	0.029420
13.02	253.00	4154	
13.03	125.00	2457	

Reviewer: N5QU, 06-Jun-2025 15:42:51 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

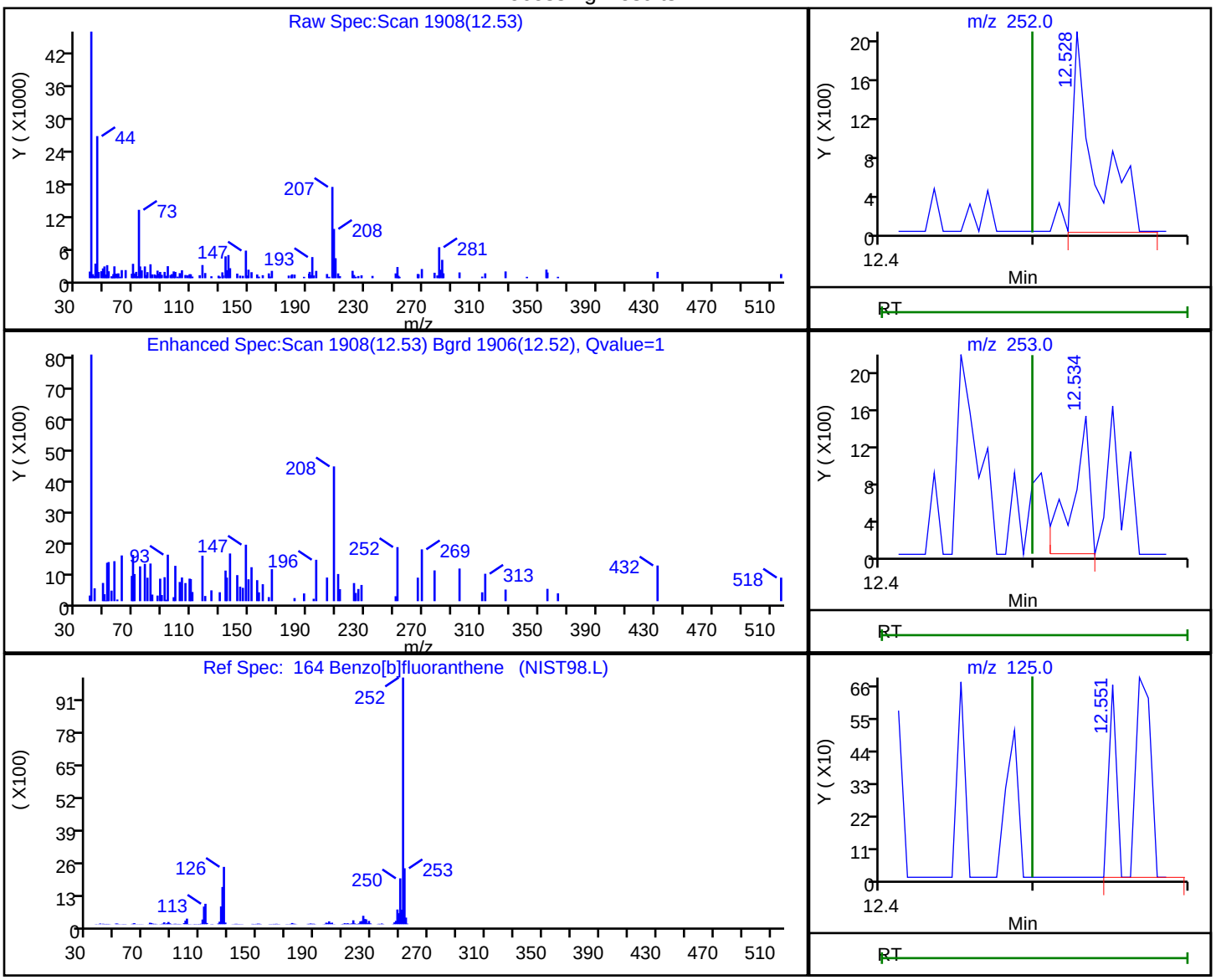
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

164 Benzo[b]fluoranthene, CAS: 205-99-2

Processing Results



RT	Mass	Response	Amount
12.53	252.00	2024	0.013171
12.53	253.00	1124	
12.55	125.00	878	

Reviewer: N5QU, 06-Jun-2025 15:42:49 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

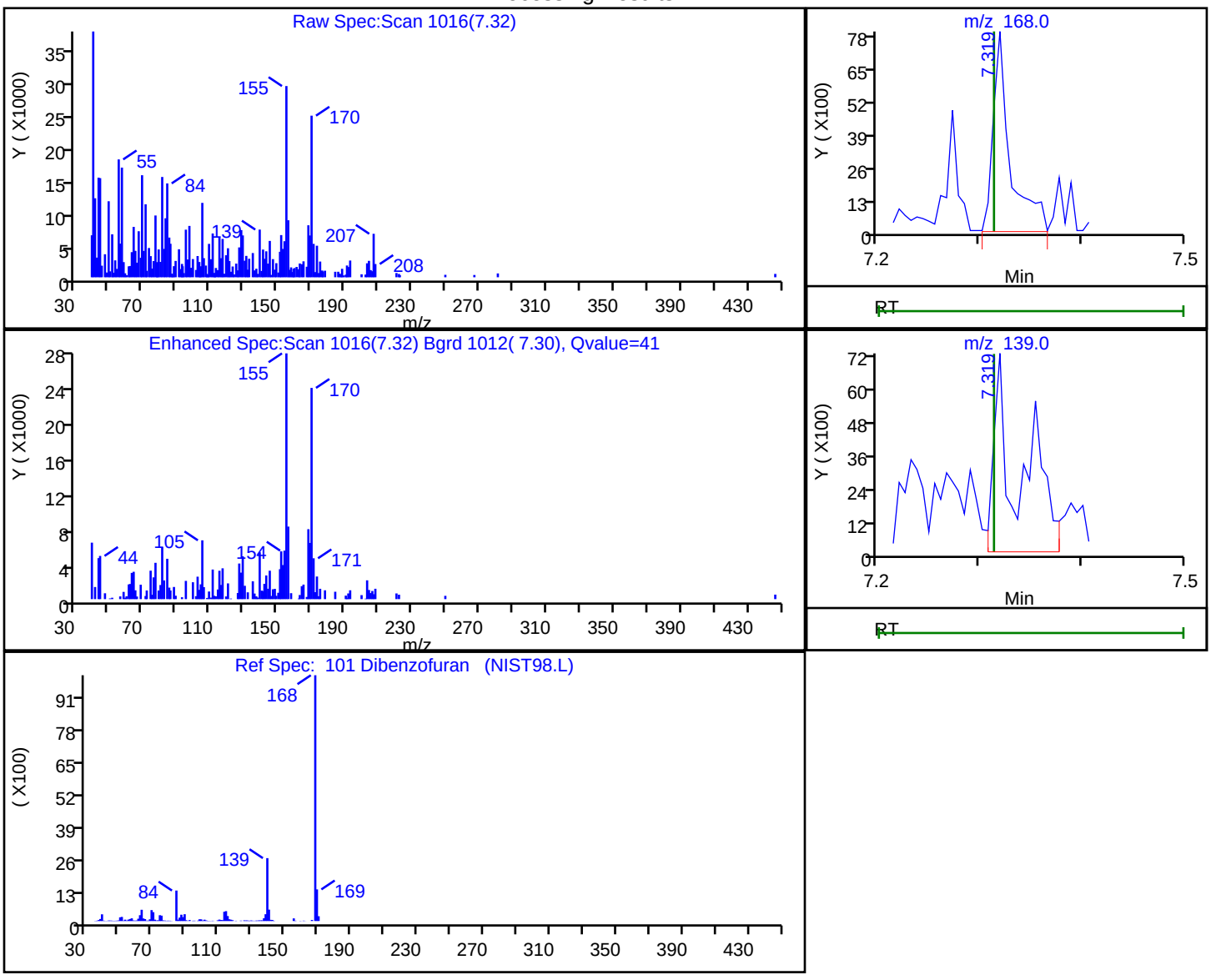
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

101 Dibenzofuran, CAS: 132-64-9

Processing Results



RT	Mass	Response	Amount
7.32	168.00	9092	0.074655
7.32	139.00	12547	

Reviewer: N5QU, 06-Jun-2025 15:42:29 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

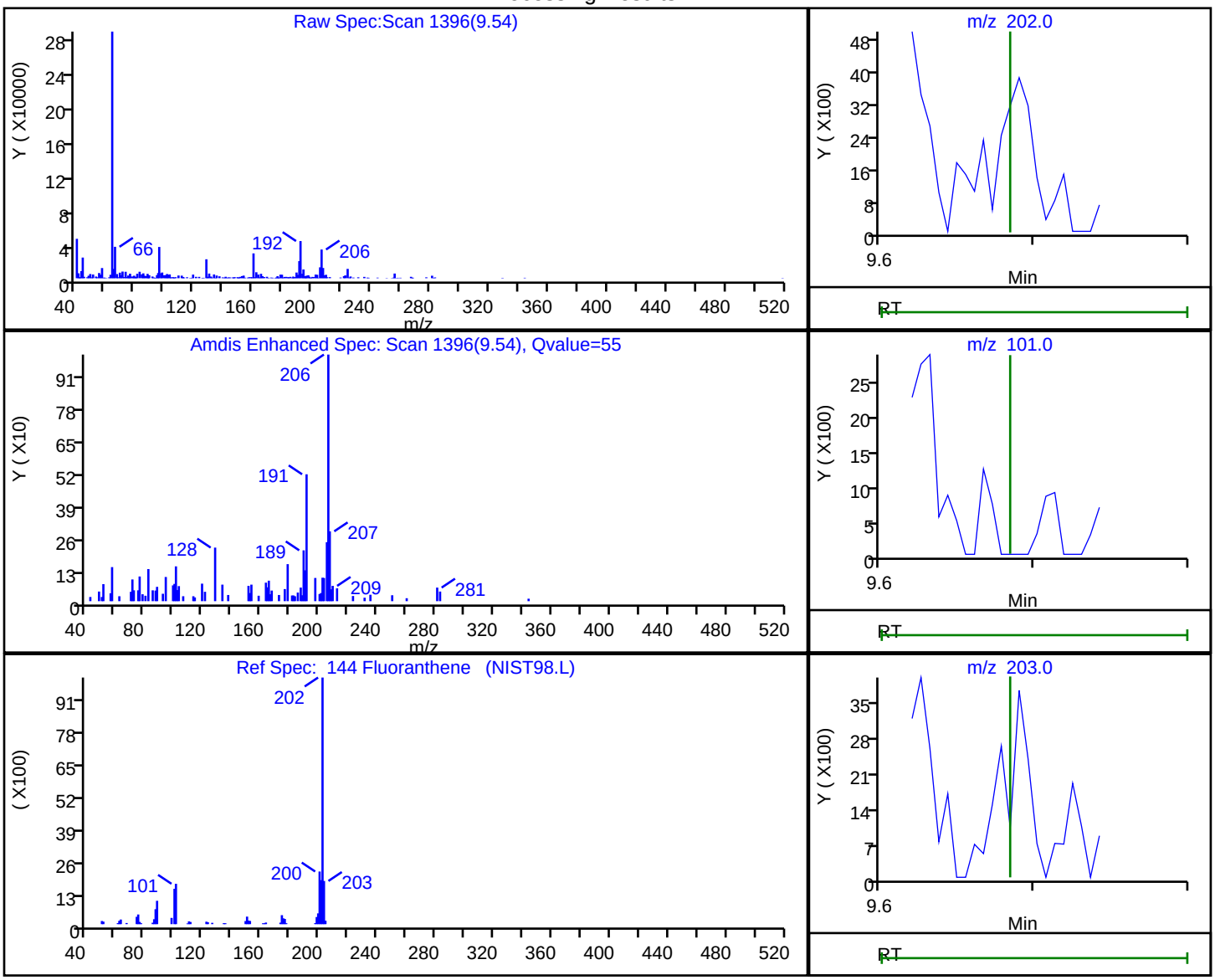
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

144 Fluoranthene, CAS: 206-44-0

Processing Results



RT	Mass	Response	Amount
9.54	202.00	5834	0.036199
9.54	101.00	10707	
9.54	203.00	9350	
9.53	100.00	7072	

Reviewer: N5QU, 06-Jun-2025 15:42:44 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

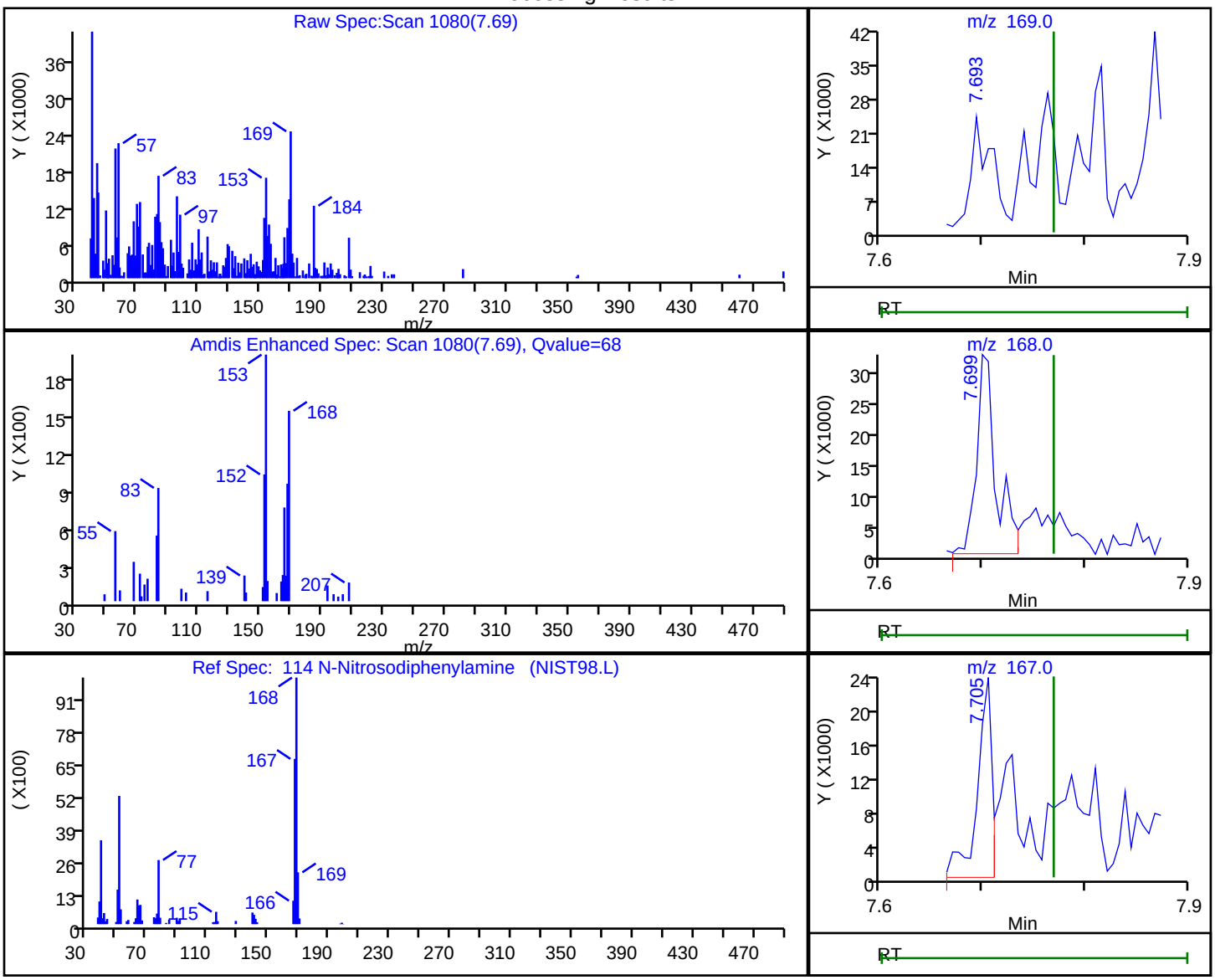
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

114 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.69	169.00	35667	0.456765
7.70	168.00	42195	
7.70	167.00	22625	

Reviewer: N5QU, 06-Jun-2025 15:42:35 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

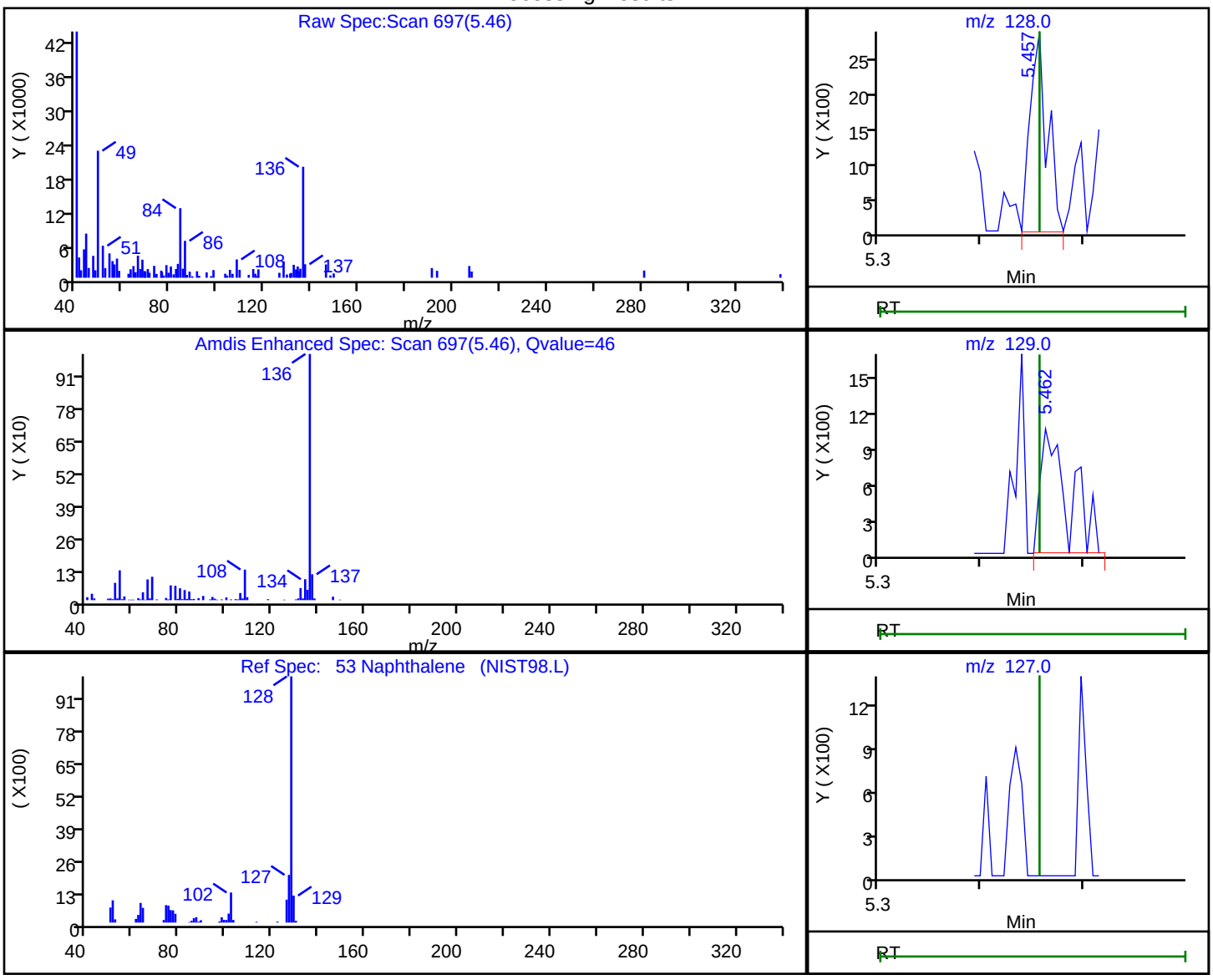
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

53 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
5.46	128.00	3307	0.021798
5.46	129.00	1936	
5.46	127.00	0	

Reviewer: N5QU, 06-Jun-2025 15:42:06 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

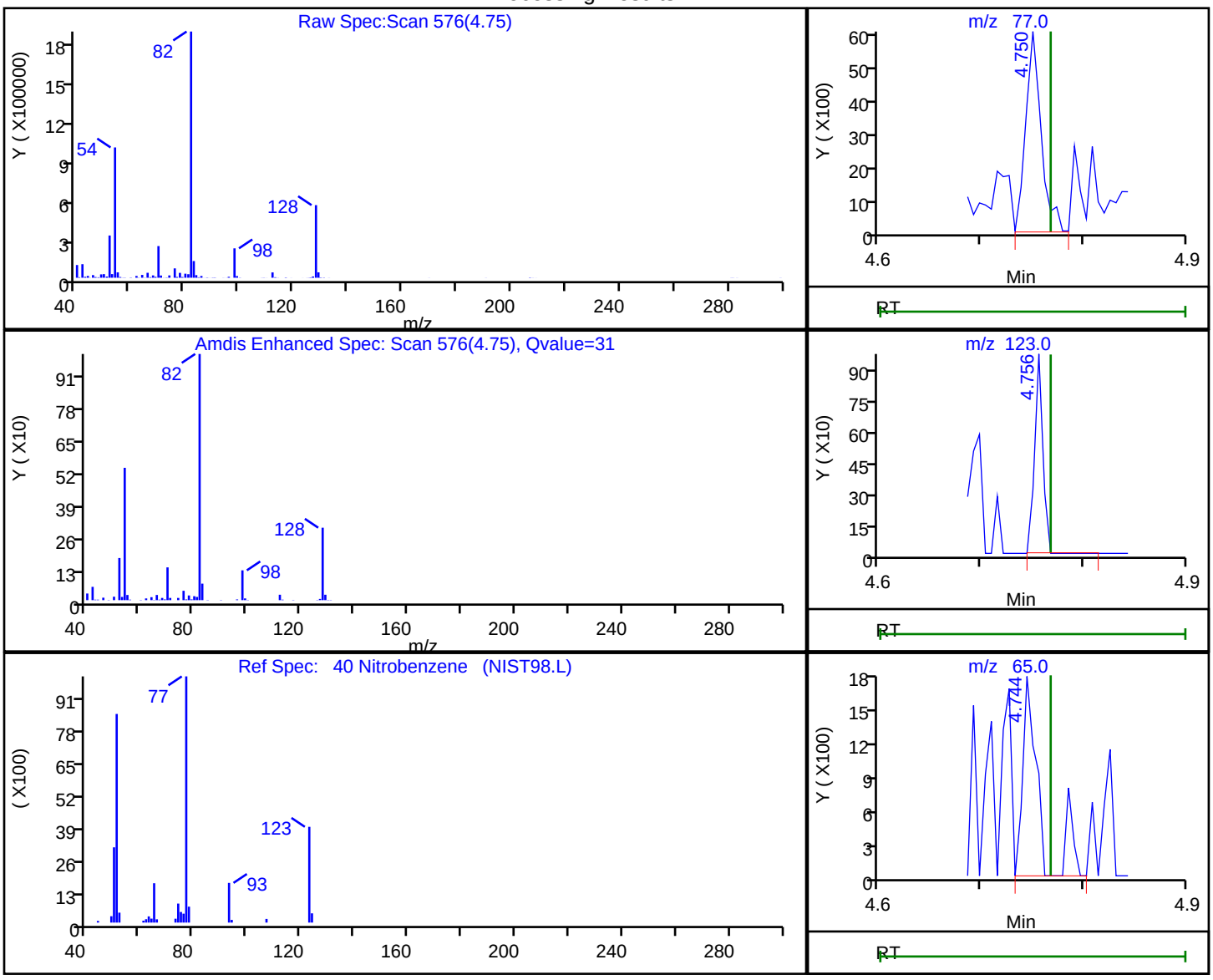
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.75	77.00	6275	0.072100
4.76	123.00	553	
4.74	65.00	1892	

Reviewer: N5QU, 06-Jun-2025 15:41:47 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

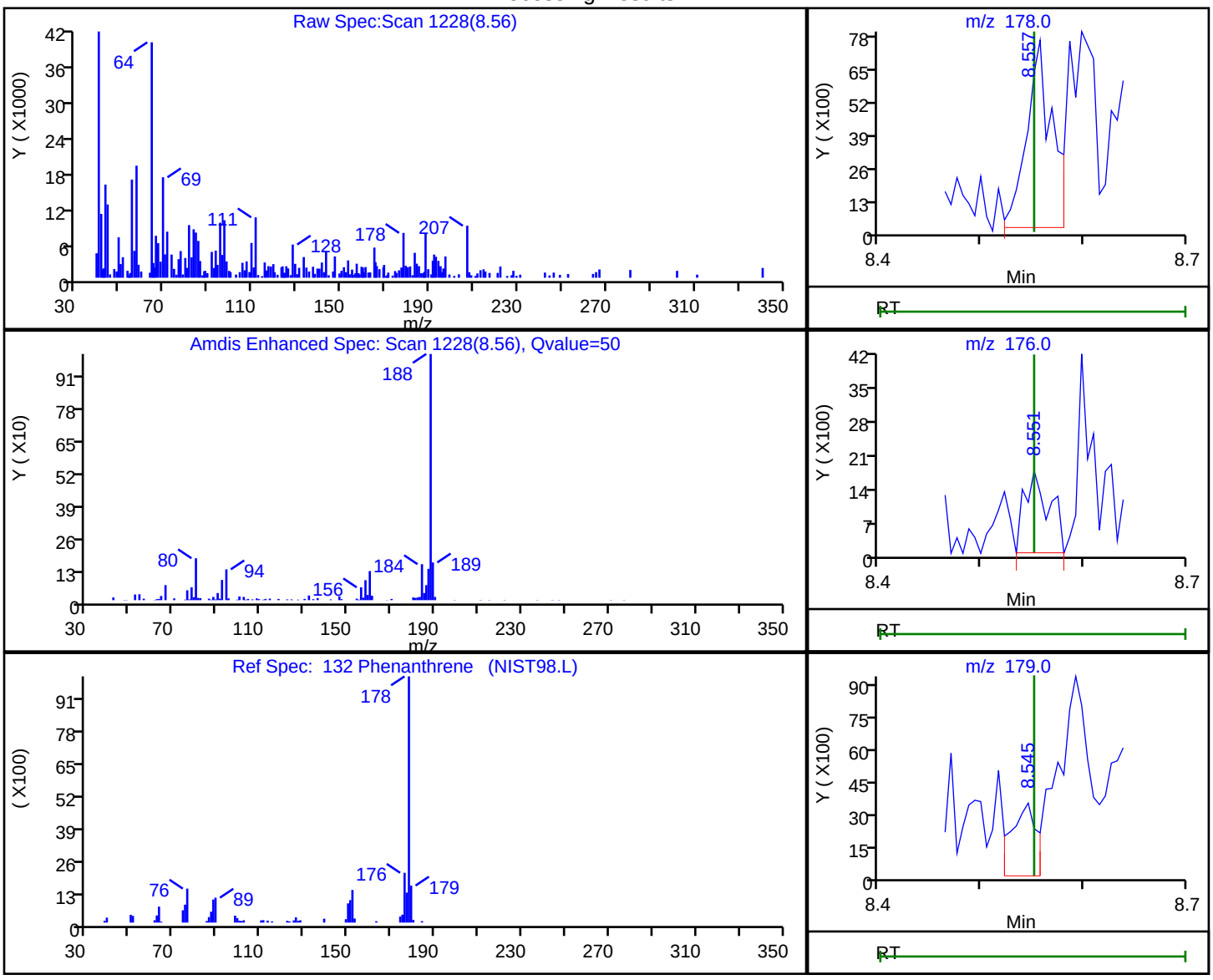
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

132 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
8.56	178.00	12204	0.082613
8.55	176.00	2917	
8.55	179.00	5242	

Reviewer: N5QU, 06-Jun-2025 15:42:40 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

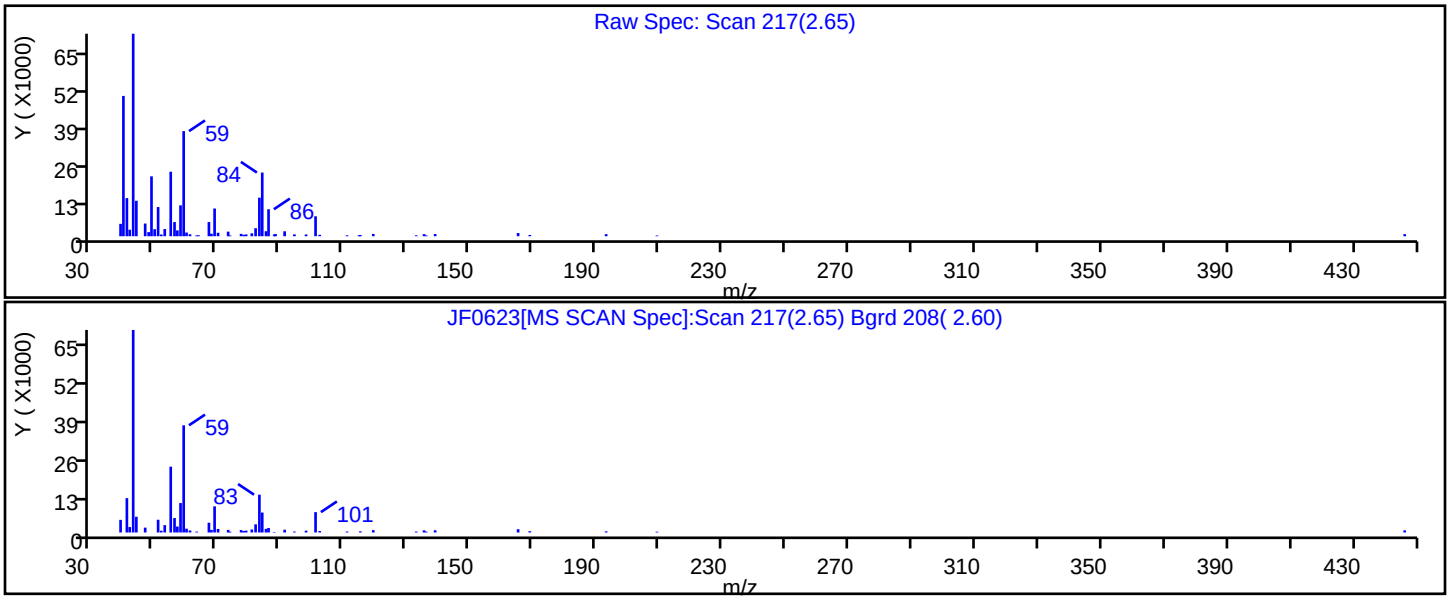
Report Date: 06-Jun-2025 15:51:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D

Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

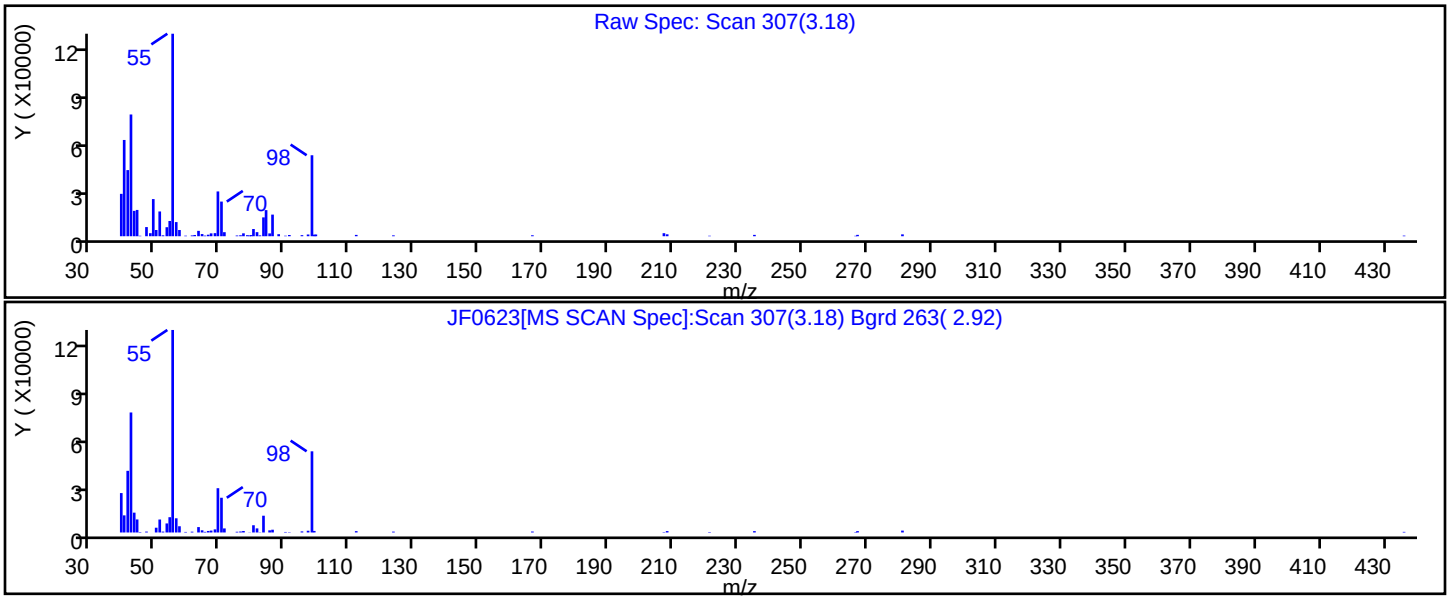


Report Date: 06-Jun-2025 15:51:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

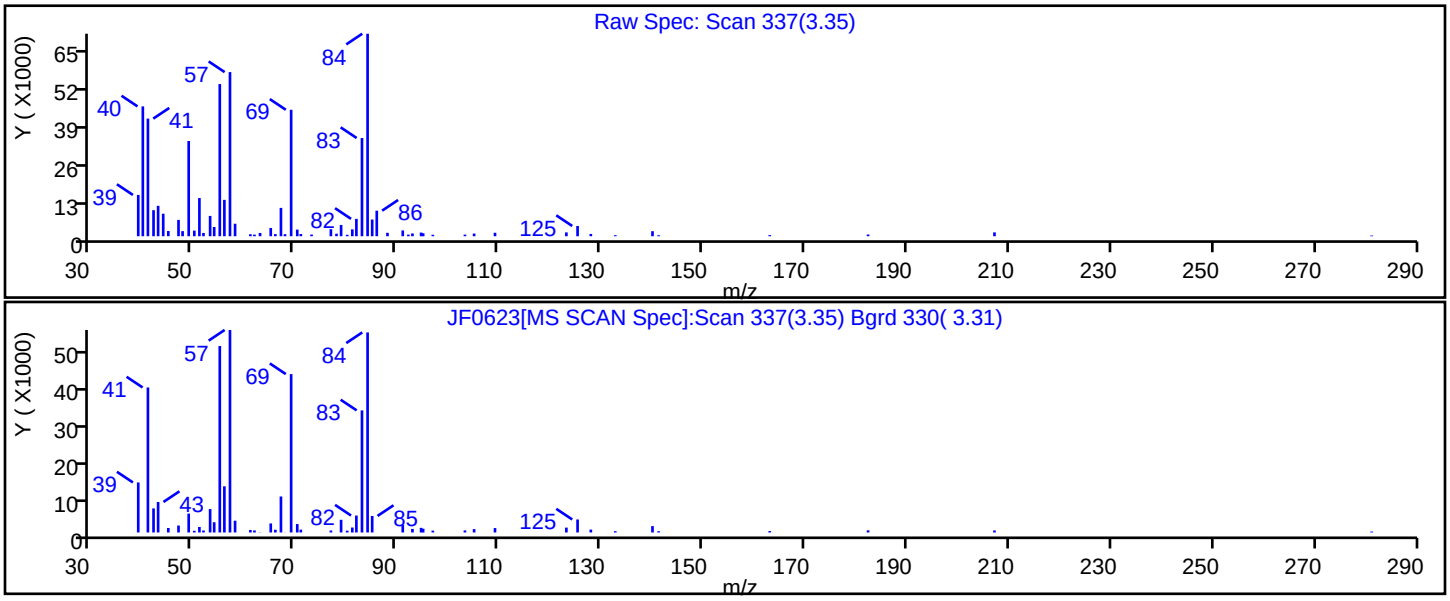


Report Date: 06-Jun-2025 15:51:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85

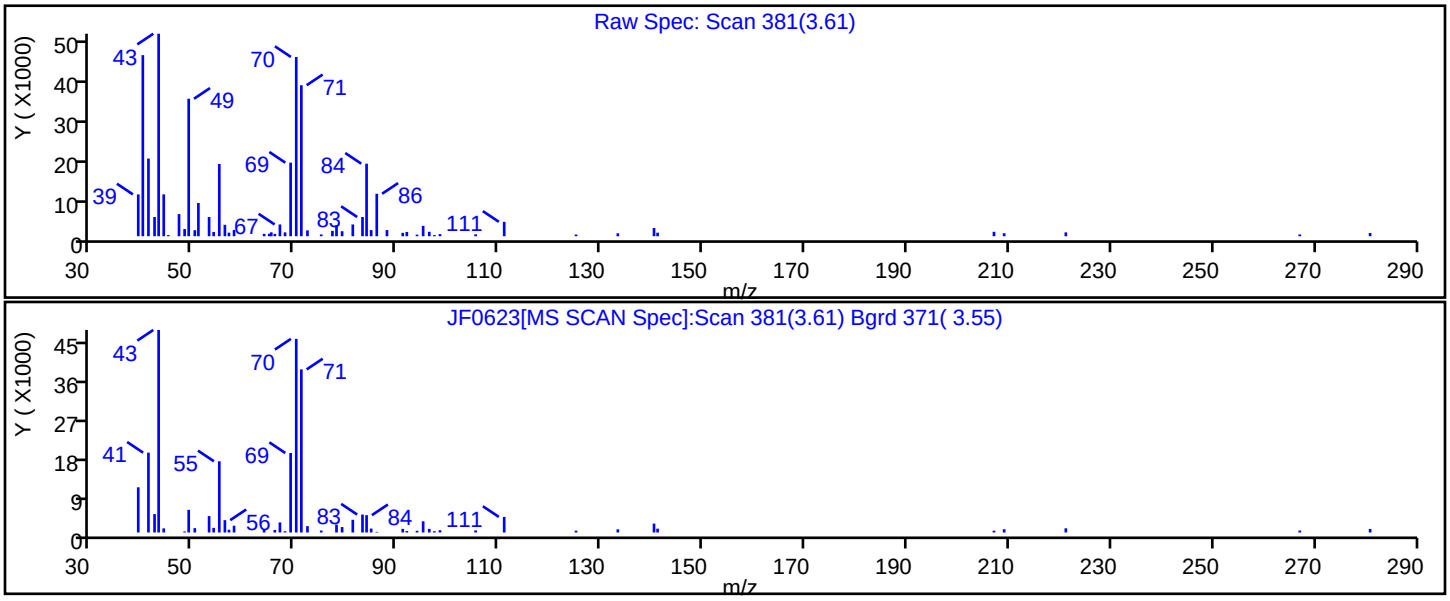


Report Date: 06-Jun-2025 15:51:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



Report Date: 06-Jun-2025 15:51:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D

Injection Date: 06-Jun-2025 09:29:30 Instrument ID: HP23264

Lims ID: MB 410-653575/1-A

Client ID:

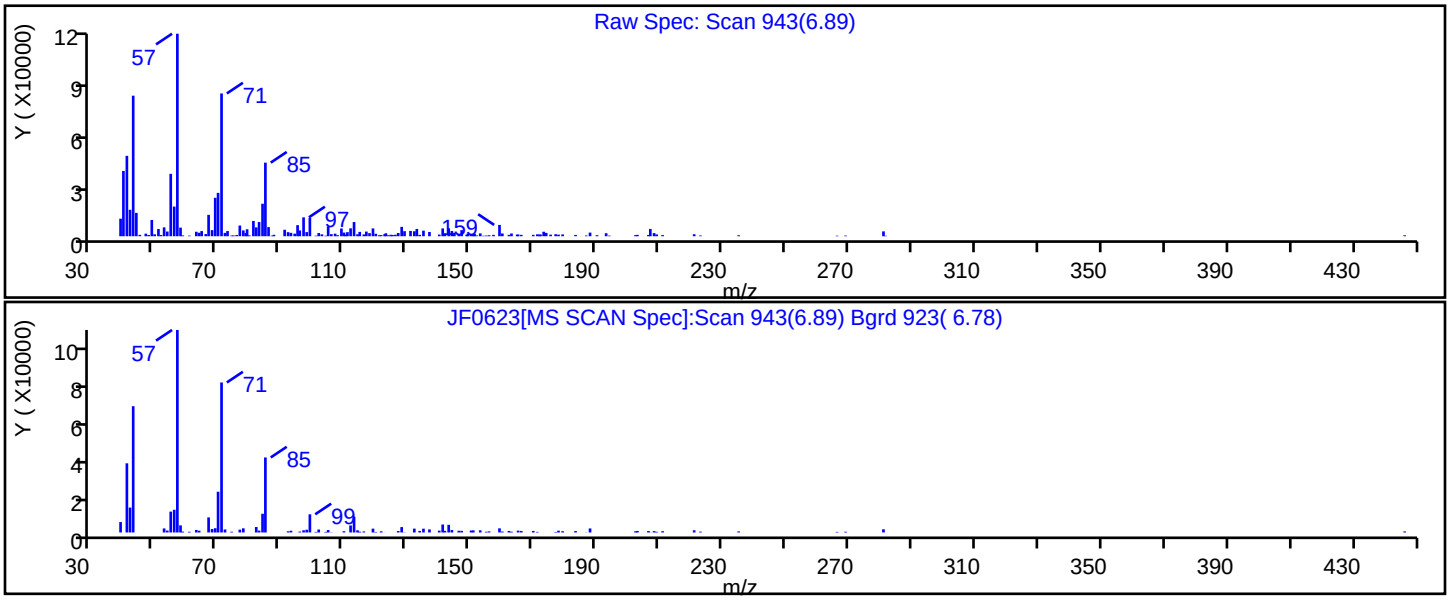
Operator ID: CJS101602 ALS Bottle#: 3 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: Detector MS SCAN

No Library Matches Found above the Threshold: 85

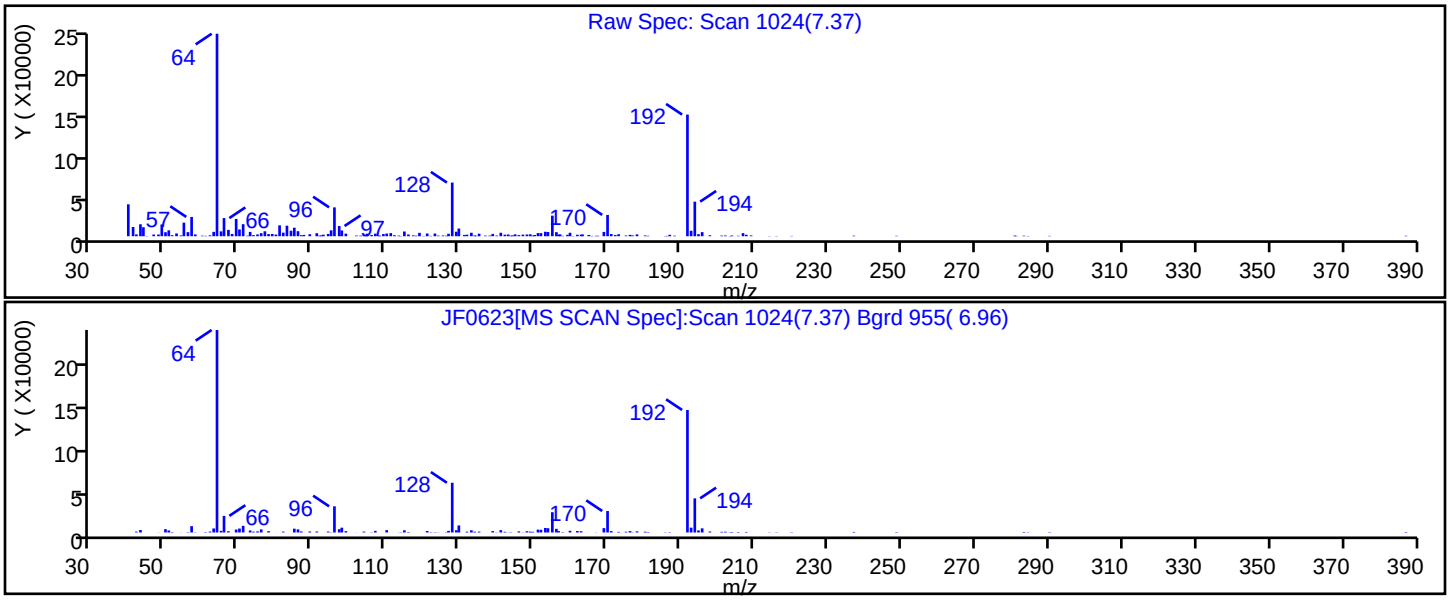


Report Date: 06-Jun-2025 15:51:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



Report Date: 06-Jun-2025 15:51:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D

Injection Date: 06-Jun-2025 09:29:30 Instrument ID: HP23264

Lims ID: MB 410-653575/1-A

Client ID:

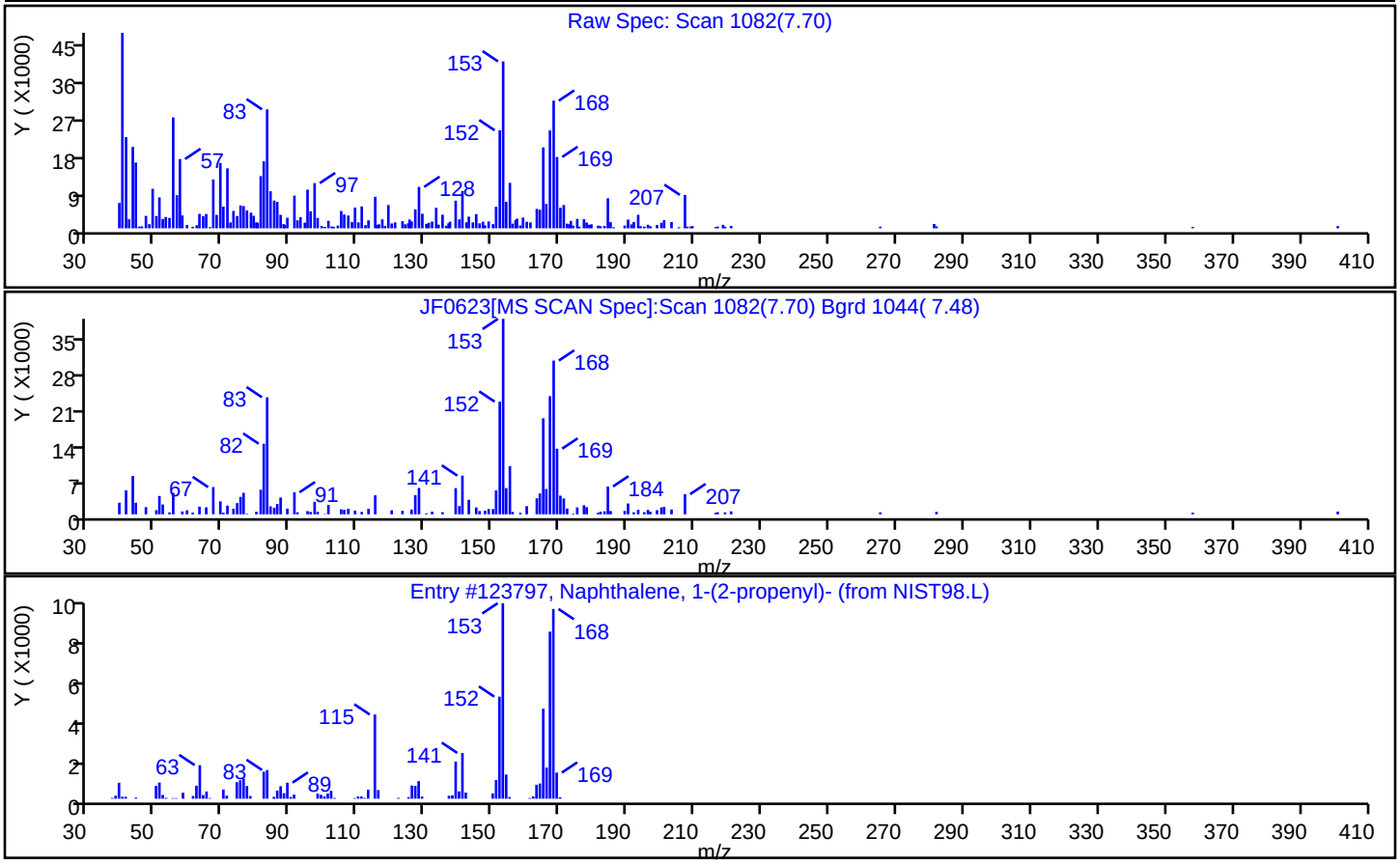
Operator ID: CJS101602 ALS Bottle#: 3 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Naphthalene, 1-(2-propenyl)-	2489-86-3	NIST98.L	123797	C13H12	168	92

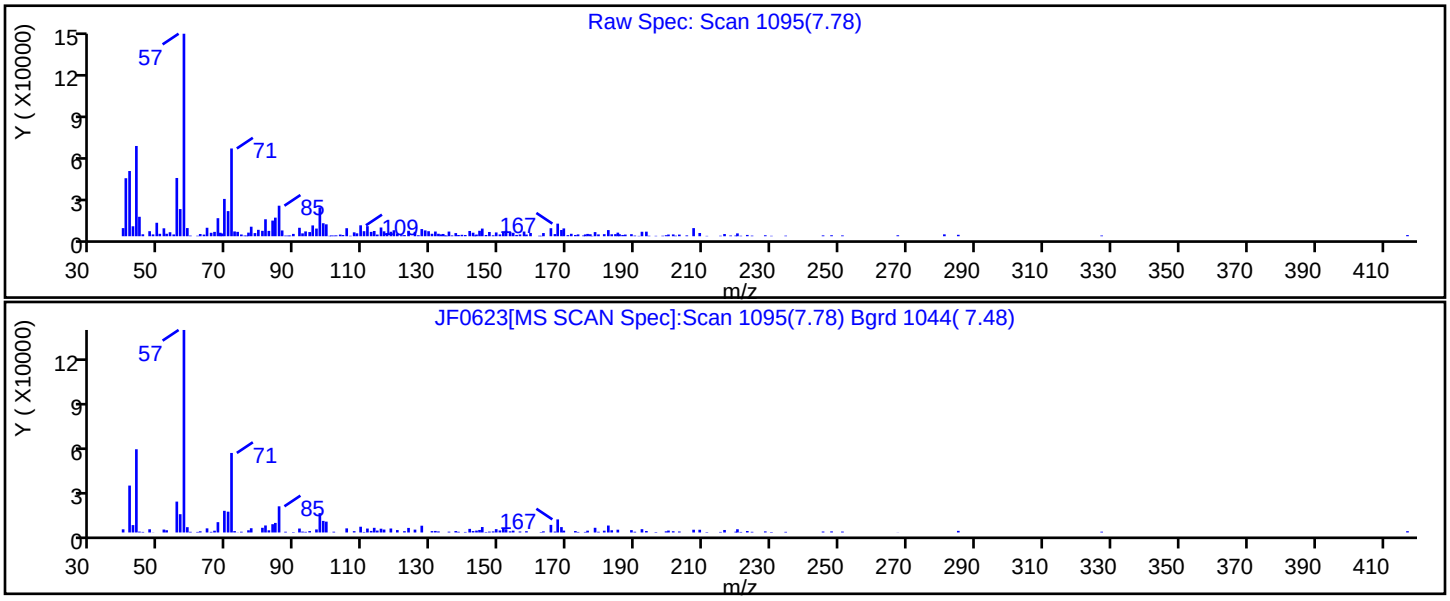


Report Date: 06-Jun-2025 15:51:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



Report Date: 06-Jun-2025 15:51:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D

Injection Date: 06-Jun-2025 09:29:30 Instrument ID: HP23264

Lims ID: MB 410-653575/1-A

Client ID:

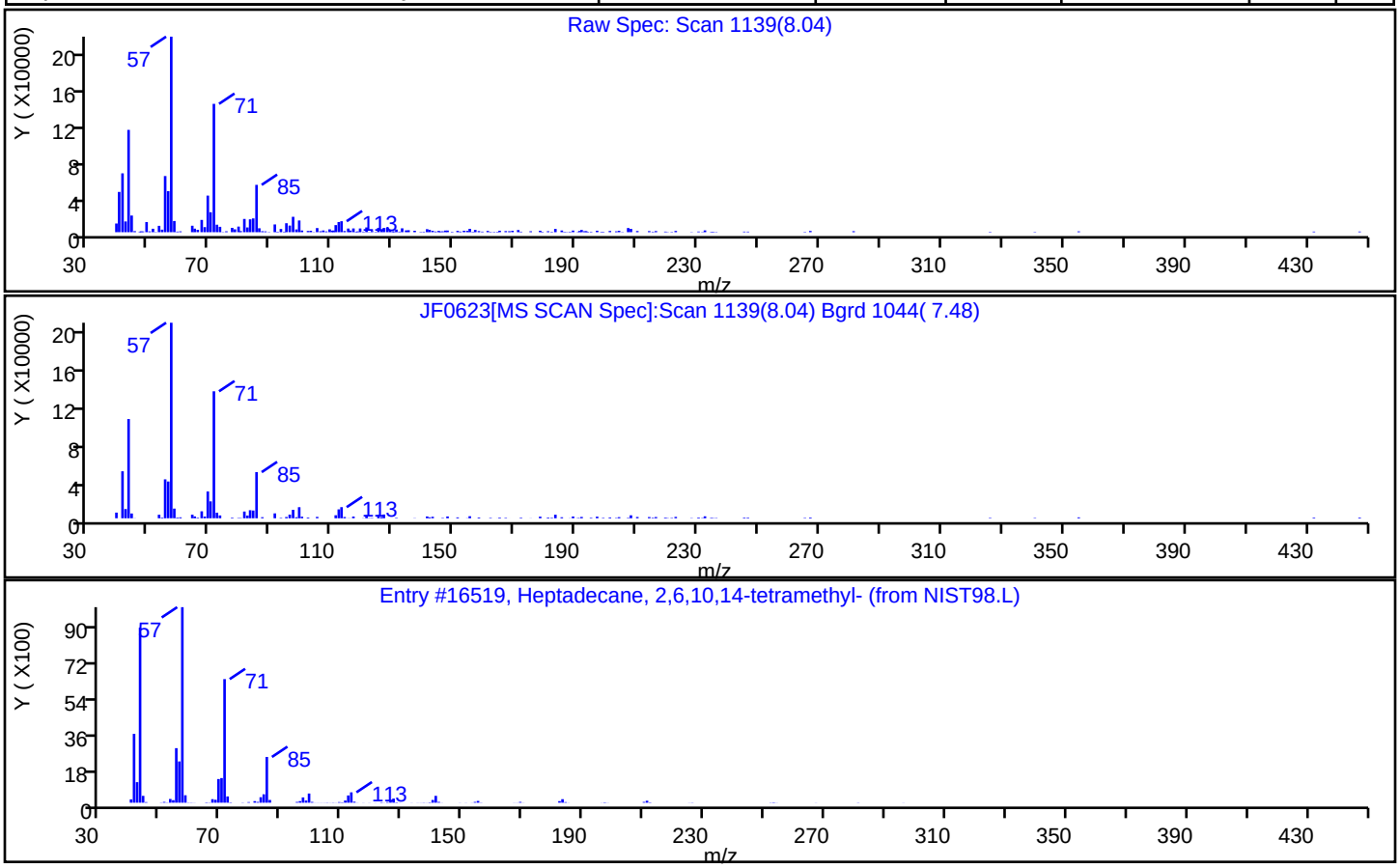
Operator ID: CJS101602 ALS Bottle#: 3 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Heptadecane, 2,6,10,14-tetramethyl-	18344-37-1	NIST98.L	16519	C21H44	296	86

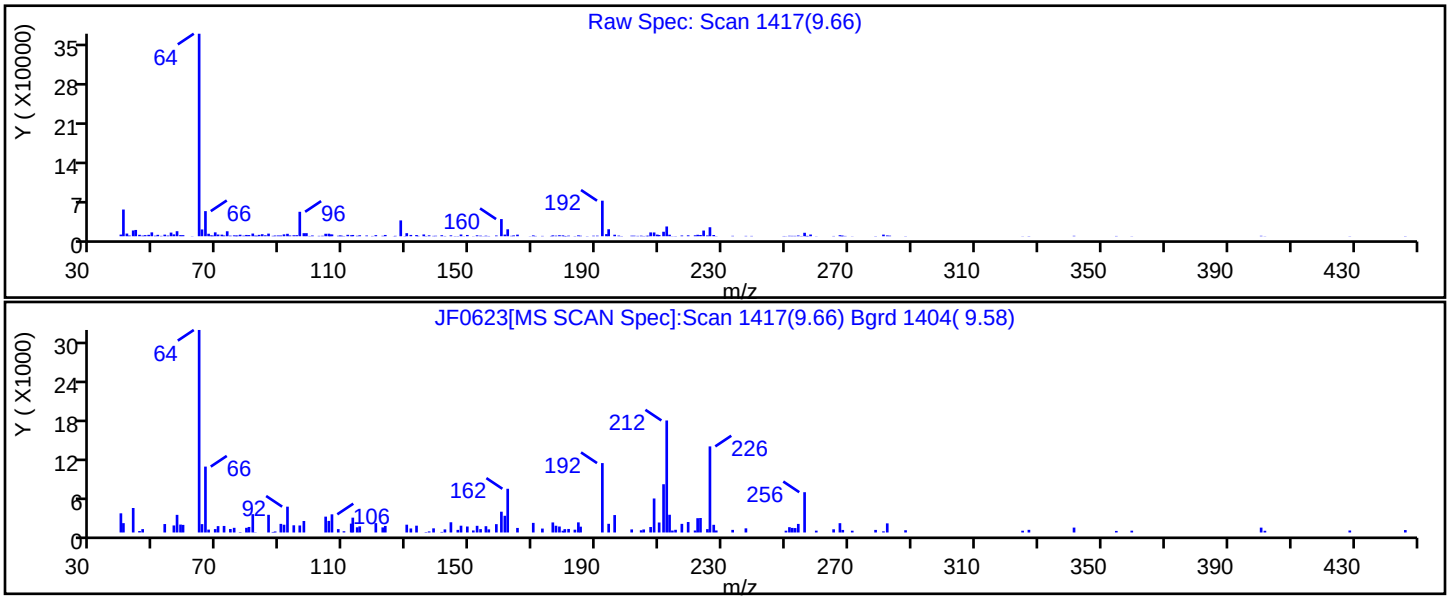


Report Date: 06-Jun-2025 15:51:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D				
Injection Date:	06-Jun-2025 09:29:30	Instrument ID:	HP23264		
Lims ID:	MB 410-653575/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	3	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



Report Date: 06-Jun-2025 15:51:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0623.D

Injection Date: 06-Jun-2025 09:29:30 Instrument ID: HP23264

Lims ID: MB 410-653575/1-A

Client ID:

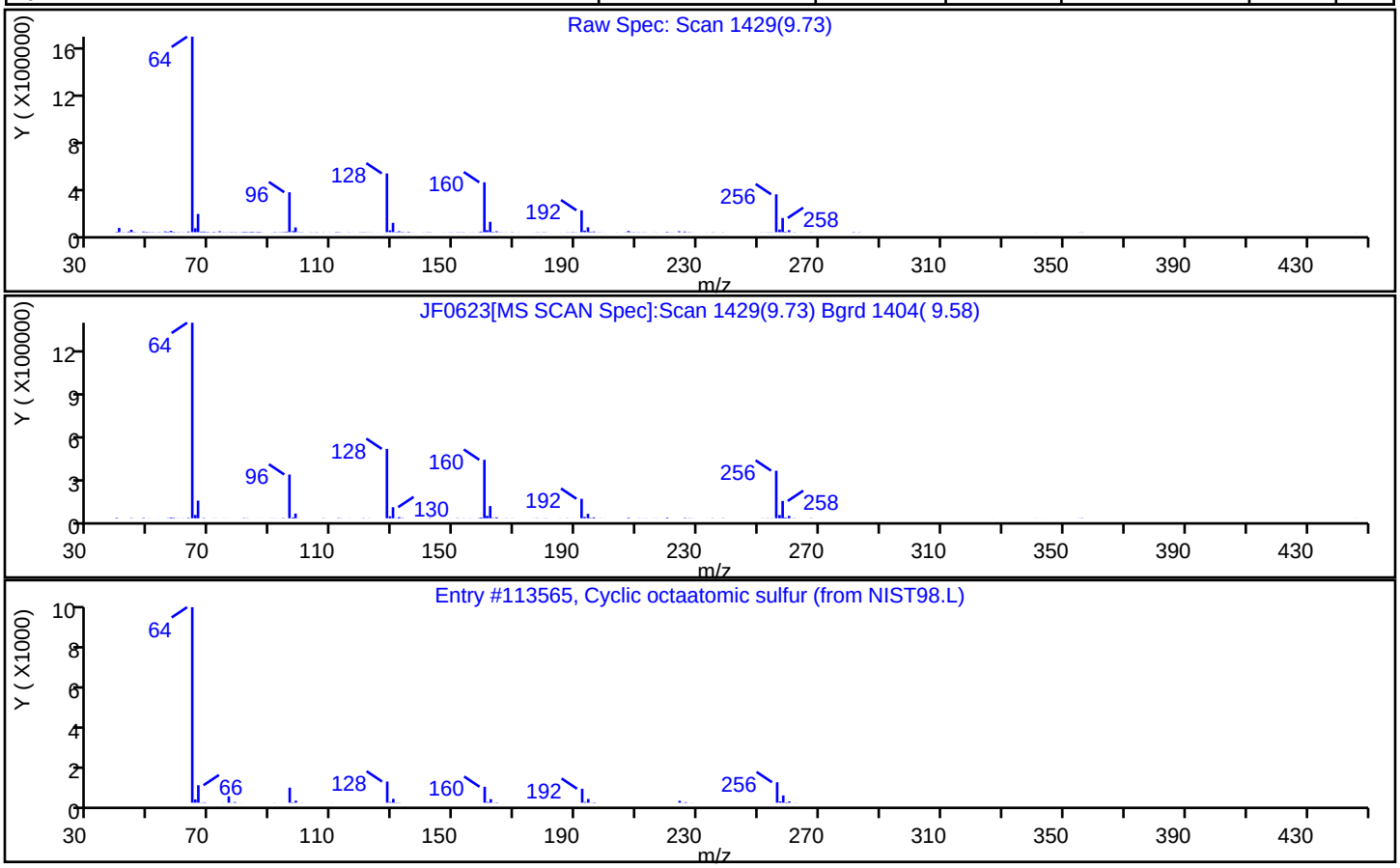
Operator ID: CJS101602 ALS Bottle#: 3 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Cyclic octaatomic sulfur	10544-50-0	NIST98.L	113565	S8	256	94



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-655289/1-A

Matrix: Water
Lab File ID: DF1053.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/10/2025 07:46

Sample wt/vol: 250(mL)
Date Analyzed: 06/10/2025 20:23

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 655733
Units: ug/L

Preparation Batch No.: 655289
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		2.0	0.50
108-60-1	bis(1-chloroispropyl)ether	ND		2.0	0.50
95-95-4	2,4,5-Trichlorophenol	ND		2.0	0.50
88-06-2	2,4,6-Trichlorophenol	ND		2.0	0.50
120-83-2	2,4-Dichlorophenol	ND		2.0	0.50
105-67-9	2,4-Dimethylphenol	ND		10	3.0
51-28-5	2,4-Dinitrophenol	ND		30	14
121-14-2	2,4-Dinitrotoluene	ND		5.0	1.0
606-20-2	2,6-Dinitrotoluene	ND		2.0	0.50
91-58-7	2-Chloronaphthalene	ND		1.0	0.40
95-57-8	2-Chlorophenol	ND		2.0	0.50
91-57-6	2-Methylnaphthalene	ND		0.50	0.10
95-48-7	2-Methylphenol	ND		2.0	0.50
88-74-4	2-Nitroaniline	ND		5.0	1.0
88-75-5	2-Nitrophenol	ND		5.0	1.0
91-94-1	3,3'-Dichlorobenzidine	ND		10	4.0
99-09-2	3-Nitroaniline	ND		5.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	ND		21	8.0
101-55-3	4-Bromophenyl-phenylether	ND		2.0	0.50
59-50-7	4-Chloro-3-methylphenol	ND		5.0	1.0
106-47-8	4-Chloroaniline	ND		10	4.0
7005-72-3	4-Chlorophenyl-phenyl ether	ND		2.0	0.50
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	ND		2.0	0.50
100-01-6	4-Nitroaniline	ND		3.0	0.90
100-02-7	4-Nitrophenol	ND		30	10
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
98-86-2	Acetophenone	ND		5.0	1.0
120-12-7	Anthracene	ND		0.50	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-655289/1-A

Matrix: Water
Lab File ID: DF1053.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/10/2025 07:46

Sample wt/vol: 250(mL)
Date Analyzed: 06/10/2025 20:23

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 655733
Units: ug/L

Preparation Batch No.: 655289
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	*Atrazine*	*ND*		*5.0*	*1.0*
100-52-7	*Benzaldehyde*	*ND*		*5.0*	*1.0*
56-55-3	*Benzo[a]anthracene*	*ND*		*0.50*	*0.10*
50-32-8	*Benzo[a]pyrene*	*ND*		*0.50*	*0.11*
205-99-2	*Benzo[b]fluoranthene*	*ND*		*0.50*	*0.10*
191-24-2	*Benzo[g,h,i]perylene*	*ND*		*0.50*	*0.10*
207-08-9	*Benzo[k]fluoranthene*	*ND*		*0.50*	*0.10*
85-68-7	*Butylbenzylphthalate*	*ND*		*5.0*	*2.0*
105-60-2	*Caprolactam*	*ND*		*7.0*	*3.0*
86-74-8	*Carbazole*	*ND*		*2.0*	*0.50*
218-01-9	*Chrysene*	*ND*		*0.50*	*0.10*
84-74-2	*Di-n-butyl phthalate*	*ND*		*5.0*	*2.0*
117-84-0	*Di-n-octyl phthalate*	*ND*		*11*	*5.0*
53-70-3	*Dibenz(a,h)anthracene*	*ND*		*0.50*	*0.10*
132-64-9	*Dibenzofuran*	*ND*		*2.0*	*0.50*
84-66-2	*Diethyl phthalate*	*ND*		*5.0*	*2.0*
131-11-3	*Dimethyl phthalate*	*ND*		*5.0*	*2.0*
206-44-0	*Fluoranthene*	*ND*		*0.50*	*0.10*
86-73-7	*Fluorene*	*ND*		*0.50*	*0.12*
118-74-1	*Hexachlorobenzene*	*ND*		*0.50*	*0.11*
87-68-3	*Hexachlorobutadiene*	*ND*		*2.0*	*0.50*
77-47-4	*Hexachlorocyclopentadiene*	*ND*		*11*	*5.0*
67-72-1	*Hexachloroethane*	*ND*		*5.0*	*0.50*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*ND*		*0.50*	*0.11*
78-59-1	*Isophorone*	*ND*		*2.0*	*0.50*
621-64-7	*N-Nitrosodi-n-propylamine*	*ND*		*2.0*	*0.50*
86-30-6	*N-Nitrosodiphenylamine*	*ND*		*2.0*	*0.50*
91-20-3	*Naphthalene*	*ND*		*0.50*	*0.26*
98-95-3	*Nitrobenzene*	*ND*		*2.0*	*0.50*
87-86-5	*Pentachlorophenol*	*ND*		*5.0*	*2.6*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-655289/1-A

Matrix: Water
Lab File ID: DF1053.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/10/2025 07:46

Sample wt/vol: 250(mL)
Date Analyzed: 06/10/2025 20:23

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 655733
Units: ug/L

Preparation Batch No.: 655289
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	*Phenanthrene*	*ND*		*0.50*	*0.11*
108-95-2	*Phenol*	*ND*		*2.0*	*0.50*
129-00-0	*Pyrene*	*ND*		*0.50*	*0.10*
111-91-1	*Bis(2-chloroethoxy)methane*	*ND*		*2.0*	*0.50*
111-44-4	*Bis(2-chloroethyl)ether*	*ND*		*2.0*	*0.50*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*ND*		*5.0*	*2.0*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	84		13-134
321-60-8	2-Fluorobiphenyl (Surr)	82		45-120
367-12-4	2-Fluorophenol (Surr)	43		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	78		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	94		26-123
4165-62-2	Phenol-d5 (Surr)	29		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1053.D
Lims ID: MB 410-655289/1-A
Client ID:
Sample Type: MB
Inject. Date: 10-Jun-2025 20:23:20 ALS Bottle#: 3 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-655289/1-A
Misc. Info.: 410-0149952-004
Operator ID: IR93211 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Jun-2025 15:30:00 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: N5QU Date: 11-Jun-2025 15:23:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88		1.498					ND	7
$ 10 2-Fluorophenol	112	2.797	2.799	-0.006	92	536320	25.0	10.8	
15 Benzaldehyde	77		3.631					ND	7
$ 16 Phenol-d5	99	3.707	3.701	0.000	96	524612	25.0	7.23	
17 Phenol	94		3.724					ND	7
19 Bis(2-chloroethyl)ether	93		3.806					ND	7
20 2-Chlorophenol	128		3.852					ND	7
* 22 1,4-Dichlorobenzene-d4	152	4.056	4.057	0.000	97	184112	5.00	5.00	
28 2-Methylphenol	108		4.313					ND	
29 2,2'-oxybis[1-chloropropane]	45		4.330					ND	7
34 Acetophenone	105		4.453					ND	7
33 N-Nitrosodi-n-propylamine	70		4.459					ND	7
32 4-Methylphenol	108		4.465					ND	
38 Hexachloroethane	117		4.546					ND	
$ 39 Nitrobenzene-d5	82	4.593	4.588	0.000	87	1210557	25.0	19.5	
40 Nitrobenzene	77		4.616					ND	U
43 Isophorone	82		4.849					ND	7
44 2-Nitrophenol	139		4.919					ND	
45 2,4-Dimethylphenol	107		4.977					ND	7
47 Bis(2-chloroethoxy)methane	93		5.065					ND	
48 2,4-Dichlorophenol	162		5.158					ND	
* 50 Naphthalene-d8	136	5.280	5.286	-0.006	100	671637	5.00	5.00	
51 Naphthalene	128		5.304					ND	7
53 4-Chloroaniline	127		5.368					ND	7
56 Hexachlorobutadiene	225		5.432					ND	
61 Caprolactam	113		5.689					ND	7
64 4-Chloro-3-methylphenol	107		5.846					ND	7
66 2-Methylnaphthalene	142		5.968					ND	
67 1-Methylnaphthalene	142		6.062					ND	
68 Hexachlorocyclopentadiene	237		6.120					ND	
69 1,2,4,5-Tetrachlorobenzene	216		6.131					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
71 2,4,6-Trichlorophenol	196		6.248					ND	
72 2,4,5-Trichlorophenol	196		6.283					ND	
$ 73 2-Fluorobiphenyl (Surr)	172	6.324	6.319	0.000	100	2150549	25.0	20.5	
75 1,1'-Biphenyl	154		6.417					ND	7
76 2-Chloronaphthalene	162		6.429					ND	
79 2-Nitroaniline	138		6.534					ND	
85 Dimethyl phthalate	163		6.720					ND	
87 2,6-Dinitrotoluene	165		6.773					ND	7
88 Acenaphthylene	152		6.819					ND	
89 3-Nitroaniline	138		6.924					ND	
* 90 Acenaphthene-d10	164	6.953	6.953	0.000	96	377716	5.00	5.00	
91 Acenaphthene	153		6.988					ND	7
92 2,4-Dinitrophenol	184		7.029					ND	
93 4-Nitrophenol	109		7.111					ND	
95 2,4-Dinitrotoluene	165		7.152					ND	7
96 Dibenzofuran	168		7.152					ND	
98 2,3,4,6-Tetrachlorophenol	232		7.274					ND	
100 Diethyl phthalate	149		7.396					ND	7
102 Fluorene	166		7.472					ND	
103 4-Chlorophenyl phenyl ether	204		7.484					ND	
105 4-Nitroaniline	138		7.501					ND	
106 4,6-Dinitro-2-methylphenol	198		7.530					ND	
107 N-Nitrosodiphenylamine	169		7.600					ND	
$ 109 2,4,6-Tribromophenol	330	7.699	7.699	-0.006	93	313456	25.0	21.0	
116 4-Bromophenyl phenyl ether	248		7.944					ND	
118 Hexachlorobenzene	284		7.991					ND	
120 Atrazine	200		8.119					ND	
121 Pentachlorophenol	266		8.183					ND	U
* 126 Phenanthrene-d10	188	8.358	8.358	0.000	98	707126	5.00	5.00	
128 Phenanthrene	178		8.381					ND	7
129 Anthracene	178		8.428					ND	7
130 Carbazole	167		8.591					ND	
133 Di-n-butyl phthalate	149		8.947					ND	7
143 Fluoranthene	202		9.506					ND	7
* 149 Pyrene-d10 (IS)	212	9.698	9.699	-0.001	99	717115	5.00	5.00	
150 Pyrene	202		9.716					ND	7
$ 152 p-Terphenyl-d14	244	9.885	9.879	0.000	98	2639107	25.0	23.6	
157 Butyl benzyl phthalate	149		10.381					ND	7
159 3,3'-Dichlorobenzidine	252		10.917					ND	
161 Benzo[a]anthracene	228		10.923					ND	
162 Chrysene	228		10.963					ND	
163 Bis(2-ethylhexyl) phthalate	149		11.022					ND	7
165 Di-n-octyl phthalate	149		11.814					ND	7
166 7,12-Dimethylbenz(a)anthracene	256		12.211					ND	
167 Benzo[b]fluoranthene	252		12.211					ND	
168 Benzo[k]fluoranthene	252		12.246					ND	
169 Benzo[a]pyrene	252		12.636					ND	U
* 170 Perylene-d12	264	12.712	12.712	0.000	99	545887	5.00	5.00	
171 3-Methylcholanthrene	268		13.126					ND	7
172 Dibenz[a,h]acridine	279		13.872					ND	
173 Dibenz[a,j]acridine	279		13.942					ND	
174 Indeno[1,2,3-cd]pyrene	276		14.169					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
175 Dibenz(a,h)anthracene	278		14.216					ND	
176 Benzo[g,h,i]perylene	276		14.542					ND	
236 Dibenzo[a,e]pyrene TIC	1		17.494					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00109 Amount Added: 20.00 Units: uL Run Reagent

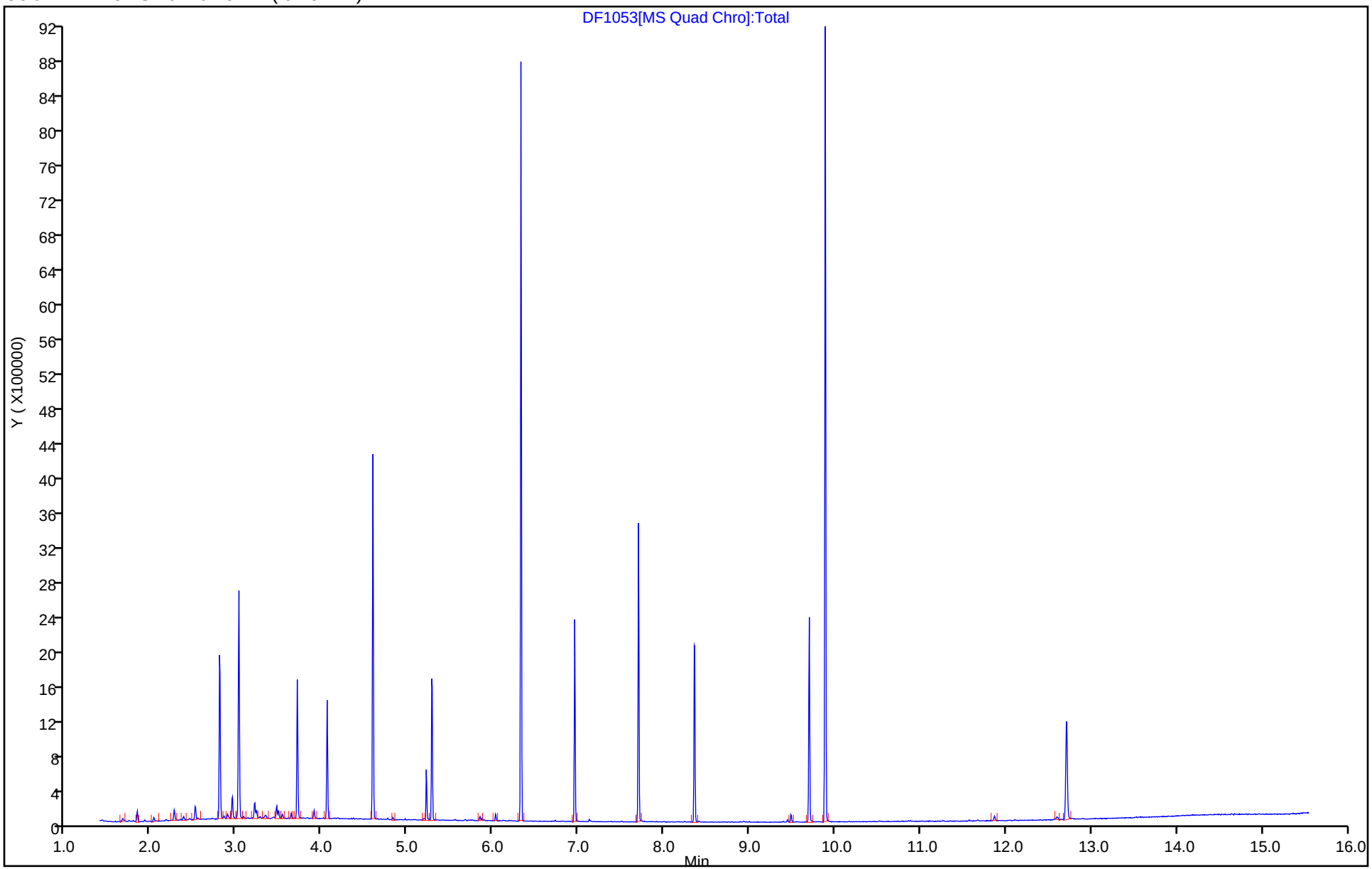
Report Date: 11-Jun-2025 15:32:36 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1053.D

Injection Date:	10-Jun-2025 20:23:20	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	MB 410-655289/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1053.D
Lims ID: MB 410-655289/1-A
Client ID:
Sample Type: MB
Inject. Date: 10-Jun-2025 20:23:20 ALS Bottle#: 3 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-655289/1-A
Misc. Info.: 410-0149952-004
Operator ID: IR93211 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Jun-2025 15:30:00 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: N5QU Date: 11-Jun-2025 15:23:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	10.8	43.20
$ 16 Phenol-d5	25.0	7.23	28.91
$ 39 Nitrobenzene-d5	25.0	19.5	77.88
$ 73 2-Fluorobiphenyl (Surr)	25.0	20.5	81.85
$ 109 2,4,6-Tribromophenol	25.0	21.0	83.96
$ 152 p-Terphenyl-d14	25.0	23.6	94.25

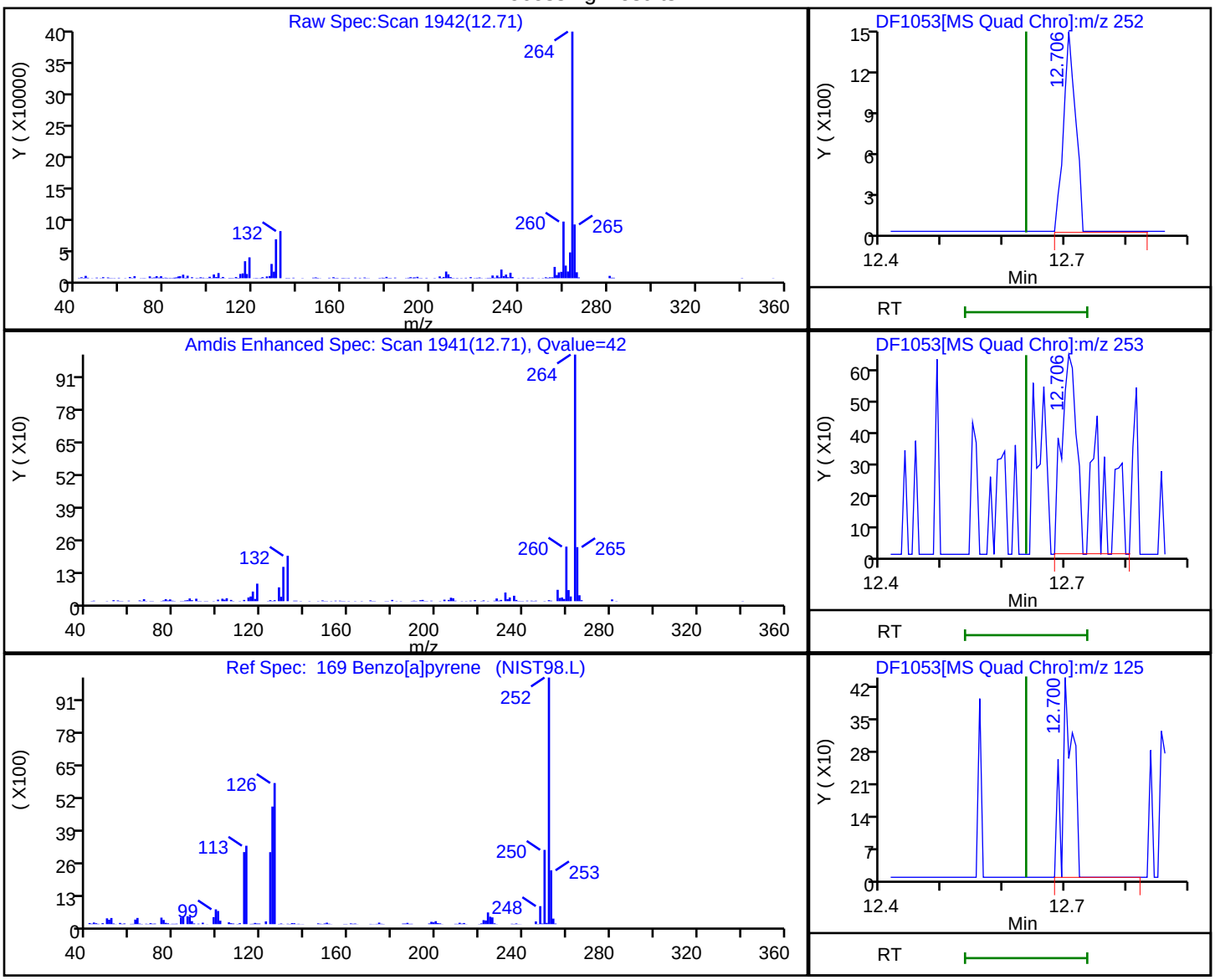
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1053.D				
Injection Date:	10-Jun-2025 20:23:20	Instrument ID:	HP19760		
Lims ID:	MB 410-655289/1-A				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

169 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.71	252.00	1983	0.016241
12.71	253.00	1880	
12.70	125.00	545	

Reviewer: N5QU, 11-Jun-2025 15:23:01 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

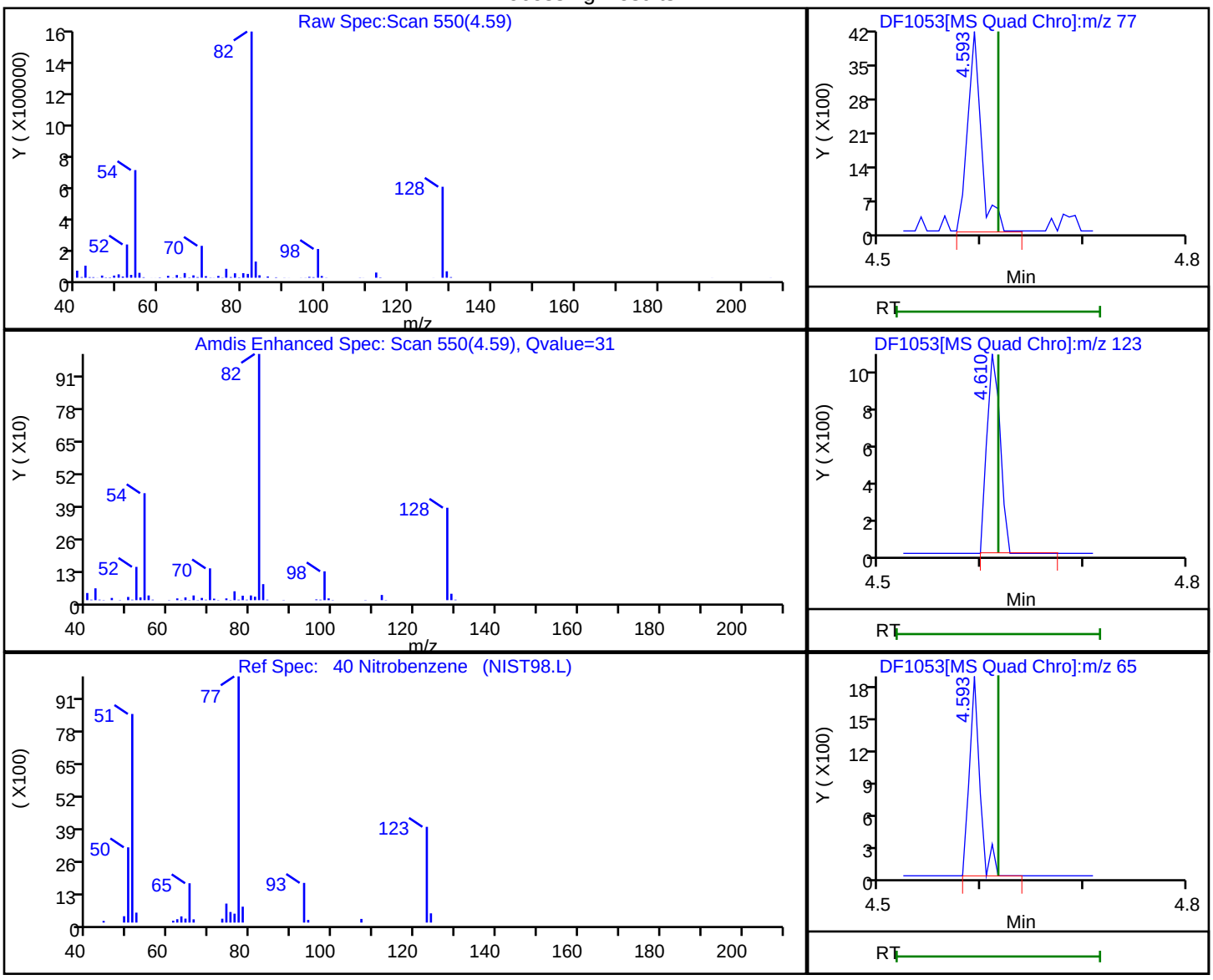
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1053.D				
Injection Date:	10-Jun-2025 20:23:20	Instrument ID:	HP19760		
Lims ID:	MB 410-655289/1-A				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.59	77.00	3816	0.063782
4.61	123.00	982	
4.59	65.00	1273	

Reviewer: N5QU, 11-Jun-2025 15:22:47 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

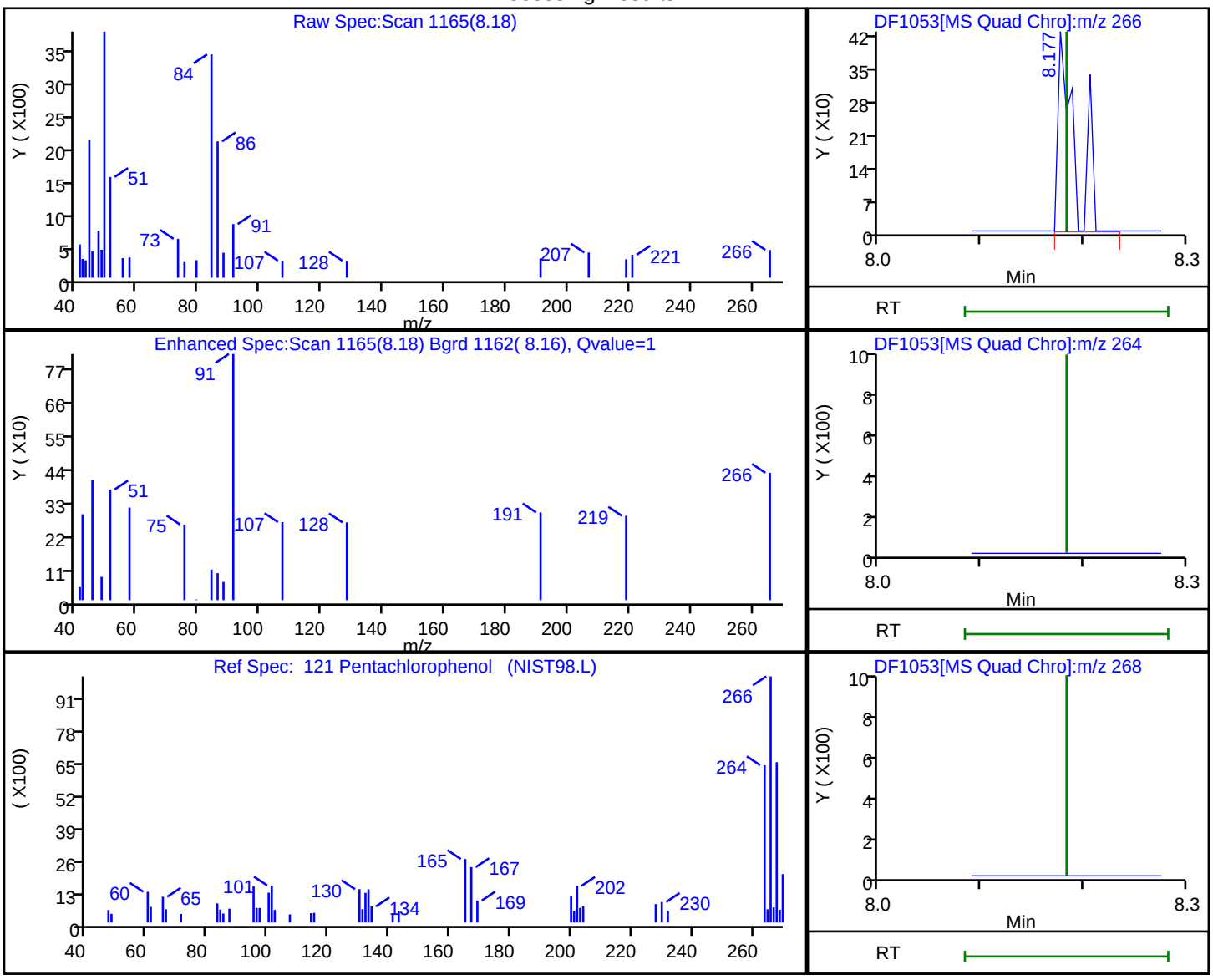
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1053.D				
Injection Date:	10-Jun-2025 20:23:20	Instrument ID:	HP19760		
Lims ID:	MB 410-655289/1-A				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

121 Pentachlorophenol, CAS: 87-86-5

Processing Results



RT	Mass	Response	Amount
8.18	266.00	456	0.611104
8.18	264.00	0	
8.18	268.00	0	

Reviewer: N5QU, 11-Jun-2025 15:22:56 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-653019/2-A

Matrix: Water
Lab File ID: DF0504.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 250(mL)
Date Analyzed: 06/05/2025 09:15

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653230
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	46.7		2.0	0.50
108-60-1	bis(1-chloroispropyl)ether	43.5		2.0	0.50
95-95-4	2,4,5-Trichlorophenol	50.7		2.0	0.50
88-06-2	2,4,6-Trichlorophenol	51.4		2.0	0.50
120-83-2	2,4-Dichlorophenol	51.1		2.0	0.50
105-67-9	2,4-Dimethylphenol	50.3		10	3.0
51-28-5	2,4-Dinitrophenol	108		30	14
121-14-2	2,4-Dinitrotoluene	51.8		5.0	1.0
606-20-2	2,6-Dinitrotoluene	52.7		2.0	0.50
91-58-7	2-Chloronaphthalene	46.3		1.0	0.40
95-57-8	2-Chlorophenol	44.9		2.0	0.50
91-57-6	2-Methylnaphthalene	46.7		0.50	0.10
95-48-7	2-Methylphenol	43.0		2.0	0.50
88-74-4	2-Nitroaniline	50.9		5.0	1.0
88-75-5	2-Nitrophenol	51.9		5.0	1.0
91-94-1	3,3'-Dichlorobenzidine	61.1		10	4.0
99-09-2	3-Nitroaniline	42.9		5.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	112		21	8.0
101-55-3	4-Bromophenyl-phenylether	49.6		2.0	0.50
59-50-7	4-Chloro-3-methylphenol	46.4		5.0	1.0
106-47-8	4-Chloroaniline	37.6		10	4.0
7005-72-3	4-Chlorophenyl-phenyl ether	45.9		2.0	0.50
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	39.1		2.0	0.50
100-01-6	4-Nitroaniline	46.5		3.0	0.90
100-02-7	4-Nitrophenol	56.4		30	10
83-32-9	Acenaphthene	46.7		0.50	0.10
208-96-8	Acenaphthylene	49.3		0.50	0.10
98-86-2	Acetophenone	44.5		5.0	1.0
120-12-7	Anthracene	50.8		0.50	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-653019/2-A

Matrix: Water
Lab File ID: DF0504.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 250(mL)
Date Analyzed: 06/05/2025 09:15

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653230
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	54.0		5.0	1.0
100-52-7	Benzaldehyde	45.7		5.0	1.0
56-55-3	Benzo[a]anthracene	47.0		0.50	0.10
50-32-8	Benzo[a]pyrene	51.1		0.50	0.11
205-99-2	Benzo[b]fluoranthene	47.3		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	50.9		0.50	0.10
207-08-9	Benzo[k]fluoranthene	51.0		0.50	0.10
85-68-7	Butylbenzylphthalate	40.5		5.0	2.0
105-60-2	Caprolactam	14.5		7.0	3.0
86-74-8	Carbazole	51.4		2.0	0.50
218-01-9	Chrysene	47.4		0.50	0.10
84-74-2	Di-n-butyl phthalate	47.3		5.0	2.0
117-84-0	Di-n-octyl phthalate	41.9		11	5.0
53-70-3	Dibenz(a,h)anthracene	50.8		0.50	0.10
132-64-9	Dibenzofuran	46.6		2.0	0.50
84-66-2	Diethyl phthalate	43.6		5.0	2.0
131-11-3	Dimethyl phthalate	42.3		5.0	2.0
206-44-0	Fluoranthene	50.1		0.50	0.10
86-73-7	Fluorene	46.6		0.50	0.12
118-74-1	Hexachlorobenzene	49.4		0.50	0.11
87-68-3	Hexachlorobutadiene	41.6		2.0	0.50
77-47-4	Hexachlorocyclopentadiene	31.5		11	5.0
67-72-1	Hexachloroethane	37.2		5.0	0.50
193-39-5	Indeno[1,2,3-cd]pyrene	48.6		0.50	0.11
78-59-1	Isophorone	47.6		2.0	0.50
621-64-7	N-Nitrosodi-n-propylamine	43.3		2.0	0.50
86-30-6	N-Nitrosodiphenylamine	44.6		2.0	0.50
91-20-3	Naphthalene	46.9		0.50	0.26
98-95-3	Nitrobenzene	50.1		2.0	0.50
87-86-5	Pentachlorophenol	102		5.0	2.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-653019/2-A

Matrix: Water
Lab File ID: DF0504.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 250(mL)
Date Analyzed: 06/05/2025 09:15

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653230
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	49.3		0.50	0.11
108-95-2	Phenol	28.1		2.0	0.50
129-00-0	Pyrene	47.4		0.50	0.10
111-91-1	Bis(2-chloroethoxy)methane	47.7		2.0	0.50
111-44-4	Bis(2-chloroethyl)ether	45.6		2.0	0.50
117-81-7	Bis(2-ethylhexyl) phthalate	41.7		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	77		13-134
321-60-8	2-Fluorobiphenyl (Surr)	73		45-120
367-12-4	2-Fluorophenol (Surr)	55		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	77		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	88		26-123
4165-62-2	Phenol-d5 (Surr)	40		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0504.D
Lims ID: LCS 410-653019/2-A
Client ID:
Sample Type: LCS
Inject. Date: 05-Jun-2025 09:15:39 ALS Bottle#: 4 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-653019/2-A
Misc. Info.: 410-0149375-035
Operator ID: CJS101602 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 16:33:12 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: N5QU Date: 05-Jun-2025 16:19:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.891	2.891	0.000	93	620920	25.0	13.7	
15 Benzaldehyde	77	3.724	3.724	0.000	96	542504	12.5	11.4	
$ 16 Phenol-d5	99	3.788	3.788	0.000	96	655818	25.0	9.92	
17 Phenol	94	3.800	3.800	0.000	93	489838	12.5	7.03	
19 Bis(2-chloroethyl)ether	93	3.887	3.887	0.000	97	631900	12.5	11.4	
20 2-Chlorophenol	128	3.940	3.940	0.000	94	500642	12.5	11.2	
* 22 1,4-Dichlorobenzene-d4	152	4.144	4.144	0.000	96	167687	5.00	5.00	
28 2-Methylphenol	108	4.389	4.389	0.000	66	495266	12.5	10.7	
29 2,2'-oxybis[1-chloropropane]	45	4.412	4.412	0.000	94	764097	12.5	10.9	
34 Acetophenone	105	4.529	4.534	-0.005	96	859722	12.5	11.1	
33 N-Nitrosodi-n-propylamine	70	4.534	4.540	-0.006	81	478150	12.5	10.8	
32 4-Methylphenol	108	4.540	4.540	0.000	95	492154	12.5	9.77	
38 Hexachloroethane	117	4.628	4.628	0.000	96	198634	12.5	9.30	
$ 39 Nitrobenzene-d5	82	4.674	4.680	-0.006	87	1081730	25.0	19.2	
40 Nitrobenzene	77	4.692	4.697	-0.006	85	678337	12.5	12.5	
43 Isophorone	82	4.925	4.931	-0.006	96	1234039	12.5	11.9	
44 2-Nitrophenol	139	5.001	5.007	-0.005	90	254079	12.5	13.0	
45 2,4-Dimethylphenol	107	5.053	5.053	0.000	96	589083	12.5	12.6	
47 Bis(2-chloroethoxy)methane	93	5.146	5.146	0.000	98	779184	12.5	11.9	
48 2,4-Dichlorophenol	162	5.234	5.240	-0.006	95	442970	12.5	12.8	
* 50 Naphthalene-d8	136	5.368	5.368	0.000	100	608008	5.00	5.00	
51 Naphthalene	128	5.385	5.391	-0.006	97	1520995	12.5	11.7	
53 4-Chloroaniline	127	5.444	5.444	0.000	94	504826	12.5	9.41	
56 Hexachlorobutadiene	225	5.508	5.513	-0.006	95	242648	12.5	10.4	
61 Caprolactam	113	5.758	5.764	-0.006	83	48504	12.5	3.62	
64 4-Chloro-3-methylphenol	107	5.922	5.922	0.000	94	493661	12.5	11.6	
66 2-Methylnaphthalene	142	6.050	6.056	-0.006	92	896532	12.5	11.7	
68 Hexachlorocyclopentadiene	237	6.201	6.207	-0.006	95	203685	12.5	7.89	
69 1,2,4,5-Tetrachlorobenzene	216	6.207	6.208	-0.006	97	474810	12.5	11.2	
71 2,4,6-Trichlorophenol	196	6.324	6.330	-0.006	93	325726	12.5	12.9	
72 2,4,5-Trichlorophenol	196	6.359	6.365	-0.006	94	360796	12.5	12.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 73 2-Fluorobiphenyl (Surr)	172	6.405	6.411	-0.006	100	1747552	25.0	18.2	
75 1,1'-Biphenyl	154	6.499	6.504	-0.005	96	1214261	12.5	11.7	
76 2-Chloronaphthalene	162	6.510	6.516	-0.006	96	922354	12.5	11.6	
78 Phenyl ether	170	6.604	6.598	0.001	87	700749	12.5	11.5	
79 2-Nitroaniline	138	6.615	6.615	0.000	79	309650	12.5	12.7	
85 Dimethyl phthalate	163	6.796	6.802	-0.006	98	977484	12.5	10.6	
87 2,6-Dinitrotoluene	165	6.848	6.854	-0.006	94	243794	12.5	13.2	
88 Acenaphthylene	152	6.901	6.907	-0.006	99	1548756	12.5	12.3	
89 3-Nitroaniline	138	7.006	7.006	0.000	90	238860	12.5	10.7	
* 90 Acenaphthene-d10	164	7.041	7.041	0.000	95	345198	5.00	5.00	
91 Acenaphthene	153	7.070	7.070	0.000	97	979261	12.5	11.7	
92 2,4-Dinitrophenol	184	7.105	7.111	-0.006	86	300581	25.0	27.0	
93 4-Nitrophenol	109	7.186	7.192	-0.006	83	195093	25.0	14.1	
95 2,4-Dinitrotoluene	165	7.227	7.233	-0.006	86	338460	12.5	13.0	
96 Dibenzofuran	168	7.233	7.239	-0.006	97	1397672	12.5	11.6	
98 2,3,4,6-Tetrachlorophenol	232	7.356	7.349	0.001	72	290243	12.5	12.0	
100 Diethyl phthalate	149	7.472	7.478	-0.006	98	1032022	12.5	10.9	
102 Fluorene	166	7.560	7.559	0.001	96	1126964	12.5	11.6	
103 4-Chlorophenyl phenyl ether	204	7.571	7.571	0.000	93	543852	12.5	11.5	
105 4-Nitroaniline	138	7.583	7.589	-0.006	82	254937	12.5	11.6	
106 4,6-Dinitro-2-methylphenol	198	7.618	7.612	0.000	85	416601	25.0	28.0	
107 N-Nitrosodiphenylamine	169	7.682	7.682	-0.006	63	818245	10.6	11.2	
$ 109 2,4,6-Tribromophenol	330	7.787	7.792	-0.006	93	262729	25.0	19.3	
116 4-Bromophenyl phenyl ether	248	8.032	8.032	-0.005	64	319602	12.5	12.4	
118 Hexachlorobenzene	284	8.078	8.073	0.000	94	344404	12.5	12.4	
120 Atrazine	200	8.201	8.201	-0.005	92	318359	12.5	13.5	
121 Pentachlorophenol	266	8.271	8.271	-0.005	93	459383	25.0	25.5	
* 126 Phenanthrene-d10	188	8.445	8.451	-0.006	97	614534	5.00	5.00	
128 Phenanthrene	178	8.469	8.469	-0.005	98	1636902	12.5	12.3	
129 Anthracene	178	8.515	8.515	-0.006	98	1651427	12.5	12.7	
130 Carbazole	167	8.679	8.678	-0.005	96	1514973	12.5	12.8	
133 Di-n-butyl phthalate	149	9.034	9.034	-0.006	100	1484573	12.5	11.8	
143 Fluoranthene	202	9.600	9.593	0.001	98	1739615	12.5	12.5	
* 149 Pyrene-d10 (IS)	212	9.792	9.798	-0.006	99	605869	5.00	5.00	
150 Pyrene	202	9.809	9.815	-0.006	97	1788938	12.5	11.9	
$ 152 p-Terphenyl-d14	244	9.978	9.984	-0.006	98	2079058	25.0	22.0	
157 Butyl benzyl phthalate	149	10.480	10.485	-0.005	96	540844	12.5	10.1	
159 3,3'-Dichlorobenzidine	252	11.028	11.027	-0.005	74	755439	25.0	15.3	
161 Benzo[a]anthracene	228	11.033	11.038	-0.012	99	1409414	12.5	11.7	
162 Chrysene	228	11.074	11.073	-0.006	97	1389547	12.5	11.8	
163 Bis(2-ethylhexyl) phthalate	149	11.132	11.132	-0.006	98	789280	12.5	10.4	
165 Di-n-octyl phthalate	149	11.948	11.955	-0.012	99	1088687	12.5	10.5	
167 Benzo[b]fluoranthene	252	12.356	12.363	-0.012	97	1172045	12.5	11.8	
168 Benzo[k]fluoranthene	252	12.391	12.397	-0.012	99	1339587	12.5	12.8	
169 Benzo[a]pyrene	252	12.788	12.793	-0.011	78	1180400	12.5	12.8	
* 170 Perylene-d12	264	12.869	12.875	-0.006	98	412917	5.00	5.00	
174 Indeno[1,2,3-cd]pyrene	276	14.362	14.367	-0.011	99	1029325	12.5	12.1	
175 Dibenz(a,h)anthracene	278	14.414	14.413	-0.006	92	1084080	12.5	12.7	
176 Benzo[g,h,i]perylene	276	14.758	14.763	-0.011	98	1105765	12.5	12.7	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00109 Amount Added: 20.00 Units: uL Run Reagent

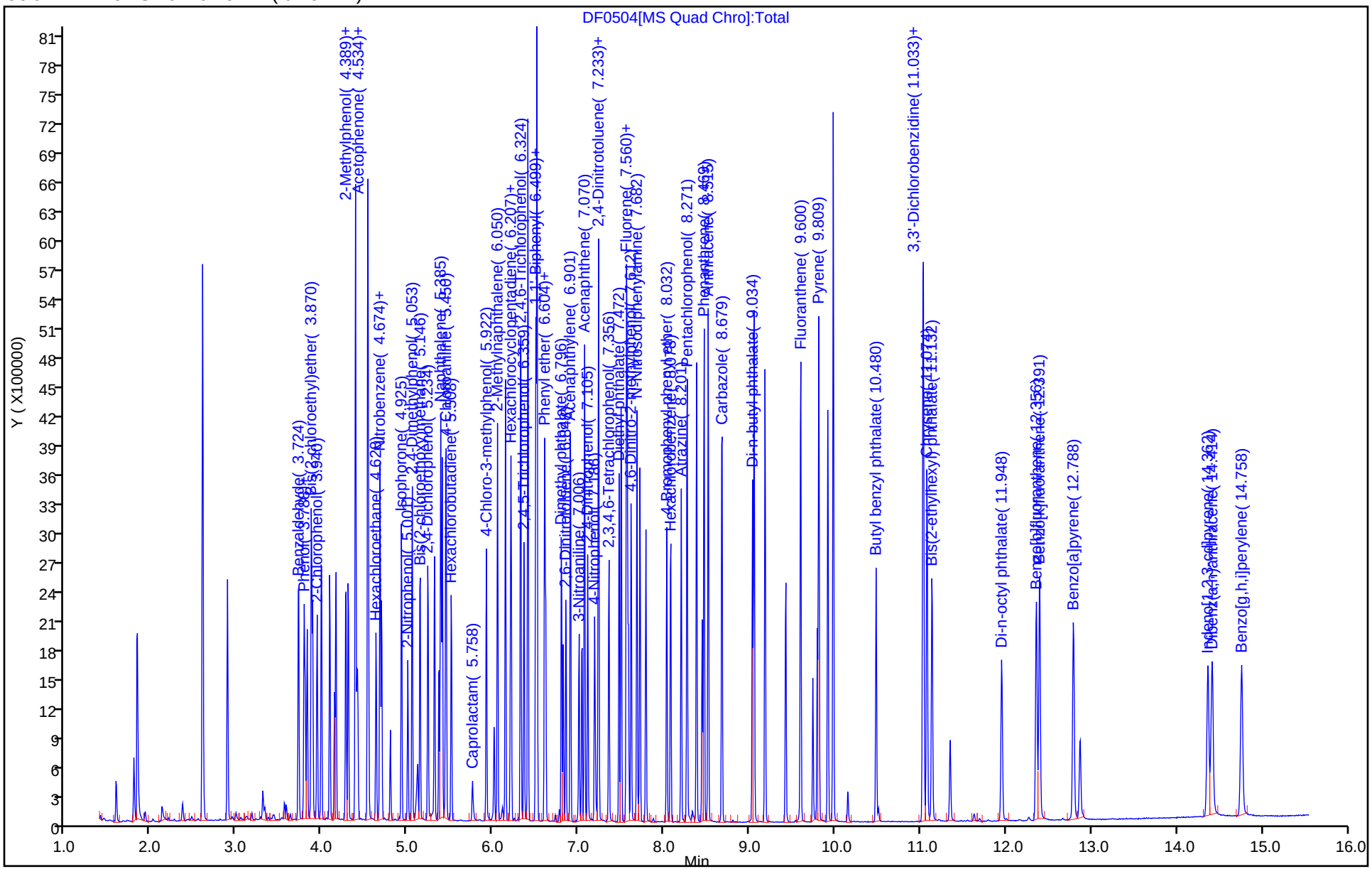
Report Date: 05-Jun-2025 16:33:50 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0504.D

Injection Date:	05-Jun-2025 09:15:39	Instrument ID:	HP19760	Operator ID:	CJS101602
Lims ID:	LCS 410-653019/2-A			Worklist Smp#:	35
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0504.D
Lims ID: LCS 410-653019/2-A
Client ID:
Sample Type: LCS
Inject. Date: 05-Jun-2025 09:15:39 ALS Bottle#: 4 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-653019/2-A
Misc. Info.: 410-0149375-035
Operator ID: CJS101602 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 16:33:12 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: N5QU Date: 05-Jun-2025 16:19:20

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	13.7	54.91
$ 16 Phenol-d5	25.0	9.92	39.68
$ 39 Nitrobenzene-d5	25.0	19.2	76.88
$ 73 2-Fluorobiphenyl (Surr)	25.0	18.2	72.77
$ 109 2,4,6-Tribromophenol	25.0	19.3	77.01
$ 152 p-Terphenyl-d14	25.0	22.0	87.88

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-653575/2-A

Matrix: Water
Lab File ID: JF0624.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 250(mL)
Date Analyzed: 06/06/2025 09:50

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	40.6		2.0	0.50
108-60-1	bis(1-chloroispropyl)ether	56.7		2.0	0.50
95-95-4	2,4,5-Trichlorophenol	40.4		2.0	0.50
88-06-2	2,4,6-Trichlorophenol	43.6		2.0	0.50
120-83-2	2,4-Dichlorophenol	40.2		2.0	0.50
105-67-9	2,4-Dimethylphenol	37.7		10	3.0
51-28-5	2,4-Dinitrophenol	67.2		30	14
121-14-2	2,4-Dinitrotoluene	44.6		5.0	1.0
606-20-2	2,6-Dinitrotoluene	44.0		2.0	0.50
91-58-7	2-Chloronaphthalene	44.1		1.0	0.40
95-57-8	2-Chlorophenol	33.8		2.0	0.50
91-57-6	2-Methylnaphthalene	40.7		0.50	0.10
95-48-7	2-Methylphenol	31.4		2.0	0.50
88-74-4	2-Nitroaniline	41.8		5.0	1.0
88-75-5	2-Nitrophenol	33.6		5.0	1.0
91-94-1	3,3'-Dichlorobenzidine	64.6		10	4.0
99-09-2	3-Nitroaniline	38.2		5.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	78.8		21	8.0
101-55-3	4-Bromophenyl-phenylether	48.7		2.0	0.50
59-50-7	4-Chloro-3-methylphenol	34.4		5.0	1.0
106-47-8	4-Chloroaniline	30.6		10	4.0
7005-72-3	4-Chlorophenyl-phenyl ether	43.9		2.0	0.50
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	26.3		2.0	0.50
100-01-6	4-Nitroaniline	38.8		3.0	0.90
100-02-7	4-Nitrophenol	41.4		30	10
83-32-9	Acenaphthene	41.9		0.50	0.10
208-96-8	Acenaphthylene	46.2		0.50	0.10
98-86-2	Acetophenone	39.1		5.0	1.0
120-12-7	Anthracene	44.0		0.50	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-653575/2-A

Matrix: Water
Lab File ID: JF0624.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 250(mL)
Date Analyzed: 06/06/2025 09:50

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	41.2		5.0	1.0
100-52-7	Benzaldehyde	36.0		5.0	1.0
56-55-3	Benzo[a]anthracene	45.1		0.50	0.10
50-32-8	Benzo[a]pyrene	45.7		0.50	0.11
205-99-2	Benzo[b]fluoranthene	49.0		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	53.3		0.50	0.10
207-08-9	Benzo[k]fluoranthene	49.8		0.50	0.10
85-68-7	Butylbenzylphthalate	35.2		5.0	2.0
105-60-2	Caprolactam	10.5		7.0	3.0
86-74-8	Carbazole	50.4		2.0	0.50
218-01-9	Chrysene	46.0		0.50	0.10
84-74-2	Di-n-butyl phthalate	42.0		5.0	2.0
117-84-0	Di-n-octyl phthalate	45.4		11	5.0
53-70-3	Dibenz(a,h)anthracene	51.0		0.50	0.10
132-64-9	Dibenzofuran	45.6		2.0	0.50
84-66-2	Diethyl phthalate	41.8		5.0	2.0
131-11-3	Dimethyl phthalate	30.4		5.0	2.0
206-44-0	Fluoranthene	48.0		0.50	0.10
86-73-7	Fluorene	43.7		0.50	0.12
118-74-1	Hexachlorobenzene	46.7		0.50	0.11
87-68-3	Hexachlorobutadiene	39.8		2.0	0.50
77-47-4	Hexachlorocyclopentadiene	30.5		11	5.0
67-72-1	Hexachloroethane	32.2		5.0	0.50
193-39-5	Indeno[1,2,3-cd]pyrene	50.5		0.50	0.11
78-59-1	Isophorone	40.9		2.0	0.50
621-64-7	N-Nitrosodi-n-propylamine	37.4		2.0	0.50
86-30-6	N-Nitrosodiphenylamine	41.6		2.0	0.50
91-20-3	Naphthalene	41.6		0.50	0.26
98-95-3	Nitrobenzene	40.8		2.0	0.50
87-86-5	Pentachlorophenol	78.7		5.0	2.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-653575/2-A

Matrix: Water
Lab File ID: JF0624.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 250(mL)
Date Analyzed: 06/06/2025 09:50

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	44.4		0.50	0.11
108-95-2	Phenol	18.9		2.0	0.50
129-00-0	Pyrene	46.8		0.50	0.10
111-91-1	Bis(2-chloroethoxy)methane	47.2		2.0	0.50
111-44-4	Bis(2-chloroethyl)ether	39.1		2.0	0.50
117-81-7	Bis(2-ethylhexyl) phthalate	41.7		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	60		13-134
321-60-8	2-Fluorobiphenyl (Surr)	73		45-120
367-12-4	2-Fluorophenol (Surr)	40		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	68		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	86		26-123
4165-62-2	Phenol-d5 (Surr)	29		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0624.D
Lims ID: LCS 410-653575/2-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Jun-2025 09:50:30 ALS Bottle#: 4 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-653575/2-A
Misc. Info.: 410-0149501-009
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 15:51:20 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 15:44:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.591	1.589	0.000	98	156096	12.5	5.21	
3 Pyridine	79	1.866	1.860	0.006	91	847336	25.0	10.5	
$ 9 2-Fluorophenol	112	2.958	2.953	0.001	95	600233	25.0	10.0	
13 Benzaldehyde	77	3.787	3.787	-0.005	92	634299	12.5	9.01	
$ 15 Phenol-d5	99	3.874	3.869	0.000	93	654117	25.0	7.32	
16 Phenol	94	3.886	3.881	0.000	96	444749	12.5	4.72	
18 Bis(2-chloroethyl)ether	93	3.956	3.956	-0.006	88	671240	12.5	9.77	
19 2-Chlorophenol	128	4.009	4.009	-0.005	88	460634	12.5	8.44	
* 22 1,4-Dichlorobenzene-d4	152	4.207	4.213	-0.006	96	201928	5.00	5.00	
29 2-Methylphenol	108	4.470	4.470	-0.006	95	471943	12.5	7.86	
30 2,2'-oxybis[1-chloropropane]	45	4.476	4.475	-0.005	93	1111812	12.5	14.2	
32 Acetophenone	105	4.598	4.598	-0.006	92	1031693	12.5	9.79	
33 N-Nitrosodi-n-propylamine	70	4.604	4.604	-0.006	87	598462	12.5	9.35	
34 4-Methylphenol	108	4.622	4.621	-0.005	94	444472	12.5	6.57	
37 Hexachloroethane	117	4.692	4.691	-0.006	97	256281	12.5	8.04	
$ 39 Nitrobenzene-d5	82	4.744	4.745	-0.006	89	1448648	25.0	16.9	
40 Nitrobenzene	77	4.762	4.763	-0.006	87	857187	12.5	10.2	
42 Isophorone	82	4.995	4.996	-0.006	98	1499644	12.5	10.2	
43 2-Nitrophenol	139	5.071	5.072	-0.006	86	236122	12.5	8.41	
44 2,4-Dimethylphenol	107	5.130	5.130	-0.005	99	615889	12.5	9.43	
47 Bis(2-chloroethoxy)methane	93	5.217	5.218	-0.006	93	889577	12.5	11.8	
49 2,4-Dichlorophenol	162	5.317	5.311	0.001	94	415329	12.5	10.1	
* 52 Naphthalene-d8	136	5.433	5.439	-0.006	98	686626	5.00	5.00	
53 Naphthalene	128	5.457	5.451	0.000	98	1523214	12.5	10.4	
56 4-Chloroaniline	127	5.521	5.521	-0.006	88	473704	12.5	7.65	
59 Hexachlorobutadiene	225	5.579	5.573	0.000	95	310097	12.5	9.94	
62 Caprolactam	113	5.848	5.848	-0.006	73	40150	12.5	2.62	
65 4-Chloro-3-methylphenol	107	6.006	6.005	-0.005	91	501536	12.5	8.60	
67 2-Methylnaphthalene	142	6.122	6.122	-0.006	90	869241	12.5	10.2	
69 1-Methylnaphthalene	142	6.216	6.215	-0.006	91	884331	12.5	10.1	
71 Hexachlorocyclopentadiene	237	6.274	6.269	0.000	92	318476	12.5	7.63	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
70 1,2,4,5-Tetrachlorobenzene	216	6.280	6.281	-0.006	97	492697	12.5	10.2	
79 2,4,6-Trichlorophenol	196	6.403	6.403	-0.005	93	323936	12.5	10.9	
80 2,4,5-Trichlorophenol	196	6.444	6.444	-0.005	91	345625	12.5	10.1	
$ 81 2-Fluorobiphenyl (Surr)	172	6.479	6.479	-0.005	99	1966584	25.0	18.3	
83 1,1'-Biphenyl	154	6.572	6.572	-0.006	97	1238977	12.5	10.1	
84 2-Chloronaphthalene	162	6.584	6.584	-0.005	97	964280	12.5	11.0	
87 2-Nitroaniline	138	6.695	6.695	-0.005	72	329573	12.5	10.4	
90 Dimethyl phthalate	163	6.876	6.876	-0.005	96	858342	12.5	7.61	
92 2,6-Dinitrotoluene	165	6.934	6.934	-0.006	80	252861	12.5	11.0	
93 Acenaphthylene	152	6.981	6.975	-0.005	99	1609930	12.5	11.6	
95 3-Nitroaniline	138	7.092	7.092	-0.005	86	250074	12.5	9.56	
* 96 Acenaphthene-d10	164	7.115	7.121	-0.006	95	381886	5.00	5.00	
97 Acenaphthene	153	7.144	7.144	-0.006	98	1029414	12.5	10.5	
98 2,4-Dinitrophenol	184	7.191	7.191	-0.006	74	260957	25.0	16.8	
100 4-Nitrophenol	109	7.290	7.284	0.000	79	281496	25.0	10.4	
101 Dibenzofuran	168	7.314	7.308	0.001	95	1461845	12.5	11.4	
102 2,4-Dinitrotoluene	165	7.314	7.313	-0.005	80	365922	12.5	11.1	
105 2,3,4,6-Tetrachlorophenol	232	7.436	7.436	-0.006	77	273837	12.5	8.90	
107 Diethyl phthalate	149	7.553	7.553	-0.006	95	1221168	12.5	10.5	
108 Fluorene	166	7.635	7.634	-0.005	96	1160132	12.5	10.9	
110 4-Chlorophenyl phenyl ether	204	7.646	7.646	-0.006	97	548757	12.5	11.0	
112 4-Nitroaniline	138	7.670	7.675	-0.011	78	259774	12.5	9.70	
113 4,6-Dinitro-2-methylphenol	198	7.699	7.694	-0.006	67	375765	25.0	19.7	
114 N-Nitrosodiphenylamine	169	7.763	7.758	-0.006	67	822291	10.6	10.4	
$ 116 2,4,6-Tribromophenol	330	7.868	7.868	-0.006	92	332387	25.0	15.1	
122 4-Bromophenyl phenyl ether	248	8.108	8.102	-0.005	73	344770	12.5	12.2	
124 Hexachlorobenzene	284	8.154	8.149	-0.006	95	425499	12.5	11.7	
126 Atrazine	200	8.283	8.277	-0.006	83	317884	12.5	10.3	
127 Pentachlorophenol	266	8.353	8.347	-0.006	90	470260	25.0	19.7	
* 131 Phenanthrene-d10	188	8.528	8.534	-0.006	98	674361	5.00	5.00	
132 Phenanthrene	178	8.546	8.551	-0.005	99	1661981	12.5	11.1	
135 Anthracene	178	8.598	8.575	-0.006	99	1653314	12.5	11.0	
136 Carbazole	167	8.762	8.756	-0.005	96	1678763	12.5	12.6	
138 Di-n-butyl phthalate	149	9.112	9.105	-0.006	99	1903048	12.5	10.5	
144 Fluoranthene	202	9.678	9.671	-0.006	98	1957637	12.5	12.0	
* 146 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	98	688766	5.00	5.00	
147 Pyrene	202	9.894	9.889	-0.006	97	2039760	12.5	11.7	
$ 148 p-Terphenyl-d14	244	10.058	10.052	-0.006	98	2346726	25.0	21.4	
153 Butyl benzyl phthalate	149	10.566	10.559	-0.006	95	720726	12.5	8.81	
157 3,3'-Dichlorobenzidine	252	11.132	11.125	-0.006	76	1052337	25.0	16.1	
156 Benzo[a]anthracene	228	11.138	11.125	0.000	99	1757550	12.5	11.3	
159 Chrysene	228	11.179	11.172	-0.006	97	1677449	12.5	11.5	
160 Bis(2-ethylhexyl) phthalate	149	11.232	11.224	-0.005	96	1189424	12.5	10.4	
162 Di-n-octyl phthalate	149	12.061	12.061	-0.005	99	1955846	12.5	11.3	
164 Benzo[b]fluoranthene	252	12.487	12.493	-0.011	96	1746202	12.5	12.2	
165 Benzo[k]fluoranthene	252	12.522	12.528	-0.012	99	1798359	12.5	12.5	
166 Benzo[a]pyrene	252	12.925	12.931	-0.011	77	1688397	12.5	11.4	
* 167 Perylene-d12	264	13.007	13.012	-0.005	98	612271	5.00	5.00	
171 Indeno[1,2,3-cd]pyrene	276	14.519	14.518	-0.006	99	1760128	12.5	12.6	
172 Dibenz(a,h)anthracene	278	14.560	14.559	-0.005	92	1688500	12.5	12.7	
173 Benzo[g,h,i]perylene	276	14.858	14.863	-0.011	98	1812095	12.5	13.3	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

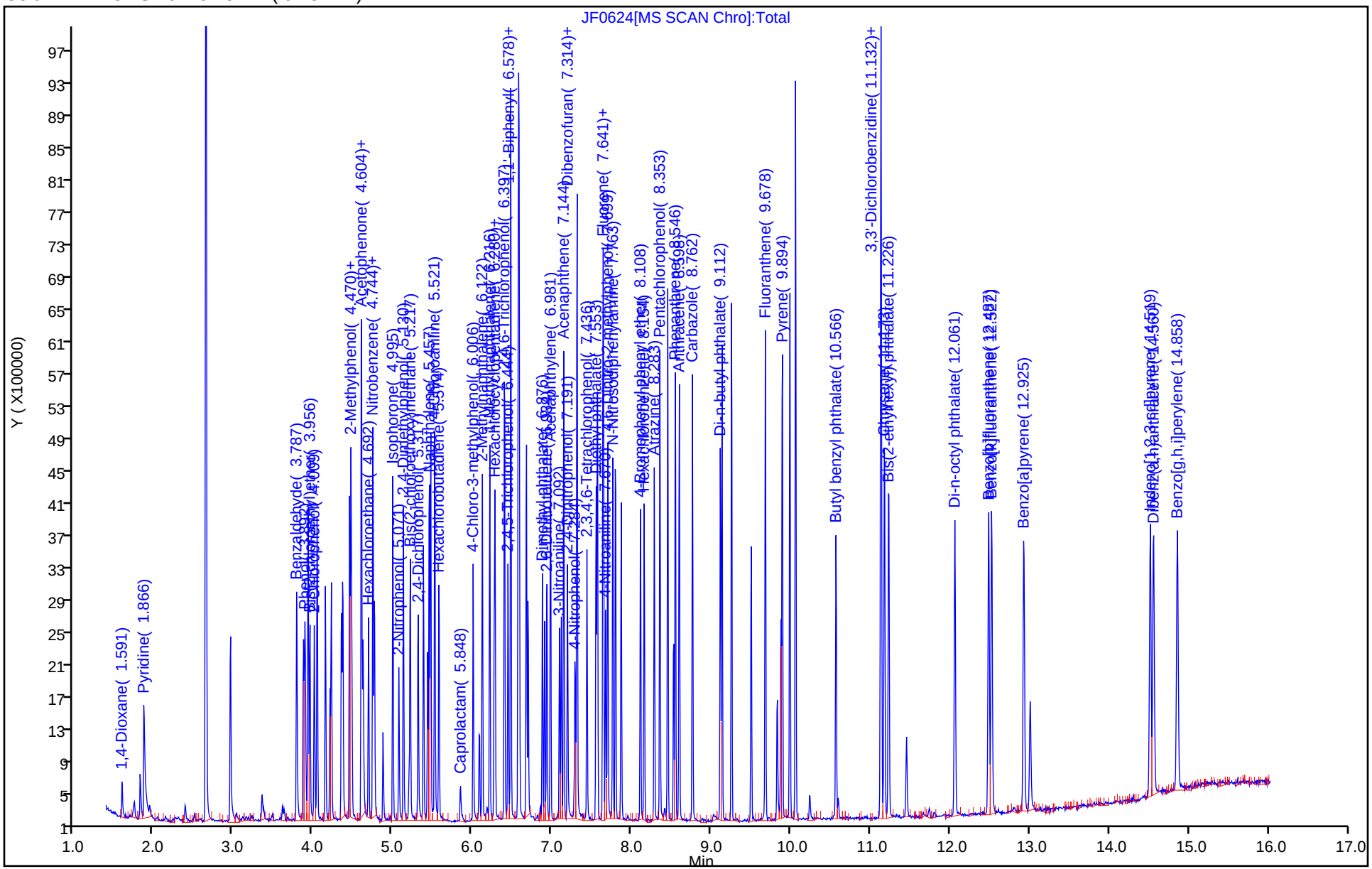
Report Date: 06-Jun-2025 15:51:44 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0624.D

Injection Date:	06-Jun-2025 09:50:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	LCS 410-653575/2-A			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0624.D
Lims ID: LCS 410-653575/2-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Jun-2025 09:50:30 ALS Bottle#: 4 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-653575/2-A
Misc. Info.: 410-0149501-009
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 15:51:20 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 15:44:52

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	10.0	40.04
$ 15 Phenol-d5	25.0	7.32	29.28
$ 39 Nitrobenzene-d5	25.0	16.9	67.58
$ 81 2-Fluorobiphenyl (Surr)	25.0	18.3	73.09
$ 116 2,4,6-Tribromophenol	25.0	15.1	60.41
$ 148 p-Terphenyl-d14	25.0	21.4	85.51

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-655289/2-A

Matrix: Water
Lab File ID: DF1054.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/10/2025 07:46

Sample wt/vol: 250(mL)
Date Analyzed: 06/10/2025 20:44

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 655733
Units: ug/L

Preparation Batch No.: 655289
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	*1,1'-Biphenyl*	*46.3*		*2.0*	*0.50*
108-60-1	*bis(1-chloroispropyl)ether*	*39.7*		*2.0*	*0.50*
95-95-4	*2,4,5-Trichlorophenol*	*52.8*		*2.0*	*0.50*
88-06-2	*2,4,6-Trichlorophenol*	*53.8*		*2.0*	*0.50*
120-83-2	*2,4-Dichlorophenol*	*49.8*		*2.0*	*0.50*
105-67-9	*2,4-Dimethylphenol*	*49.3*		*10*	*3.0*
51-28-5	*2,4-Dinitrophenol*	*108*		*30*	*14*
121-14-2	*2,4-Dinitrotoluene*	*55.9*		*5.0*	*1.0*
606-20-2	*2,6-Dinitrotoluene*	*56.1*		*2.0*	*0.50*
91-58-7	*2-Chloronaphthalene*	*45.6*		*1.0*	*0.40*
95-57-8	*2-Chlorophenol*	*42.7*		*2.0*	*0.50*
91-57-6	*2-Methylnaphthalene*	*45.7*		*0.50*	*0.10*
95-48-7	*2-Methylphenol*	*39.2*		*2.0*	*0.50*
88-74-4	*2-Nitroaniline*	*53.0*		*5.0*	*1.0*
88-75-5	*2-Nitrophenol*	*52.8*		*5.0*	*1.0*
91-94-1	*3,3'-Dichlorobenzidine*	*65.6*		*10*	*4.0*
99-09-2	*3-Nitroaniline*	*43.0*		*5.0*	*2.0*
534-52-1	*4,6-Dinitro-2-methylphenol*	*120*		*21*	*8.0*
101-55-3	*4-Bromophenyl-phenylether*	*53.9*		*2.0*	*0.50*
59-50-7	*4-Chloro-3-methylphenol*	*47.1*		*5.0*	*1.0*
106-47-8	*4-Chloroaniline*	*36.4*		*10*	*4.0*
7005-72-3	*4-Chlorophenyl-phenyl ether*	*48.0*		*2.0*	*0.50*
106-44-5	*4-Methylphenol (and/or 3-Methylphenol)*	*35.5*		*2.0*	*0.50*
100-01-6	*4-Nitroaniline*	*48.8*		*3.0*	*0.90*
100-02-7	*4-Nitrophenol*	*59.1*		*30*	*10*
83-32-9	*Acenaphthene*	*47.0*		*0.50*	*0.10*
208-96-8	*Acenaphthylene*	*48.9*		*0.50*	*0.10*
98-86-2	*Acetophenone*	*43.6*		*5.0*	*1.0*
120-12-7	*Anthracene*	*52.6*		*0.50*	*0.10*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-655289/2-A

Matrix: Water
Lab File ID: DF1054.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/10/2025 07:46

Sample wt/vol: 250(mL)
Date Analyzed: 06/10/2025 20:44

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 655733
Units: ug/L

Preparation Batch No.: 655289
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	*Atrazine*	*58.1*		*5.0*	*1.0*
100-52-7	*Benzaldehyde*	*41.3*		*5.0*	*1.0*
56-55-3	*Benzo[a]anthracene*	*52.5*		*0.50*	*0.10*
50-32-8	*Benzo[a]pyrene*	*55.7*		*0.50*	*0.11*
205-99-2	*Benzo[b]fluoranthene*	*53.3*		*0.50*	*0.10*
191-24-2	*Benzo[g,h,i]perylene*	*53.7*		*0.50*	*0.10*
207-08-9	*Benzo[k]fluoranthene*	*52.3*		*0.50*	*0.10*
85-68-7	*Butylbenzylphthalate*	*41.8*		*5.0*	*2.0*
105-60-2	*Caprolactam*	*15.2*		*7.0*	*3.0*
86-74-8	*Carbazole*	*54.2*		*2.0*	*0.50*
218-01-9	*Chrysene*	*51.3*		*0.50*	*0.10*
84-74-2	*Di-n-butyl phthalate*	*50.5*		*5.0*	*2.0*
117-84-0	*Di-n-octyl phthalate*	*44.9*		*11*	*5.0*
53-70-3	*Dibenz(a,h)anthracene*	*53.7*		*0.50*	*0.10*
132-64-9	*Dibenzofuran*	*46.8*		*2.0*	*0.50*
84-66-2	*Diethyl phthalate*	*44.6*		*5.0*	*2.0*
131-11-3	*Dimethyl phthalate*	*35.2*		*5.0*	*2.0*
206-44-0	*Fluoranthene*	*54.2*		*0.50*	*0.10*
86-73-7	*Fluorene*	*47.2*		*0.50*	*0.12*
118-74-1	*Hexachlorobenzene*	*55.3*		*0.50*	*0.11*
87-68-3	*Hexachlorobutadiene*	*40.6*		*2.0*	*0.50*
77-47-4	*Hexachlorocyclopentadiene*	*34.4*		*11*	*5.0*
67-72-1	*Hexachloroethane*	*34.0*		*5.0*	*0.50*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*52.6*		*0.50*	*0.11*
78-59-1	*Isophorone*	*47.6*		*2.0*	*0.50*
621-64-7	*N-Nitrosodi-n-propylamine*	*42.6*		*2.0*	*0.50*
86-30-6	*N-Nitrosodiphenylamine*	*46.7*		*2.0*	*0.50*
91-20-3	*Naphthalene*	*45.6*		*0.50*	*0.26*
98-95-3	*Nitrobenzene*	*48.3*		*2.0*	*0.50*
87-86-5	*Pentachlorophenol*	*99.7*		*5.0*	*2.6*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-655289/2-A

Matrix: Water
Lab File ID: DF1054.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/10/2025 07:46

Sample wt/vol: 250(mL)
Date Analyzed: 06/10/2025 20:44

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 655733
Units: ug/L

Preparation Batch No.: 655289
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	*Phenanthrene*	*50.7*		*0.50*	*0.11*
108-95-2	*Phenol*	*25.6*		*2.0*	*0.50*
129-00-0	*Pyrene*	*49.9*		*0.50*	*0.10*
111-91-1	*Bis(2-chloroethoxy)methane*	*48.0*		*2.0*	*0.50*
111-44-4	*Bis(2-chloroethyl)ether*	*45.1*		*2.0*	*0.50*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*44.9*		*5.0*	*2.0*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	90		13-134
321-60-8	2-Fluorobiphenyl (Surr)	80		45-120
367-12-4	2-Fluorophenol (Surr)	52		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	78		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	94		26-123
4165-62-2	Phenol-d5 (Surr)	38		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1054.D
Lims ID: LCS 410-655289/2-A
Client ID:
Sample Type: LCS
Inject. Date: 10-Jun-2025 20:44:13 ALS Bottle#: 4 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-655289/2-A
Misc. Info.: 410-0149952-005
Operator ID: IR93211 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Jun-2025 15:30:00 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: N5QU Date: 11-Jun-2025 15:23:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.509	1.496	0.011	93	148758	12.5	6.39	
$ 10 2-Fluorophenol	112	2.809	2.799	0.006	92	673396	25.0	13.0	
15 Benzaldehyde	77	3.631	3.643	0.000	98	559806	12.5	10.3	
$ 16 Phenol-d5	99	3.707	3.701	0.000	96	708815	25.0	9.38	
17 Phenol	94	3.724	3.719	0.000	93	510229	12.5	6.41	
19 Bis(2-chloroethyl)ether	93	3.800	3.800	-0.006	98	712959	12.5	11.3	
20 2-Chlorophenol	128	3.852	3.847	0.000	95	543672	12.5	10.7	
* 22 1,4-Dichlorobenzene-d4	152	4.056	4.057	0.000	96	191599	5.00	5.00	
28 2-Methylphenol	108	4.313	4.313	0.000	94	515975	12.5	9.79	
29 2,2'-oxybis[1-chloropropane]	45	4.325	4.324	-0.005	94	798519	12.5	9.94	
34 Acetophenone	105	4.447	4.446	-0.006	96	961277	12.5	10.9	
33 N-Nitrosodi-n-propylamine	70	4.453	4.452	-0.006	78	537611	12.5	10.7	
32 4-Methylphenol	108	4.464	4.464	0.000	94	511179	12.5	8.89	
38 Hexachloroethane	117	4.546	4.546	0.000	94	207265	12.5	8.49	
$ 39 Nitrobenzene-d5	82	4.593	4.588	0.000	86	1239113	25.0	19.6	
40 Nitrobenzene	77	4.610	4.611	-0.006	85	736015	12.5	12.1	
43 Isophorone	82	4.843	4.844	-0.006	97	1388294	12.5	11.9	
44 2-Nitrophenol	139	4.919	4.914	0.000	90	290344	12.5	13.2	
45 2,4-Dimethylphenol	107	4.977	4.972	0.000	96	649022	12.5	12.3	
47 Bis(2-chloroethoxy)methane	93	5.065	5.059	0.000	98	881659	12.5	12.0	
48 2,4-Dichlorophenol	162	5.158	5.152	0.000	95	485268	12.5	12.4	
* 50 Naphthalene-d8	136	5.280	5.286	-0.006	99	683674	5.00	5.00	
51 Naphthalene	128	5.304	5.298	0.000	97	1662247	12.5	11.4	
53 4-Chloroaniline	127	5.362	5.362	-0.006	94	549177	12.5	9.10	
56 Hexachlorobutadiene	225	5.426	5.426	-0.006	94	266199	12.5	10.2	
61 Caprolactam	113	5.677	5.682	-0.012	85	57369	12.5	3.81	
64 4-Chloro-3-methylphenol	107	5.846	5.839	0.000	93	563200	12.5	11.8	
66 2-Methylnaphthalene	142	5.968	5.962	0.000	92	984887	12.5	11.4	
67 1-Methylnaphthalene	142	6.061	6.055	-0.001	92	1027030	12.5	11.1	
68 Hexachlorocyclopentadiene	237	6.120	6.120	0.000	93	248172	12.5	8.61	
69 1,2,4,5-Tetrachlorobenzene	216	6.126	6.131	-0.005	97	541138	12.5	11.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
71 2,4,6-Trichlorophenol	196	6.242	6.248	-0.006	93	380111	12.5	13.4	
72 2,4,5-Trichlorophenol	196	6.283	6.283	0.000	95	419255	12.5	13.2	
$ 73 2-Fluorobiphenyl (Surr)	172	6.324	6.319	0.000	99	2144760	25.0	20.0	
75 1,1'-Biphenyl	154	6.417	6.412	0.000	96	1344618	12.5	11.6	
76 2-Chloronaphthalene	162	6.429	6.429	0.000	97	1015032	12.5	11.4	
79 2-Nitroaniline	138	6.534	6.534	0.000	80	360225	12.5	13.3	
85 Dimethyl phthalate	163	6.720	6.720	0.000	98	909020	12.5	8.80	
87 2,6-Dinitrotoluene	165	6.767	6.767	-0.006	94	290207	12.5	14.0	
88 Acenaphthylene	152	6.819	6.819	0.000	99	1717869	12.5	12.2	
89 3-Nitroaniline	138	6.924	6.924	0.000	90	267864	12.5	10.8	
* 90 Acenaphthene-d10	164	6.953	6.953	0.000	95	385464	5.00	5.00	
91 Acenaphthene	153	6.982	6.982	-0.006	96	1099631	12.5	11.7	
92 2,4-Dinitrophenol	184	7.023	7.029	-0.006	88	336156	25.0	27.0	
93 4-Nitrophenol	109	7.111	7.111	0.000	84	228402	25.0	14.8	
95 2,4-Dinitrotoluene	165	7.146	7.145	-0.006	89	407769	12.5	14.0	
96 Dibenzofuran	168	7.151	7.151	-0.001	97	1567740	12.5	11.7	
98 2,3,4,6-Tetrachlorophenol	232	7.274	7.274	0.000	72	337017	12.5	12.5	
100 Diethyl phthalate	149	7.390	7.390	-0.006	98	1176876	12.5	11.1	
102 Fluorene	166	7.472	7.472	0.000	94	1275140	12.5	11.8	
103 4-Chlorophenyl phenyl ether	204	7.484	7.484	0.000	89	634219	12.5	12.0	
105 4-Nitroaniline	138	7.501	7.501	0.000	81	298879	12.5	12.2	
106 4,6-Dinitro-2-methylphenol	198	7.530	7.530	0.000	85	497384	25.0	29.9	
107 N-Nitrosodiphenylamine	169	7.594	7.595	-0.006	65	955817	10.6	11.7	
$ 109 2,4,6-Tribromophenol	330	7.699	7.699	-0.006	93	343634	25.0	22.5	
116 4-Bromophenyl phenyl ether	248	7.944	7.939	0.000	62	387604	12.5	13.5	
118 Hexachlorobenzene	284	7.985	7.991	-0.006	94	429933	12.5	13.8	
120 Atrazine	200	8.113	8.119	-0.006	93	382161	12.5	14.5	
121 Pentachlorophenol	266	8.183	8.177	0.000	93	500127	25.0	24.9	
* 126 Phenanthrene-d10	188	8.352	8.358	-0.006	98	685867	5.00	5.00	
128 Phenanthrene	178	8.375	8.375	-0.006	98	1879779	12.5	12.7	
129 Anthracene	178	8.428	8.422	0.000	98	1905500	12.5	13.1	
130 Carbazole	167	8.585	8.591	-0.006	96	1784991	12.5	13.6	
133 Di-n-butyl phthalate	149	8.947	8.940	0.000	100	1767746	12.5	12.6	
143 Fluoranthene	202	9.500	9.500	-0.006	98	2101641	12.5	13.5	
* 149 Pyrene-d10 (IS)	212	9.699	9.699	0.000	99	693947	5.00	5.00	
150 Pyrene	202	9.716	9.710	0.000	98	2155121	12.5	12.5	
$ 152 p-Terphenyl-d14	244	9.885	9.879	0.000	98	2536402	25.0	23.4	
157 Butyl benzyl phthalate	149	10.375	10.374	-0.006	97	638858	12.5	10.4	
159 3,3'-Dichlorobenzidine	252	10.911	10.917	-0.006	74	929315	25.0	16.4	
161 Benzo[a]anthracene	228	10.923	10.922	0.000	99	1801897	12.5	13.1	
162 Chrysene	228	10.958	10.963	-0.005	97	1725456	12.5	12.8	
163 Bis(2-ethylhexyl) phthalate	149	11.016	11.015	-0.006	97	973239	12.5	11.2	
165 Di-n-octyl phthalate	149	11.808	11.804	-0.006	99	1425368	12.5	11.2	
167 Benzo[b]fluoranthene	252	12.211	12.211	0.000	97	1606306	12.5	13.3	
168 Benzo[k]fluoranthene	252	12.246	12.246	0.000	99	1669038	12.5	13.1	
169 Benzo[a]pyrene	252	12.630	12.625	-0.006	77	1562963	12.5	13.9	
* 170 Perylene-d12	264	12.706	12.712	-0.006	99	502174	5.00	5.00	
174 Indeno[1,2,3-cd]pyrene	276	14.163	14.169	-0.006	99	1354058	12.5	13.1	
175 Dibenz(a,h)anthracene	278	14.210	14.216	-0.006	93	1393894	12.5	13.4	
176 Benzo[g,h,i]perylene	276	14.542	14.542	0.000	98	1418308	12.5	13.4	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00109 Amount Added: 20.00 Units: uL Run Reagent

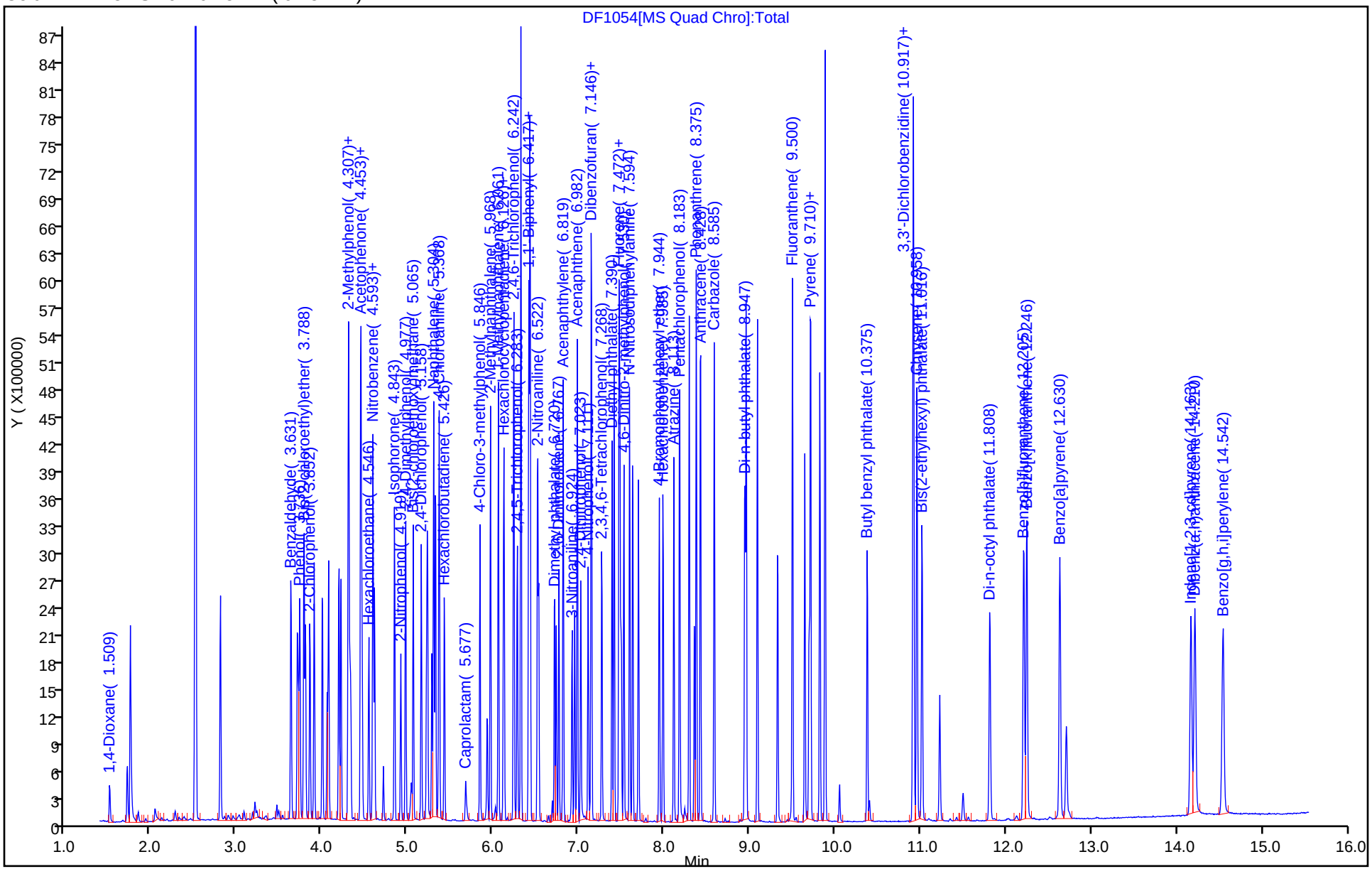
Report Date: 11-Jun-2025 15:32:45 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1054.D

Injection Date:	10-Jun-2025 20:44:13	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	LCS 410-655289/2-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\DF1054.D
Lims ID: LCS 410-655289/2-A
Client ID:
Sample Type: LCS
Inject. Date: 10-Jun-2025 20:44:13 ALS Bottle#: 4 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-655289/2-A
Misc. Info.: 410-0149952-005
Operator ID: IR93211 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250610-149952.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Jun-2025 15:30:00 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: N5QU Date: 11-Jun-2025 15:23:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	13.0	52.12
$ 16 Phenol-d5	25.0	9.38	37.54
$ 39 Nitrobenzene-d5	25.0	19.6	78.32
$ 73 2-Fluorobiphenyl (Surr)	25.0	20.0	79.99
$ 109 2,4,6-Tribromophenol	25.0	22.5	90.20
$ 152 p-Terphenyl-d14	25.0	23.4	93.60

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-653019/3-A

Matrix: Water
Lab File ID: DF0505.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 250(mL)
Date Analyzed: 06/05/2025 09:38

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653230
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	43.5		2.0	0.50
108-60-1	bis(1-chloroispropyl)ether	41.2		2.0	0.50
95-95-4	2,4,5-Trichlorophenol	46.1		2.0	0.50
88-06-2	2,4,6-Trichlorophenol	47.3		2.0	0.50
120-83-2	2,4-Dichlorophenol	44.6		2.0	0.50
105-67-9	2,4-Dimethylphenol	45.6		10	3.0
51-28-5	2,4-Dinitrophenol	97.9		30	14
121-14-2	2,4-Dinitrotoluene	47.6		5.0	1.0
606-20-2	2,6-Dinitrotoluene	49.6		2.0	0.50
91-58-7	2-Chloronaphthalene	42.3		1.0	0.40
95-57-8	2-Chlorophenol	39.9		2.0	0.50
91-57-6	2-Methylnaphthalene	42.0		0.50	0.10
95-48-7	2-Methylphenol	38.5		2.0	0.50
88-74-4	2-Nitroaniline	48.2		5.0	1.0
88-75-5	2-Nitrophenol	46.6		5.0	1.0
91-94-1	3,3'-Dichlorobenzidine	56.1		10	4.0
99-09-2	3-Nitroaniline	39.3		5.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	101		21	8.0
101-55-3	4-Bromophenyl-phenylether	48.2		2.0	0.50
59-50-7	4-Chloro-3-methylphenol	41.3		5.0	1.0
106-47-8	4-Chloroaniline	34.7		10	4.0
7005-72-3	4-Chlorophenyl-phenyl ether	42.7		2.0	0.50
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	34.8		2.0	0.50
100-01-6	4-Nitroaniline	41.9		3.0	0.90
100-02-7	4-Nitrophenol	46.3		30	10
83-32-9	Acenaphthene	43.6		0.50	0.10
208-96-8	Acenaphthylene	46.0		0.50	0.10
98-86-2	Acetophenone	41.0		5.0	1.0
120-12-7	Anthracene	48.0		0.50	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-653019/3-A

Matrix: Water
Lab File ID: DF0505.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 250(mL)
Date Analyzed: 06/05/2025 09:38

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653230
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	49.9		5.0	1.0
100-52-7	Benzaldehyde	43.0		5.0	1.0
56-55-3	Benzo[a]anthracene	42.9		0.50	0.10
50-32-8	Benzo[a]pyrene	48.4		0.50	0.11
205-99-2	Benzo[b]fluoranthene	45.0		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	48.4		0.50	0.10
207-08-9	Benzo[k]fluoranthene	47.4		0.50	0.10
85-68-7	Butylbenzylphthalate	38.3		5.0	2.0
105-60-2	Caprolactam	12.6		7.0	3.0
86-74-8	Carbazole	46.8		2.0	0.50
218-01-9	Chrysene	43.3		0.50	0.10
84-74-2	Di-n-butyl phthalate	44.8		5.0	2.0
117-84-0	Di-n-octyl phthalate	38.6		11	5.0
53-70-3	Dibenz(a,h)anthracene	49.0		0.50	0.10
132-64-9	Dibenzofuran	43.5		2.0	0.50
84-66-2	Diethyl phthalate	42.0		5.0	2.0
131-11-3	Dimethyl phthalate	41.3		5.0	2.0
206-44-0	Fluoranthene	45.1		0.50	0.10
86-73-7	Fluorene	43.9		0.50	0.12
118-74-1	Hexachlorobenzene	47.1		0.50	0.11
87-68-3	Hexachlorobutadiene	36.1		2.0	0.50
77-47-4	Hexachlorocyclopentadiene	29.5		11	5.0
67-72-1	Hexachloroethane	33.4		5.0	0.50
193-39-5	Indeno[1,2,3-cd]pyrene	46.9		0.50	0.11
78-59-1	Isophorone	43.5		2.0	0.50
621-64-7	N-Nitrosodi-n-propylamine	40.5		2.0	0.50
86-30-6	N-Nitrosodiphenylamine	42.1		2.0	0.50
91-20-3	Naphthalene	42.0		0.50	0.26
98-95-3	Nitrobenzene	46.2		2.0	0.50
87-86-5	Pentachlorophenol	90.9		5.0	2.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-653019/3-A

Matrix: Water
Lab File ID: DF0505.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 06/04/2025 16:15

Sample wt/vol: 250(mL)
Date Analyzed: 06/05/2025 09:38

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653230
Units: ug/L

Preparation Batch No.: 653019
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	46.2		0.50	0.11
108-95-2	Phenol	24.8		2.0	0.50
129-00-0	Pyrene	44.4		0.50	0.10
111-91-1	Bis(2-chloroethoxy)methane	43.7		2.0	0.50
111-44-4	Bis(2-chloroethyl)ether	42.1		2.0	0.50
117-81-7	Bis(2-ethylhexyl) phthalate	37.6		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	73		13-134
321-60-8	2-Fluorobiphenyl (Surr)	71		45-120
367-12-4	2-Fluorophenol (Surr)	50		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	73		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	85		26-123
4165-62-2	Phenol-d5 (Surr)	37		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0505.D
Lims ID: LCSD 410-653019/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 05-Jun-2025 09:38:16 ALS Bottle#: 5 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-653019/3-A
Misc. Info.: 410-0149375-036
Operator ID: CJS101602 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 16:33:12 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: N5QU Date: 05-Jun-2025 16:20:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.891	2.891	0.000	93	610794	25.0	12.6	
15 Benzaldehyde	77	3.724	3.724	0.000	97	547247	12.5	10.7	
$ 16 Phenol-d5	99	3.788	3.788	0.000	96	648624	25.0	9.14	
17 Phenol	94	3.800	3.800	0.000	92	463473	12.5	6.19	
19 Bis(2-chloroethyl)ether	93	3.887	3.887	0.000	97	625095	12.5	10.5	
20 2-Chlorophenol	128	3.940	3.940	0.000	94	477068	12.5	9.96	
* 22 1,4-Dichlorobenzene-d4	152	4.144	4.144	0.000	96	179993	5.00	5.00	
28 2-Methylphenol	108	4.389	4.389	0.000	67	476562	12.5	9.63	
29 2,2'-oxybis[1-chloropropane]	45	4.406	4.412	-0.006	94	777766	12.5	10.3	
34 Acetophenone	105	4.528	4.534	-0.006	97	849106	12.5	10.2	
33 N-Nitrosodi-n-propylamine	70	4.534	4.540	-0.006	79	480502	12.5	10.1	
32 4-Methylphenol	108	4.540	4.540	0.000	96	470378	12.5	8.70	
38 Hexachloroethane	117	4.628	4.628	0.000	95	191734	12.5	8.36	
$ 39 Nitrobenzene-d5	82	4.674	4.680	-0.006	87	1122458	25.0	18.3	
40 Nitrobenzene	77	4.692	4.697	-0.006	85	681812	12.5	11.5	
43 Isophorone	82	4.925	4.931	-0.006	96	1231512	12.5	10.9	
44 2-Nitrophenol	139	5.001	5.007	-0.005	90	249044	12.5	11.7	
45 2,4-Dimethylphenol	107	5.053	5.053	0.000	96	583171	12.5	11.4	
47 Bis(2-chloroethoxy)methane	93	5.146	5.146	0.000	99	778651	12.5	10.9	
48 2,4-Dichlorophenol	162	5.234	5.240	-0.006	95	421814	12.5	11.1	
* 50 Naphthalene-d8	136	5.368	5.368	0.000	100	663328	5.00	5.00	
51 Naphthalene	128	5.385	5.391	-0.006	97	1486382	12.5	10.5	
53 4-Chloroaniline	127	5.444	5.444	0.000	94	507155	12.5	8.66	
56 Hexachlorobutadiene	225	5.514	5.513	0.000	96	229355	12.5	9.01	
61 Caprolactam	113	5.758	5.764	-0.006	82	46104	12.5	3.16	
64 4-Chloro-3-methylphenol	107	5.922	5.922	0.000	94	479158	12.5	10.3	
66 2-Methylnaphthalene	142	6.050	6.056	-0.006	92	878091	12.5	10.5	
68 Hexachlorocyclopentadiene	237	6.201	6.207	-0.006	94	201812	12.5	7.37	
69 1,2,4,5-Tetrachlorobenzene	216	6.207	6.208	-0.006	97	463285	12.5	10.3	
71 2,4,6-Trichlorophenol	196	6.324	6.330	-0.006	94	317573	12.5	11.8	
72 2,4,5-Trichlorophenol	196	6.359	6.365	-0.006	94	348019	12.5	11.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 73 2-Fluorobiphenyl (Surr)	172	6.405	6.411	-0.006	99	1797547	25.0	17.7	
75 1,1'-Biphenyl	154	6.499	6.504	-0.005	96	1198633	12.5	10.9	
76 2-Chloronaphthalene	162	6.510	6.516	-0.006	94	893952	12.5	10.6	
78 Phenyl ether	170	6.603	6.598	0.000	86	703939	12.5	10.9	
79 2-Nitroaniline	138	6.615	6.615	0.000	79	310789	12.5	12.1	
85 Dimethyl phthalate	163	6.796	6.802	-0.006	98	1013181	12.5	10.3	
87 2,6-Dinitrotoluene	165	6.848	6.854	-0.006	94	243402	12.5	12.4	
88 Acenaphthylene	152	6.901	6.907	-0.006	99	1534266	12.5	11.5	
89 3-Nitroaniline	138	7.006	7.006	0.000	90	232163	12.5	9.82	
* 90 Acenaphthene-d10	164	7.041	7.041	0.000	95	365977	5.00	5.00	
91 Acenaphthene	153	7.070	7.070	0.000	97	967747	12.5	10.9	
92 2,4-Dinitrophenol	184	7.105	7.111	-0.006	87	289279	25.0	24.5	
93 4-Nitrophenol	109	7.186	7.192	-0.006	84	169925	25.0	11.6	
95 2,4-Dinitrotoluene	165	7.227	7.233	-0.006	87	329490	12.5	11.9	
96 Dibenzofuran	168	7.233	7.239	-0.006	97	1383437	12.5	10.9	
98 2,3,4,6-Tetrachlorophenol	232	7.355	7.349	0.000	72	284512	12.5	11.1	
100 Diethyl phthalate	149	7.472	7.478	-0.006	98	1052358	12.5	10.5	
102 Fluorene	166	7.559	7.559	0.000	94	1126479	12.5	11.0	
103 4-Chlorophenyl phenyl ether	204	7.571	7.571	0.000	89	536250	12.5	10.7	
105 4-Nitroaniline	138	7.583	7.589	-0.006	80	243806	12.5	10.5	
106 4,6-Dinitro-2-methylphenol	198	7.612	7.612	-0.006	84	390893	25.0	25.2	
107 N-Nitrosodiphenylamine	169	7.682	7.682	-0.006	63	802155	10.6	10.5	
$ 109 2,4,6-Tribromophenol	330	7.787	7.792	-0.006	93	263410	25.0	18.2	
116 4-Bromophenyl phenyl ether	248	8.031	8.032	-0.006	64	322862	12.5	12.0	
118 Hexachlorobenzene	284	8.078	8.073	0.000	94	341150	12.5	11.8	
120 Atrazine	200	8.201	8.201	-0.006	92	305968	12.5	12.5	
121 Pentachlorophenol	266	8.270	8.271	-0.006	93	423750	25.0	22.7	
* 126 Phenanthrene-d10	188	8.445	8.451	-0.006	97	638672	5.00	5.00	
128 Phenanthrene	178	8.469	8.469	-0.005	98	1593541	12.5	11.5	
129 Anthracene	178	8.515	8.515	-0.006	98	1620520	12.5	12.0	
130 Carbazole	167	8.678	8.678	-0.006	95	1433406	12.5	11.7	
133 Di-n-butyl phthalate	149	9.034	9.034	-0.006	100	1459764	12.5	11.2	
143 Fluoranthene	202	9.599	9.593	0.000	98	1629216	12.5	11.3	
* 149 Pyrene-d10 (IS)	212	9.792	9.798	-0.006	99	615410	5.00	5.00	
150 Pyrene	202	9.809	9.815	-0.006	97	1699950	12.5	11.1	
$ 152 p-Terphenyl-d14	244	9.978	9.984	-0.006	98	2034625	25.0	21.2	
157 Butyl benzyl phthalate	149	10.480	10.485	-0.005	96	519538	12.5	9.58	
159 3,3'-Dichlorobenzidine	252	11.027	11.027	-0.006	74	703974	25.0	14.0	
161 Benzo[a]anthracene	228	11.033	11.038	-0.012	99	1306355	12.5	10.7	
162 Chrysene	228	11.074	11.073	-0.006	97	1289818	12.5	10.8	
163 Bis(2-ethylhexyl) phthalate	149	11.132	11.132	-0.006	98	723692	12.5	9.41	
165 Di-n-octyl phthalate	149	11.948	11.955	-0.012	99	1011967	12.5	9.65	
167 Benzo[b]fluoranthene	252	12.356	12.363	-0.012	97	1130927	12.5	11.3	
168 Benzo[k]fluoranthene	252	12.391	12.397	-0.012	99	1261132	12.5	11.9	
169 Benzo[a]pyrene	252	12.788	12.793	-0.011	78	1131360	12.5	12.1	
* 170 Perylene-d12	264	12.863	12.875	-0.012	98	418311	5.00	5.00	
174 Indeno[1,2,3-cd]pyrene	276	14.361	14.367	-0.012	99	1006383	12.5	11.7	
175 Dibenz(a,h)anthracene	278	14.408	14.413	-0.012	93	1060395	12.5	12.3	
176 Benzo[g,h,i]perylene	276	14.758	14.763	-0.011	97	1066422	12.5	12.1	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00109 Amount Added: 20.00 Units: uL Run Reagent

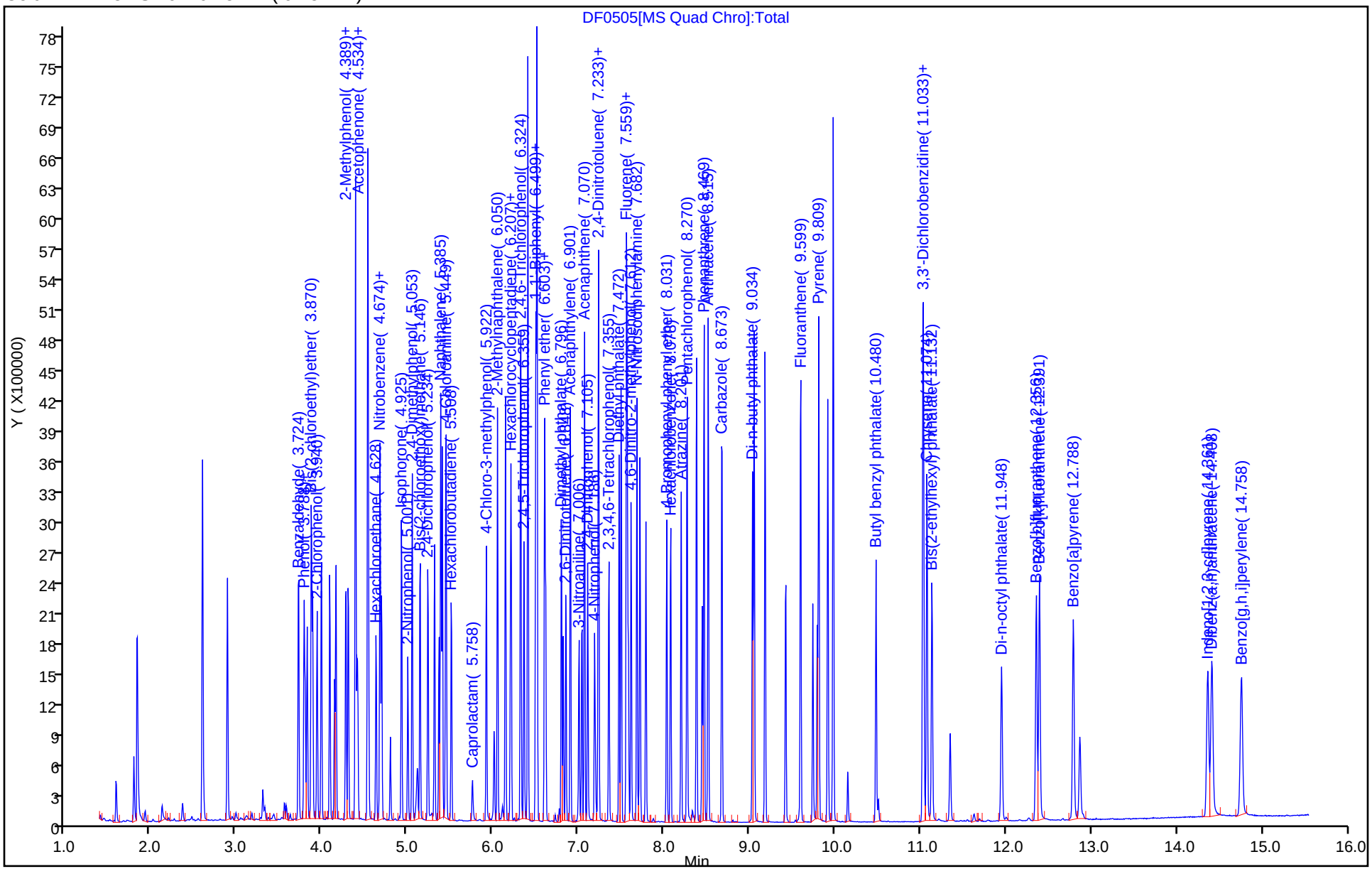
Report Date: 05-Jun-2025 16:33:57 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0505.D

Injection Date:	05-Jun-2025 09:38:16	Instrument ID:	HP19760	Operator ID:	CJS101602
Lims ID:	LCSD 410-653019/3-A			Worklist Smp#:	36
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\DF0505.D
Lims ID: LCSD 410-653019/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 05-Jun-2025 09:38:16 ALS Bottle#: 5 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-653019/3-A
Misc. Info.: 410-0149375-036
Operator ID: CJS101602 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250605-149375.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 16:33:12 Calib Date: 31-May-2025 05:14:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250530-148877.b\DE3070.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: N5QU Date: 05-Jun-2025 16:20:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	12.6	50.33
$ 16 Phenol-d5	25.0	9.14	36.57
$ 39 Nitrobenzene-d5	25.0	18.3	73.12
$ 73 2-Fluorobiphenyl (Surr)	25.0	17.7	70.61
$ 109 2,4,6-Tribromophenol	25.0	18.2	72.82
$ 152 p-Terphenyl-d14	25.0	21.2	84.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MS
Lab Sample ID: 410-225004-2 MS

Matrix: Water
Lab File ID: JF0643.D

Analysis Method: 8270E
Date Collected: 05/29/2025 11:05

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 244.6(mL)
Date Analyzed: 06/06/2025 16:38

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	39.0		2.0	0.51
108-60-1	bis(1-chloroispropyl)ether	57.9		2.0	0.51
95-95-4	2,4,5-Trichlorophenol	40.1		2.0	0.51
88-06-2	2,4,6-Trichlorophenol	36.0		2.0	0.51
120-83-2	2,4-Dichlorophenol	38.7		2.0	0.51
105-67-9	2,4-Dimethylphenol	19.1		10	3.1
51-28-5	2,4-Dinitrophenol	67.6		31	14
121-14-2	2,4-Dinitrotoluene	43.2		5.1	1.0
606-20-2	2,6-Dinitrotoluene	42.5		2.0	0.51
91-58-7	2-Chloronaphthalene	41.8		1.0	0.41
95-57-8	2-Chlorophenol	32.2		2.0	0.51
91-57-6	2-Methylnaphthalene	38.5		0.51	0.10
95-48-7	2-Methylphenol	28.1		2.0	0.51
88-74-4	2-Nitroaniline	38.6		5.1	1.0
88-75-5	2-Nitrophenol	33.5		5.1	1.0
91-94-1	3,3'-Dichlorobenzidine	58.5		10	4.1
99-09-2	3-Nitroaniline	32.6		5.1	2.0
534-52-1	4,6-Dinitro-2-methylphenol	74.8		21	8.2
101-55-3	4-Bromophenyl-phenylether	47.4		2.0	0.51
59-50-7	4-Chloro-3-methylphenol	29.3		5.1	1.0
106-47-8	4-Chloroaniline	24.0		10	4.1
7005-72-3	4-Chlorophenyl-phenyl ether	42.9		2.0	0.51
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	22.3		2.0	0.51
100-01-6	4-Nitroaniline	34.9		3.1	0.92
100-02-7	4-Nitrophenol	42.8		31	10
83-32-9	Acenaphthene	40.0		0.51	0.10
208-96-8	Acenaphthylene	45.9		0.51	0.10
98-86-2	Acetophenone	39.0		5.1	1.0
120-12-7	Anthracene	41.1		0.51	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MS
Lab Sample ID: 410-225004-2 MS

Matrix: Water
Lab File ID: JF0643.D

Analysis Method: 8270E
Date Collected: 05/29/2025 11:05

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 244.6(mL)
Date Analyzed: 06/06/2025 16:38

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	37.2		5.1	1.0
100-52-7	Benzaldehyde	34.8		5.1	1.0
56-55-3	Benzo[a]anthracene	42.3		0.51	0.10
50-32-8	Benzo[a]pyrene	40.5		0.51	0.11
205-99-2	Benzo[b]fluoranthene	42.4		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	44.5		0.51	0.10
207-08-9	Benzo[k]fluoranthene	45.8		0.51	0.10
85-68-7	Butylbenzylphthalate	33.9		5.1	2.0
105-60-2	Caprolactam	9.03		7.2	3.1
86-74-8	Carbazole	48.1		2.0	0.51
218-01-9	Chrysene	42.8		0.51	0.10
84-74-2	Di-n-butyl phthalate	39.6		5.1	2.0
117-84-0	Di-n-octyl phthalate	38.8		11	5.1
53-70-3	Dibenz(a,h)anthracene	43.6		0.51	0.10
132-64-9	Dibenzofuran	44.6		2.0	0.51
84-66-2	Diethyl phthalate	39.8		5.1	2.0
131-11-3	Dimethyl phthalate	30.2		5.1	2.0
206-44-0	Fluoranthene	44.6		0.51	0.10
86-73-7	Fluorene	43.7		0.51	0.12
118-74-1	Hexachlorobenzene	43.2		0.51	0.11
87-68-3	Hexachlorobutadiene	37.9		2.0	0.51
77-47-4	Hexachlorocyclopentadiene	34.1		11	5.1
67-72-1	Hexachloroethane	31.5		5.1	0.51
193-39-5	Indeno[1,2,3-cd]pyrene	43.2		0.51	0.11
78-59-1	Isophorone	39.1		2.0	0.51
621-64-7	N-Nitrosodi-n-propylamine	36.8		2.0	0.51
86-30-6	N-Nitrosodiphenylamine	38.3		2.0	0.51
91-20-3	Naphthalene	40.0		0.51	0.27
98-95-3	Nitrobenzene	39.6		2.0	0.51
87-86-5	Pentachlorophenol	54.7		5.1	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MS
Lab Sample ID: 410-225004-2 MS

Matrix: Water
Lab File ID: JF0643.D

Analysis Method: 8270E
Date Collected: 05/29/2025 11:05

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 244.6(mL)
Date Analyzed: 06/06/2025 16:38

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	41.5		0.51	0.11
108-95-2	Phenol	16.9		2.0	0.51
129-00-0	Pyrene	44.2		0.51	0.10
111-91-1	Bis(2-chloroethoxy)methane	46.2		2.0	0.51
111-44-4	Bis(2-chloroethyl)ether	38.6		2.0	0.51
117-81-7	Bis(2-ethylhexyl) phthalate	37.2		5.1	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	39		13-134
321-60-8	2-Fluorobiphenyl (Surr)	68		45-120
367-12-4	2-Fluorophenol (Surr)	38		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	62		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	74		26-123
4165-62-2	Phenol-d5 (Surr)	26		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0643.D
Lims ID: 410-225004-G-2-A MS
Client ID: MW-3D
Sample Type: MS
Inject. Date: 06-Jun-2025 16:38:30 ALS Bottle#: 22 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-2-A MS
Misc. Info.: 410-0149501-027
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:38:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 9 2-Fluorophenol	112	2.952	2.953	-0.005	95	553995	25.0	9.45	
13 Benzaldehyde	77	3.787	3.787	-0.005	93	586173	12.5	8.51	
$ 15 Phenol-d5	99	3.874	3.869	0.000	94	558634	25.0	6.39	
16 Phenol	94	3.886	3.881	0.000	94	380324	12.5	4.13	
18 Bis(2-chloroethyl)ether	93	3.950	3.956	-0.012	88	635207	12.5	9.45	
19 2-Chlorophenol	128	4.009	4.009	-0.005	90	419880	12.5	7.87	
* 22 1,4-Dichlorobenzene-d4	152	4.207	4.213	-0.006	97	197455	5.00	5.00	
29 2-Methylphenol	108	4.464	4.470	-0.012	95	403857	12.5	6.88	
30 2,2'-oxybis[1-chloropropane]	45	4.476	4.475	-0.005	92	1086332	12.5	14.2	
32 Acetophenone	105	4.598	4.598	-0.006	92	982438	12.5	9.53	
33 N-Nitrosodi-n-propylamine	70	4.604	4.604	-0.006	86	563909	12.5	9.01	
34 4-Methylphenol	108	4.622	4.621	-0.005	91	360116	12.5	5.45	
37 Hexachloroethane	117	4.692	4.691	-0.006	95	240138	12.5	7.71	
$ 39 Nitrobenzene-d5	82	4.744	4.745	-0.006	89	1345052	25.0	15.4	
40 Nitrobenzene	77	4.762	4.733	-0.006	87	827821	12.5	9.68	
42 Isophorone	82	4.995	4.996	-0.006	98	1427805	12.5	9.57	
43 2-Nitrophenol	139	5.071	5.072	-0.006	82	233856	12.5	8.19	
44 2,4-Dimethylphenol	107	5.130	5.130	-0.005	95	310728	12.5	4.68	
47 Bis(2-chloroethoxy)methane	93	5.217	5.217	-0.006	94	864614	12.5	11.3	
49 2,4-Dichlorophenol	162	5.317	5.311	0.001	96	397935	12.5	9.48	
* 52 Naphthalene-d8	136	5.433	5.439	-0.006	99	698232	5.00	5.00	
53 Naphthalene	128	5.457	5.451	0.000	98	1457280	12.5	9.78	
56 4-Chloroaniline	127	5.521	5.521	-0.006	90	368903	12.5	5.86	
59 Hexachlorobutadiene	225	5.573	5.573	-0.006	96	293886	12.5	9.26	
62 Caprolactam	113	5.848	5.847	-0.006	72	34375	12.5	2.21	
65 4-Chloro-3-methylphenol	107	6.006	6.005	-0.005	93	424662	12.5	7.16	
67 2-Methylnaphthalene	142	6.122	6.122	-0.006	88	818490	12.5	9.43	
71 Hexachlorocyclopentadiene	237	6.268	6.269	-0.006	94	349719	12.5	8.33	
79 2,4,6-Trichlorophenol	196	6.403	6.403	-0.005	93	262642	12.5	8.80	
80 2,4,5-Trichlorophenol	196	6.443	6.444	-0.006	91	337194	12.5	9.80	
$ 81 2-Fluorobiphenyl (Surr)	172	6.479	6.479	-0.005	99	1849574	25.0	17.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
83 1,1'-Biphenyl	154	6.572	6.572	-0.006	97	1170474	12.5	9.54	
84 2-Chloronaphthalene	162	6.584	6.584	-0.005	97	899370	12.5	10.2	
87 2-Nitroaniline	138	6.695	6.695	-0.005	72	298980	12.5	9.43	
90 Dimethyl phthalate	163	6.876	6.876	-0.005	95	838510	12.5	7.39	
92 2,6-Dinitrotoluene	165	6.934	6.934	-0.006	82	240042	12.5	10.4	
93 Acenaphthylene	152	6.981	6.981	-0.005	98	1570994	12.5	11.2	
95 3-Nitroaniline	138	7.092	7.092	-0.005	88	209660	12.5	7.97	
* 96 Acenaphthene-d10	164	7.115	7.121	-0.006	95	383734	5.00	5.00	
97 Acenaphthene	153	7.144	7.138	-0.006	98	965032	12.5	9.78	
98 2,4-Dinitrophenol	184	7.191	7.191	-0.006	74	258068	25.0	16.5	
100 4-Nitrophenol	109	7.284	7.284	-0.006	90	286352	25.0	10.5	
101 Dibenzofuran	168	7.308	7.308	-0.005	95	1404036	12.5	10.9	
102 2,4-Dinitrotoluene	165	7.314	7.313	-0.005	80	348180	12.5	10.6	
107 Diethyl phthalate	149	7.553	7.553	-0.006	95	1141729	12.5	9.73	
108 Fluorene	166	7.635	7.634	-0.005	95	1140802	12.5	10.7	
110 4-Chlorophenyl phenyl ether	204	7.646	7.646	-0.006	96	526761	12.5	10.5	
112 4-Nitroaniline	138	7.670	7.675	-0.011	76	229384	12.5	8.53	
113 4,6-Dinitro-2-methylphenol	198	7.699	7.694	-0.006	65	365364	25.0	18.3	
114 N-Nitrosodiphenylamine	169	7.763	7.758	-0.006	66	775943	10.6	9.38	
$ 116 2,4,6-Tribromophenol	330	7.868	7.868	-0.006	90	214334	25.0	9.69	
122 4-Bromophenyl phenyl ether	248	8.108	8.102	-0.005	72	343500	12.5	11.6	
124 Hexachlorobenzene	284	8.154	8.149	-0.006	93	402921	12.5	10.6	
126 Atrazine	200	8.283	8.277	-0.006	85	294114	12.5	9.11	
127 Pentachlorophenol	266	8.353	8.347	-0.006	89	334550	25.0	13.4	
* 131 Phenanthrene-d10	188	8.522	8.534	-0.012	97	705666	5.00	5.00	
132 Phenanthrene	178	8.546	8.540	-0.005	99	1589557	12.5	10.2	
135 Anthracene	178	8.598	8.592	-0.006	99	1582424	12.5	10.1	
136 Carbazole	167	8.762	8.755	-0.005	96	1639388	12.5	11.8	
138 Di-n-butyl phthalate	149	9.112	9.105	-0.006	99	1836008	12.5	9.68	
144 Fluoranthene	202	9.678	9.671	-0.006	98	1862071	12.5	10.9	
* 146 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	98	719734	5.00	5.00	
147 Pyrene	202	9.894	9.894	-0.006	98	1970721	12.5	10.8	
$ 148 p-Terphenyl-d14	244	10.058	10.058	-0.006	98	2119593	25.0	18.5	
153 Butyl benzyl phthalate	149	10.566	10.565	-0.006	94	707705	12.5	8.28	
157 3,3'-Dichlorobenzidine	252	11.132	11.132	-0.006	75	975021	25.0	14.3	
156 Benzo[a]anthracene	228	11.132	11.132	-0.006	99	1688538	12.5	10.4	
159 Chrysene	228	11.179	11.178	-0.006	97	1595381	12.5	10.5	
160 Bis(2-ethylhexyl) phthalate	149	11.232	11.231	-0.005	95	1087427	12.5	9.11	
162 Di-n-octyl phthalate	149	12.061	12.061	-0.005	99	1723063	12.5	9.50	
164 Benzo[b]fluoranthene	252	12.487	12.493	-0.011	97	1555903	12.5	10.4	
165 Benzo[k]fluoranthene	252	12.522	12.528	-0.012	99	1700018	12.5	11.2	
166 Benzo[a]pyrene	252	12.931	12.931	-0.005	77	1543105	12.5	9.92	
* 167 Perylene-d12	264	13.007	13.012	-0.005	99	643985	5.00	5.00	
171 Indeno[1,2,3-cd]pyrene	276	14.519	14.518	-0.006	99	1547645	12.5	10.6	
172 Dibenz(a,h)anthracene	278	14.560	14.559	-0.005	93	1487701	12.5	10.7	
173 Benzo[g,h,i]perylene	276	14.858	14.863	-0.011	98	1556592	12.5	10.9	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

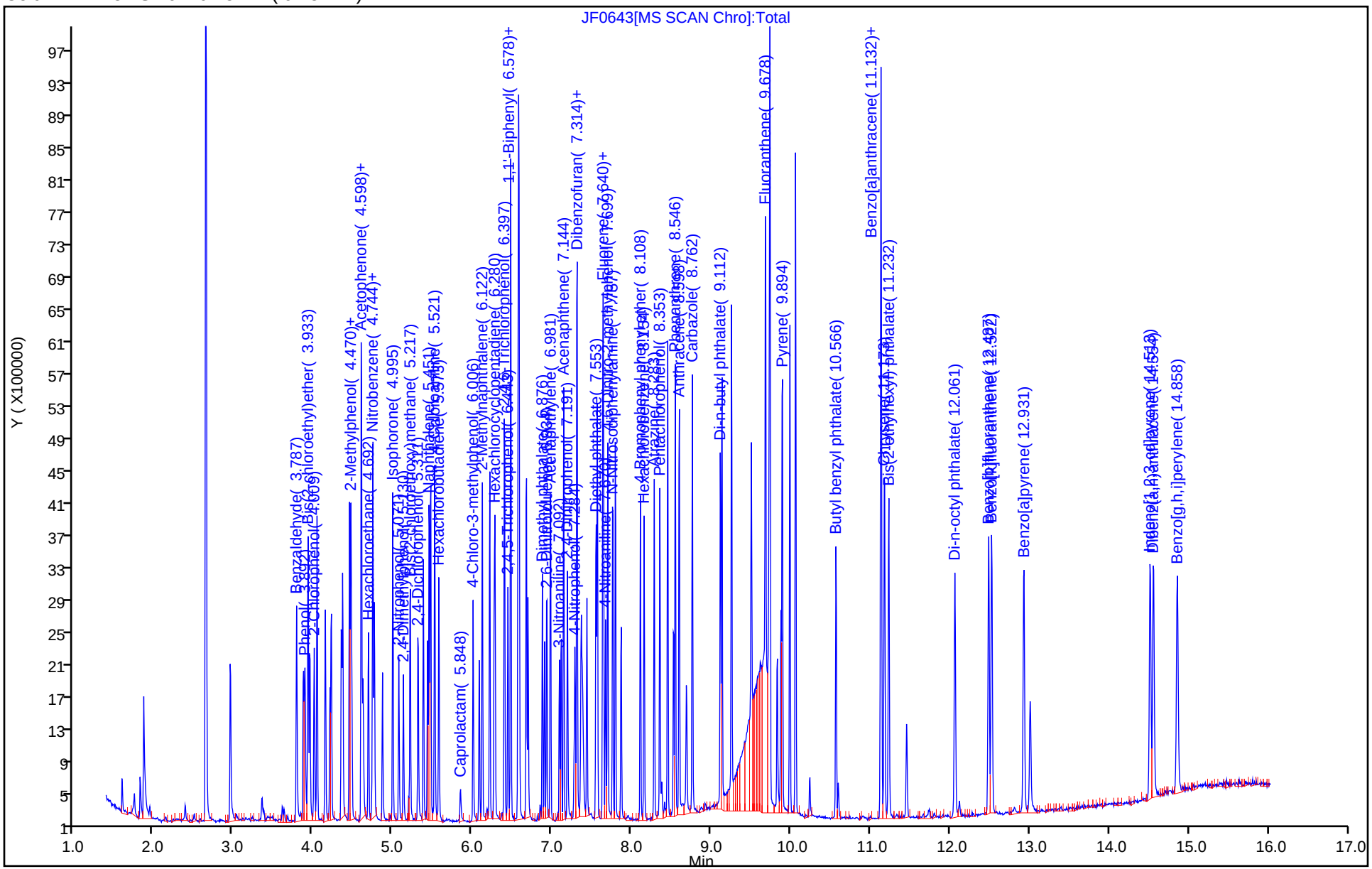
Report Date: 06-Jun-2025 19:44:22 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0643.D

Injection Date:	06-Jun-2025 16:38:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-225004-G-2-A MS			Worklist Smp#:	27
Client ID:	MW-3D				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0643.D
Lims ID: 410-225004-G-2-A MS
Client ID: MW-3D
Sample Type: MS
Inject. Date: 06-Jun-2025 16:38:30 ALS Bottle#: 22 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-2-A MS
Misc. Info.: 410-0149501-027
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:38:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	9.45	37.80
$ 15 Phenol-d5	25.0	6.39	25.57
$ 39 Nitrobenzene-d5	25.0	15.4	61.71
$ 81 2-Fluorobiphenyl (Surr)	25.0	17.1	68.41
$ 116 2,4,6-Tribromophenol	25.0	9.69	38.77
$ 148 p-Terphenyl-d14	25.0	18.5	73.91

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MSD
Lab Sample ID: 410-225004-2 MSD

Matrix: Water
Lab File ID: JF0644.D

Analysis Method: 8270E
Date Collected: 05/29/2025 11:05

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 245.6(mL)
Date Analyzed: 06/06/2025 17:00

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	45.8		2.0	0.51
108-60-1	bis(1-chloroispropyl)ether	60.4		2.0	0.51
95-95-4	2,4,5-Trichlorophenol	49.5		2.0	0.51
88-06-2	2,4,6-Trichlorophenol	44.9		2.0	0.51
120-83-2	2,4-Dichlorophenol	43.8		2.0	0.51
105-67-9	2,4-Dimethylphenol	22.4		10	3.1
51-28-5	2,4-Dinitrophenol	77.5		31	14
121-14-2	2,4-Dinitrotoluene	51.9		5.1	1.0
606-20-2	2,6-Dinitrotoluene	50.4		2.0	0.51
91-58-7	2-Chloronaphthalene	50.4		1.0	0.41
95-57-8	2-Chlorophenol	37.4		2.0	0.51
91-57-6	2-Methylnaphthalene	45.7		0.51	0.10
95-48-7	2-Methylphenol	31.3		2.0	0.51
88-74-4	2-Nitroaniline	49.2		5.1	1.0
88-75-5	2-Nitrophenol	42.0		5.1	1.0
91-94-1	3,3'-Dichlorobenzidine	66.8		10	4.1
99-09-2	3-Nitroaniline	43.8		5.1	2.0
534-52-1	4,6-Dinitro-2-methylphenol	89.0		21	8.1
101-55-3	4-Bromophenyl-phenylether	54.2		2.0	0.51
59-50-7	4-Chloro-3-methylphenol	38.6		5.1	1.0
106-47-8	4-Chloroaniline	32.8		10	4.1
7005-72-3	4-Chlorophenyl-phenyl ether	50.3		2.0	0.51
106-44-5	4-Methylphenol (and/or 3-Methylphenol)	26.2		2.0	0.51
100-01-6	4-Nitroaniline	45.2		3.1	0.92
100-02-7	4-Nitrophenol	48.6		31	10
83-32-9	Acenaphthene	47.2		0.51	0.10
208-96-8	Acenaphthylene	53.1		0.51	0.10
98-86-2	Acetophenone	45.3		5.1	1.0
120-12-7	Anthracene	49.0		0.51	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MSD
Lab Sample ID: 410-225004-2 MSD

Matrix: Water
Lab File ID: JF0644.D

Analysis Method: 8270E
Date Collected: 05/29/2025 11:05

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 245.6(mL)
Date Analyzed: 06/06/2025 17:00

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	46.8		5.1	1.0
100-52-7	Benzaldehyde	38.7		5.1	1.0
56-55-3	Benzo[a]anthracene	46.4		0.51	0.10
50-32-8	Benzo[a]pyrene	45.7		0.51	0.11
205-99-2	Benzo[b]fluoranthene	50.2		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	46.1		0.51	0.10
207-08-9	Benzo[k]fluoranthene	53.5		0.51	0.10
85-68-7	Butylbenzylphthalate	39.6		5.1	2.0
105-60-2	Caprolactam	11.9		7.1	3.1
86-74-8	Carbazole	54.2		2.0	0.51
218-01-9	Chrysene	48.7		0.51	0.10
84-74-2	Di-n-butyl phthalate	48.2		5.1	2.0
117-84-0	Di-n-octyl phthalate	53.0		11	5.1
53-70-3	Dibenz(a,h)anthracene	47.2		0.51	0.10
132-64-9	Dibenzofuran	51.5		2.0	0.51
84-66-2	Diethyl phthalate	50.5		5.1	2.0
131-11-3	Dimethyl phthalate	37.8		5.1	2.0
206-44-0	Fluoranthene	51.5		0.51	0.10
86-73-7	Fluorene	51.1		0.51	0.12
118-74-1	Hexachlorobenzene	48.9		0.51	0.11
87-68-3	Hexachlorobutadiene	41.7		2.0	0.51
77-47-4	Hexachlorocyclopentadiene	40.3		11	5.1
67-72-1	Hexachloroethane	34.7		5.1	0.51
193-39-5	Indeno[1,2,3-cd]pyrene	45.8		0.51	0.11
78-59-1	Isophorone	44.9		2.0	0.51
621-64-7	N-Nitrosodi-n-propylamine	42.0		2.0	0.51
86-30-6	N-Nitrosodiphenylamine	43.9		2.0	0.51
91-20-3	Naphthalene	44.1		0.51	0.26
98-95-3	Nitrobenzene	42.3		2.0	0.51
87-86-5	Pentachlorophenol	59.6		5.1	2.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MSD
Lab Sample ID: 410-225004-2 MSD

Matrix: Water
Lab File ID: JF0644.D

Analysis Method: 8270E
Date Collected: 05/29/2025 11:05

Extract. Method: 3510C
Date Extracted: 06/05/2025 15:31

Sample wt/vol: 245.6(mL)
Date Analyzed: 06/06/2025 17:00

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 653809
Units: ug/L

Preparation Batch No.: 653575
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	49.7		0.51	0.11
108-95-2	Phenol	20.1		2.0	0.51
129-00-0	Pyrene	51.2		0.51	0.10
111-91-1	Bis(2-chloroethoxy)methane	52.5		2.0	0.51
111-44-4	Bis(2-chloroethyl)ether	45.5		2.0	0.51
117-81-7	Bis(2-ethylhexyl) phthalate	43.6		5.1	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	50		13-134
321-60-8	2-Fluorobiphenyl (Surr)	77		45-120
367-12-4	2-Fluorophenol (Surr)	40		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	69		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	83		26-123
4165-62-2	Phenol-d5 (Surr)	30		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0644.D
Lims ID: 410-225004-G-2-B MSD
Client ID: MW-3D
Sample Type: MSD
Inject. Date: 06-Jun-2025 17:00:30 ALS Bottle#: 23 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-2-B MSD
Misc. Info.: 410-0149501-028
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:38:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 9 2-Fluorophenol	112	2.957	2.953	0.000	96	848657	25.0	10.0	
13 Benzaldehyde	77	3.787	3.787	-0.005	93	943410	12.5	9.50	
$ 15 Phenol-d5	99	3.868	3.869	-0.006	95	939810	25.0	7.45	
16 Phenol	94	3.886	3.881	0.000	96	657140	12.5	4.94	
18 Bis(2-chloroethyl)ether	93	3.956	3.956	-0.006	89	1084386	12.5	11.2	
19 2-Chlorophenol	128	4.009	4.009	-0.006	90	706787	12.5	9.18	
* 22 1,4-Dichlorobenzene-d4	152	4.207	4.213	-0.006	95	284908	5.00	5.00	
29 2-Methylphenol	108	4.464	4.470	-0.012	97	652002	12.5	7.69	
30 2,2'-oxybis[1-chloropropane]	45	4.476	4.475	-0.005	92	1641174	12.5	14.8	
32 Acetophenone	105	4.598	4.598	-0.006	93	1654396	12.5	11.1	
33 N-Nitrosodi-n-propylamine	70	4.604	4.604	-0.006	85	930838	12.5	10.3	
34 4-Methylphenol	108	4.622	4.621	-0.005	92	613268	12.5	6.43	
37 Hexachloroethane	117	4.692	4.691	-0.006	96	382842	12.5	8.52	
$ 39 Nitrobenzene-d5	82	4.744	4.745	-0.006	88	2168544	25.0	17.3	
40 Nitrobenzene	77	4.762	4.733	-0.006	87	1279367	12.5	10.4	
42 Isophorone	82	4.995	4.996	-0.006	98	2367610	12.5	11.0	
43 2-Nitrophenol	139	5.071	5.072	-0.006	91	423381	12.5	10.3	
44 2,4-Dimethylphenol	107	5.130	5.130	-0.005	98	525127	12.5	5.49	
47 Bis(2-chloroethoxy)methane	93	5.217	5.217	-0.006	92	1421829	12.5	12.9	
49 2,4-Dichlorophenol	162	5.311	5.311	-0.005	95	649855	12.5	10.8	
* 52 Naphthalene-d8	136	5.433	5.439	-0.006	99	1004738	5.00	5.00	
53 Naphthalene	128	5.457	5.451	0.000	98	2324278	12.5	10.8	
56 4-Chloroaniline	127	5.521	5.521	-0.006	91	730424	12.5	8.06	
59 Hexachlorobutadiene	225	5.573	5.573	-0.006	96	467308	12.5	10.2	
62 Caprolactam	113	5.848	5.847	-0.006	76	65253	12.5	2.92	
65 4-Chloro-3-methylphenol	107	6.005	6.005	-0.006	92	807918	12.5	9.47	
67 2-Methylnaphthalene	142	6.122	6.122	-0.006	90	1401492	12.5	11.2	
71 Hexachlorocyclopentadiene	237	6.268	6.269	-0.006	94	596214	12.5	9.89	
79 2,4,6-Trichlorophenol	196	6.403	6.403	-0.005	94	472800	12.5	11.0	
80 2,4,5-Trichlorophenol	196	6.443	6.444	-0.006	92	600812	12.5	12.2	
$ 81 2-Fluorobiphenyl (Surr)	172	6.478	6.479	-0.006	99	3003540	25.0	19.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
83 1,1'-Biphenyl	154	6.572	6.572	-0.006	96	1980284	12.5	11.2	
84 2-Chloronaphthalene	162	6.584	6.584	-0.005	96	1563144	12.5	12.4	
87 2-Nitroaniline	138	6.694	6.695	-0.006	73	550673	12.5	12.1	
90 Dimethyl phthalate	163	6.875	6.876	-0.006	96	1511783	12.5	9.28	
92 2,6-Dinitrotoluene	165	6.934	6.934	-0.006	81	410373	12.5	12.4	
93 Acenaphthylene	152	6.981	6.981	-0.005	99	2621949	12.5	13.0	
95 3-Nitroaniline	138	7.092	7.092	-0.005	87	406032	12.5	10.8	
* 96 Acenaphthene-d10	164	7.115	7.121	-0.006	96	551131	5.00	5.00	
97 Acenaphthene	153	7.144	7.138	-0.006	98	1643691	12.5	11.6	
98 2,4-Dinitrophenol	184	7.191	7.191	-0.006	76	426247	25.0	19.0	
100 4-Nitrophenol	109	7.284	7.284	-0.006	89	467964	25.0	11.9	
101 Dibenzofuran	168	7.313	7.308	0.000	96	2339341	12.5	12.6	
102 2,4-Dinitrotoluene	165	7.313	7.313	-0.006	80	604005	12.5	12.7	
107 Diethyl phthalate	149	7.553	7.553	-0.006	96	2091680	12.5	12.4	
108 Fluorene	166	7.635	7.634	-0.005	95	1924023	12.5	12.6	
110 4-Chlorophenyl phenyl ether	204	7.646	7.646	-0.006	96	891088	12.5	12.3	
112 4-Nitroaniline	138	7.670	7.675	-0.011	79	428534	12.5	11.1	
113 4,6-Dinitro-2-methylphenol	198	7.699	7.694	-0.006	69	652211	25.0	21.9	
114 N-Nitrosodiphenylamine	169	7.763	7.758	-0.006	67	1331680	10.6	10.8	
$ 116 2,4,6-Tribromophenol	330	7.868	7.868	-0.006	92	398166	25.0	12.5	
122 4-Bromophenyl phenyl ether	248	8.108	8.102	-0.005	70	590043	12.5	13.3	
124 Hexachlorobenzene	284	8.154	8.149	-0.006	94	684466	12.5	12.0	
126 Atrazine	200	8.283	8.277	-0.006	85	554326	12.5	11.5	
127 Pentachlorophenol	266	8.353	8.347	-0.006	89	547246	25.0	14.6	
* 131 Phenanthrene-d10	188	8.522	8.534	-0.012	97	1054530	5.00	5.00	
132 Phenanthrene	178	8.545	8.540	-0.006	99	2855111	12.5	12.2	
135 Anthracene	178	8.598	8.592	-0.006	98	2825218	12.5	12.0	
136 Carbazole	167	8.761	8.755	-0.006	96	2772956	12.5	13.3	
138 Di-n-butyl phthalate	149	9.112	9.105	-0.006	100	3355209	12.5	11.8	
144 Fluoranthene	202	9.678	9.671	-0.006	98	3230683	12.5	12.7	
* 146 Pyrene-d10 (IS)	212	9.877	9.883	-0.006	99	1040631	5.00	5.00	
147 Pyrene	202	9.894	9.894	-0.006	98	3310224	12.5	12.6	
$ 148 p-Terphenyl-d14	244	10.058	10.058	-0.006	98	3457058	25.0	20.8	
153 Butyl benzyl phthalate	149	10.566	10.565	-0.006	95	1201801	12.5	9.73	
157 3,3'-Dichlorobenzidine	252	11.132	11.132	-0.006	75	1615907	25.0	16.4	
156 Benzo[a]anthracene	228	11.132	11.132	-0.006	99	2684588	12.5	11.4	
159 Chrysene	228	11.179	11.178	-0.006	97	2634125	12.5	12.0	
160 Bis(2-ethylhexyl) phthalate	149	11.231	11.231	-0.006	95	1847749	12.5	10.7	
162 Di-n-octyl phthalate	149	12.061	12.061	-0.005	99	2929996	12.5	13.0	
164 Benzo[b]fluoranthene	252	12.487	12.493	-0.011	97	2293412	12.5	12.3	
165 Benzo[k]fluoranthene	252	12.522	12.528	-0.012	99	2475416	12.5	13.1	
166 Benzo[a]pyrene	252	12.931	12.931	-0.005	77	2167973	12.5	11.2	
* 167 Perylene-d12	264	13.006	13.012	-0.006	97	798879	5.00	5.00	
171 Indeno[1,2,3-cd]pyrene	276	14.519	14.518	-0.006	99	2046944	12.5	11.3	
172 Dibenz(a,h)anthracene	278	14.560	14.559	-0.005	93	2004819	12.5	11.6	
173 Benzo[g,h,i]perylene	276	14.857	14.863	-0.012	98	2010473	12.5	11.3	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00108 Amount Added: 20.00 Units: uL Run Reagent

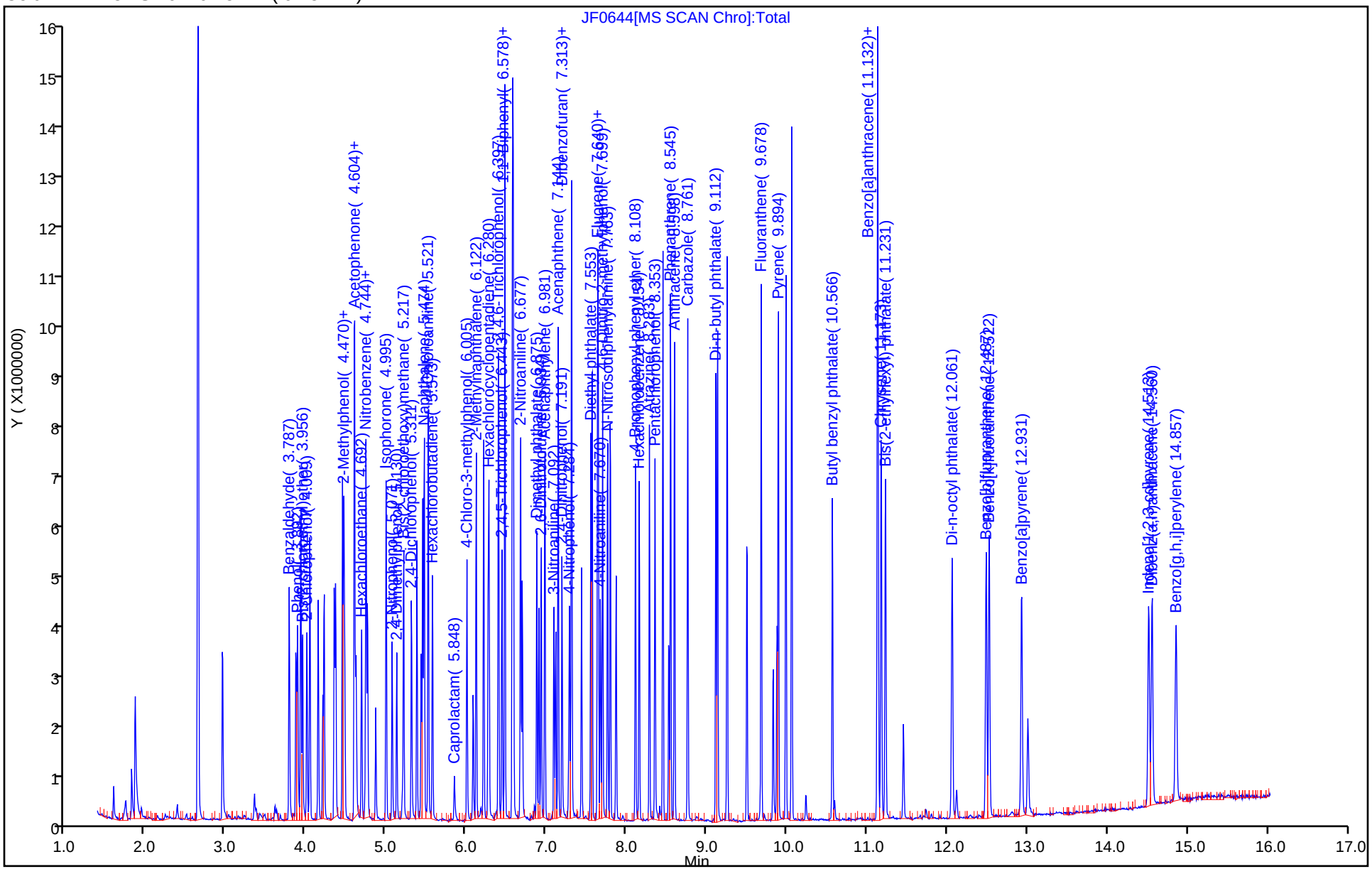
Report Date: 06-Jun-2025 19:44:24 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0644.D

Injection Date:	06-Jun-2025 17:00:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-225004-G-2-B MSD			Worklist Smp#:	28
Client ID:	MW-3D				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\JF0644.D
Lims ID: 410-225004-G-2-B MSD
Client ID: MW-3D
Sample Type: MSD
Inject. Date: 06-Jun-2025 17:00:30 ALS Bottle#: 23 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-G-2-B MSD
Misc. Info.: 410-0149501-028
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250606-149501.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jun-2025 19:44:11 Calib Date: 05-Jun-2025 10:35:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250605-149374.b\JF0505.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: N5QU Date: 06-Jun-2025 19:38:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	10.0	40.13
$ 15 Phenol-d5	25.0	7.45	29.81
$ 39 Nitrobenzene-d5	25.0	17.3	69.14
$ 81 2-Fluorobiphenyl (Surr)	25.0	19.3	77.35
$ 116 2,4,6-Tribromophenol	25.0	12.5	50.15
$ 148 p-Terphenyl-d14	25.0	20.8	83.38

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: HP18831 Start Date: 04/10/2025 18:07

Analysis Batch Number: 629105 End Date: 04/11/2025 05:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-629105/1		04/10/2025 18:07	1	HD1000b.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-629105/2		04/10/2025 18:24	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-629105/3		04/10/2025 18:56	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-629105/5		04/10/2025 19:41	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-629105/6		04/10/2025 20:03	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-629105/7		04/10/2025 20:25	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-629105/8		04/10/2025 20:48	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-629105/9		04/10/2025 21:10	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-629105/10		04/10/2025 21:32	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-629105/11		04/10/2025 21:55	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-629105/12		04/10/2025 22:17	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-629105/13		04/10/2025 22:40	1	HD1012.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-629105/14		04/10/2025 23:02	1	HD1013.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-629105/15		04/10/2025 23:25	1	HD1014.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-629105/16		04/10/2025 23:47	1	HD1015.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-629105/17		04/11/2025 00:10	1	HD1016.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-629105/18		04/11/2025 00:32	1	HD1017.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-629105/19		04/11/2025 00:55	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/11/2025 01:17	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/11/2025 01:40	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/11/2025 02:02	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/11/2025 02:25	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/11/2025 02:47	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		04/11/2025 04:17	5		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		04/11/2025 04:39	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		04/11/2025 05:02	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		04/11/2025 05:24	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		04/11/2025 05:47	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: HP18831 Start Date: 05/01/2025 09:21

Analysis Batch Number: 638082 End Date: 05/01/2025 13:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-638082/1		05/01/2025 09:21	1	HE0100.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-638082/2		05/01/2025 09:34	1	HE0101a.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-638082/3		05/01/2025 10:11	1	HE0102.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-638082/4		05/01/2025 10:33	1	HE0103.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-638082/5		05/01/2025 10:55	1	HE0104.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-638082/6		05/01/2025 11:17	1	HE0105.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-638082/7		05/01/2025 11:38	1	HE0106.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-638082/8		05/01/2025 12:00	1	HE0107.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-638082/9		05/01/2025 12:22	1	HE0108.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-638082/10		05/01/2025 12:44	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-638082/11		05/01/2025 13:06	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-638082/12		05/01/2025 13:28	1	HE0111.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: HP18831 Start Date: 06/05/2025 21:05

Analysis Batch Number: 653692 End Date: 06/06/2025 07:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-653692/1		06/05/2025 21:05	1	HF0550a.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-653692/2		06/05/2025 21:20	1	HF0551.D	DB-5MS 30m 0.25 0.25(mm)
CCV 410-653692/3		06/05/2025 21:49	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-653692/4		06/05/2025 22:10	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-653692/5		06/05/2025 22:32	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/05/2025 23:22	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/05/2025 23:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/06/2025 00:05	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/06/2025 00:27	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/06/2025 00:48	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 01:52	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 02:14	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 02:35	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 02:57	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 03:18	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 03:39	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 04:01	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 04:22	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 04:43	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 05:05	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 05:26	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 05:48	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 06:09	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 06:30	1		DB-5MS 30m 0.25 0.25(mm)
410-225004-1	MW-2D	06/06/2025 06:52	1	HF0577.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 07:13	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 07:34	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: HP19760 Start Date: 04/09/2025 20:45

Analysis Batch Number: 628574 End Date: 04/10/2025 06:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-628574/1		04/09/2025 20:45	1	DD0950.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-628574/2		04/09/2025 21:07	1		DB-5MS 30m 0.25 0.25(mm)
CCV 410-628574/3		04/09/2025 21:35	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-628574/5		04/09/2025 22:19	1	DD0954.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-628574/6		04/09/2025 22:41	1	DD0955.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-628574/7		04/09/2025 23:04	1	DD0956.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-628574/8		04/09/2025 23:26	1	DD0957.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-628574/9		04/09/2025 23:48	1	DD0958.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-628574/10		04/10/2025 00:10	1	DD0959.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-628574/11		04/10/2025 00:32	1	DD0960.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/10/2025 00:55	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/10/2025 01:17	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/10/2025 01:39	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/10/2025 02:01	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/10/2025 02:23	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/10/2025 02:45	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/10/2025 03:08	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/10/2025 03:30	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		04/10/2025 03:52	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		04/10/2025 04:14	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		04/10/2025 05:21	20		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		04/10/2025 05:43	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		04/10/2025 06:05	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

SDG No.:

Instrument ID: HP19760

Start Date: 05/22/2025 09:01

Analysis Batch Number: 647492

End Date: 05/22/2025 16:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-647492/1		05/22/2025 09:01	1	DE2200a.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-647492/2		05/22/2025 09:22	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-647492/33		05/22/2025 10:24	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-647492/34		05/22/2025 10:46	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-647492/35		05/22/2025 11:09	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-647492/36		05/22/2025 11:31	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-647492/37		05/22/2025 11:53	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-647492/38		05/22/2025 12:15	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-647492/39		05/22/2025 12:38	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-647492/40		05/22/2025 13:00	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-647492/41		05/22/2025 13:48	1	DE2211.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-647492/42		05/22/2025 14:10	1	DE2212.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-647492/43		05/22/2025 14:32	1	DE2213.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-647492/44		05/22/2025 14:55	1	DE2214.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-647492/45		05/22/2025 15:17	1	DE2215.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-647492/46		05/22/2025 15:39	1	DE2216.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-647492/49		05/22/2025 16:01	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: HP19760 Start Date: 05/30/2025 21:55

Analysis Batch Number: 651088 End Date: 05/31/2025 05:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-651088/1		05/30/2025 21:55	1	DE3050.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-651088/2		05/30/2025 22:18	1	DE3051.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/3		05/30/2025 22:50	1	DE3052.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/4		05/30/2025 23:12	1	DE3053.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/5		05/30/2025 23:34	1	DE3054.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/6		05/30/2025 23:56	1	DE3055.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/7		05/31/2025 00:17	1	DE3056.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/8		05/31/2025 00:38	1	DE3057.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/9		05/31/2025 00:59	1	DE3058.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-651088/10		05/31/2025 01:22	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-651088/11		05/31/2025 01:43	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-651088/12		05/31/2025 02:04	1	DE3061.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/15		05/31/2025 03:07	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/16		05/31/2025 03:29	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/17		05/31/2025 03:50	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/18		05/31/2025 04:11	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/19		05/31/2025 04:32	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/20		05/31/2025 04:53	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-651088/21		05/31/2025 05:14	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-651088/22		05/31/2025 05:35	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: HP19760 Start Date: 06/05/2025 07:15

Analysis Batch Number: 653230 End Date: 06/05/2025 19:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-653230/1		06/05/2025 07:15	1	DF0500.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-653230/2		06/05/2025 07:38	1	DF0501.D	DB-5MS 30m 0.25 0.25(mm)
MB 410-653019/1-A		06/05/2025 08:53	1	DF0503.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-653019/2-A		06/05/2025 09:15	1	DF0504.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-653019/3-A		06/05/2025 09:38	1	DF0505.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 10:01	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 10:23	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 10:46	5		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 11:09	5		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 11:32	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 11:55	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 12:18	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 12:42	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 13:05	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 13:28	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 13:52	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 14:15	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 14:38	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 15:02	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 15:25	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 17:43	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 18:06	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 18:29	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 18:52	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/05/2025 19:14	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: HP19760 Start Date: 06/10/2025 19:18

Analysis Batch Number: 655733 End Date: 06/11/2025 07:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-655733/1		06/10/2025 19:18	1	DF1050.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-655733/2		06/10/2025 19:35	1	DF1051.D	DB-5MS 30m 0.25 0.25(mm)
MB 410-655289/1-A		06/10/2025 20:23	1	DF1053.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-655289/2-A		06/10/2025 20:44	1	DF1054.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/10/2025 21:05	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/10/2025 21:26	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/10/2025 21:47	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/10/2025 23:11	1		DB-5MS 30m 0.25 0.25(mm)
410-225004-3 RE	MW-6D RE	06/10/2025 23:32	1	DF1062.D	DB-5MS 30m 0.25 0.25(mm)
410-225004-5 RE	MW-8 RE	06/10/2025 23:53	1	DF1063.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 00:14	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 00:34	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 00:55	20		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 01:16	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 01:37	100		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 01:58	200		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 02:19	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 02:40	100		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 03:01	200		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 03:21	100		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 03:42	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/11/2025 04:03	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/11/2025 04:24	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 04:45	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 05:06	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 05:27	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 05:48	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 06:08	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 06:29	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 06:50	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/11/2025 07:11	1		DB-5MS 30m 0.25 0.25(mm)

8270E

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: HP23264 Start Date: 05/07/2025 23:19

Analysis Batch Number: 641051 End Date: 05/08/2025 07:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-641051/1		05/07/2025 23:19	1	JE0750b.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-641051/2		05/07/2025 23:49	1	JE0751a.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/3		05/08/2025 00:10	1	JE0752.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/4		05/08/2025 00:31	1	JE0753.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/5		05/08/2025 00:53	1	JE0754.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/6		05/08/2025 01:14	1	JE0755.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/7		05/08/2025 01:36	1	JE0756.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/8		05/08/2025 01:57	1	JE0757.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/9		05/08/2025 02:18	1	JE0758.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-641051/10		05/08/2025 02:39	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-641051/11		05/08/2025 03:01	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-641051/12		05/08/2025 03:22	1	JE0761.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/15		05/08/2025 04:26	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/16		05/08/2025 04:48	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/17		05/08/2025 05:09	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/18		05/08/2025 05:30	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/19		05/08/2025 05:52	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/20		05/08/2025 06:13	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/21		05/08/2025 06:34	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-641051/22		05/08/2025 06:56	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-641051/23		05/08/2025 07:17	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: HP23264 Start Date: 06/06/2025 06:35

Analysis Batch Number: 653809 End Date: 06/06/2025 18:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-653809/1		06/06/2025 06:35	1	JF0600.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-653809/2		06/06/2025 07:30	1	JF0601.D	DB-5MS 30m 0.25 0.25(mm)
MB 410-653575/1-A		06/06/2025 09:29	1	JF0623.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-653575/2-A		06/06/2025 09:50	1	JF0624.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/06/2025 10:12	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/06/2025 10:33	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 10:55	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 11:16	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 11:38	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 11:59	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 12:21	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 12:42	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 13:04	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 14:51	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 15:13	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 15:34	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/06/2025 15:55	1		DB-5MS 30m 0.25 0.25(mm)
410-225004-2	MW-3D	06/06/2025 16:17	1	JF0642.D	DB-5MS 30m 0.25 0.25(mm)
410-225004-2 MS	MW-3D MS	06/06/2025 16:38	1	JF0643.D	DB-5MS 30m 0.25 0.25(mm)
410-225004-2 MSD	MW-3D MSD	06/06/2025 17:00	1	JF0644.D	DB-5MS 30m 0.25 0.25(mm)
410-225004-3	MW-6D	06/06/2025 17:21	1	JF0645.D	DB-5MS 30m 0.25 0.25(mm)
410-225004-4	MW-7D	06/06/2025 17:43	1	JF0646.D	DB-5MS 30m 0.25 0.25(mm)
410-225004-5	MW-8	06/06/2025 18:04	1	JF0647.D	DB-5MS 30m 0.25 0.25(mm)
410-225004-6	EB	06/06/2025 18:25	1	JF0648.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 628574 | Batch Start Date: 04/09/25 20:45 | Batch Analyst: Skilton, Cassidy

Batch Method: 8270E | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RVBENZ_3 00015	MSS_RVBENZ_4 00015	MSS_RVBENZ_5 00016	MSS_RVBENZ_6 00018	MSS_RVBENZ_7 00015
DFTPP 410-628574/1		8270E			1 mL					
IC 410-628574/5		8270E			1 mL					
IC 410-628574/6		8270E			1 mL					1 mL
IC 410-628574/7		8270E			1 mL				1 mL	
IC 410-628574/8		8270E			1 mL			1 mL		
IC 410-628574/9		8270E			1 mL		1 mL			
IC 410-628574/10		8270E			1 mL	1 mL				
ICV 410-628574/11		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RVBENZ_8 00017	MSS_rvBENZICV 00016	MSS_RVDFTPP 00017			
DFTPP 410-628574/1		8270E					1 mL			
IC 410-628574/5		8270E			1 mL					
IC 410-628574/6		8270E								
IC 410-628574/7		8270E								
IC 410-628574/8		8270E								
IC 410-628574/9		8270E								
IC 410-628574/10		8270E								
ICV 410-628574/11		8270E				1 mL				

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan Internal Syringe
Dilution Solution ID	MeCl2 65010
Vial Lot Number	25005835

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 629105 | Batch Start Date: 04/10/25 18:07 | Batch Analyst: Lutte, Kate E

Batch Method: 8270E | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RVABC_3 00016	MSS_RVABC_4 00013	MSS_RVABC_5 00013	MSS_RVABC_6 00020	MSS_RVABC_7 00014
DFTPP 410-629105/1		8270E			1 mL					
IC 410-629105/13		8270E			1 mL					
IC 410-629105/14		8270E			1 mL					1 mL
IC 410-629105/15		8270E			1 mL				1 mL	
IC 410-629105/16		8270E			1 mL			1 mL		
IC 410-629105/17		8270E			1 mL		1 mL			
IC 410-629105/18		8270E			1 mL	1 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RVABC_8 00015	MSS_RVDFTPP 00017				
DFTPP 410-629105/1		8270E				1 mL				
IC 410-629105/13		8270E			1 mL					
IC 410-629105/14		8270E								
IC 410-629105/15		8270E								
IC 410-629105/16		8270E								
IC 410-629105/17		8270E								
IC 410-629105/18		8270E								

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan internal syringe
Dilution Solution ID	MeCl2: 65010
Vial Lot Number	25005835

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 629105 | Batch Start Date: 04/10/25 18:07 | Batch Analyst: Lutte, Kate E

Batch Method: 8270E | Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-225004-1

SDG No.:

Batch Number: 638082 Batch Start Date: 05/01/25 09:21 Batch Analyst: Perez, Nelly

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RV8270_1 00042	MSS_RV8270_2 00043	MSS_RV8270_3 00041	MSS_RV8270_4 00040	MSS_RV8270_5 00052
DFTPP 410-638082/1		8270E			1 mL					
ICIS 410-638082/2		8270E			1 mL					
IC 410-638082/3		8270E			1 mL					
IC 410-638082/4		8270E			1 mL					
IC 410-638082/5		8270E			1 mL					1 mL
IC 410-638082/6		8270E			1 mL				1 mL	
IC 410-638082/7		8270E			1 mL			1 mL		
IC 410-638082/8		8270E			1 mL		1 mL			
IC 410-638082/9		8270E			1 mL	1 mL				
ICV 410-638082/12		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00064	MSS_RV8270_7 00043	MSS_RV8270_8 00042	MSS_RV8270ICV 00037	MSS_RVDFTPP 00017	
DFTPP 410-638082/1		8270E							1 mL	
ICIS 410-638082/2		8270E			1 mL					
IC 410-638082/3		8270E					1 mL			
IC 410-638082/4		8270E				1 mL				
IC 410-638082/5		8270E								
IC 410-638082/6		8270E								
IC 410-638082/7		8270E								
IC 410-638082/8		8270E								
IC 410-638082/9		8270E								
ICV 410-638082/12		8270E						1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 638082 | Batch Start Date: 05/01/25 09:21 | Batch Analyst: Perez, Nelly

Batch Method: 8270E | Batch End Date:

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan internal syringe
Dilution Solution ID	64327
Vial Lot Number	430917

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 641051 | Batch Start Date: 05/07/25 23:19 | Batch Analyst: Skilton, Cassidy

Batch Method: 8270E | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RV8270_1 00042	MSS_RV8270_2 00043	MSS_RV8270_3 00041	MSS_RV8270_4 00040	MSS_RV8270_5 00053
DFTPP 410-641051/1		8270E			1 mL					
ICIS 410-641051/2		8270E			1 mL					
IC 410-641051/3		8270E			1 mL					
IC 410-641051/4		8270E			1 mL					
IC 410-641051/5		8270E			1 mL					1 mL
IC 410-641051/6		8270E			1 mL				1 mL	
IC 410-641051/7		8270E			1 mL			1 mL		
IC 410-641051/8		8270E			1 mL		1 mL			
IC 410-641051/9		8270E			1 mL	1 mL				
ICV 410-641051/12		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00065	MSS_RV8270_7 00043	MSS_RV8270_8 00042	MSS_RV8270ICV 00037	MSS_RVDFTPP 00018	
DFTPP 410-641051/1		8270E							1 mL	
ICIS 410-641051/2		8270E			1 mL					
IC 410-641051/3		8270E					1 mL			
IC 410-641051/4		8270E				1 mL				
IC 410-641051/5		8270E								
IC 410-641051/6		8270E								
IC 410-641051/7		8270E								
IC 410-641051/8		8270E								
IC 410-641051/9		8270E								
ICV 410-641051/12		8270E						1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 641051 | Batch Start Date: 05/07/25 23:19 | Batch Analyst: Skilton, Cassidy

Batch Method: 8270E | Batch End Date:

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan Internal Syringe
Dilution Solution ID	MeCl2 65024
Vial Lot Number	430917

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 647492 | Batch Start Date: 05/22/25 09:01 | Batch Analyst: Lutte, Kate E

Batch Method: 8270E | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RVABC_3 00017	MSS_RVABC_4 00014	MSS_RVABC_5 00014	MSS_RVABC_6 00023	MSS_RVABC_7 00015
DFTPP 410-647492/1		8270E			1 mL					
IC 410-647492/41		8270E			1 mL					
IC 410-647492/42		8270E			1 mL					1 mL
IC 410-647492/43		8270E			1 mL				1 mL	
IC 410-647492/44		8270E			1 mL			1 mL		
IC 410-647492/45		8270E			1 mL		1 mL			
IC 410-647492/46		8270E			1 mL	1 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RVABC_8 00016	MSS_RVDFTPP 00018				
DFTPP 410-647492/1		8270E				1 mL				
IC 410-647492/41		8270E			1 mL					
IC 410-647492/42		8270E								
IC 410-647492/43		8270E								
IC 410-647492/44		8270E								
IC 410-647492/45		8270E								
IC 410-647492/46		8270E								

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan internal syringe`
Dilution Solution ID	MeCl2: 65059
Vial Lot Number	25110585

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 647492 | Batch Start Date: 05/22/25 09:01 | Batch Analyst: Lutte, Kate E

Batch Method: 8270E | Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-225004-1

SDG No.:

Batch Number: 651088 Batch Start Date: 05/30/25 21:55 Batch Analyst: Lutte, Kate E

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RV8270_1 00042	MSS_RV8270_2 00043	MSS_RV8270_3 00041	MSS_RV8270_4 00040	MSS_RV8270_5 00053
DFTPP 410-651088/1		8270E			1 mL					
ICIS 410-651088/2		8270E			1 mL					
IC 410-651088/3		8270E			1 mL					
IC 410-651088/4		8270E			1 mL					
IC 410-651088/5		8270E			1 mL					1 mL
IC 410-651088/6		8270E			1 mL				1 mL	
IC 410-651088/7		8270E			1 mL			1 mL		
IC 410-651088/8		8270E			1 mL		1 mL			
IC 410-651088/9		8270E			1 mL	1 mL				
ICV 410-651088/12		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00065	MSS_RV8270_7 00043	MSS_RV8270_8 00042	MSS_RV8270ICV 00037	MSS_RVDFTPP 00018	
DFTPP 410-651088/1		8270E							1 mL	
ICIS 410-651088/2		8270E			1 mL					
IC 410-651088/3		8270E					1 mL			
IC 410-651088/4		8270E				1 mL				
IC 410-651088/5		8270E								
IC 410-651088/6		8270E								
IC 410-651088/7		8270E								
IC 410-651088/8		8270E								
IC 410-651088/9		8270E								
ICV 410-651088/12		8270E						1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 651088 | Batch Start Date: 05/30/25 21:55 | Batch Analyst: Lutte, Kate E

Batch Method: 8270E | Batch End Date:

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan internal syringe
Dilution Solution ID	Mecl2: 65059
Vial Lot Number	25110335

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 653019 | Batch Start Date: 06/04/25 16:15 | Batch Analyst: Sanchez, Osvaldo

Batch Method: 3510C | Batch End Date: 06/04/25 20:59

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 410-653019/1		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
LCS 410-653019/2		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
LCSD 410-653019/3		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
410-225004-G-1	MW-2D	3510C, 8270E	Water	T	410.59 g	165.69 g	244.9 mL	1 mL	n/a SU	11 SU

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SecondAdjustpH	OP_MINIBNA_SS 00155	OP_MINLCS1_MS 00272	OP_MINLCS2_MS 00162	AnalysisComment	
MB 410-653019/1		3510C, 8270E			2 SU	1 mL			tap water	
LCS 410-653019/2		3510C, 8270E			2 SU	1 mL	1 mL	1 mL	tap water	
LCSD 410-653019/3		3510C, 8270E			2 SU	1 mL	1 mL	1 mL	tap water	
410-225004-G-1	MW-2D	3510C, 8270E	Water	T	2 SU	1 mL			tan tint	

Batch Notes	
Balance ID	93158
Balance is Level? (Y/N)	yes
Pipette/Syringe/Dispenser ID	2
Analyst ID - Extraction	OS11067 DBH82588
Analyst ID - Spike Analyst	OS11067
Acid Used for pH Adjustment ID	H2SO4: 243956
Base Used to Adjust pH ID	NaOH: 4404N64
Prep Solvent ID	MeCl2: 65059
Prep Solvent Volume Used	90 mL
Na2SO4 ID	25154A
Analyst ID - Concentration	OS11067 DBH82588
Equipment ID - Concentration 1	Buchi
Concentration 1 Corrected Temperature	55 Degrees C
Vial Lot Number	25110335
Pipette Tip Lot ID	N217500O

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 653019 | Batch Start Date: 06/04/25 16:15 | Batch Analyst: Sanchez, Osvaldo

Batch Method: 3510C | Batch End Date: 06/04/25 20:59

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-225004-1

SDG No.:

Batch Number: 653575 Batch Start Date: 06/05/25 15:31 Batch Analyst: Sanchez, Osvaldo

Batch Method: 3510C Batch End Date: 06/05/25 20:23

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH
MB 410-653575/1		3510C, 8270E					250 mL	1 mL	11 SU	2 SU
LCS 410-653575/2		3510C, 8270E					250 mL	1 mL	11 SU	2 SU
410-225004-G-2 MS	MW-3D	3510C, 8270E	Water	T	411.16 g	166.60 g	244.6 mL	1 mL	11 SU	2 SU
410-225004-G-2 MSD	MW-3D	3510C, 8270E	Water	T	412.37 g	166.80 g	245.6 mL	1 mL	11 SU	2 SU
410-225004-G-2	MW-3D	3510C, 8270E	Water	T	404.71 g	165.68 g	239 mL	1 mL	11 SU	2 SU
410-225004-G-3	MW-6D	3510C, 8270E	Water	T	410.25 g	165.66 g	244.6 mL	1 mL	11 SU	2 SU
410-225004-G-4	MW-7D	3510C, 8270E	Water	T	414.75 g	167.18 g	247.6 mL	1 mL	11 SU	2 SU
410-225004-G-5	MW-8	3510C, 8270E	Water	T	410.19 g	166.85 g	243.3 mL	1 mL	11 SU	2 SU
410-225004-G-6	EB	3510C, 8270E	Water	T	401.75 g	169.74 g	232 mL	1 mL	11 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	OP_MINIBNA_SS 00155	OP_MINLCS1_MS 00272	OP_MINLCS2_MS 00163	AnalysisComment		
MB 410-653575/1		3510C, 8270E			1 mL			TAP H20		
LCS 410-653575/2		3510C, 8270E			1 mL	1 mL	1 mL	TAP H20		
410-225004-G-2 MS	MW-3D	3510C, 8270E	Water	T	1 mL	1 mL	1 mL	CLEAR		
410-225004-G-2 MSD	MW-3D	3510C, 8270E	Water	T	1 mL	1 mL	1 mL	CLEAR		
410-225004-G-2	MW-3D	3510C, 8270E	Water	T	1 mL			CLEAR		
410-225004-G-3	MW-6D	3510C, 8270E	Water	T	1 mL			TAN TINT		
410-225004-G-4	MW-7D	3510C, 8270E	Water	T	1 mL			TAN TINT		
410-225004-G-5	MW-8	3510C, 8270E	Water	T	1 mL			TAN TINT		
410-225004-G-6	EB	3510C, 8270E	Water	T	1 mL			CLEAR		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 653575 | Batch Start Date: 06/05/25 15:31 | Batch Analyst: Sanchez, Osvaldo

Batch Method: 3510C | Batch End Date: 06/05/25 20:23

Batch Notes	
Balance ID	93158
Balance is Level? (Y/N)	yes
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	OS1067 MM98986
Analyst ID - Spike Analyst	OS11067
Acid Used for pH Adjustment ID	H2SO4: 243403
Base Used to Adjust pH ID	NaOH: 4211E84
Prep Solvent ID	MeCl2: 65059
Prep Solvent Volume Used	90 mL
Na2SO4 ID	25155A
Analyst ID - Concentration	OS11067 MM98986
Equipment ID - Concentration 1	Buchi
Concentration 1 Corrected Temperature	55 Degrees C
Vial Lot Number	25110335
Pipette Tip Lot ID	N216202L

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-225004-1

SDG No.:

Batch Number: 655289 Batch Start Date: 06/10/25 07:46 Batch Analyst: Stewart, Hannah

Batch Method: 3510C Batch End Date: 06/10/25 13:30

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH
MB 410-655289/1		3510C, 8270E					250 mL	1 mL	>11 SU	<2 SU
LCS 410-655289/2		3510C, 8270E					250 mL	1 mL	>11 SU	<2 SU
410-225004-F-3	MW-6D	3510C, 8270E	Water	T	410.35 g	167.17 g	243.2 mL	1 mL	>11 SU	<2 SU
410-225004-F-5	MW-8	3510C, 8270E	Water	T	408.24 g	166.92 g	241.3 mL	1 mL	>11 SU	<2 SU

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	CUPerformed	OP_MINIBNA_SS 00155	OP_MINLCS1_MS 00272	OP_MINLCS2_MS 00163	AnalysisComment	
MB 410-655289/1		3510C, 8270E			N	1 mL			Tap H2O	
LCS 410-655289/2		3510C, 8270E			N	1 mL	1 mL	1 mL	Tap H2O	
410-225004-F-3	MW-6D	3510C, 8270E	Water	T	N	1 mL			yellow, cloudy, orange sediment	
410-225004-F-5	MW-8	3510C, 8270E	Water	T	N	1 mL			yellow, cloudy, orange sediment	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 655289 | Batch Start Date: 06/10/25 07:46 | Batch Analyst: Stewart, Hannah

Batch Method: 3510C | Batch End Date: 06/10/25 13:30

Batch Notes	
Balance ID	93158
Balance is Level? (Y/N)	yes
Pipette/Syringe/Dispenser ID	6
Analyst ID - Extraction	HAS95678, OS11067
Analyst ID - Spike Analyst	HAS95678, OS11067
Acid Used for pH Adjustment ID	H2SO4 423956
Base Used to Adjust pH ID	NaOH 4404N64
Prep Solvent ID	MeCl2 65059
Prep Solvent Volume Used	90 mL
Na2SO4 ID	25156C
Analyst ID - Concentration	HAS95678, OS11067
Equipment ID - Concentration 1	Buchi
Concentration 1 Corrected Temperature	55 Degrees C
Vial Lot Number	25110585
Pipette Tip Lot ID	N217500O

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8011

EDB, DBCP, and 1,2,3-TCP (GC) by Method 8011

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB CLP1 ID: 0.32 (mm) GC Column (2): DB CLP2 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	1122TCA1#	1122TCA2#
MW-2D	410-225004-1	111 cn	108 cn
MW-3D	410-225004-2	115 cn	115 cn
MW-6D	410-225004-3	117 cn	119 cn
MW-7D	410-225004-4	118 cn	113 cn
MW-8	410-225004-5	120 cn	118 cn
EB	410-225004-6	112 cn	111 cn
Trip Blank	410-225004-7	120 cn	116 cn
	MB 410-653819/1-A	140 S1+	131
	LCS 410-653819/2-A	118	110
	LCSD 410-653819/3-A	114	110
MW-3D MS	410-225004-2 MS	113	112
MW-3D MSD	410-225004-2 MSD	109	108

	QC LIMITS
1122TCA = 1,1,2,2-Tetrachloroethane	46-136

Column to be used to flag recovery values

FORM II 8011

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 16EDBW25155002.0027.D

Lab ID: LCS 410-653819/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Ethylene Dibromide	0.129	0.147	114	60-140	
1,2-Dibromo-3-Chloropropane	0.129	0.159	123	60-140	

Column to be used to flag recovery and RPD values

FORM III 8011

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 16EDBW25155002.0028.D

Lab ID: LCSD 410-653819/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Ethylene Dibromide	0.129	0.154	119	5	20	60-140	
1,2-Dibromo-3-Chloropropane	0.129	0.159	123	0	20	60-140	

Column to be used to flag recovery and RPD values

FORM III 8011

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 16EDBW25155002.0041.D

Lab ID: 410-225004-2 MS Client ID: MW-3D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Ethylene Dibromide	0.122	ND	0.137	113	60-140	
1,2-Dibromo-3-Chloropropane	0.122	ND	0.147	121	60-140	

Column to be used to flag recovery and RPD values

FORM III 8011

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 16EDBW25155002.0042.D

Lab ID: 410-225004-2 MSD Client ID: MW-3D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Ethylene Dibromide	0.122	0.138	113	1	20	60-140	
1,2-Dibromo-3-Chloropropane	0.122	0.147	121	0	20	60-140	

Column to be used to flag recovery and RPD values

FORM III 8011

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: MB 410-653819/1-A

Matrix: Water Date Extracted: 06/06/2025 06:57

Lab File ID:(1) 16EDBW25155002.0024.D Lab File ID:(2) 16EDBW25155002.0024.D

Date Analyzed:(1) 06/06/2025 18:16 Date Analyzed:(2) 06/06/2025 18:16

Instrument ID:(1) 19853 Instrument ID:(2) 19853

GC Column:(1) DB CLP1 ID: 0.32(mm) GC Column:(2) DB CLP2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 410-653819/2-A	06/06/2025 19:07	06/06/2025 19:07
	LCSD 410-653819/3-A	06/06/2025 19:24	06/06/2025 19:24
MW-2D	410-225004-1	06/06/2025 22:48	06/06/2025 22:48
MW-3D MS	410-225004-2 MS	06/06/2025 23:05	06/06/2025 23:05
MW-3D MSD	410-225004-2 MSD	06/06/2025 23:22	06/06/2025 23:22
MW-3D	410-225004-2	06/06/2025 23:39	06/06/2025 23:39
MW-6D	410-225004-3	06/06/2025 23:56	06/06/2025 23:56
MW-7D	410-225004-4	06/07/2025 00:13	06/07/2025 00:13
MW-8	410-225004-5	06/07/2025 00:30	06/07/2025 00:30
EB	410-225004-6	06/07/2025 00:47	06/07/2025 00:47
Trip Blank	410-225004-7	06/07/2025 01:04	06/07/2025 01:04

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: ICRT 410-652600/7 Date Analyzed: 06/04/2025 09:11

Instrument ID: 19853 GC Column: DB CLP1 ID: 0.32(mm)

Lab File ID (Standard): 16EDBW25155001.0007.I Heated Purge: (Y/N) N

Calibration ID: 73301

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1122TCA		
				RT #		
INITIAL CALIBRATION SURROGATE				5.13		
UPPER LIMIT				5.16		
LOWER LIMIT				5.10		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-652600/7		06/04/2025 09:11	16EDBW25155001.0007.D	5.13		
ICV 410-652600/11		06/04/2025 10:19	16EDBW25155001.0011.D	5.13		

1122TCA = 1,1,2,2-Tetrachloroethane

1122TCA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: ICRT 410-652600/7 Date Analyzed: 06/04/2025 09:11

Instrument ID: 19853 GC Column: DB CLP2 ID: 0.32(mm)

Lab File ID (Standard): 16EDBW25155001.0007.I Heated Purge: (Y/N) N

Calibration ID: 73302

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1122TCA		
				RT #		
INITIAL CALIBRATION SURROGATE				6.02		
UPPER LIMIT				6.05		
LOWER LIMIT				5.99		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-652600/7		06/04/2025 09:11	16EDBW2515500 1.0007.D	6.02		
ICV 410-652600/11		06/04/2025 10:19	16EDBW2515500 1.0011.D	6.02		

1122TCA = 1,1,2,2-Tetrachloroethane

1122TCA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVRT 410-654000/3 Date Analyzed: 06/06/2025 12:18

Instrument ID: 19853 GC Column: DB CLP1 ID: 0.32(mm)

Lab File ID (Standard): 16EDBW25155002.0003.I Heated Purge: (Y/N) N

Calibration ID: 73301

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1122TCA		
				RT #		
CONTINUING CALIBRATION SURROGATE				5.13		
UPPER LIMIT				5.16		
LOWER LIMIT				5.10		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 410-654000/3		06/06/2025 12:18	16EDBW25155002.0003.D	5.13		
CCV 410-654000/15		06/06/2025 15:42	16EDBW25155002.0015.D	5.13		
PIBLK 410-654000/16		06/06/2025 15:59	16EDBW25155002.0016.D	5.13		
MB 410-653819/1-A		06/06/2025 18:16	16EDBW25155002.0024.D	5.14		
CCV 410-654000/25		06/06/2025 18:33	16EDBW25155002.0025.D	5.13		
PIBLK 410-654000/26		06/06/2025 18:50	16EDBW25155002.0026.D	5.13		
LCS 410-653819/2-A		06/06/2025 19:07	16EDBW25155002.0027.D	5.13		
LCSD 410-653819/3-A		06/06/2025 19:24	16EDBW25155002.0028.D	5.13		
CCV 410-654000/37		06/06/2025 21:57	16EDBW25155002.0037.D	5.13		
PIBLK 410-654000/38		06/06/2025 22:14	16EDBW25155002.0038.D	5.13		
410-225004-1	MW-2D	06/06/2025 22:48	16EDBW25155002.0040.D	5.13		
410-225004-2 MS	MW-3D MS	06/06/2025 23:05	16EDBW25155002.0041.D	5.13		
410-225004-2 MSD	MW-3D MSD	06/06/2025 23:22	16EDBW25155002.0042.D	5.14		
410-225004-2	MW-3D	06/06/2025 23:39	16EDBW25155002.0043.D	5.14		
410-225004-3	MW-6D	06/06/2025 23:56	16EDBW25155002.0044.D	5.14		
410-225004-4	MW-7D	06/07/2025 00:13	16EDBW25155002.0045.D	5.13		

1122TCA = 1,1,2,2-Tetrachloroethane

1122TCA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVRT 410-654000/3 Date Analyzed: 06/06/2025 12:18

Instrument ID: 19853 GC Column: DB CLP1 ID: 0.32(mm)

Lab File ID (Standard): 16EDBW25155002.0003.I Heated Purge: (Y/N) N

Calibration ID: 73301

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1122TCA		
				RT #		
CONTINUING CALIBRATION SURROGATE				5.13		
UPPER LIMIT				5.16		
LOWER LIMIT				5.10		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
410-225004-5	MW-8	06/07/2025 00:30	16EDBW25155002.0046.D	5.13		
410-225004-6	EB	06/07/2025 00:47	16EDBW25155002.0047.D	5.12		
410-225004-7	Trip Blank	06/07/2025 01:04	16EDBW25155002.0048.D	5.13		
CCV 410-654000/52		06/07/2025 02:12	16EDBW25155002.0052.D	5.13		
PIBLK 410-654000/53		06/07/2025 02:29	16EDBW25155002.0053.D	5.13		

1122TCA = 1,1,2,2-Tetrachloroethane

1122TCA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVRT 410-654000/3 Date Analyzed: 06/06/2025 12:18

Instrument ID: 19853 GC Column: DB CLP2 ID: 0.32(mm)

Lab File ID (Standard): 16EDBW25155002.0003.I Heated Purge: (Y/N) N

Calibration ID: 73302

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1122TCA		
				RT #		
CONTINUING CALIBRATION SURROGATE				6.02		
UPPER LIMIT				6.05		
LOWER LIMIT				5.99		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 410-654000/3		06/06/2025 12:18	16EDBW25155002.0003.D	6.02		
CCV 410-654000/15		06/06/2025 15:42	16EDBW25155002.0015.D	6.02		
PIBLK 410-654000/16		06/06/2025 15:59	16EDBW25155002.0016.D	6.02		
MB 410-653819/1-A		06/06/2025 18:16	16EDBW25155002.0024.D	6.02		
CCV 410-654000/25		06/06/2025 18:33	16EDBW25155002.0025.D	6.01		
PIBLK 410-654000/26		06/06/2025 18:50	16EDBW25155002.0026.D	6.01		
LCS 410-653819/2-A		06/06/2025 19:07	16EDBW25155002.0027.D	6.02		
LCSD 410-653819/3-A		06/06/2025 19:24	16EDBW25155002.0028.D	6.02		
CCV 410-654000/37		06/06/2025 21:57	16EDBW25155002.0037.D	6.02		
PIBLK 410-654000/38		06/06/2025 22:14	16EDBW25155002.0038.D	6.02		
410-225004-1	MW-2D	06/06/2025 22:48	16EDBW25155002.0040.D	6.02		
410-225004-2 MS	MW-3D MS	06/06/2025 23:05	16EDBW25155002.0041.D	6.02		
410-225004-2 MSD	MW-3D MSD	06/06/2025 23:22	16EDBW25155002.0042.D	6.02		
410-225004-2	MW-3D	06/06/2025 23:39	16EDBW25155002.0043.D	6.02		
410-225004-3	MW-6D	06/06/2025 23:56	16EDBW25155002.0044.D	6.02		
410-225004-4	MW-7D	06/07/2025 00:13	16EDBW25155002.0045.D	6.02		

1122TCA = 1,1,2,2-Tetrachloroethane

1122TCA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Sample No.: CCVRT 410-654000/3 Date Analyzed: 06/06/2025 12:18

Instrument ID: 19853 GC Column: DB CLP2 ID: 0.32(mm)

Lab File ID (Standard): 16EDBW25155002.0003.I Heated Purge: (Y/N) N

Calibration ID: 73302

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1122TCA		
				RT #		
CONTINUING CALIBRATION SURROGATE				6.02		
UPPER LIMIT				6.05		
LOWER LIMIT				5.99		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
410-225004-5	MW-8	06/07/2025 00:30	16EDBW25155002.0046.D	6.02		
410-225004-6	EB	06/07/2025 00:47	16EDBW25155002.0047.D	6.02		
410-225004-7	Trip Blank	06/07/2025 01:04	16EDBW25155002.0048.D	6.02		
CCV 410-654000/52		06/07/2025 02:12	16EDBW25155002.0052.D	6.02		
PIBLK 410-654000/53		06/07/2025 02:29	16EDBW25155002.0053.D	6.02		

1122TCA = 1,1,2,2-Tetrachloroethane

1122TCA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MS Lab Sample ID: 410-225004-2 MS

Instrument ID (1): 19853 Instrument ID (2): 19853

Date Analyzed (1): 06/06/2025 23:05 Date Analyzed (2): 06/06/2025 23:05

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Ethylene Dibromide	1		3.62	3.59	3.65	0.137		3.4
	2		4.33	4.30	4.36	0.132		
1,2-Dibromo-3-Chloropropane	1		8.05	8.01	8.07	0.147		2.9
	2		8.85	8.82	8.88	0.143		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MSD Lab Sample ID: 410-225004-2 MSD

Instrument ID (1): 19853 Instrument ID (2): 19853

Date Analyzed (1): 06/06/2025 23:22 Date Analyzed (2): 06/06/2025 23:22

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Ethylene Dibromide	1		3.63	3.59	3.65	0.138		3.2
	2		4.33	4.30	4.36	0.134		
1,2-Dibromo-3-Chloropropane	1		8.04	8.01	8.07	0.147		3.5
	2		8.85	8.82	8.88	0.142		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-653819/2-A

Instrument ID (1): 19853 Instrument ID (2): 19853

Date Analyzed (1): 06/06/2025 19:07 Date Analyzed (2): 06/06/2025 19:07

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Ethylene Dibromide	1		3.61	3.59	3.65	0.147		4.8
	2		4.33	4.30	4.36	0.140		
1,2-Dibromo-3-Chloropropane	1		8.05	8.01	8.07	0.159		2.7
	2		8.85	8.82	8.88	0.154		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-653819/3-A

Instrument ID (1): 19853 Instrument ID (2): 19853

Date Analyzed (1): 06/06/2025 19:24 Date Analyzed (2): 06/06/2025 19:24

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Ethylene Dibromide	1		3.62	3.59	3.65	0.154		9.9
	2		4.33	4.30	4.36	0.139		
1,2-Dibromo-3-Chloropropane	1		8.04	8.01	8.07	0.159		3.0
	2		8.85	8.82	8.88	0.154		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Matrix: Water
Lab File ID: 16EDBW25155002.0040.D

Analysis Method: 8011
Date Collected: 05/29/2025 09:06

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.2(mL)
Date Analyzed: 06/06/2025 22:48

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND	cn	0.019	0.0094
96-12-8	1,2-Dibromo-3-Chloropropane	ND	cn	0.019	0.0094

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	111	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0040.D
Lims ID: 410-225004-B-1-A
Client ID: MW-2D
Sample Type: Client
Inject. Date: 06-Jun-2025 22:48:00 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-1-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Ethylene Dibromide						
1		3.620			ND	
2		4.333				
$ 2 1,1,2,2-Tetrachloroethane						
1	5.133	5.127	0.006	38656377	H 1.37	
2	6.017	6.018	-0.001	40130452	H 1.33	
					RPD = 2.62	
3 1,2-Dibromo-3-Chloropropane						
1	8.063	8.040	0.023	4993036	H 0.0789	
2	8.867	8.853	0.014	6121679	H 0.0925	
					RPD = 15.85	
4 Chlorodibromomethane						
1		0.000			ND	

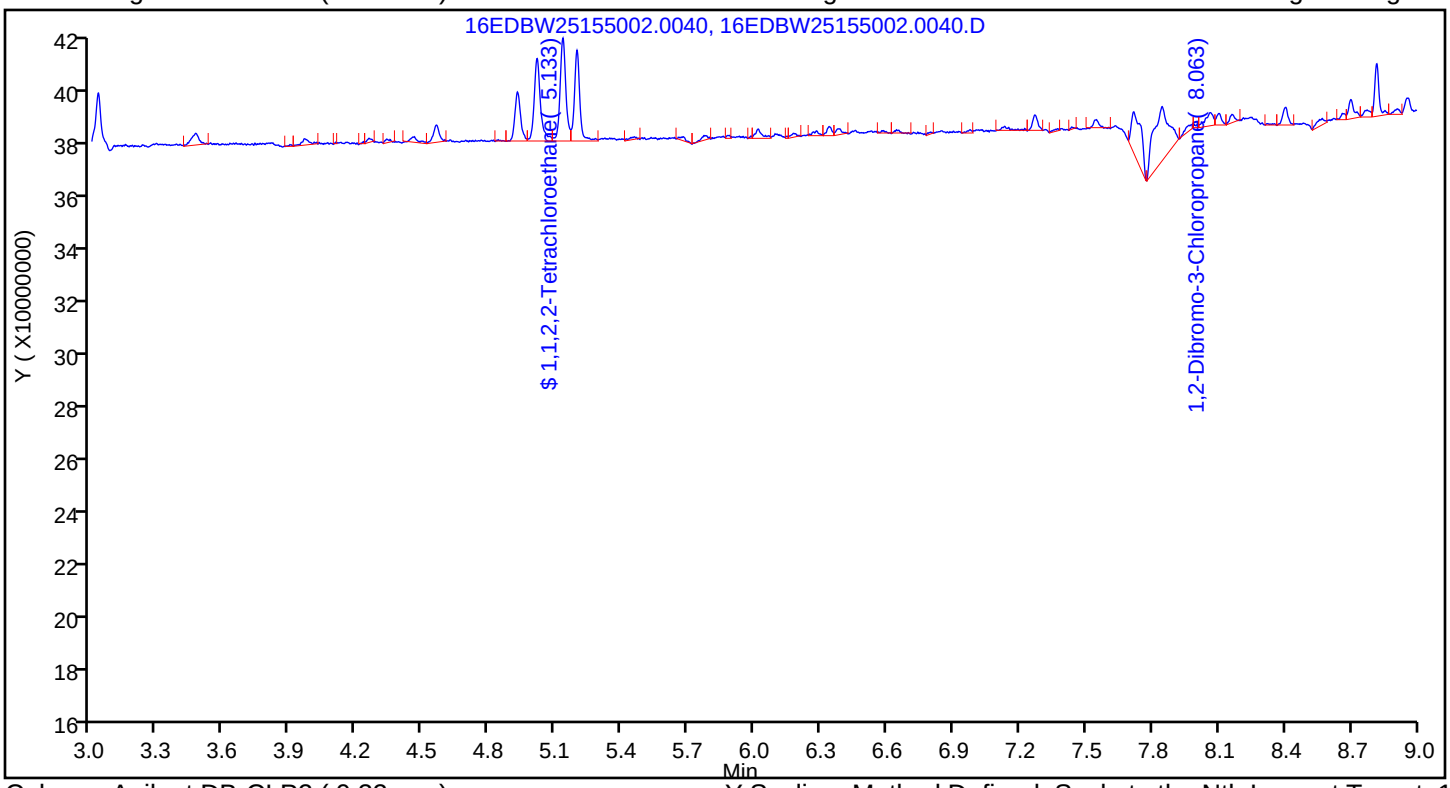
Report Date: 09-Jun-2025 08:03:26 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

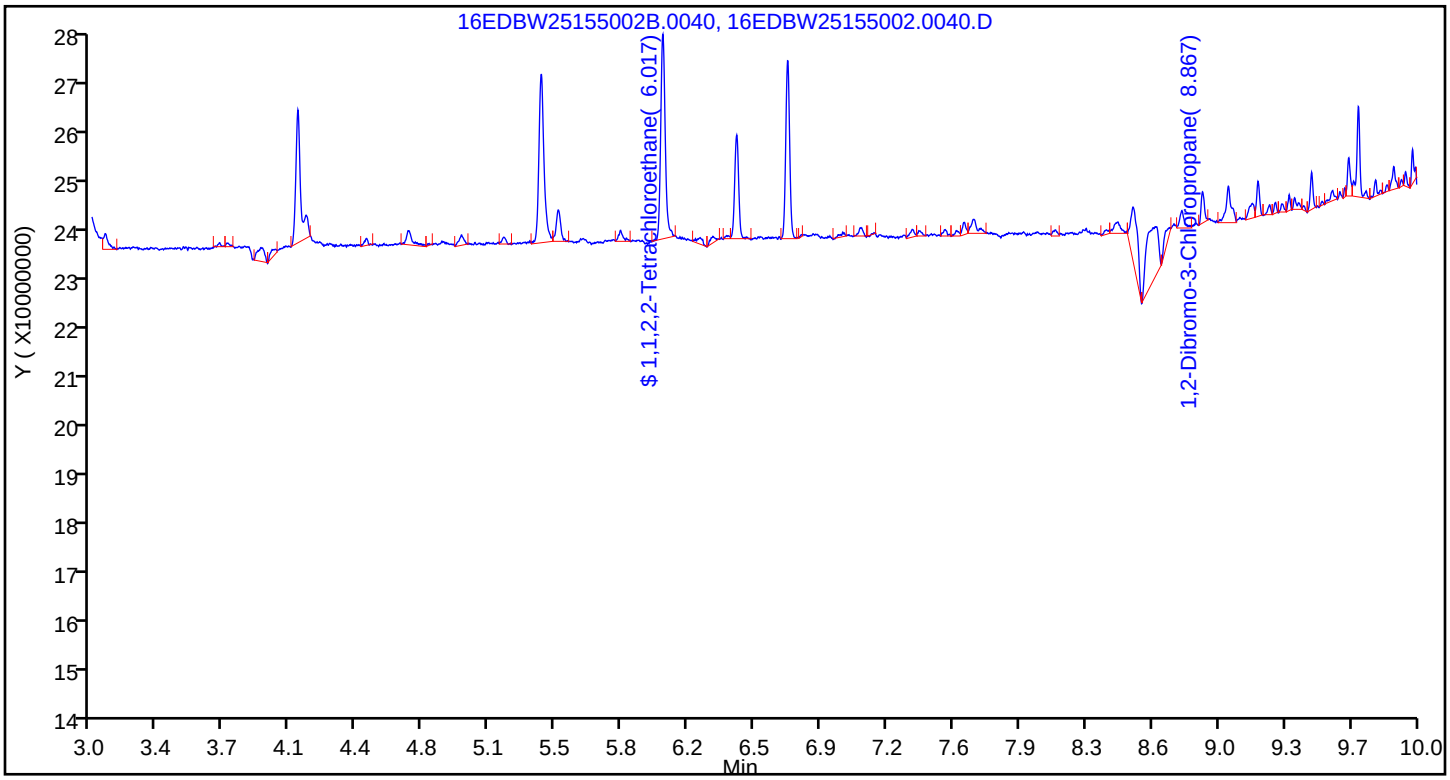
Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0040.D

Injection Date:	06-Jun-2025 22:48:00	Instrument ID:	19853		
Lims ID:	410-225004-B-1-A	Lab Sample ID:	410-225004-1		
Client ID:	MW-2D				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8011_19853	Limit Group:	GCSV - 8011 Waters		

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0040.D				
Lims ID:	410-225004-B-1-A				
Client ID:	MW-2D				
Sample Type:	Client				
Inject. Date:	06-Jun-2025 22:48:00	ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-1-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.37	111.12

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.33	108.25

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Matrix: Water
Lab File ID: 16EDBW25155002.0040.D

Analysis Method: 8011
Date Collected: 05/29/2025 09:06

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.2(mL)
Date Analyzed: 06/06/2025 22:48

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	108	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0040.D
Lims ID: 410-225004-B-1-A
Client ID: MW-2D
Sample Type: Client
Inject. Date: 06-Jun-2025 22:48:00 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-1-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Ethylene Dibromide						
1		3.620			ND	
2		4.333				
$ 2 1,1,2,2-Tetrachloroethane						
1	5.133	5.127	0.006	38656377	H 1.37	
2	6.017	6.018	-0.001	40130452	H 1.33	
					RPD = 2.62	
3 1,2-Dibromo-3-Chloropropane						
1	8.063	8.040	0.023	4993036	H 0.0789	
2	8.867	8.853	0.014	6121679	H 0.0925	
					RPD = 15.85	
4 Chlorodibromomethane						
1		0.000			ND	

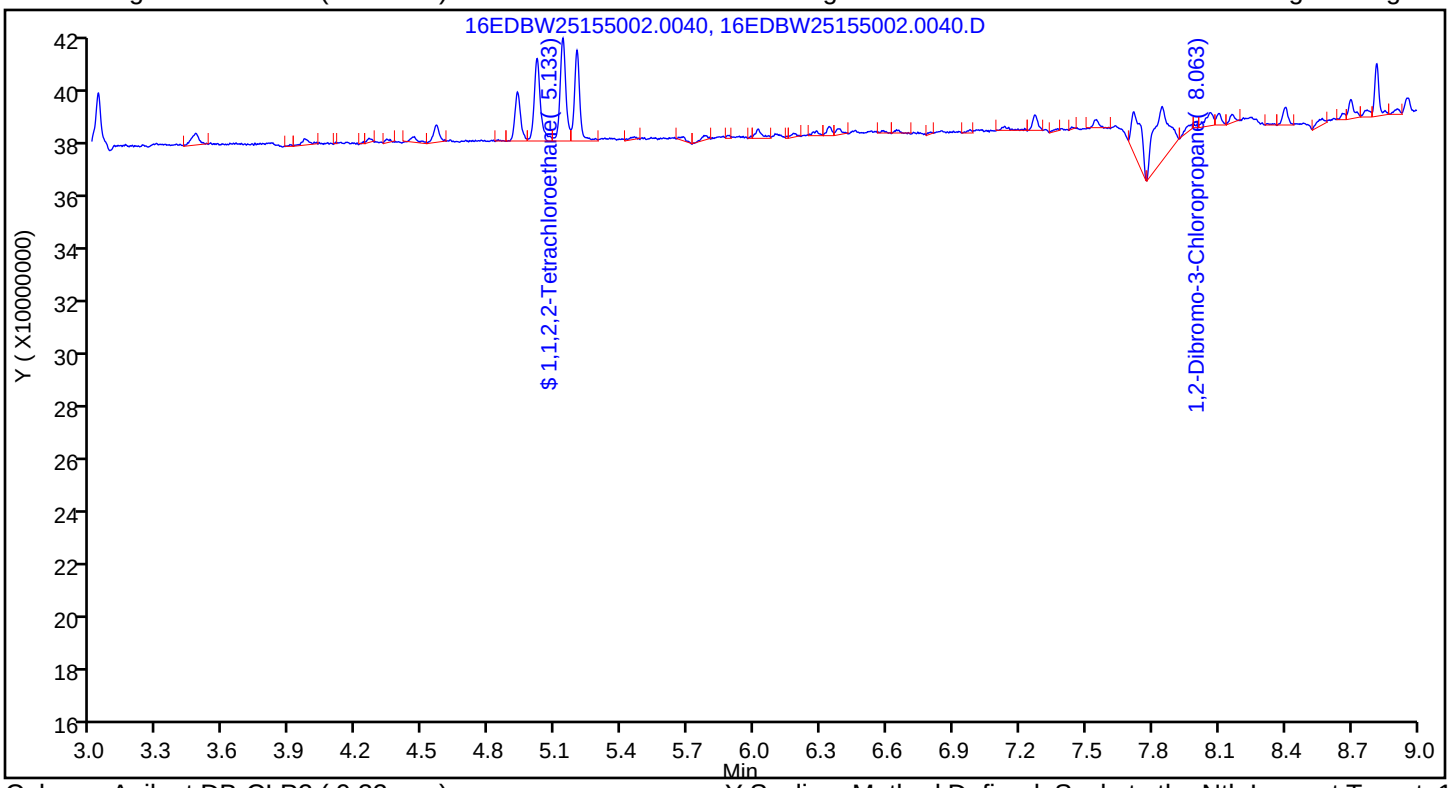
Report Date: 09-Jun-2025 08:03:27 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

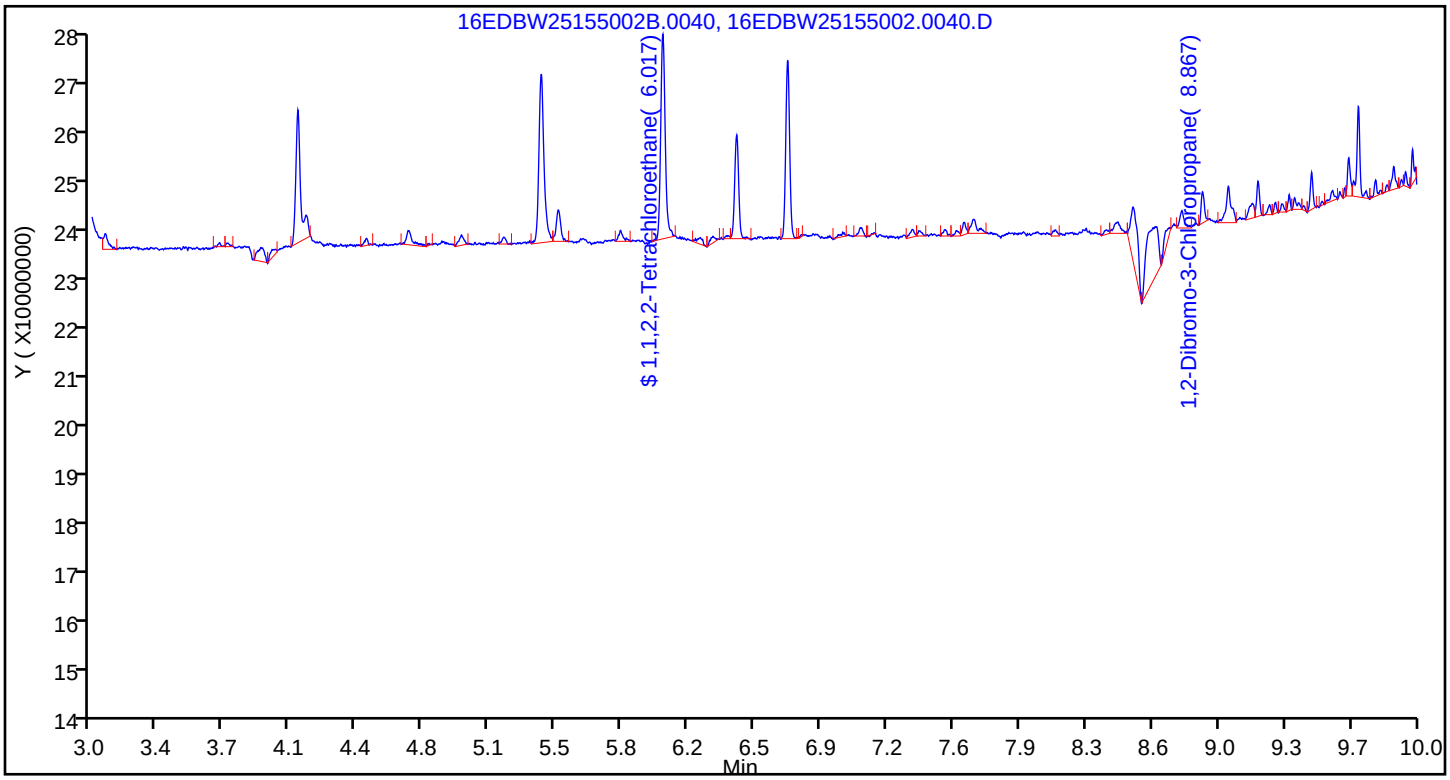
Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0040.D

Injection Date:	06-Jun-2025 22:48:00	Instrument ID:	19853		
Lims ID:	410-225004-B-1-A	Lab Sample ID:	410-225004-1		
Client ID:	MW-2D				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8011_19853	Limit Group:	GCSV - 8011 Waters		

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0040.D				
Lims ID:	410-225004-B-1-A				
Client ID:	MW-2D				
Sample Type:	Client				
Inject. Date:	06-Jun-2025 22:48:00	ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-1-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.37	111.12

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.33	108.25

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Matrix: Water
Lab File ID: 16EDBW25155002.0043.D

Analysis Method: 8011
Date Collected: 05/29/2025 11:05

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.2(mL)
Date Analyzed: 06/06/2025 23:39

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND	cn	0.019	0.0094
96-12-8	1,2-Dibromo-3-Chloropropane	ND	cn	0.019	0.0094

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	115	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0043.D
Lims ID: 410-225004-B-2-C
Client ID: MW-3D
Sample Type: Client
Inject. Date: 06-Jun-2025 23:39:00 ALS Bottle#: 0 Worklist Smp#: 43
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-2-C
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

	Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
	1 Ethylene Dibromide						
	1		3.620			ND	
	2		4.333				
$	2 1,1,2,2-Tetrachloroethane						
	1	5.135	5.127	0.008	40147392	H 1.42	
	2	6.015	6.018	-0.003	42386906	H 1.41	
						RPD = 0.72	
	3 1,2-Dibromo-3-Chloropropane						
	1		8.040			ND	
	2		8.853				

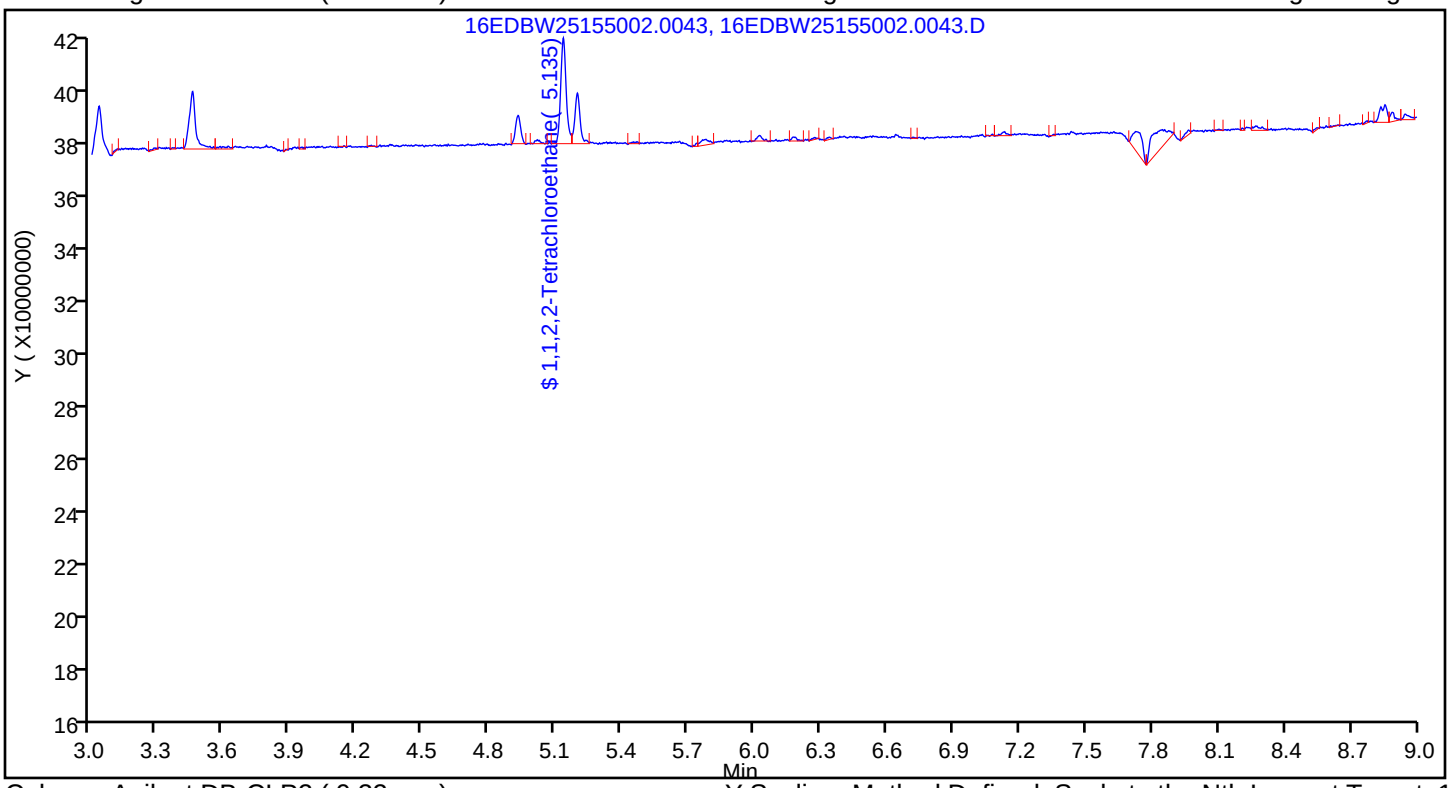
Report Date: 09-Jun-2025 08:03:41 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

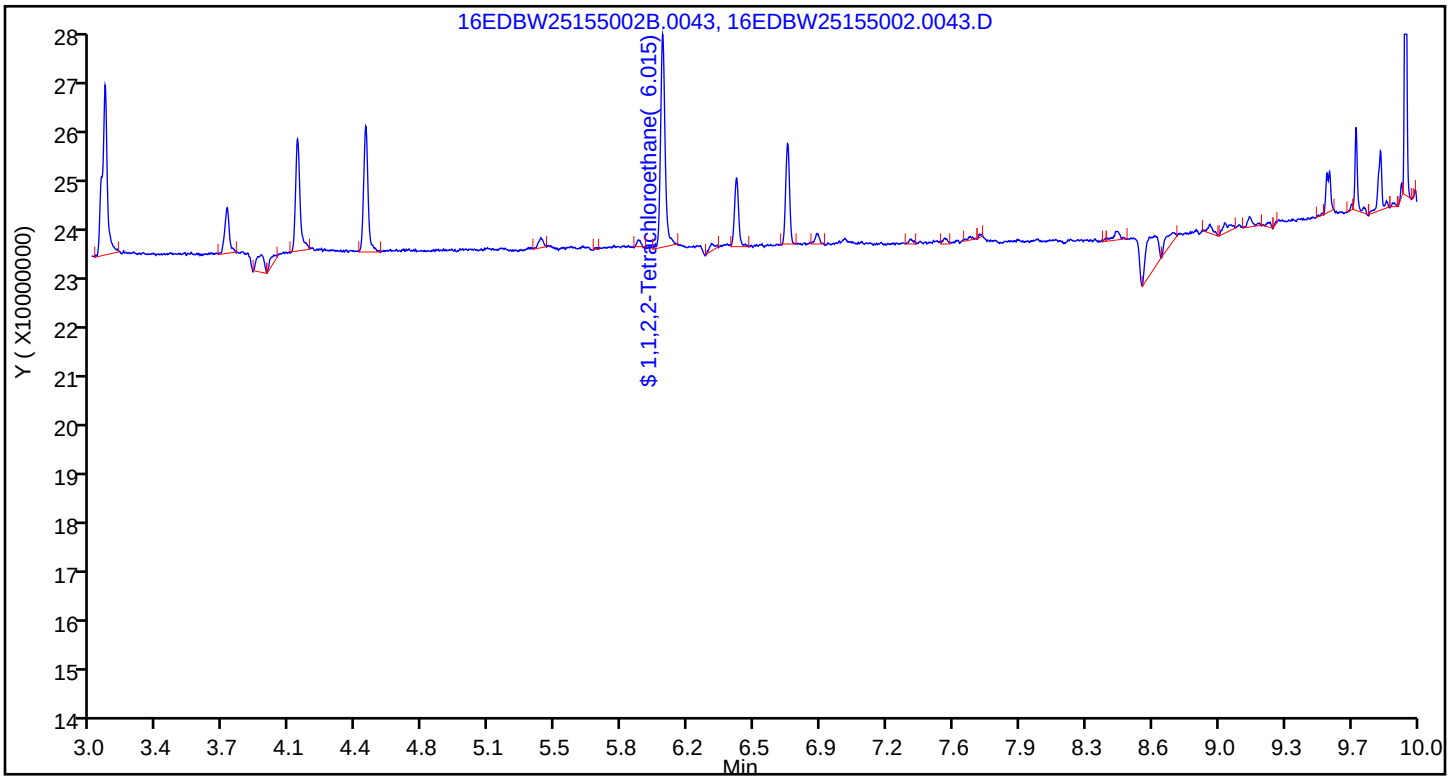
Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0043.D

Injection Date:	06-Jun-2025 23:39:00	Instrument ID:	19853
Lims ID:	410-225004-B-2-C	Lab Sample ID:	410-225004-2
Client ID:	MW-3D		
Operator ID:		ALS Bottle#:	0 Worklist Smp#: 43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8011_19853	Limit Group:	GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0043.D				
Lims ID:	410-225004-B-2-C				
Client ID:	MW-3D				
Sample Type:	Client				
Inject. Date:	06-Jun-2025 23:39:00	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-2-C				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.42	115.49

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.41	114.66

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2

Matrix: Water
Lab File ID: 16EDBW25155002.0043.D

Analysis Method: 8011
Date Collected: 05/29/2025 11:05

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.2(mL)
Date Analyzed: 06/06/2025 23:39

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	115	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0043.D
Lims ID: 410-225004-B-2-C
Client ID: MW-3D
Sample Type: Client
Inject. Date: 06-Jun-2025 23:39:00 ALS Bottle#: 0 Worklist Smp#: 43
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-2-C
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Ethylene Dibromide						
1		3.620			ND	
2		4.333				
$ 2 1,1,2,2-Tetrachloroethane						
1	5.135	5.127	0.008	40147392	H 1.42	
2	6.015	6.018	-0.003	42386906	H 1.41	
					RPD = 0.72	
3 1,2-Dibromo-3-Chloropropane						
1		8.040			ND	
2		8.853				

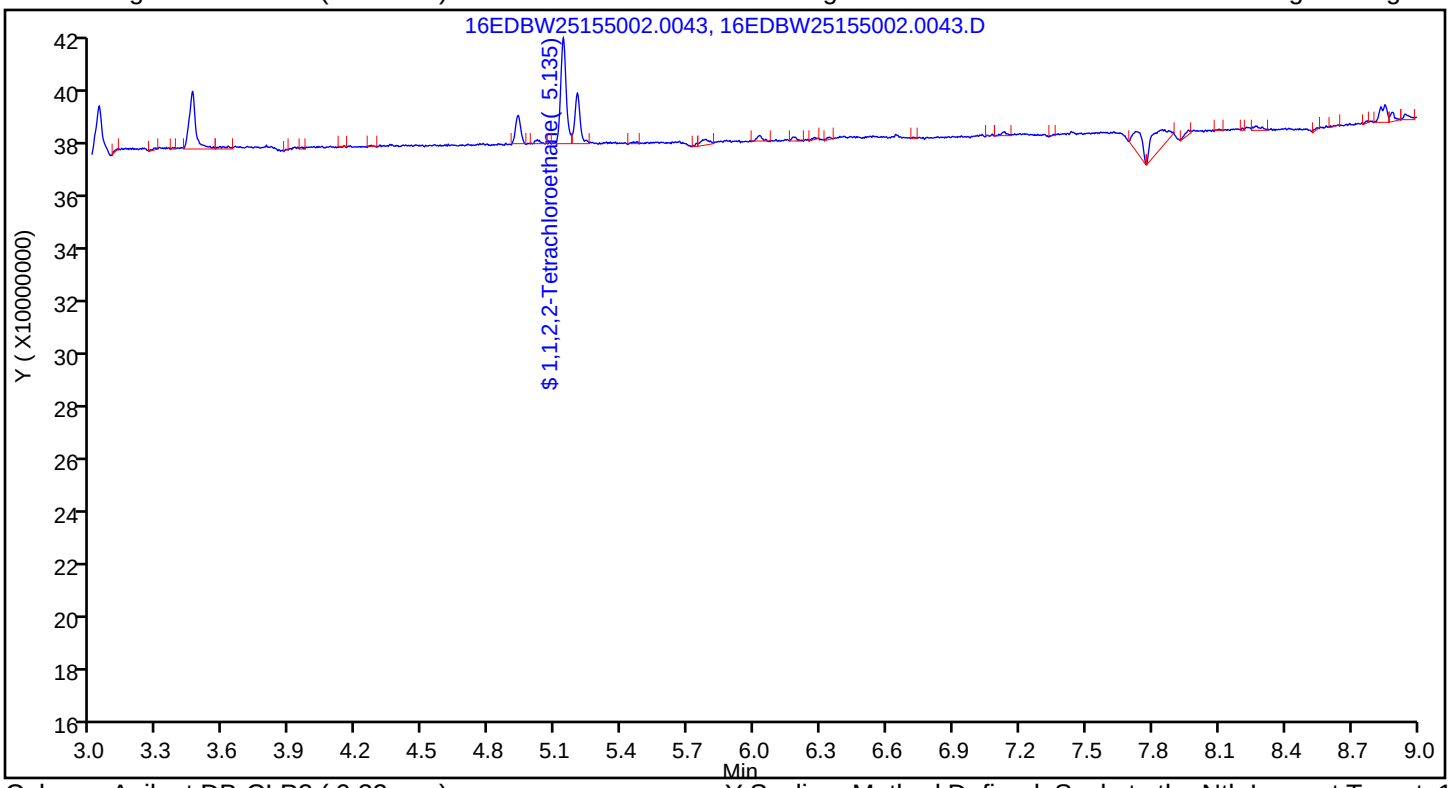
Report Date: 09-Jun-2025 08:03:41 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

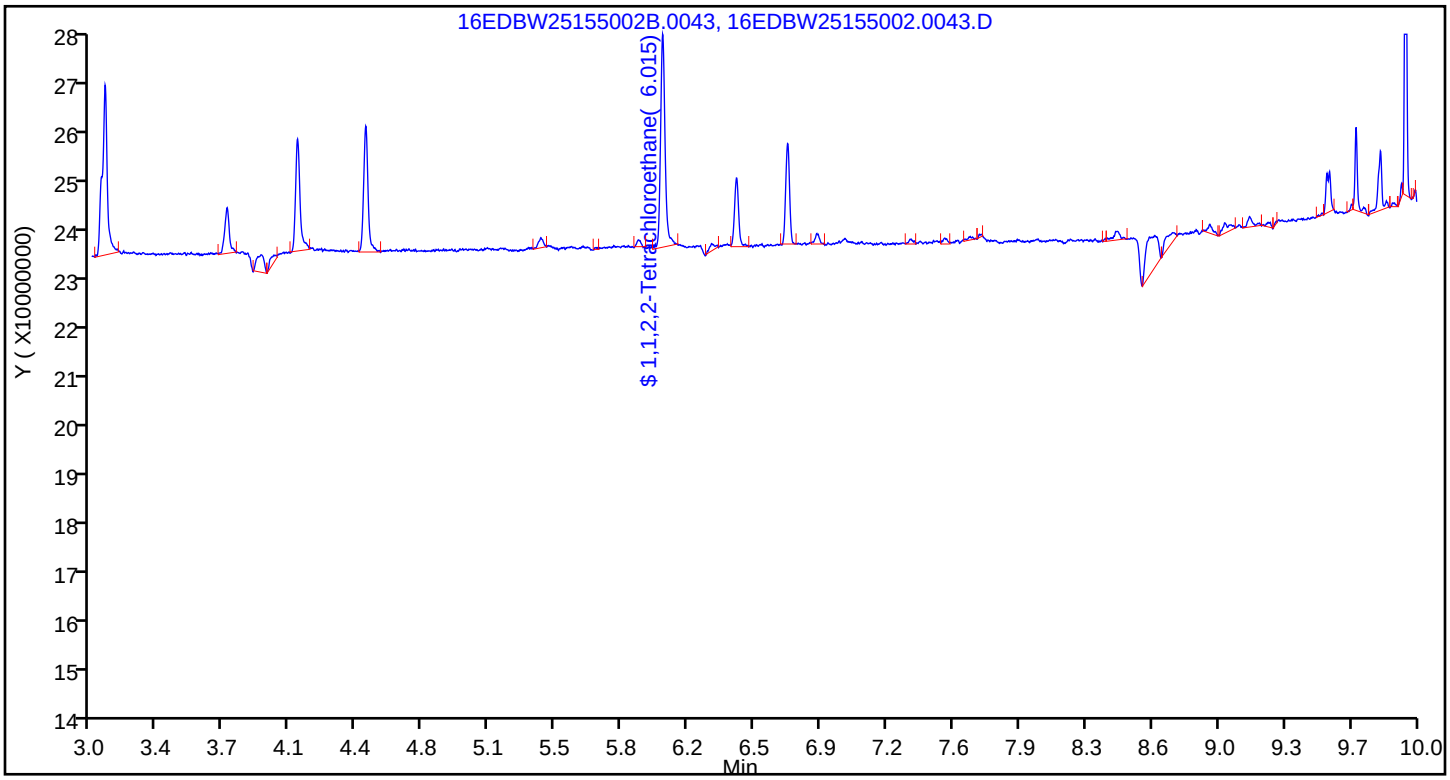
Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0043.D

Injection Date:	06-Jun-2025 23:39:00	Instrument ID:	19853
Lims ID:	410-225004-B-2-C	Lab Sample ID:	410-225004-2
Client ID:	MW-3D		
Operator ID:		ALS Bottle#:	0 Worklist Smp#: 43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8011_19853	Limit Group:	GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0043.D				
Lims ID:	410-225004-B-2-C				
Client ID:	MW-3D				
Sample Type:	Client				
Inject. Date:	06-Jun-2025 23:39:00	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-2-C				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.42	115.49

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.41	114.66

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3

Matrix: Water
Lab File ID: 16EDBW25155002.0044.D

Analysis Method: 8011
Date Collected: 05/29/2025 12:23

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.5(mL)
Date Analyzed: 06/06/2025 23:56

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND	cn	0.019	0.0093
96-12-8	1,2-Dibromo-3-Chloropropane	ND	cn	0.019	0.0093

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	117	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0044.D
Lims ID: 410-225004-B-3-A
Client ID: MW-6D
Sample Type: Client
Inject. Date: 06-Jun-2025 23:56:00 ALS Bottle#: 0 Worklist Smp#: 44
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-3-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Ethylene Dibromide						
1		3.620			ND	
2		4.333				
$ 2 1,1,2,2-Tetrachloroethane						
1	5.137	5.127	0.010	40743383	H 1.44	
2	6.017	6.018	-0.001	43941879	H 1.47	
					RPD = 1.55	
3 1,2-Dibromo-3-Chloropropane						
1		8.040			ND	
2		8.853				

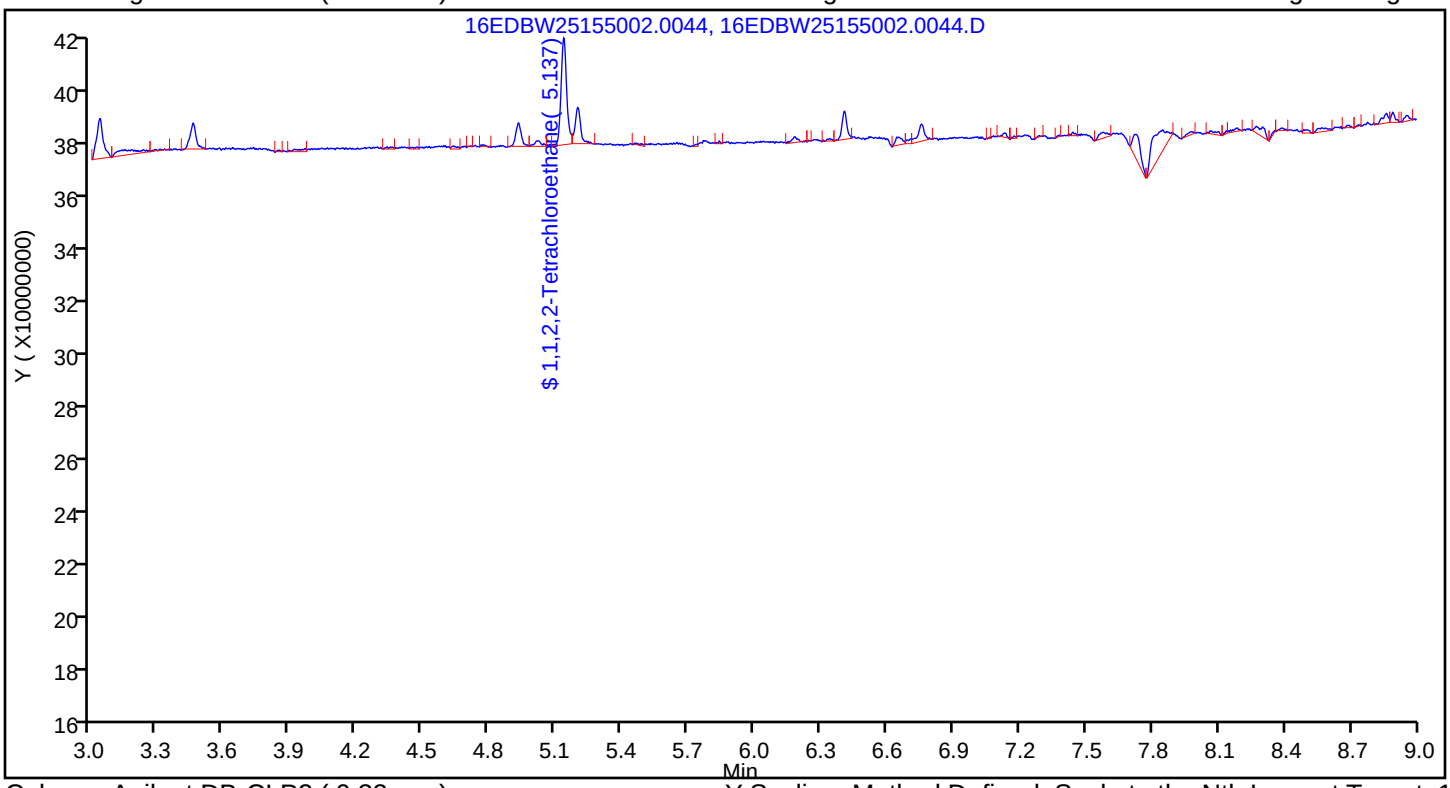
Report Date: 09-Jun-2025 08:03:43 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

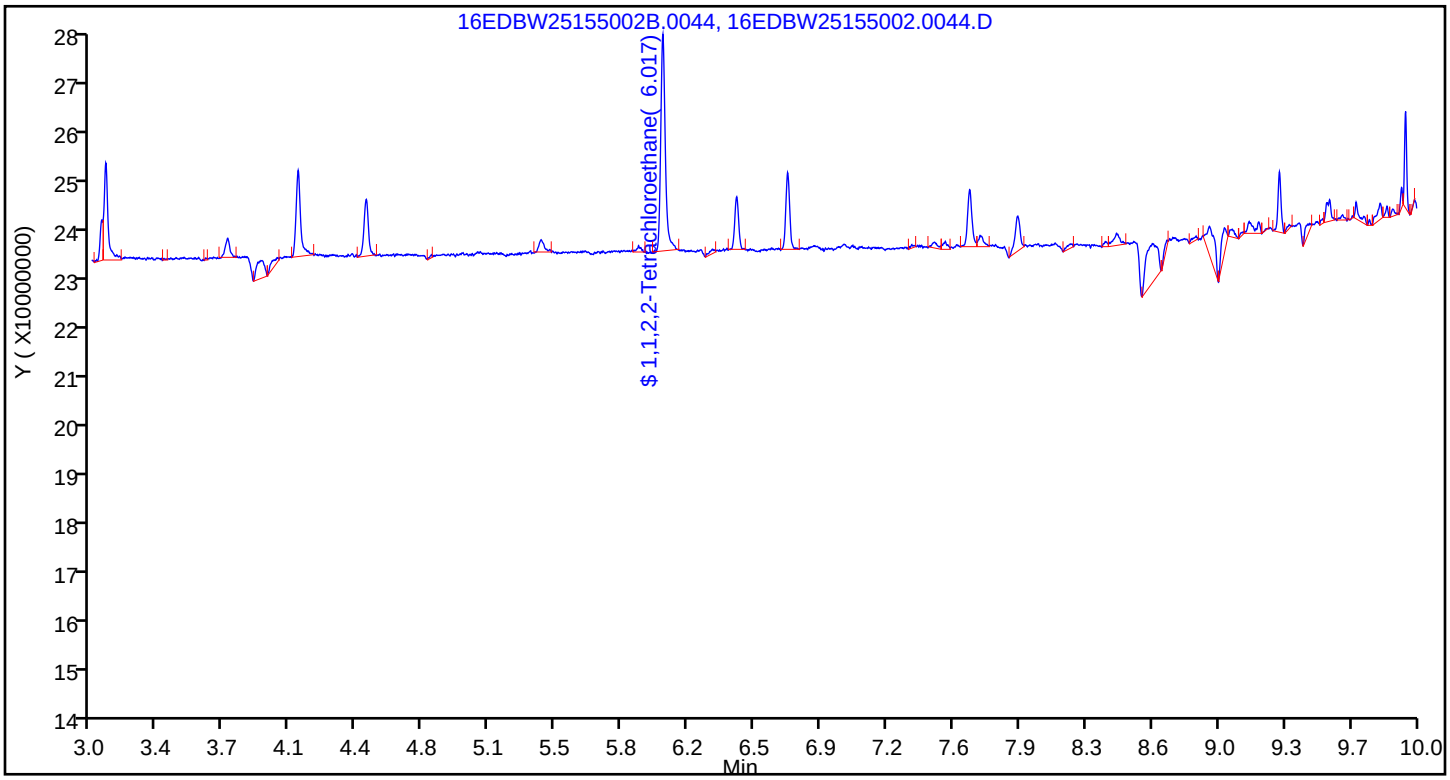
Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0044.D

Injection Date:	06-Jun-2025 23:56:00	Instrument ID:	19853
Lims ID:	410-225004-B-3-A	Lab Sample ID:	410-225004-3
Client ID:	MW-6D		
Operator ID:		ALS Bottle#:	0 Worklist Smp#: 44
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8011_19853	Limit Group:	GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0044.D				
Lims ID:	410-225004-B-3-A				
Client ID:	MW-6D				
Sample Type:	Client				
Inject. Date:	06-Jun-2025 23:56:00	ALS Bottle#:	0	Worklist Smp#:	44
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-3-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.44	117.24

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.47	119.07

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3

Matrix: Water
Lab File ID: 16EDBW25155002.0044.D

Analysis Method: 8011
Date Collected: 05/29/2025 12:23

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.5(mL)
Date Analyzed: 06/06/2025 23:56

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	119	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0044.D
Lims ID: 410-225004-B-3-A
Client ID: MW-6D
Sample Type: Client
Inject. Date: 06-Jun-2025 23:56:00 ALS Bottle#: 0 Worklist Smp#: 44
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-3-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Ethylene Dibromide						
1		3.620			ND	
2		4.333				
$ 2 1,1,2,2-Tetrachloroethane						
1	5.137	5.127	0.010	40743383	H 1.44	
2	6.017	6.018	-0.001	43941879	H 1.47	
					RPD = 1.55	
3 1,2-Dibromo-3-Chloropropane						
1		8.040			ND	
2		8.853				

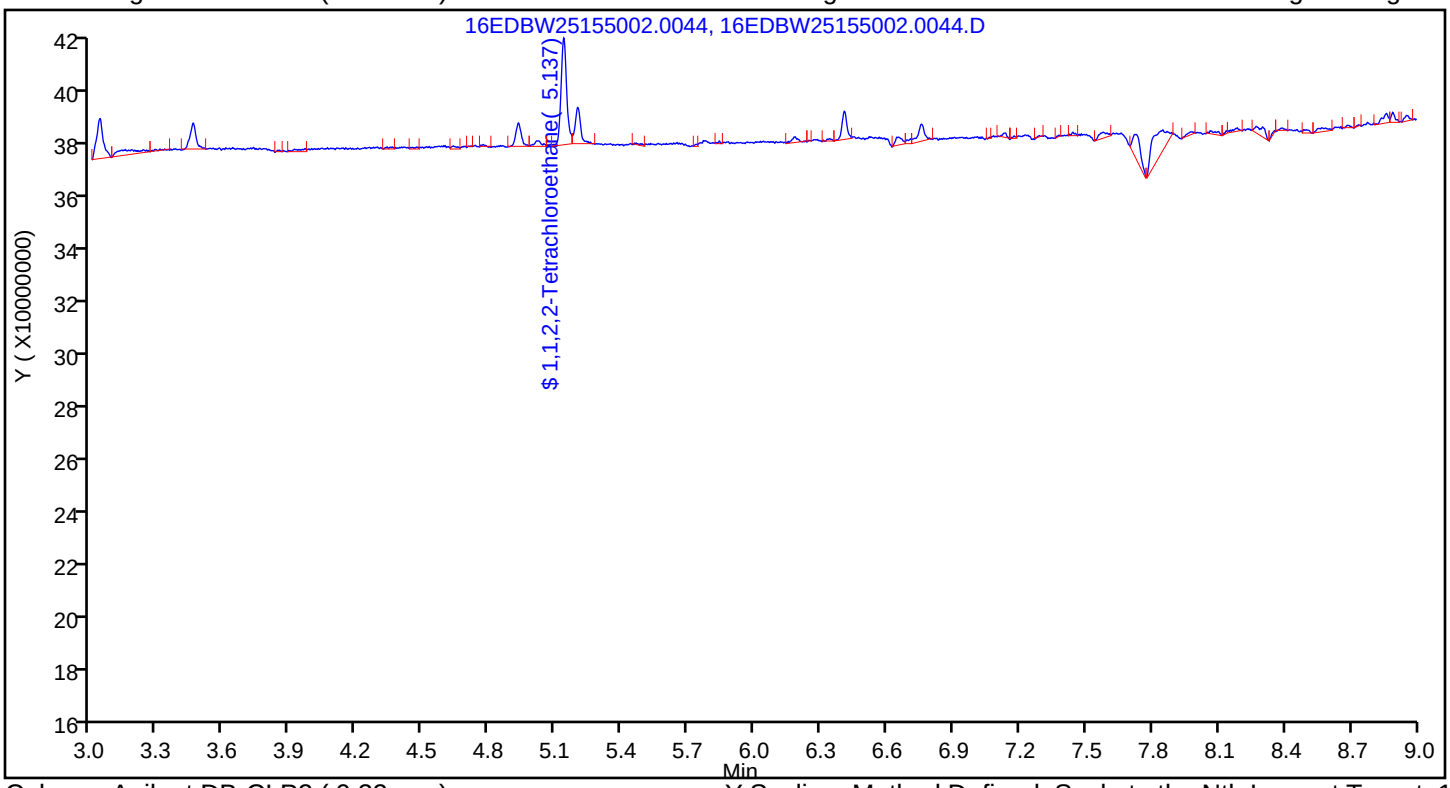
Report Date: 09-Jun-2025 08:03:43 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

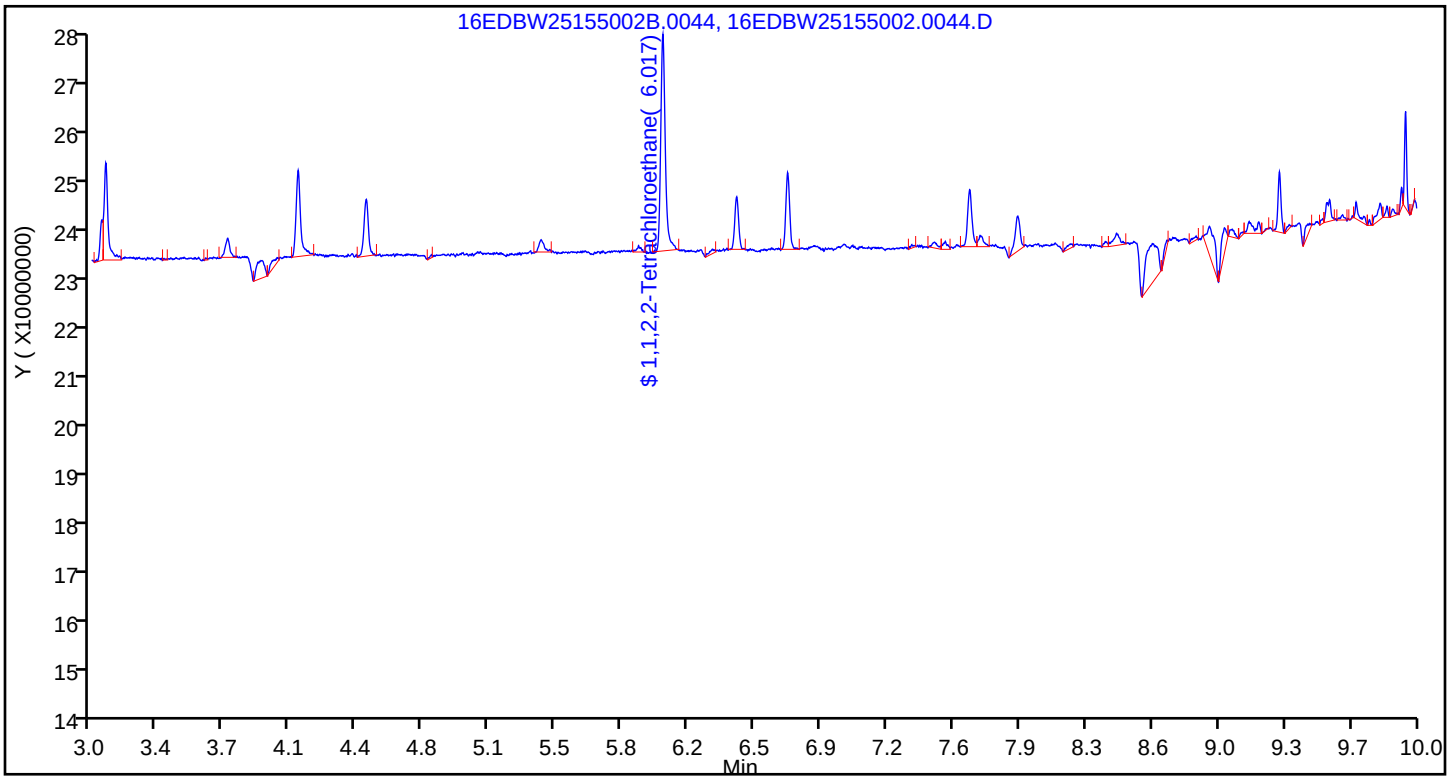
Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0044.D

Injection Date:	06-Jun-2025 23:56:00	Instrument ID:	19853
Lims ID:	410-225004-B-3-A	Lab Sample ID:	410-225004-3
Client ID:	MW-6D		
Operator ID:		ALS Bottle#:	0 Worklist Smp#: 44
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8011_19853	Limit Group:	GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0044.D				
Lims ID:	410-225004-B-3-A				
Client ID:	MW-6D				
Sample Type:	Client				
Inject. Date:	06-Jun-2025 23:56:00	ALS Bottle#:	0	Worklist Smp#:	44
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-3-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.44	117.24

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.47	119.07

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Matrix: Water
Lab File ID: 16EDBW25155002.0045.D

Analysis Method: 8011
Date Collected: 05/29/2025 08:02

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.3(mL)
Date Analyzed: 06/07/2025 00:13

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND	cn	0.019	0.0094
96-12-8	1,2-Dibromo-3-Chloropropane	ND	cn	0.019	0.0094

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	118	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0045.D
Lims ID: 410-225004-B-4-A
Client ID: MW-7D
Sample Type: Client
Inject. Date: 07-Jun-2025 00:13:00 ALS Bottle#: 0 Worklist Smp#: 45
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-4-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Ethylene Dibromide						
1		3.620			ND	
2		4.333				
$ 2 1,1,2,2-Tetrachloroethane						
1	5.132	5.127	0.005	41119150	H 1.46	
2	6.017	6.018	-0.001	41877976	H 1.40	
					RPD = 4.43	
3 1,2-Dibromo-3-Chloropropane						
1		8.040			ND	
2		8.853				

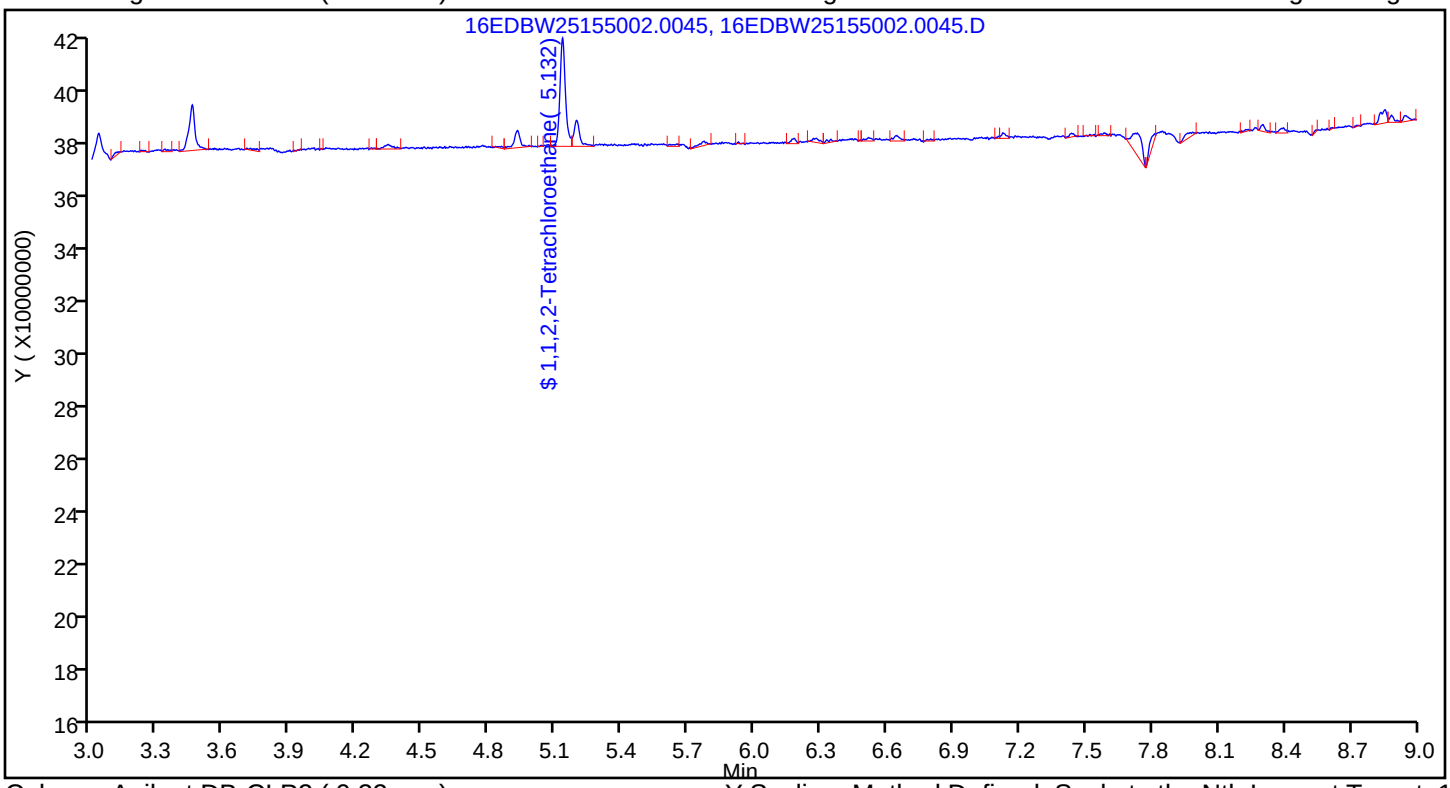
Report Date: 09-Jun-2025 08:03:45 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

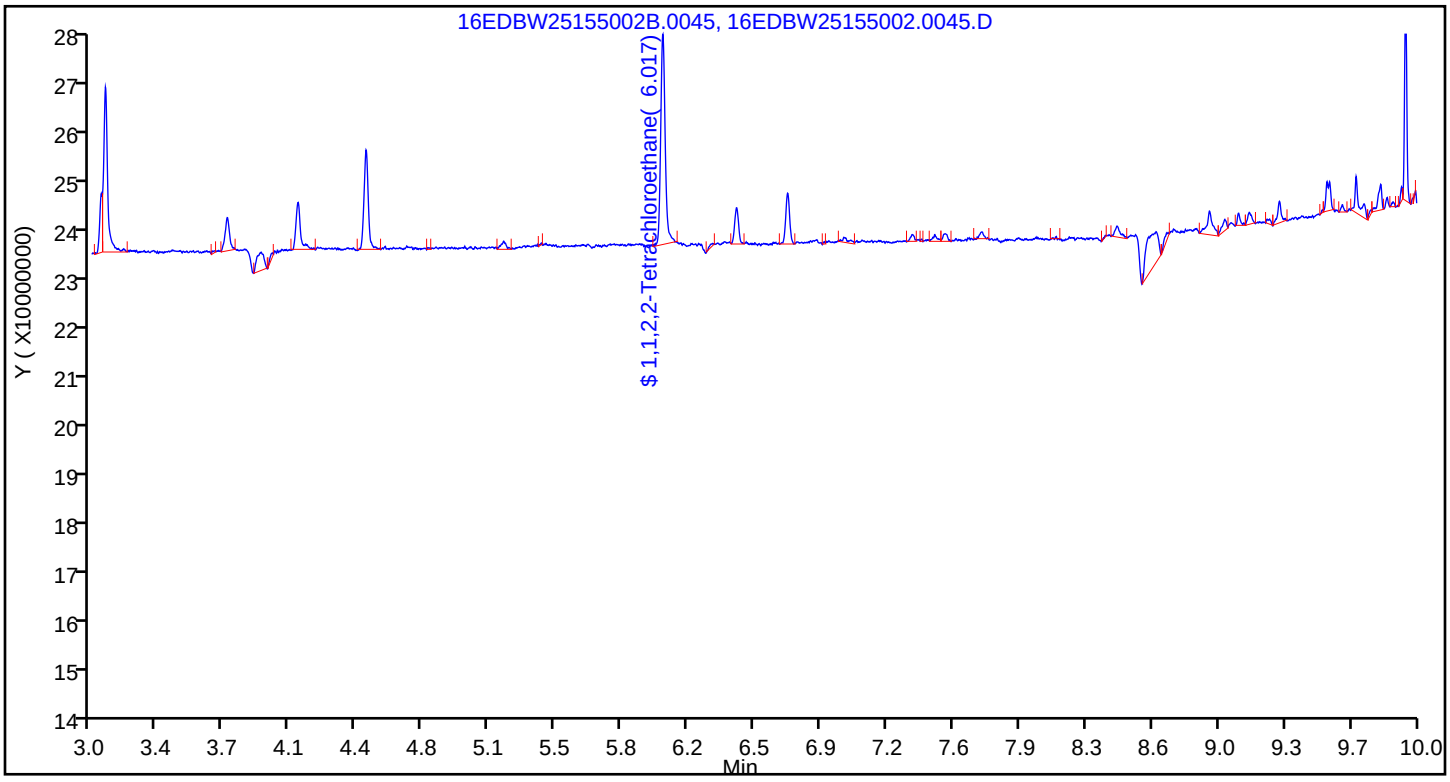
Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0045.D

Injection Date:	07-Jun-2025 00:13:00	Instrument ID:	19853		
Lims ID:	410-225004-B-4-A	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	45
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8011_19853	Limit Group:	GCSV - 8011 Waters		

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0045.D				
Lims ID:	410-225004-B-4-A				
Client ID:	MW-7D				
Sample Type:	Client				
Inject. Date:	07-Jun-2025 00:13:00	ALS Bottle#:	0	Worklist Smp#:	45
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-4-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.46	118.34

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.40	113.21

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Matrix: Water
Lab File ID: 16EDBW25155002.0045.D

Analysis Method: 8011
Date Collected: 05/29/2025 08:02

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.3(mL)
Date Analyzed: 06/07/2025 00:13

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	113	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0045.D
Lims ID: 410-225004-B-4-A
Client ID: MW-7D
Sample Type: Client
Inject. Date: 07-Jun-2025 00:13:00 ALS Bottle#: 0 Worklist Smp#: 45
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-4-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Ethylene Dibromide						
1		3.620			ND	
2		4.333				
$ 2 1,1,2,2-Tetrachloroethane						
1	5.132	5.127	0.005	41119150	H 1.46	
2	6.017	6.018	-0.001	41877976	H 1.40	
					RPD = 4.43	
3 1,2-Dibromo-3-Chloropropane						
1		8.040			ND	
2		8.853				

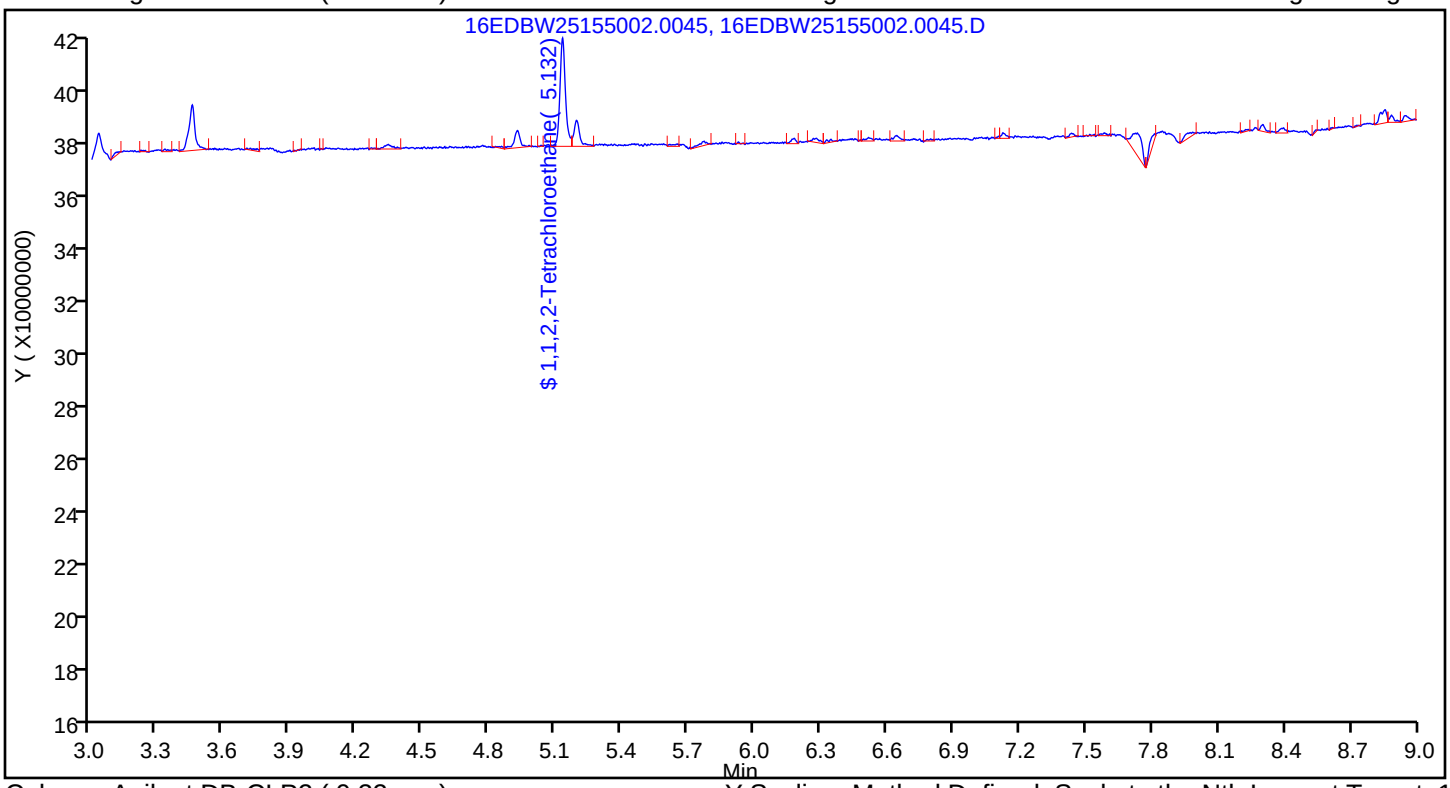
Report Date: 09-Jun-2025 08:03:46 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

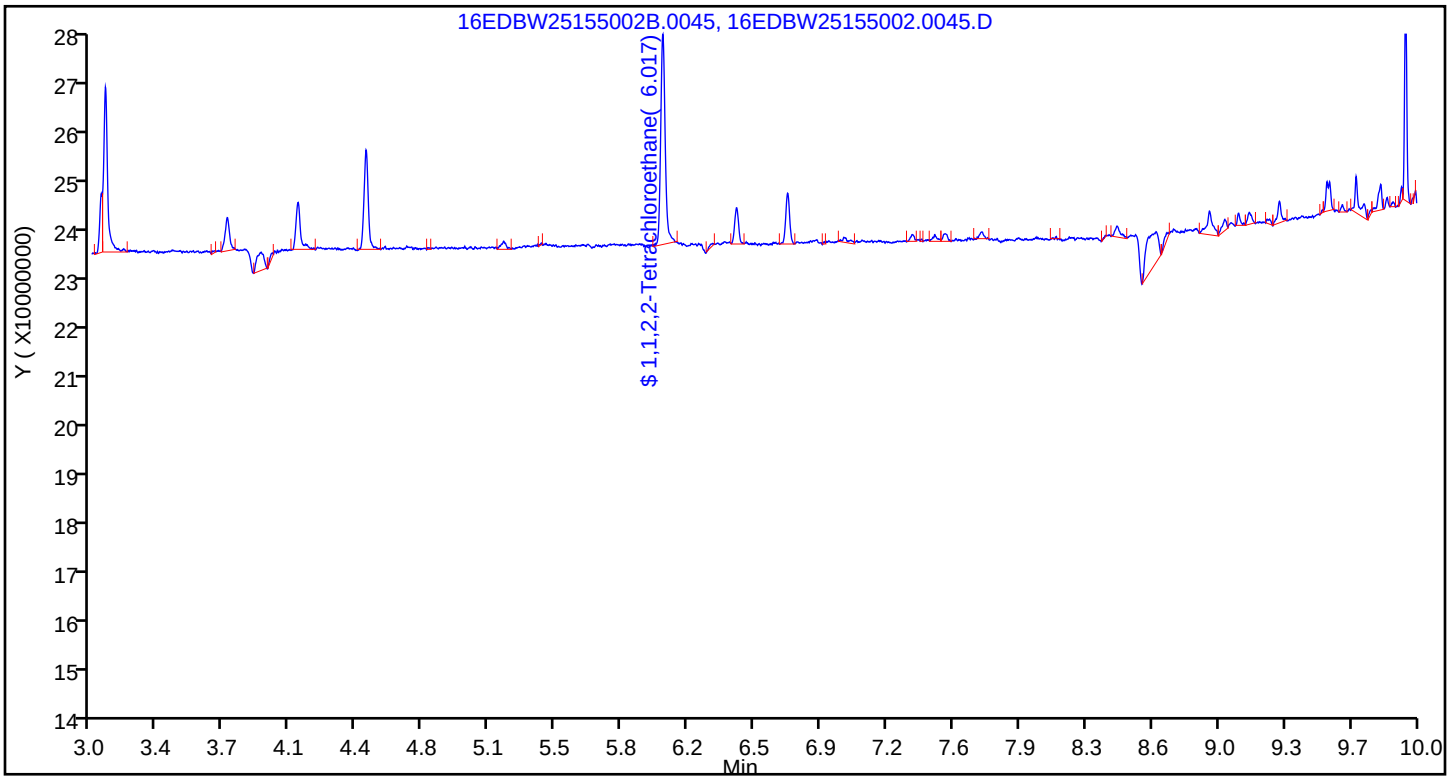
Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0045.D

Injection Date:	07-Jun-2025 00:13:00	Instrument ID:	19853		
Lims ID:	410-225004-B-4-A	Lab Sample ID:	410-225004-4		
Client ID:	MW-7D				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	45
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8011_19853	Limit Group:	GCSV - 8011 Waters		

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0045.D				
Lims ID:	410-225004-B-4-A				
Client ID:	MW-7D				
Sample Type:	Client				
Inject. Date:	07-Jun-2025 00:13:00	ALS Bottle#:	0	Worklist Smp#:	45
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-4-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.46	118.34

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.40	113.21

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5

Matrix: Water
Lab File ID: 16EDBW25155002.0046.D

Analysis Method: 8011
Date Collected: 05/29/2025 12:25

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.1(mL)
Date Analyzed: 06/07/2025 00:30

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND	cn	0.019	0.0094
96-12-8	1,2-Dibromo-3-Chloropropane	ND	cn	0.019	0.0094

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	120	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0046.D
Lims ID: 410-225004-B-5-A
Client ID: MW-8
Sample Type: Client
Inject. Date: 07-Jun-2025 00:30:00 ALS Bottle#: 0 Worklist Smp#: 46
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-5-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Ethylene Dibromide						
1		3.620			ND	
2		4.333				
$ 2 1,1,2,2-Tetrachloroethane						
1	5.125	5.127	-0.002	41705803H	1.48	
2	6.017	6.018	-0.001	43397239H	1.45	
					RPD = 2.13	
3 1,2-Dibromo-3-Chloropropane						
1	8.053	8.040	0.013	597507H	0.009442	
2	8.837	8.853	-0.016	1108263H	0.0167	
					RPD = 55.76	

Report Date: 09-Jun-2025 08:03:48 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0046.D

Injection Date: 07-Jun-2025 00:30:00 Instrument ID: 19853

Lims ID: 410-225004-B-5-A Lab Sample ID: 410-225004-5

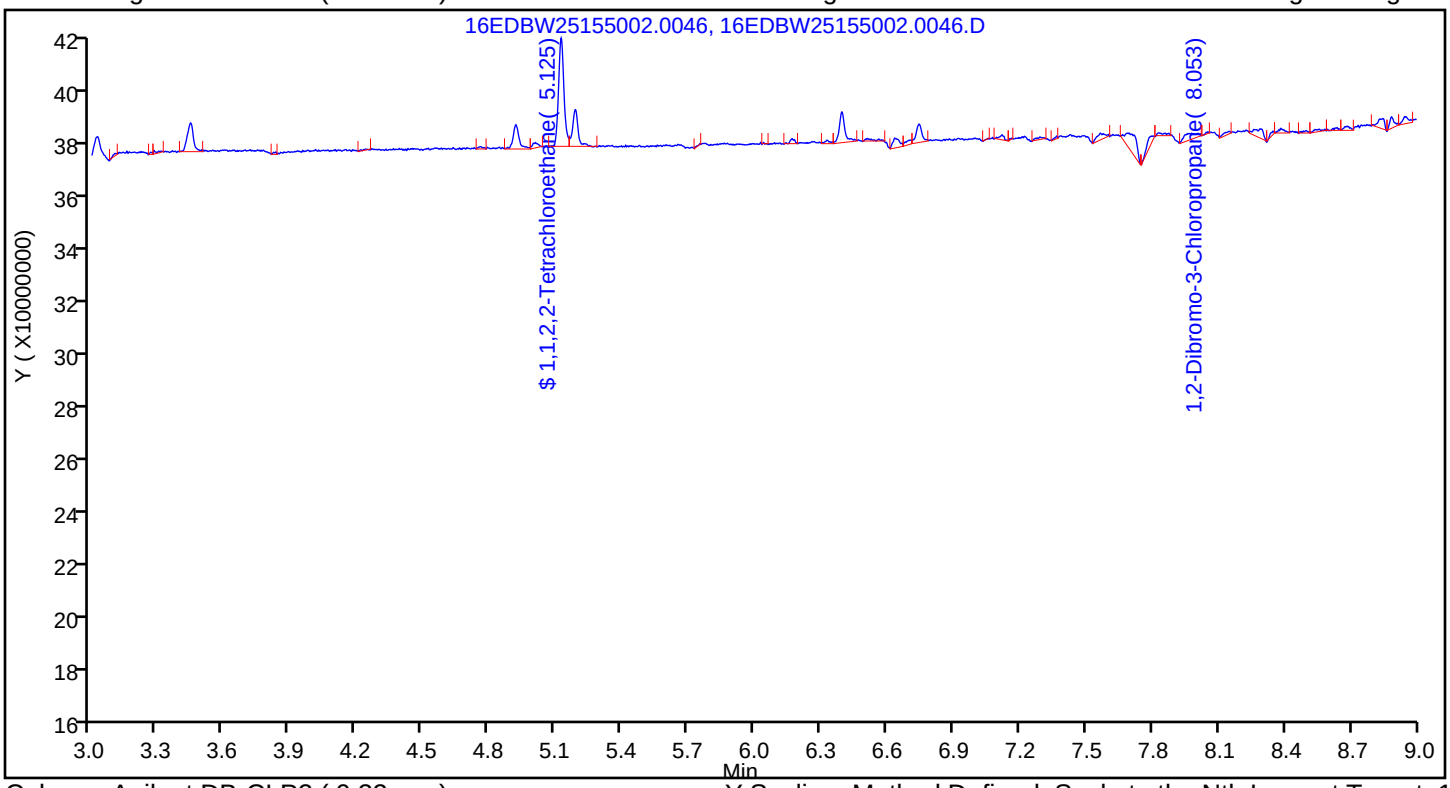
Client ID: MW-8

Operator ID: ALS Bottle#: 0 Worklist Smp#: 46

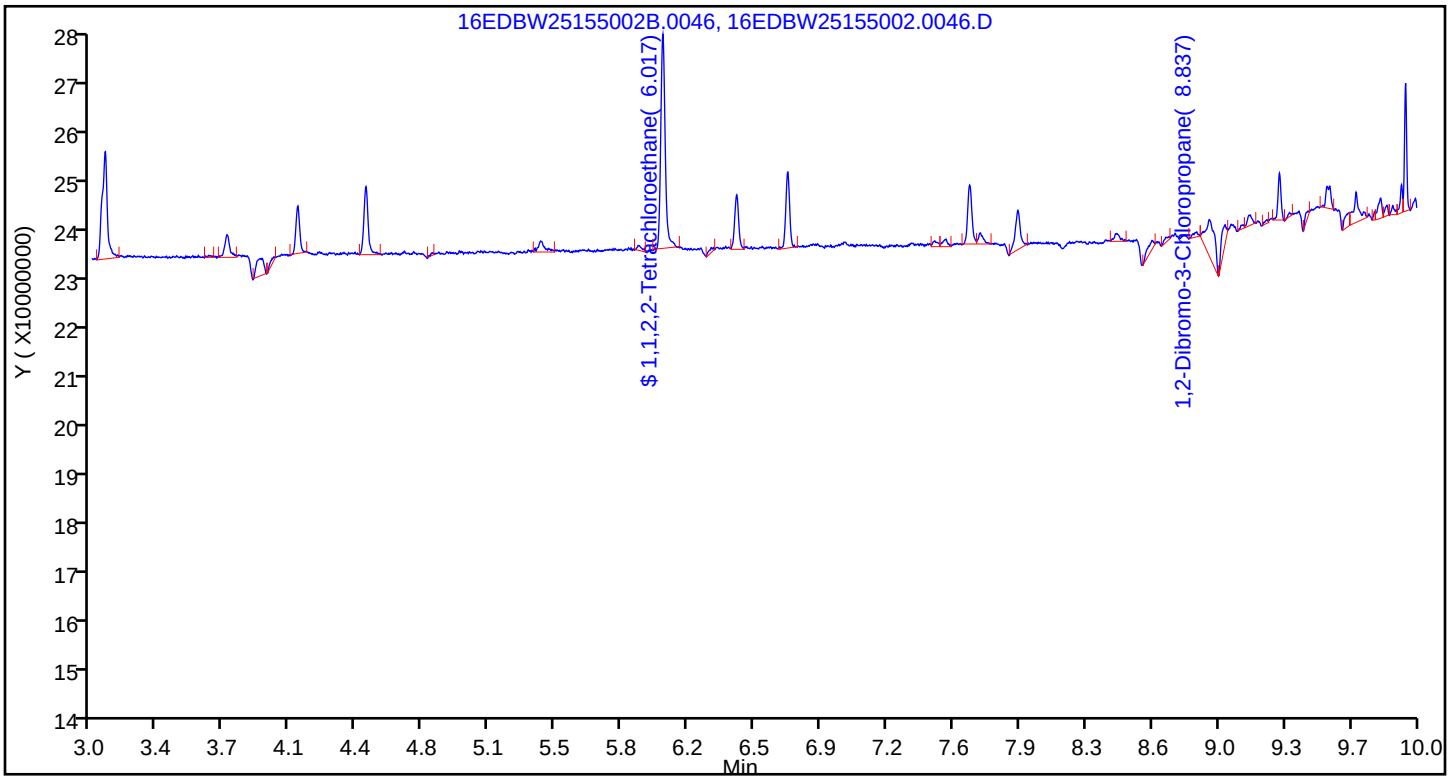
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0046.D				
Lims ID:	410-225004-B-5-A				
Client ID:	MW-8				
Sample Type:	Client				
Inject. Date:	07-Jun-2025 00:30:00	ALS Bottle#:	0	Worklist Smp#:	46
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-5-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.48	120.06

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.45	117.53

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5

Matrix: Water
Lab File ID: 16EDBW25155002.0046.D

Analysis Method: 8011
Date Collected: 05/29/2025 12:25

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.1(mL)
Date Analyzed: 06/07/2025 00:30

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	118	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0046.D
Lims ID: 410-225004-B-5-A
Client ID: MW-8
Sample Type: Client
Inject. Date: 07-Jun-2025 00:30:00 ALS Bottle#: 0 Worklist Smp#: 46
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-5-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Ethylene Dibromide						
1		3.620			ND	
2		4.333				
$ 2 1,1,2,2-Tetrachloroethane						
1	5.125	5.127	-0.002	41705803H	1.48	
2	6.017	6.018	-0.001	43397239H	1.45	
					RPD = 2.13	
3 1,2-Dibromo-3-Chloropropane						
1	8.053	8.040	0.013	597507H	0.009442	
2	8.837	8.853	-0.016	1108263H	0.0167	
					RPD = 55.76	

Report Date: 09-Jun-2025 08:03:48 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0046.D

Injection Date: 07-Jun-2025 00:30:00 Instrument ID: 19853

Lims ID: 410-225004-B-5-A Lab Sample ID: 410-225004-5

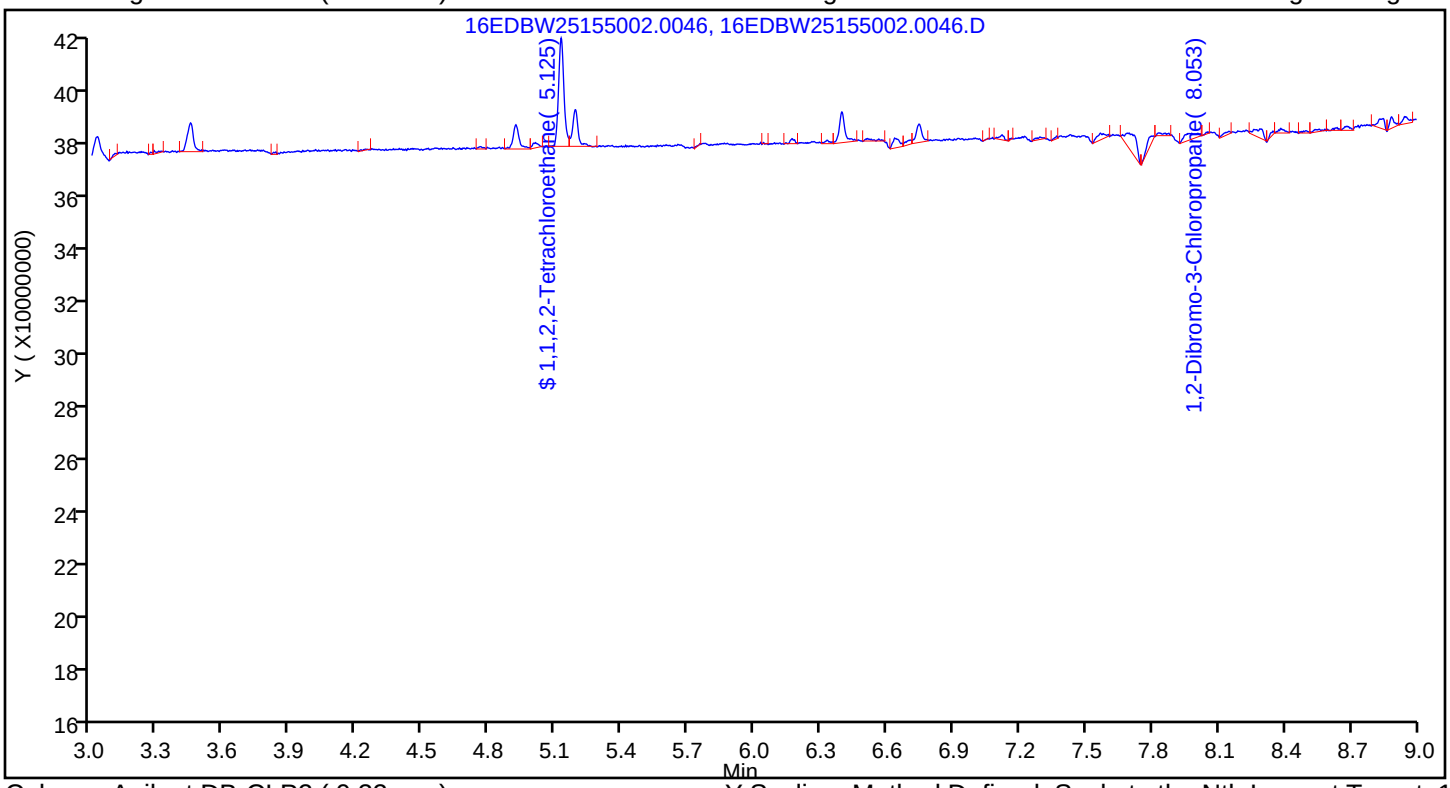
Client ID: MW-8

Operator ID: ALS Bottle#: 0 Worklist Smp#: 46

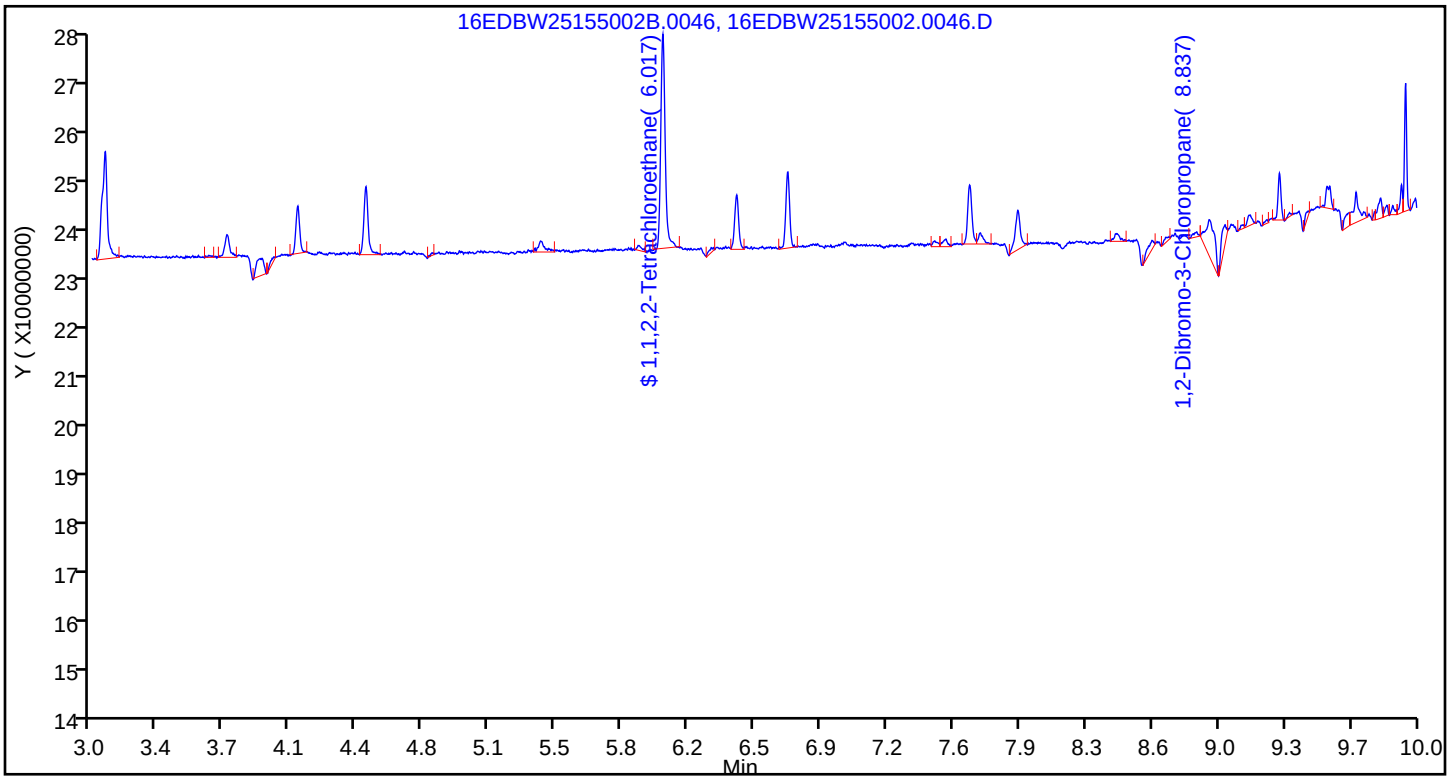
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0046.D				
Lims ID:	410-225004-B-5-A				
Client ID:	MW-8				
Sample Type:	Client				
Inject. Date:	07-Jun-2025 00:30:00	ALS Bottle#:	0	Worklist Smp#:	46
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-5-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.48	120.06

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.45	117.53

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: EB
Lab Sample ID: 410-225004-6

Matrix: Water
Lab File ID: 16EDBW25155002.0047.D

Analysis Method: 8011
Date Collected: 05/29/2025 09:35

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37(mL)
Date Analyzed: 06/07/2025 00:47

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND	cn	0.019	0.0095
96-12-8	1,2-Dibromo-3-Chloropropane	ND	cn	0.019	0.0095

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	112	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0047.D
Lims ID: 410-225004-B-6-A
Client ID: EB
Sample Type: Client
Inject. Date: 07-Jun-2025 00:47:00 ALS Bottle#: 0 Worklist Smp#: 47
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-6-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Ethylene Dibromide						
1		3.620			ND	
2		4.333				
$ 2 1,1,2,2-Tetrachloroethane						
1	5.123	5.127	-0.004	38921492	H 1.38	
2	6.015	6.018	-0.003	41099336	H 1.37	
					RPD = 0.80	
3 1,2-Dibromo-3-Chloropropane						
1	8.058	8.040	0.018	1282648	H 0.0203	
2	8.867	8.853	0.014	1939064	H 0.0293	
					RPD = 36.42	

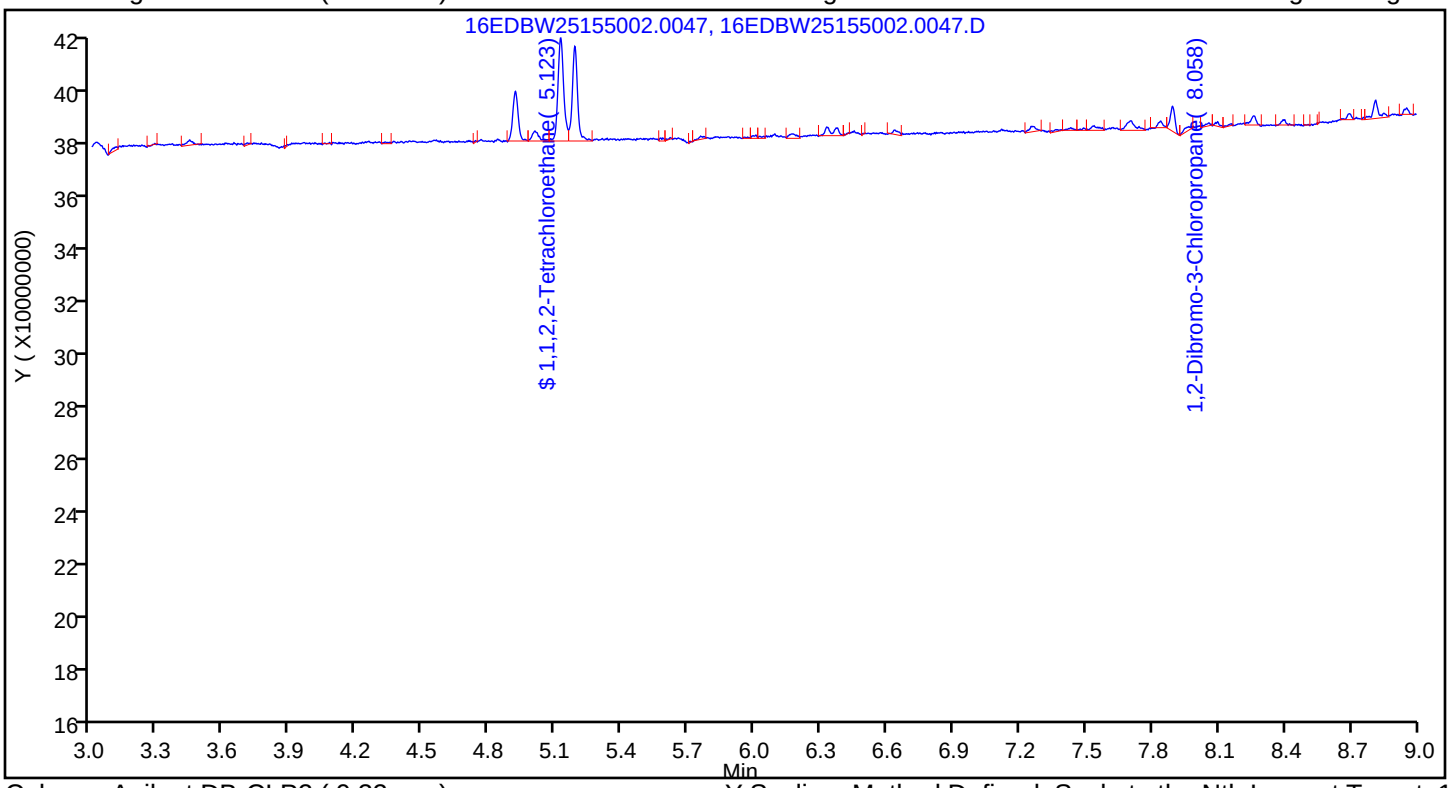
Report Date: 09-Jun-2025 08:03:50 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

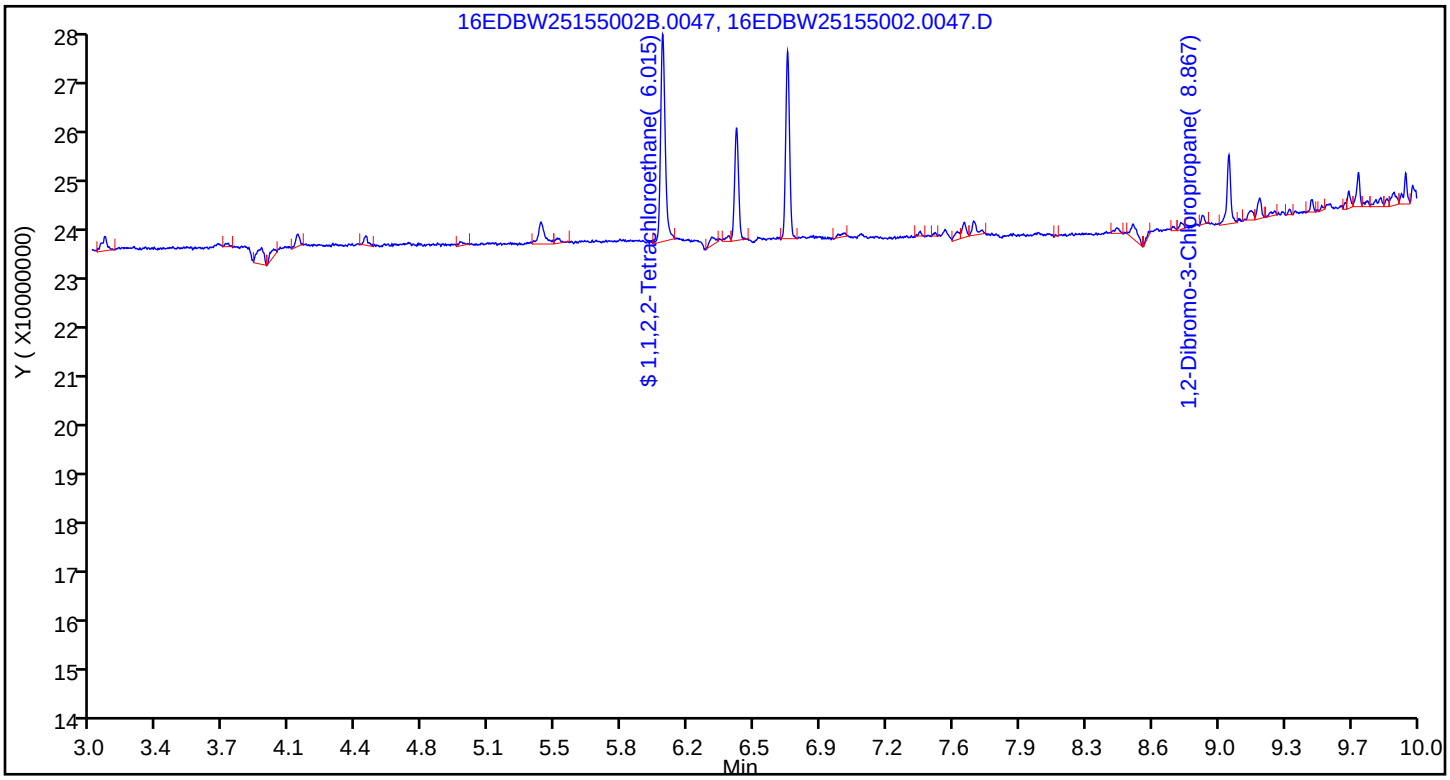
Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0047.D

Injection Date:	07-Jun-2025 00:47:00	Instrument ID:	19853		
Lims ID:	410-225004-B-6-A	Lab Sample ID:	410-225004-6		
Client ID:	EB				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	47
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8011_19853	Limit Group:	GCSV - 8011 Waters		

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0047.D				
Lims ID:	410-225004-B-6-A				
Client ID:	EB				
Sample Type:	Client				
Inject. Date:	07-Jun-2025 00:47:00	ALS Bottle#:	0	Worklist Smp#:	47
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-6-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.38	111.90

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.37	111.00

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: EB
Lab Sample ID: 410-225004-6

Matrix: Water
Lab File ID: 16EDBW25155002.0047.D

Analysis Method: 8011
Date Collected: 05/29/2025 09:35

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37(mL)
Date Analyzed: 06/07/2025 00:47

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	111	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0047.D
Lims ID: 410-225004-B-6-A
Client ID: EB
Sample Type: Client
Inject. Date: 07-Jun-2025 00:47:00 ALS Bottle#: 0 Worklist Smp#: 47
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-6-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Ethylene Dibromide						
1		3.620			ND	
2		4.333				
$ 2 1,1,2,2-Tetrachloroethane						
1	5.123	5.127	-0.004	38921492	H 1.38	
2	6.015	6.018	-0.003	41099336	H 1.37	
					RPD = 0.80	
3 1,2-Dibromo-3-Chloropropane						
1	8.058	8.040	0.018	1282648	H 0.0203	
2	8.867	8.853	0.014	1939064	H 0.0293	
					RPD = 36.42	

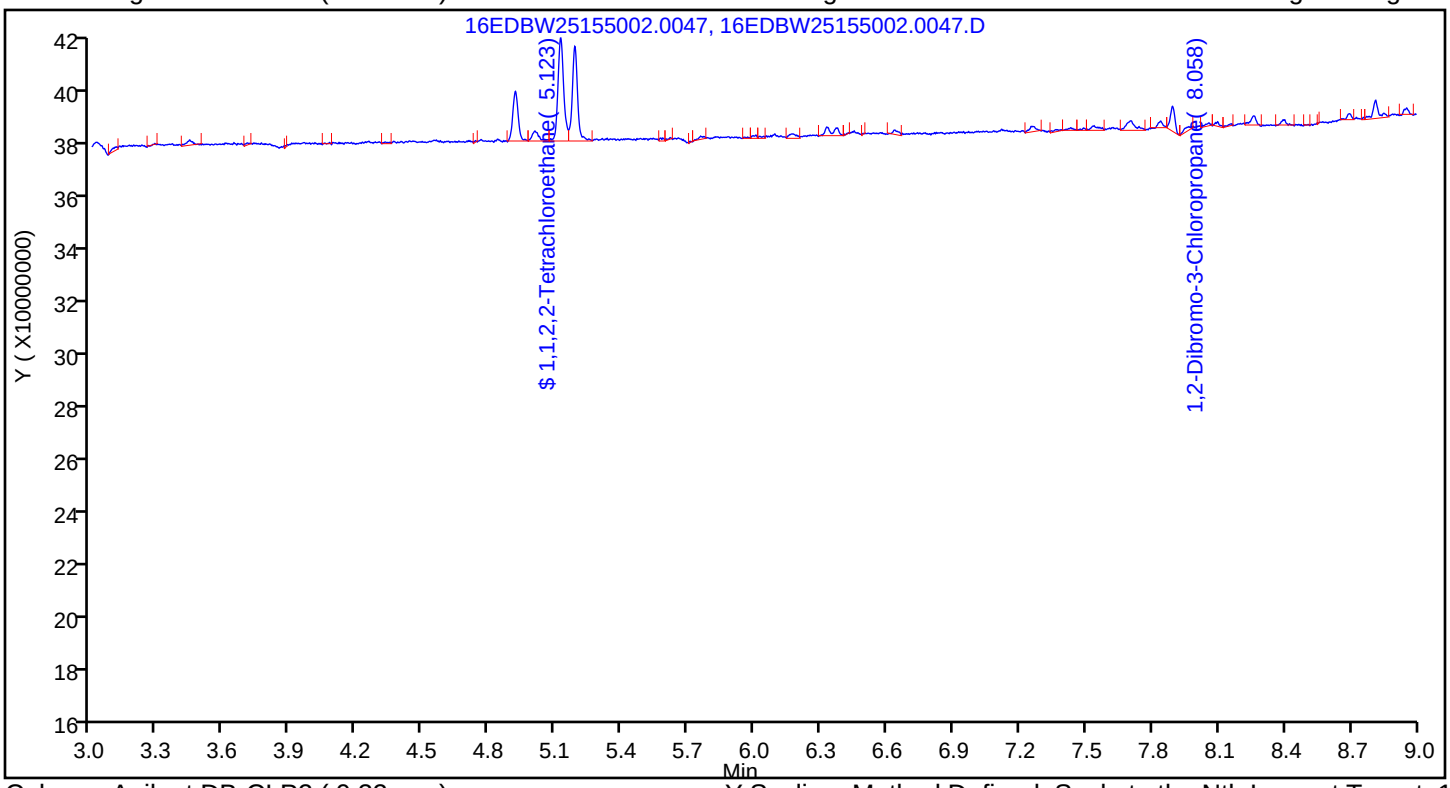
Report Date: 09-Jun-2025 08:03:50 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

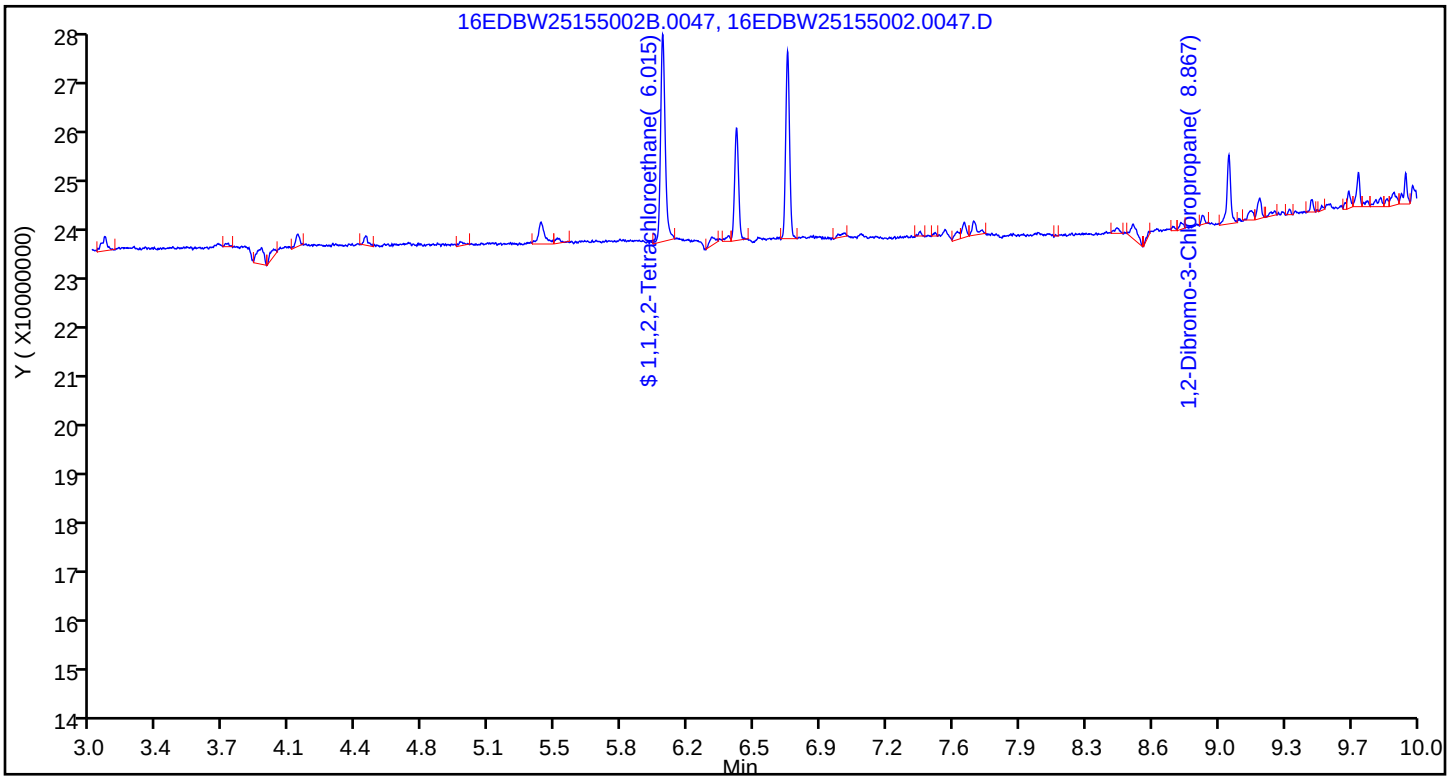
Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0047.D

Injection Date:	07-Jun-2025 00:47:00	Instrument ID:	19853		
Lims ID:	410-225004-B-6-A	Lab Sample ID:	410-225004-6		
Client ID:	EB				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	47
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8011_19853	Limit Group:	GCSV - 8011 Waters		

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0047.D				
Lims ID:	410-225004-B-6-A				
Client ID:	EB				
Sample Type:	Client				
Inject. Date:	07-Jun-2025 00:47:00	ALS Bottle#:	0	Worklist Smp#:	47
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-6-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.38	111.90

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.37	111.00

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: Trip Blank
Lab Sample ID: 410-225004-7

Matrix: Water
Lab File ID: 16EDBW25155002.0048.D

Analysis Method: 8011
Date Collected: 05/30/2025 08:00

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.3(mL)
Date Analyzed: 06/07/2025 01:04

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND	cn	0.019	0.0094
96-12-8	1,2-Dibromo-3-Chloropropane	ND	cn	0.019	0.0094

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	120	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0048.D
Lims ID: 410-225004-B-7-A
Client ID: Trip Blank
Sample Type: Client
Inject. Date: 07-Jun-2025 01:04:00 ALS Bottle#: 0 Worklist Smp#: 48
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-7-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Ethylene Dibromide						
1		3.620			ND	
2		4.333				
$ 2 1,1,2,2-Tetrachloroethane						
1	5.128	5.127	0.001	41633805	H 1.48	
2	6.017	6.018	-0.001	42732911	H 1.43	
					RPD = 3.57	
3 1,2-Dibromo-3-Chloropropane						
1	8.055	8.040	0.015	1417019	H 0.0224	
2	8.868	8.853	0.015	2582107	H 0.0390	
					RPD = 54.12	

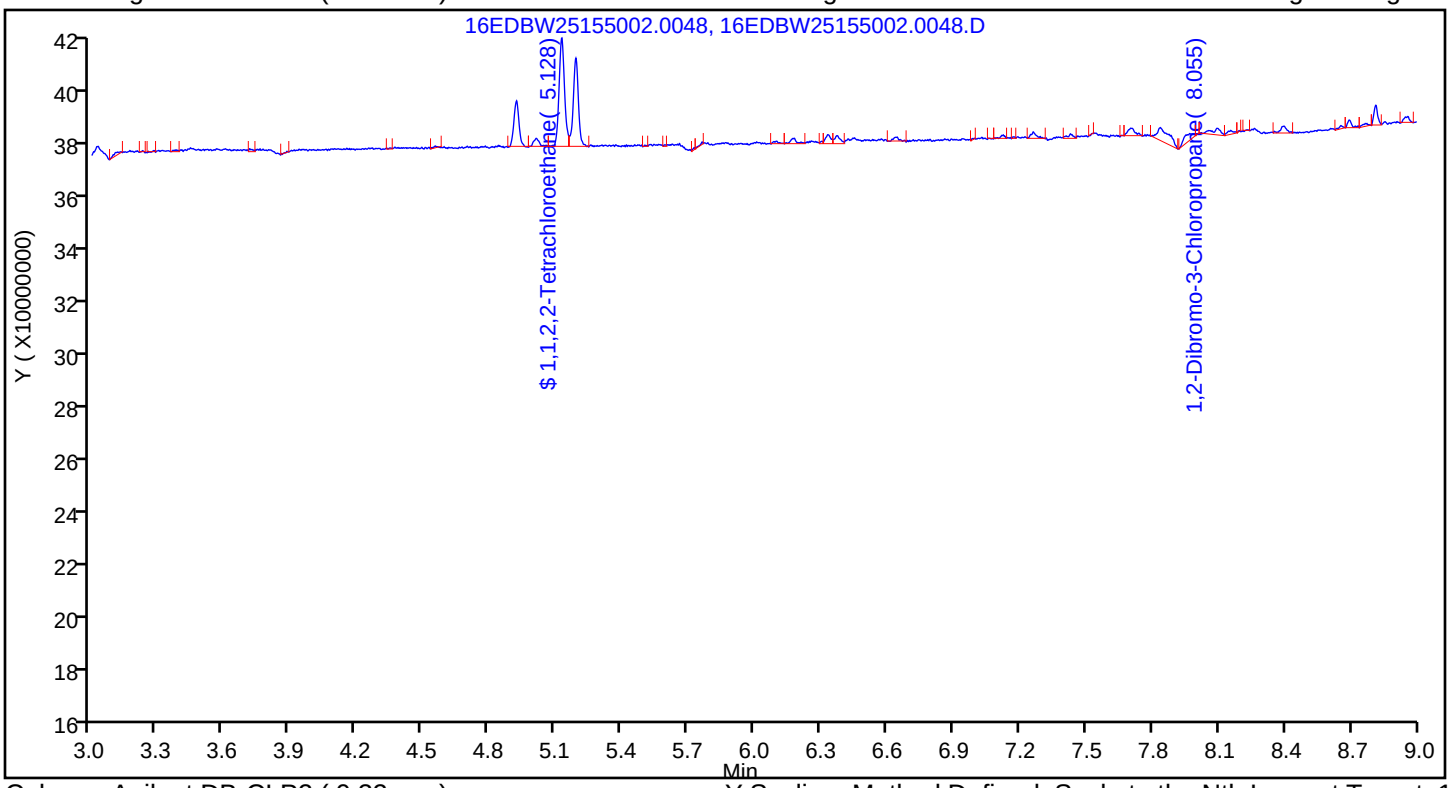
Report Date: 09-Jun-2025 08:03:53 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

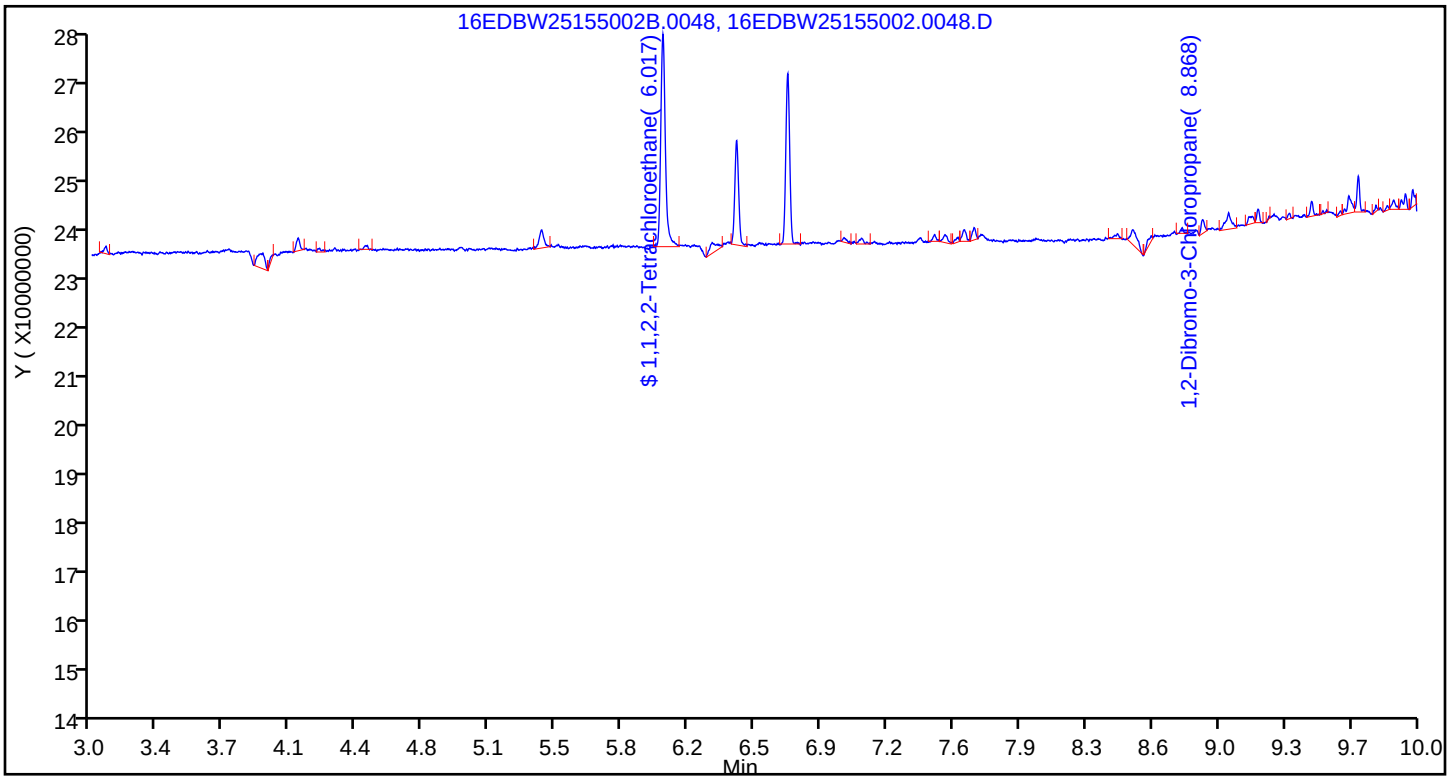
Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0048.D

Injection Date:	07-Jun-2025 01:04:00	Instrument ID:	19853		
Lims ID:	410-225004-B-7-A	Lab Sample ID:	410-225004-7		
Client ID:	Trip Blank				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	48
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8011_19853	Limit Group:	GCSV - 8011 Waters		

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0048.D				
Lims ID:	410-225004-B-7-A				
Client ID:	Trip Blank				
Sample Type:	Client				
Inject. Date:	07-Jun-2025 01:04:00	ALS Bottle#:	0	Worklist Smp#:	48
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-7-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.48	119.85

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.43	115.64

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: Trip Blank
Lab Sample ID: 410-225004-7

Matrix: Water
Lab File ID: 16EDBW25155002.0048.D

Analysis Method: 8011
Date Collected: 05/30/2025 08:00

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.3(mL)
Date Analyzed: 06/07/2025 01:04

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	116	cn	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0048.D
Lims ID: 410-225004-B-7-A
Client ID: Trip Blank
Sample Type: Client
Inject. Date: 07-Jun-2025 01:04:00 ALS Bottle#: 0 Worklist Smp#: 48
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-7-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

	Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
	1 Ethylene Dibromide						
	1		3.620			ND	
	2		4.333				
$	2 1,1,2,2-Tetrachloroethane						
	1	5.128	5.127	0.001	41633805	H 1.48	
	2	6.017	6.018	-0.001	42732911	H 1.43	
						RPD = 3.57	
	3 1,2-Dibromo-3-Chloropropane						
	1	8.055	8.040	0.015	1417019	H 0.0224	
	2	8.868	8.853	0.015	2582107	H 0.0390	
						RPD = 54.12	

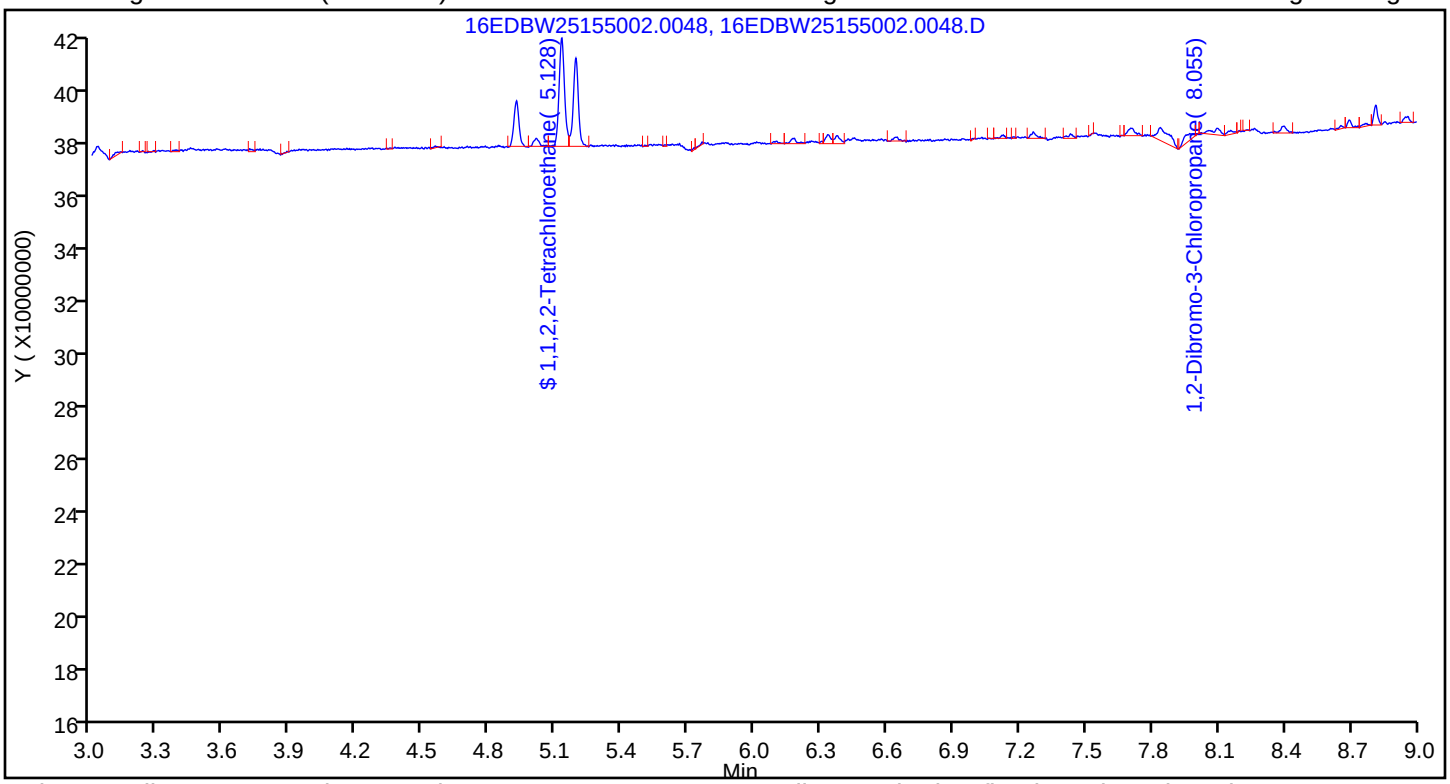
Report Date: 09-Jun-2025 08:03:53 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

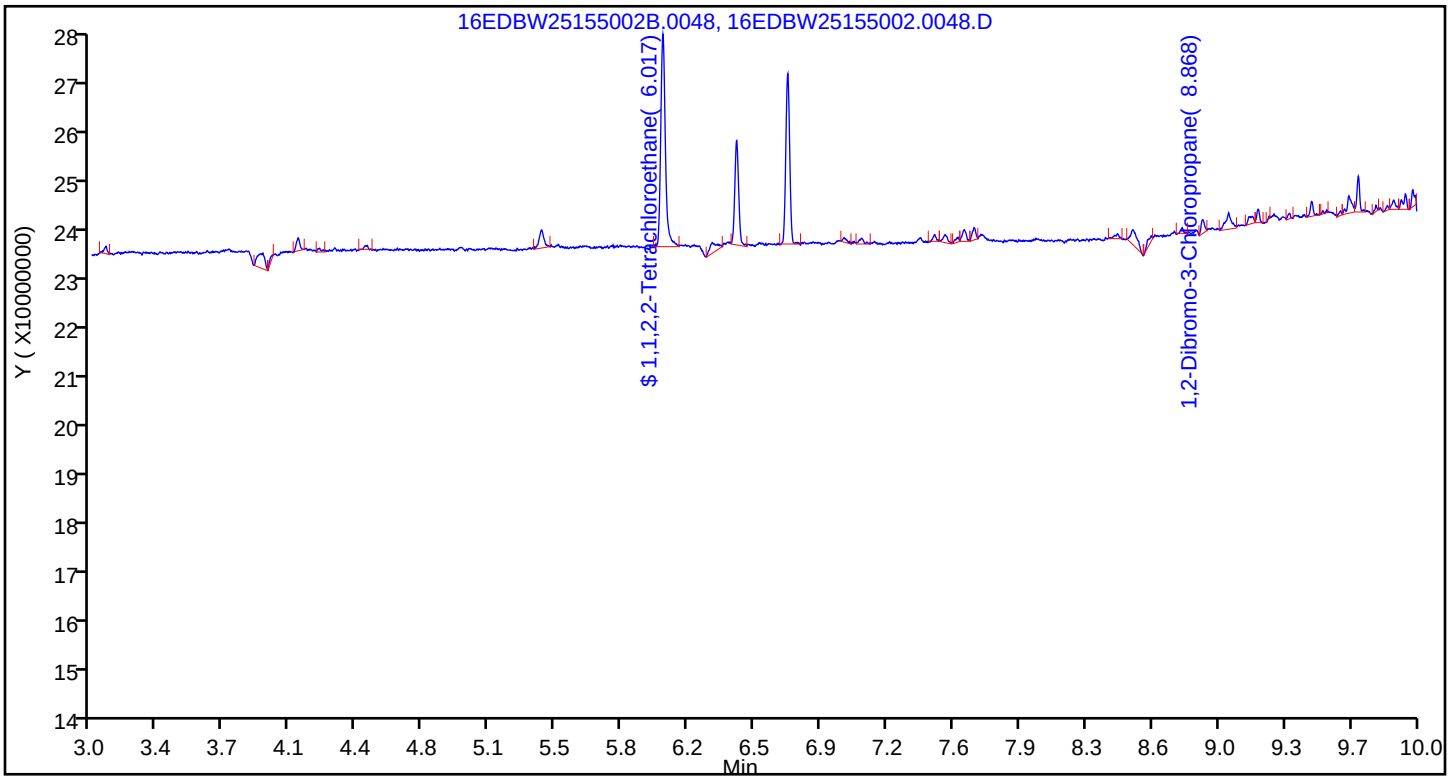
Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0048.D

Injection Date:	07-Jun-2025 01:04:00	Instrument ID:	19853		
Lims ID:	410-225004-B-7-A	Lab Sample ID:	410-225004-7		
Client ID:	Trip Blank				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	48
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8011_19853	Limit Group:	GCSV - 8011 Waters		

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0048.D				
Lims ID:	410-225004-B-7-A				
Client ID:	Trip Blank				
Sample Type:	Client				
Inject. Date:	07-Jun-2025 01:04:00	ALS Bottle#:	0	Worklist Smp#:	48
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-7-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.48	119.85

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.43	115.64

FORM VI

GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 652600

SDG No.:

Instrument ID: 19853 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 08:21 Calibration End Date: 06/04/2025 09:45 Calibration ID: 73301

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652600/4	16EDBW25155001.0004.D
Level 2	IC 410-652600/5	16EDBW25155001.0005.D
Level 3	IC 410-652600/6	16EDBW25155001.0006.D
Level 4	ICRT 410-652600/7	16EDBW25155001.0007.D
Level 5	IC 410-652600/8	16EDBW25155001.0008.D
Level 6	IC 410-652600/9	16EDBW25155001.0009.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Ethylene Dibromide	3.612	3.615	3.615	3.613	3.615	3.612					3.583 - 3.643	3.614
1,2-Dibromo-3-Chloropropane	8.043	8.043	8.043	8.043	8.043	8.042					8.013 - 8.073	8.043
1,1,2,2-Tetrachloroethane	5.127	5.127	5.128	5.127	5.128	5.125					5.097 - 5.157	5.127

FORM VI
GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 652600

SDG No.:

Instrument ID: 19853 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 08:21 Calibration End Date: 06/04/2025 09:45 Calibration ID: 73301

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652600/4	16EDBW25155001.0004.D
Level 2	IC 410-652600/5	16EDBW25155001.0005.D
Level 3	IC 410-652600/6	16EDBW25155001.0006.D
Level 4	ICRT 410-652600/7	16EDBW25155001.0007.D
Level 5	IC 410-652600/8	16EDBW25155001.0008.D
Level 6	IC 410-652600/9	16EDBW25155001.0009.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Ethylene Dibromide	24345950 25038298	23529719 23222183	24135342	26166482	Ave		24406329.2				4.4		10.0			
1,2-Dibromo-3-Chloropropane	64399846 59894387	66275728 59204386	66327433	63582038	Ave		63280636.2				4.9		10.0			
1,1,2,2-Tetrachloroethane	35671301 28446030	28279549 27694890	27191875	28908819	Lin	738972.593	27685500.4							0.9990		0.9900

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 652600

SDG No.:

Instrument ID: 19853 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 08:21 Calibration End Date: 06/04/2025 09:45 Calibration ID: 73301

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652600/4	16EDBW25155001.0004.D
Level 2	IC 410-652600/5	16EDBW25155001.0005.D
Level 3	IC 410-652600/6	16EDBW25155001.0006.D
Level 4	ICRT 410-652600/7	16EDBW25155001.0007.D
Level 5	IC 410-652600/8	16EDBW25155001.0008.D
Level 6	IC 410-652600/9	16EDBW25155001.0009.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Ethylene Dibromide	Ave	8563688 145864339	14779605	30320024	65743285	110090268	0.352 6.28	0.628	1.26	2.51	4.40
1,2-Dibromo-3-Chloropropane	Ave	22539946 370027413	41422330	82909291	158955094	262037942	0.350 6.25	0.625	1.25	2.50	4.38
1,1,2,2-Tetrachloroethane	Lin	6155083 85334881	8713636	16756993	35630119	61354532	0.173 3.08	0.308	0.616	1.23	2.16

Curve Type Legend:

Ave = Average by Height
Lin = Linear by Height

FORM VI
GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 652600

SDG No.:

Instrument ID: 19853 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 08:21 Calibration End Date: 06/04/2025 09:45 Calibration ID: 73301

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652600/4	16EDBW25155001.0004.D
Level 2	IC 410-652600/5	16EDBW25155001.0005.D
Level 3	IC 410-652600/6	16EDBW25155001.0006.D
Level 4	ICRT 410-652600/7	16EDBW25155001.0007.D
Level 5	IC 410-652600/8	16EDBW25155001.0008.D
Level 6	IC 410-652600/9	16EDBW25155001.0009.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,1,2,2-Tetrachloroethane	13.4	-6.5	-6.1	2.3	1.5	-0.8	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0004.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Jun-2025 08:21:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:30:39 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

First Level Reviewer: URS0 Date: 05-Jun-2025 06:28:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.612	3.613	-0.001	8563688H	0.3518	0.3509	
2	4.328	4.330	-0.002	10884062H	0.3518	0.3770	
						RPD = 7.18	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	6155083H	0.1726	0.1956	
2	6.015	6.017	-0.002	7325929H	0.1726	0.1862	
						RPD = 4.94	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.043	0.000	22539946H	0.3500	0.3562	
2	8.853	8.853	0.000	25270732H	0.3500	0.3818	
						RPD = 6.93	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCS_EDB1_00029 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:30:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0004.D

Injection Date: 04-Jun-2025 08:21:00 Instrument ID: 19853

Lims ID: ic

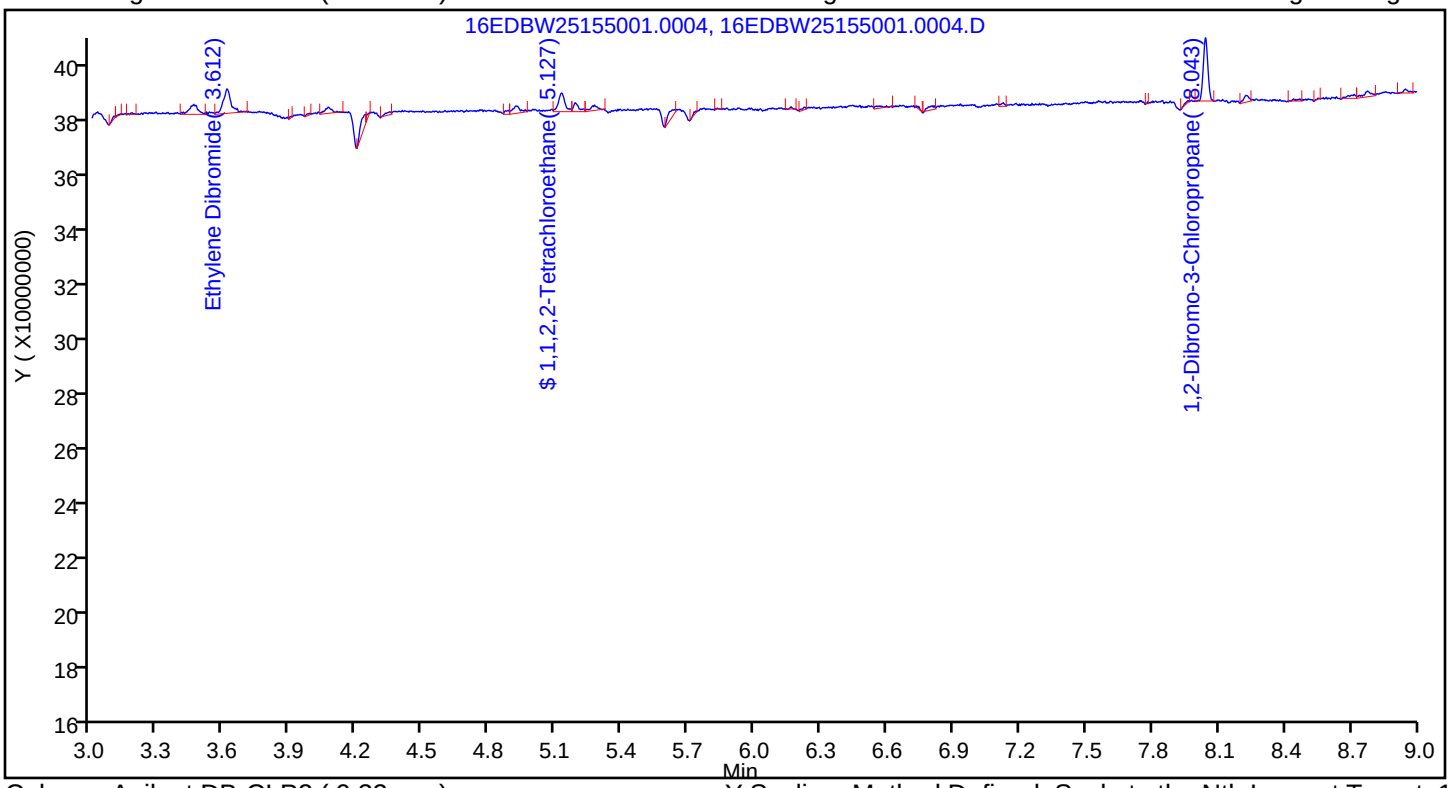
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 4

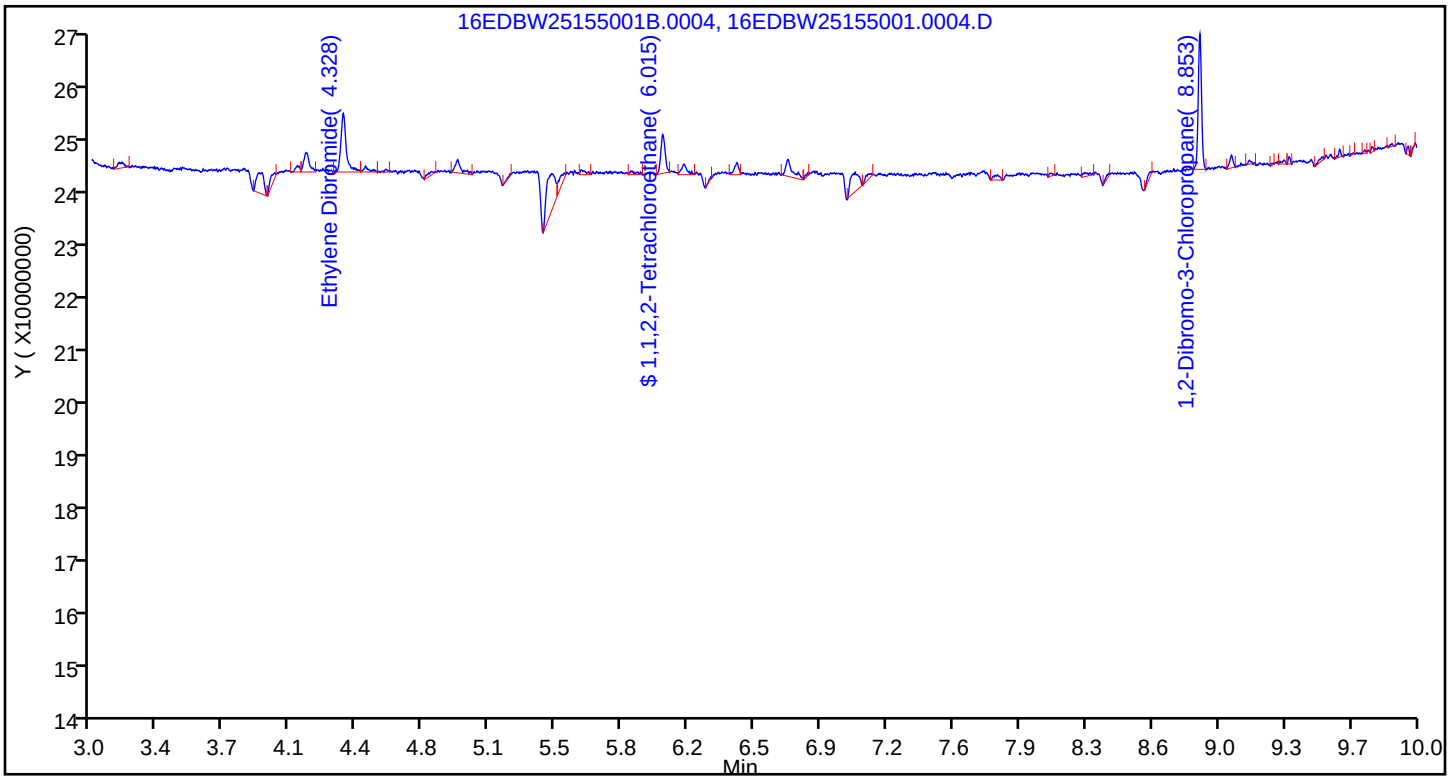
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0005.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Jun-2025 08:38:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:30:41 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.615	3.613	0.002	14779605H	0.6281	0.6056	
2	4.328	4.330	-0.002	18684264H	0.6281	0.6472	
						RPD = 6.65	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	8713636H	0.3081	0.2880	
2	6.017	6.017	0.000	9730865H	0.3081	0.2704	
						RPD = 6.34	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.043	0.000	41422330H	0.6250	0.6546	
2	8.853	8.853	0.000	43730278H	0.6250	0.6607	
						RPD = 0.92	

Reagents:

GCS_EDB2_00029 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:30:42 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0005.D

Injection Date: 04-Jun-2025 08:38:00 Instrument ID: 19853

Lims ID: ic

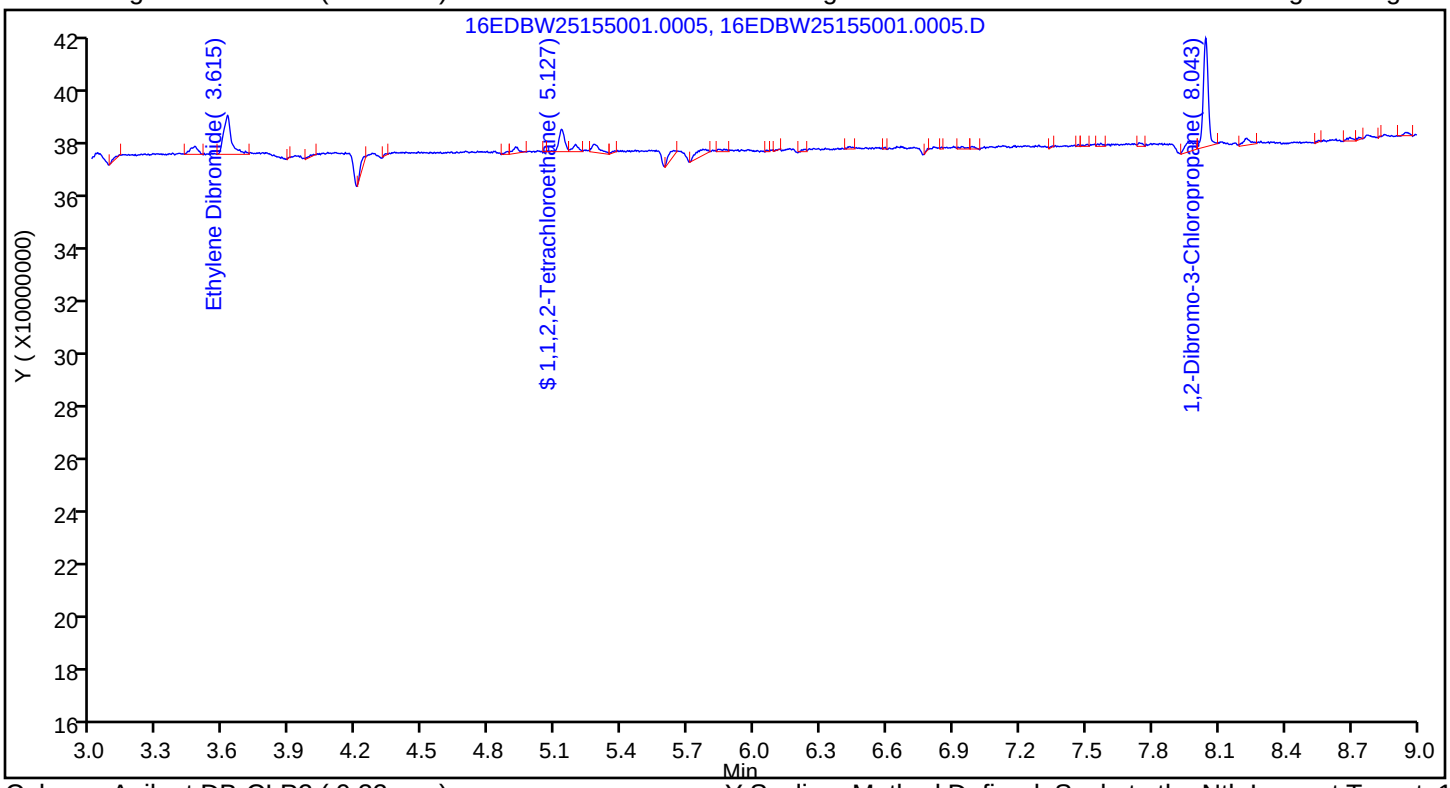
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 5

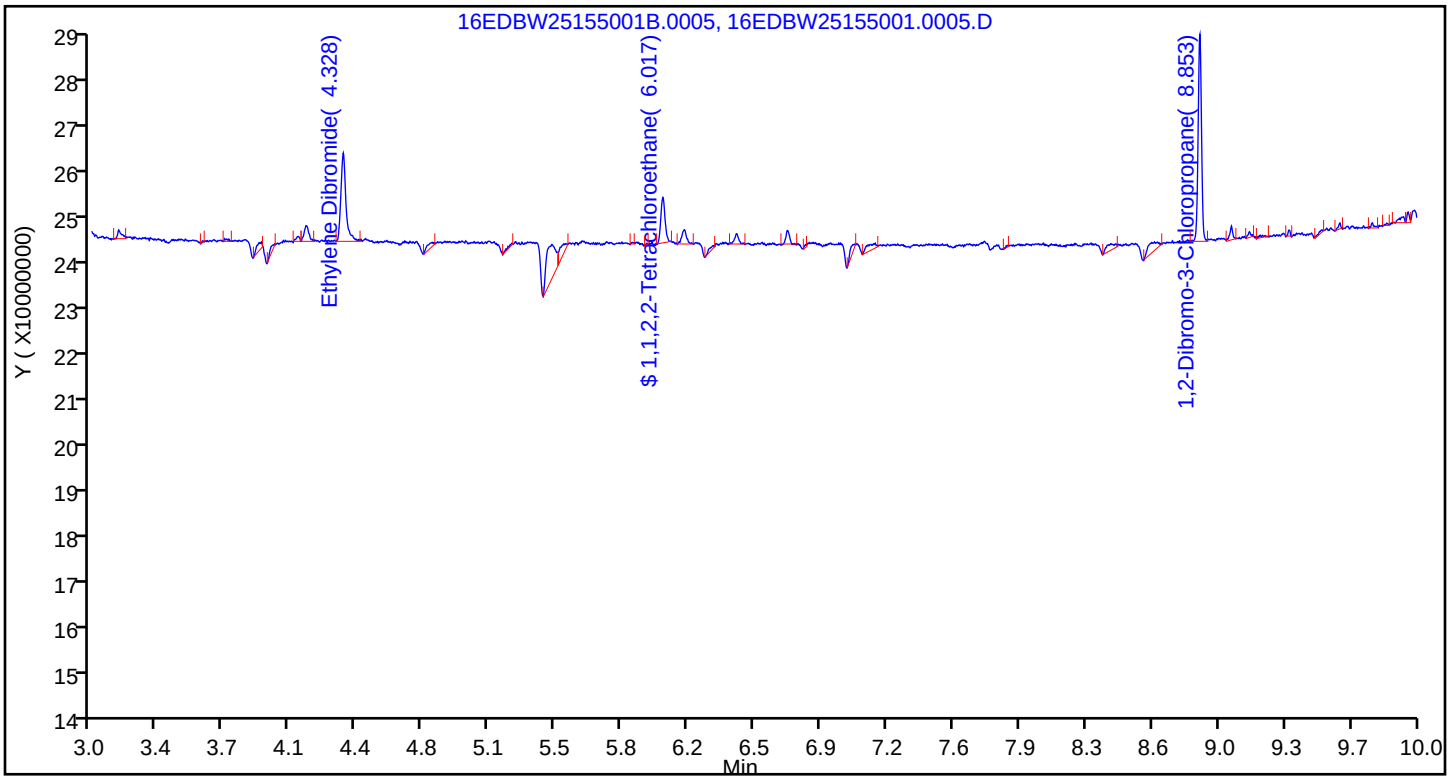
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0006.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Jun-2025 08:55:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:30:44 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.615	3.615	0.000	30320024H	1.26	1.24	
2	4.330	4.330	0.000	36249829H	1.26	1.26	
						RPD = 1.07	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.128	5.128	0.000	16756993H	0.6163	0.5786	
2	6.017	6.017	0.000	19274987H	0.6163	0.6044	
						RPD = 4.36	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.043	0.000	82909291H	1.25	1.31	
2	8.853	8.853	0.000	82371594H	1.25	1.24	
						RPD = 5.15	

Reagents:

GCS_EDB3_00033 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:30:45 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0006.D

Injection Date: 04-Jun-2025 08:55:00 Instrument ID: 19853

Lims ID: ic

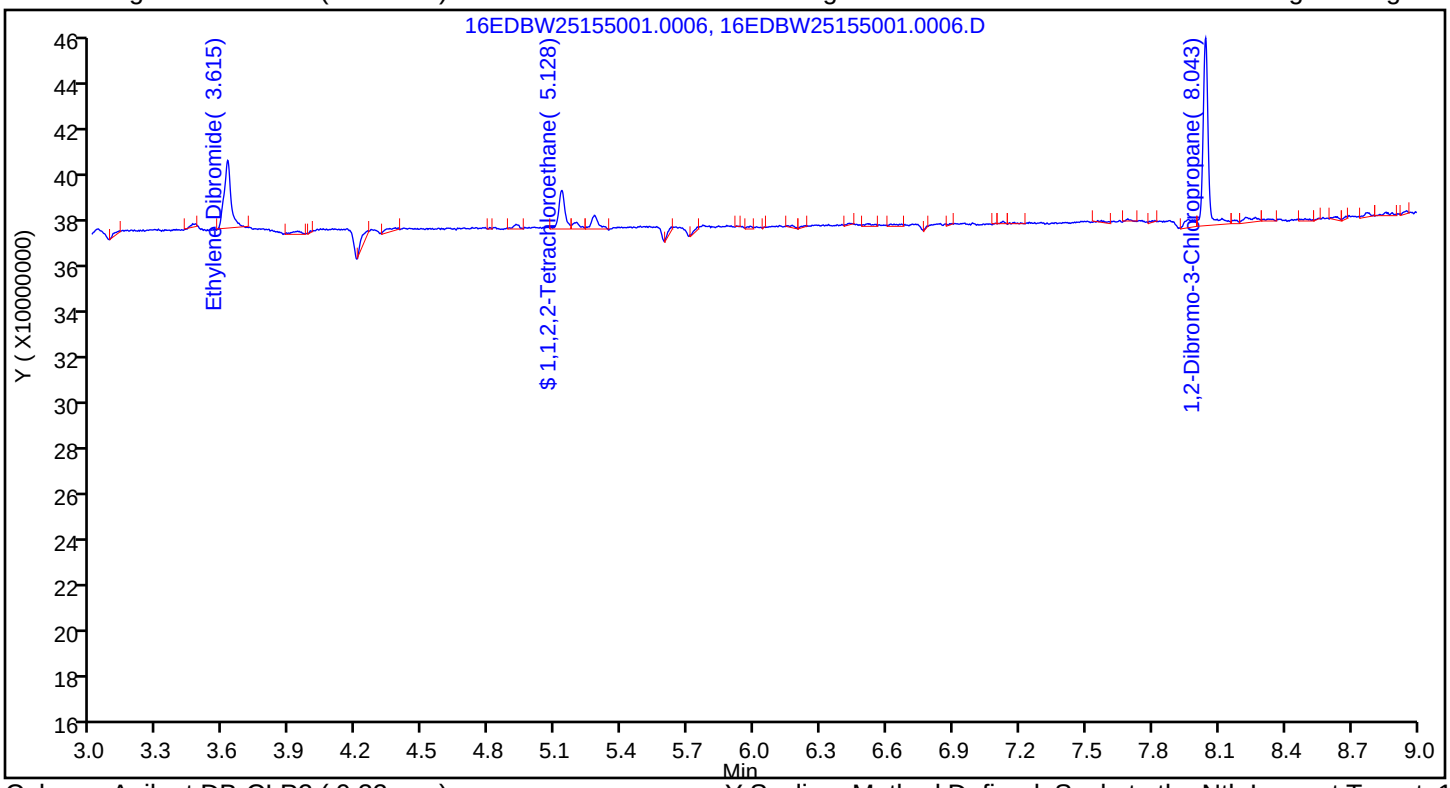
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 6

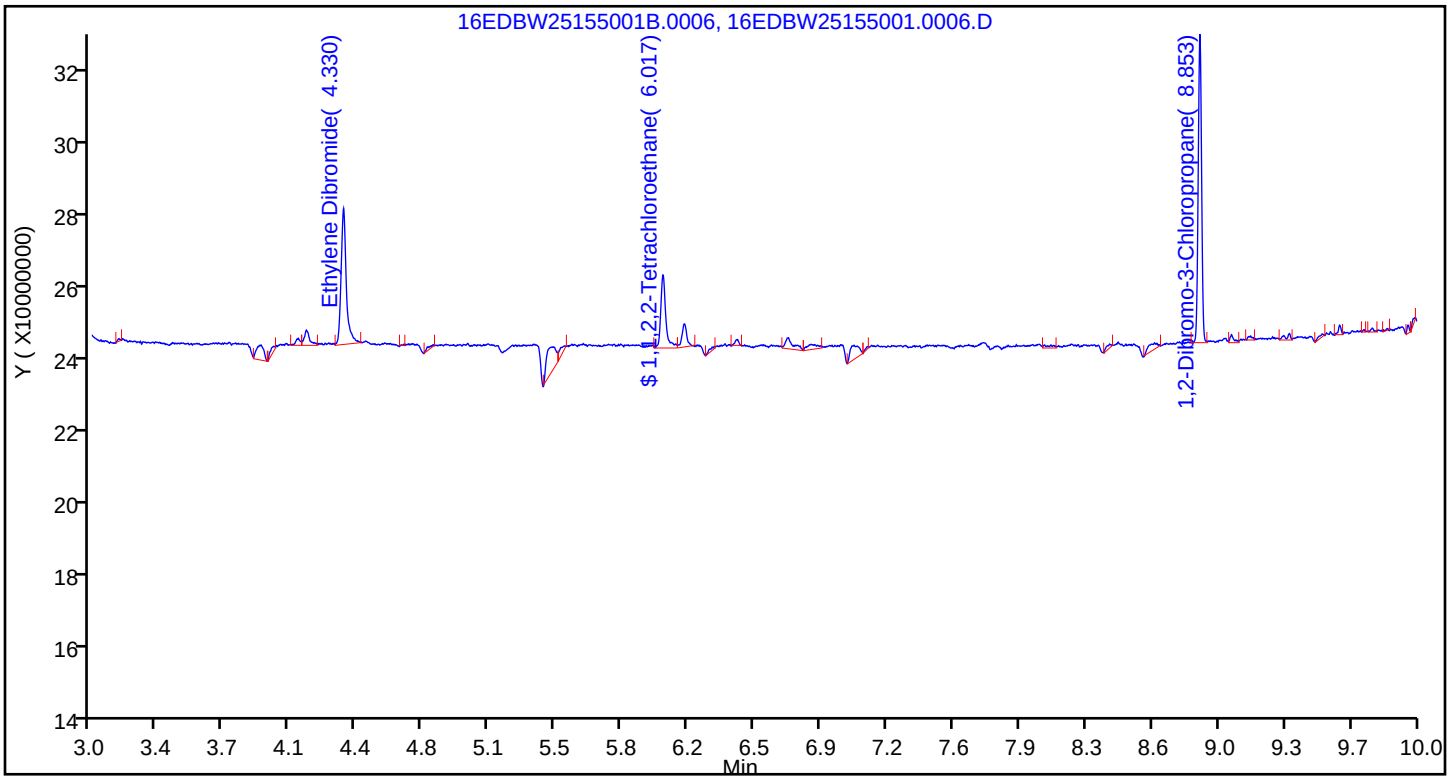
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0007.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 04-Jun-2025 09:11:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:30:47 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.613	3.613	0.000	65743285H	2.51	2.69	
2	4.330	4.330	0.000	74037488H	2.51	2.56	
						RPD = 4.91	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	35630119H	1.23	1.26	
2	6.017	6.017	0.000	38021638H	1.23	1.26	
						RPD = 0.01	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.043	0.000	158955094H	2.50	2.51	
2	8.853	8.853	0.000	161716364H	2.50	2.44	
						RPD = 2.78	

Reagents:

GCS_EDB4_00055 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:30:47 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0007.D

Injection Date: 04-Jun-2025 09:11:00 Instrument ID: 19853

Lims ID: icrt

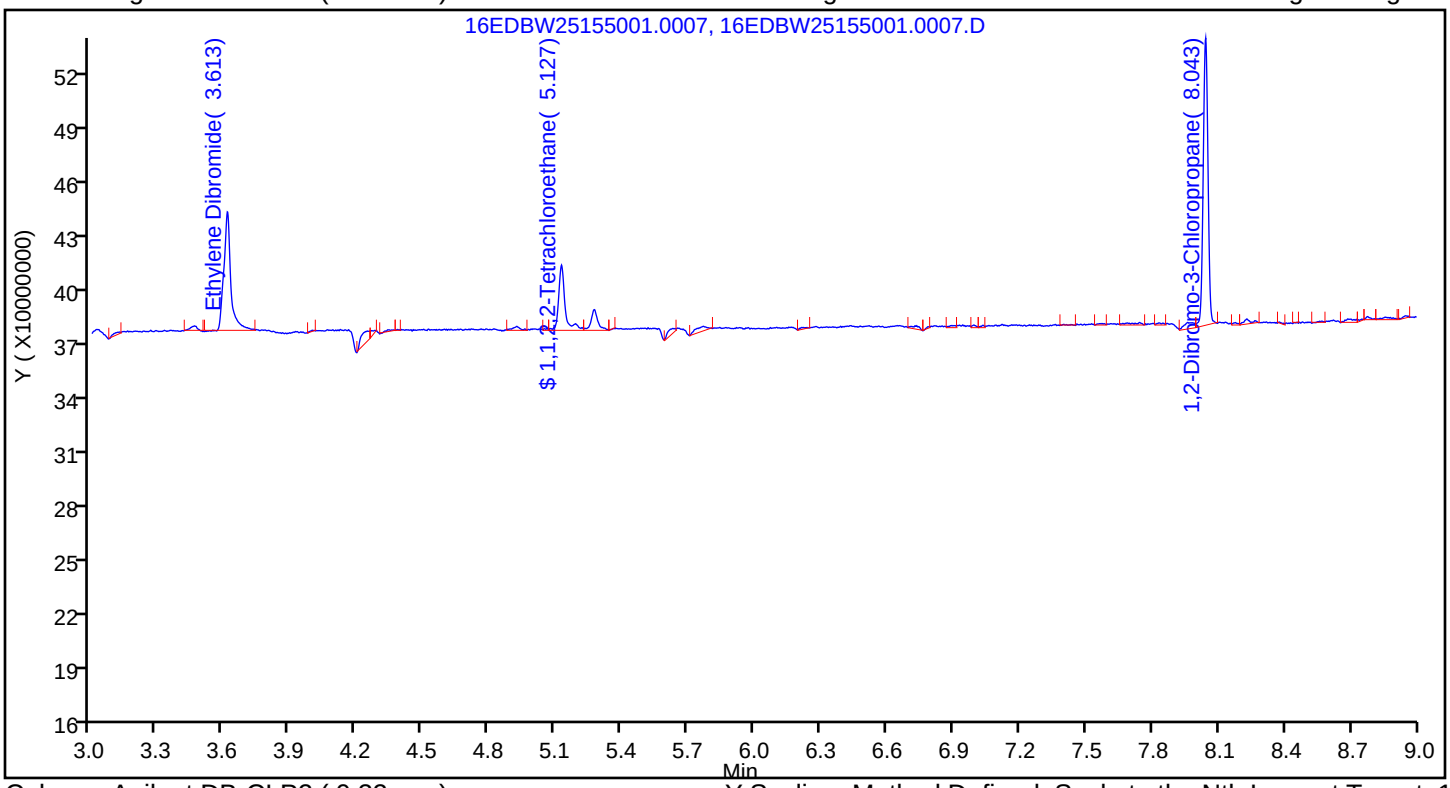
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 7

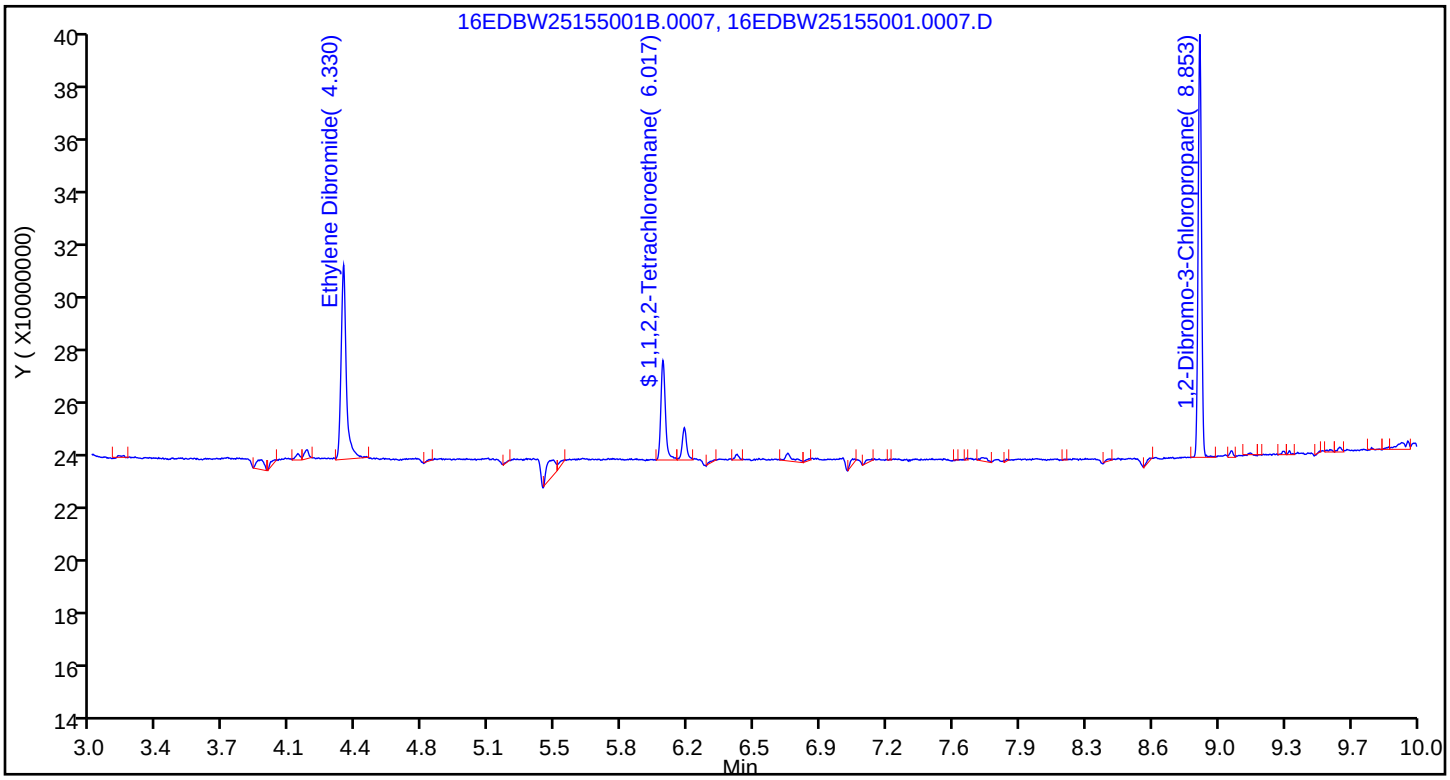
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0008.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Jun-2025 09:28:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:30:49 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.615	3.613	0.002	110090268H	4.40	4.51	
2	4.330	4.330	0.000	123134331H	4.40	4.27	
						RPD = 5.60	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.128	5.127	0.001	61354532H	2.16	2.19	
2	6.017	6.017	0.000	64961216H	2.16	2.20	
						RPD = 0.63	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.043	0.000	262037942H	4.38	4.14	
2	8.853	8.853	0.000	275536004H	4.38	4.16	
						RPD = 0.52	

Reagents:

GCS_EDB5_00032 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:30:50 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0008.D

Injection Date: 04-Jun-2025 09:28:00 Instrument ID: 19853

Lims ID: ic

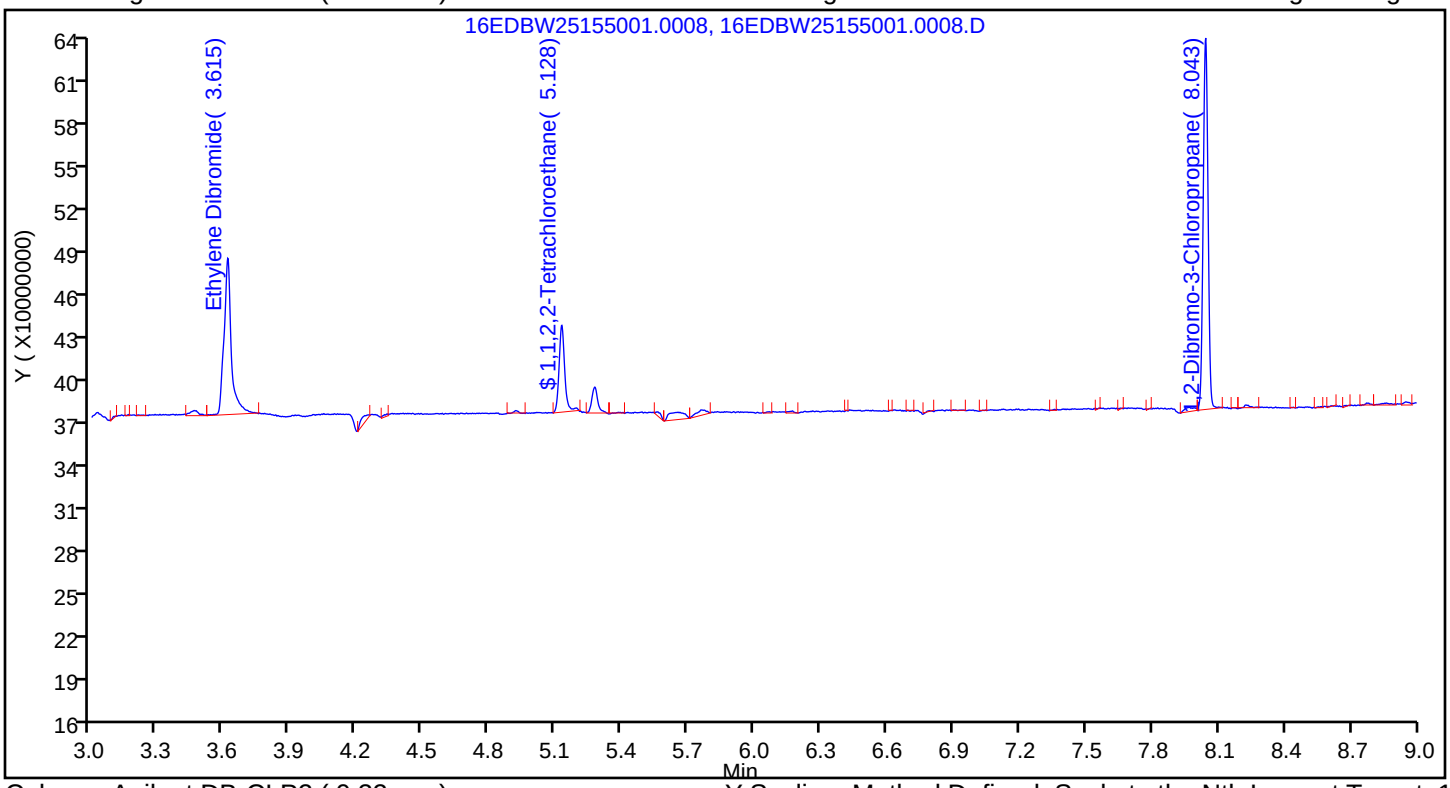
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 8

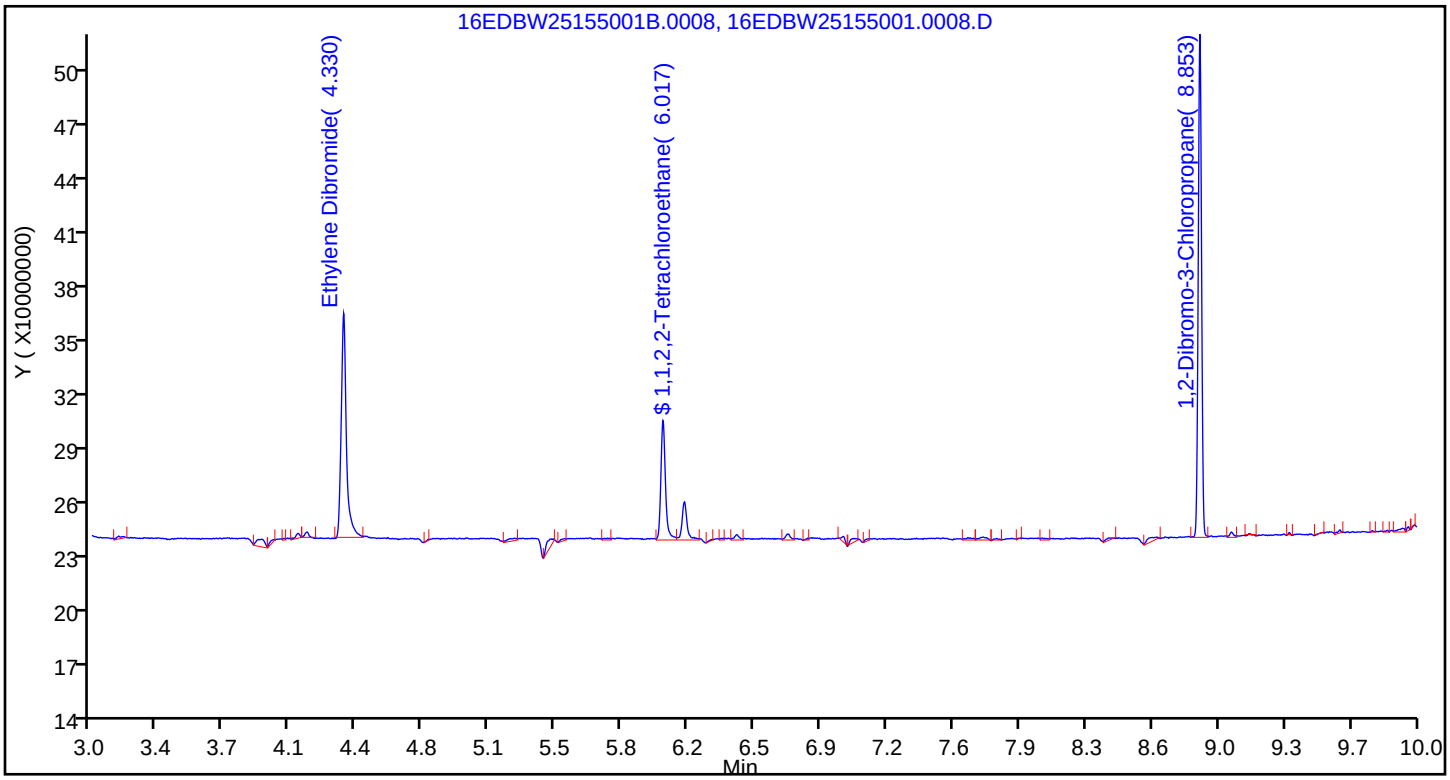
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-Jun-2025 09:45:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:30:52 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.612	3.613	-0.001	145864339H	6.28	5.98	
2	4.328	4.330	-0.002	164584543H	6.28	5.70	
						RPD = 4.72	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.125	5.127	-0.002	85334881H	3.08	3.06	
2	6.017	6.017	0.000	88961694H	3.08	3.04	
						RPD = 0.41	
3 1,2-Dibromo-3-Chloropropane							
1	8.042	8.043	-0.001	370027413H	6.25	5.85	
2	8.853	8.853	0.000	383880886H	6.25	5.80	
						RPD = 0.82	

Reagents:

GCS_EDB6_00029 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:30:53 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Injection Date: 04-Jun-2025 09:45:00 Instrument ID: 19853

Lims ID: ic

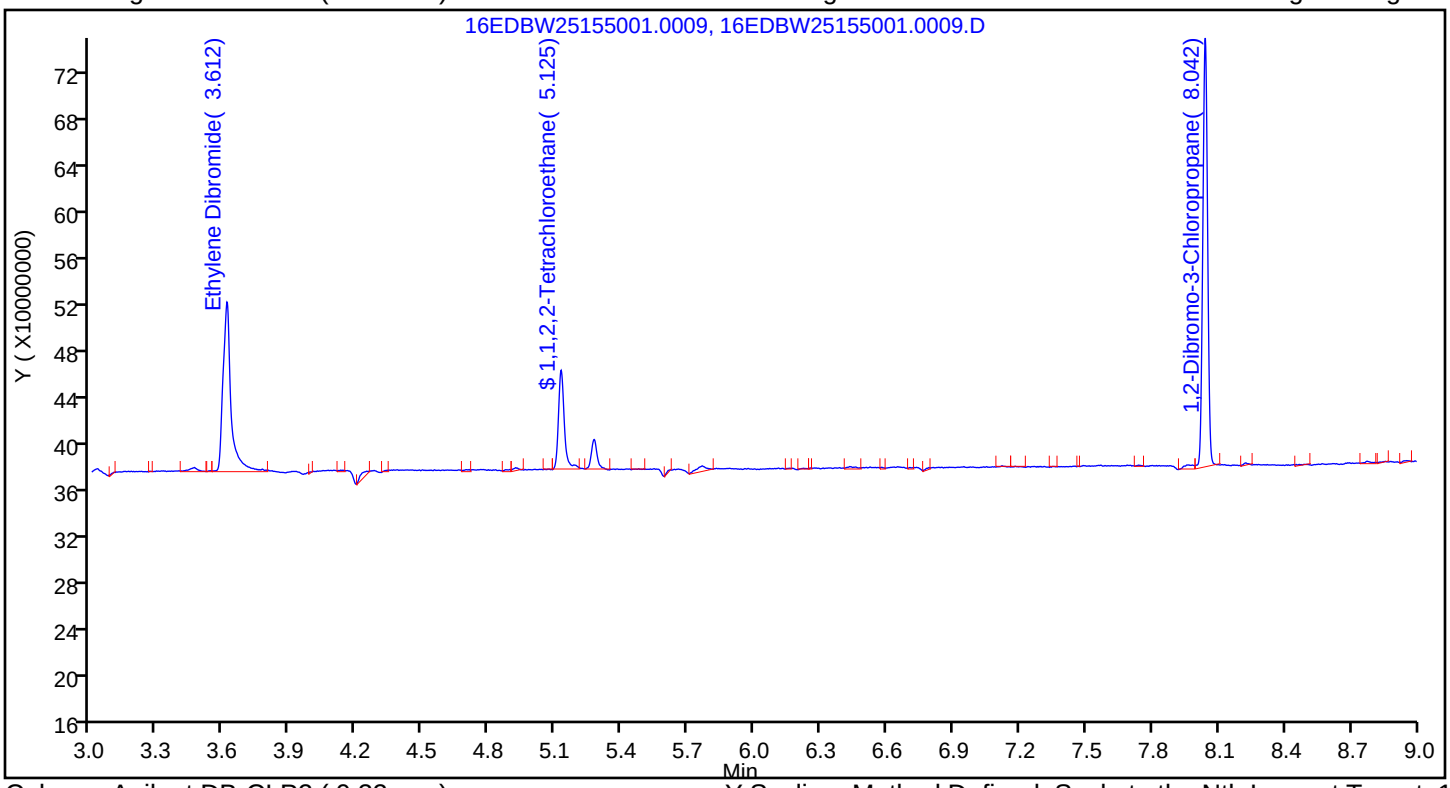
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 9

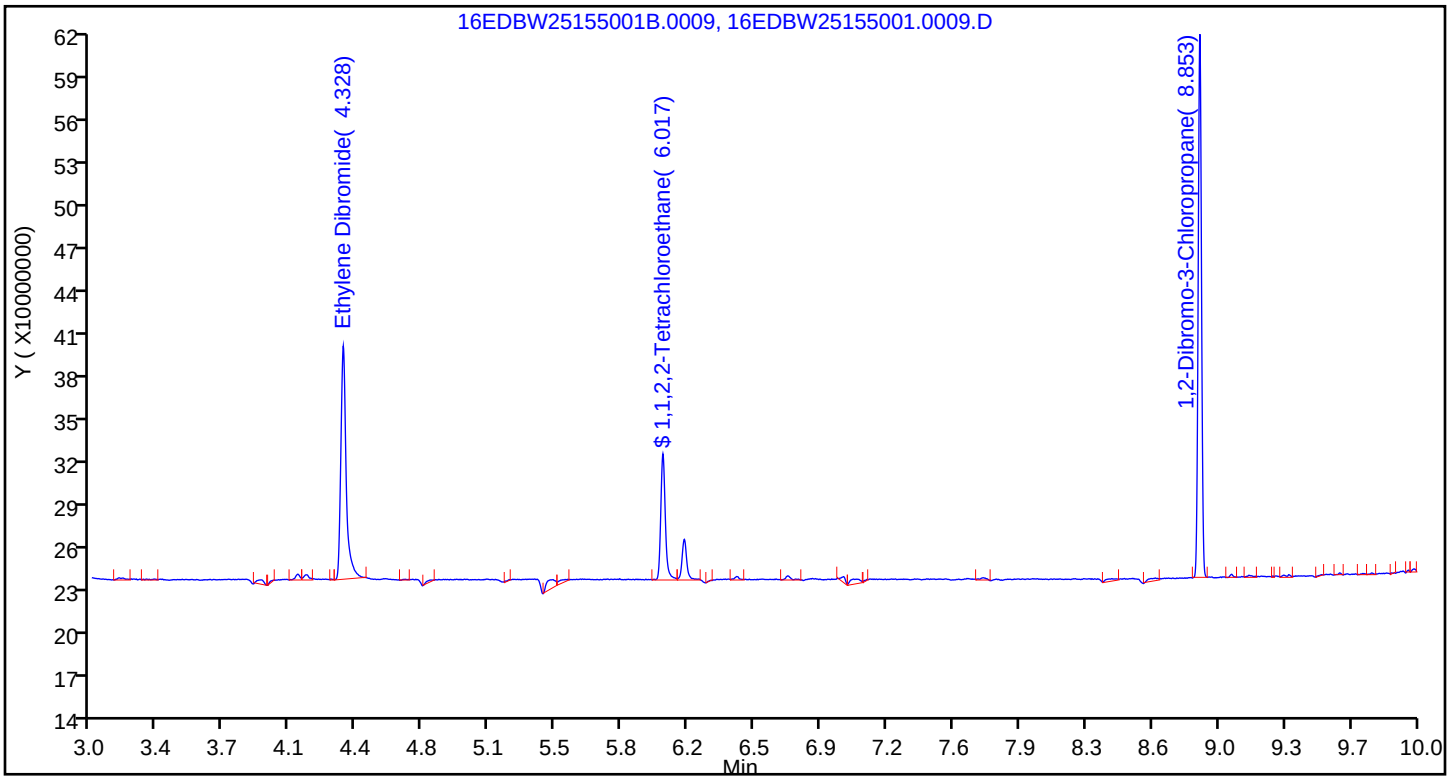
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

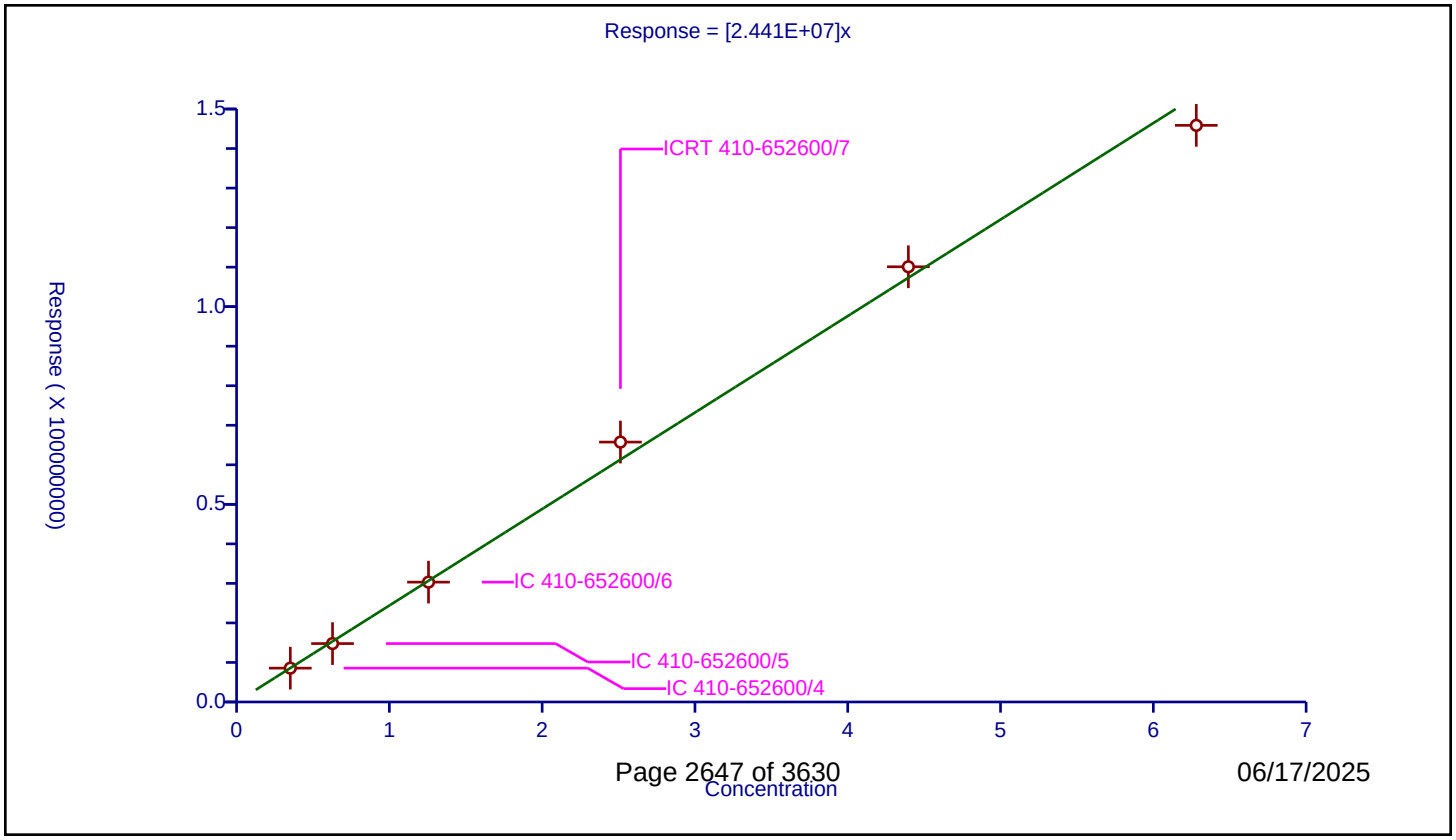
Curve Coefficients

Intercept:	0
Slope:	2.441E+07

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-652600/4	0.35175	8563688.0			24345950.248756	Y
2	IC 410-652600/5	0.628125	14779605.0			23529719.402985	Y
3	IC 410-652600/6	1.25625	30320024.0			24135342.487562	Y
4	ICRT 410-652600/7	2.5125	65743285.0			26166481.59204	Y
5	IC 410-652600/8	4.396875	110090268.0			25038298.336887	Y
6	IC 410-652600/9	6.28125	145864339.0			23222183.323383	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

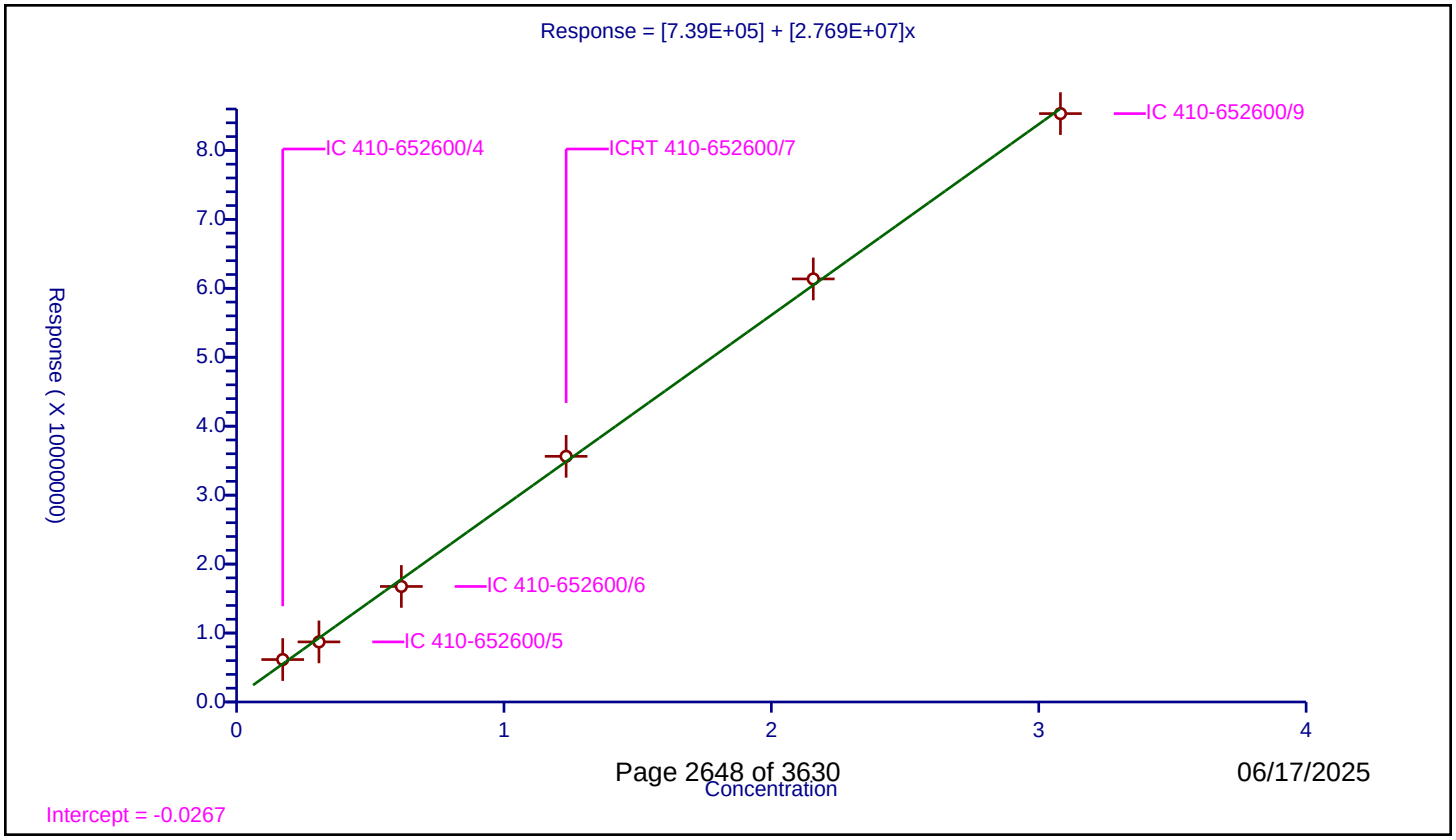
Curve Coefficients

Intercept:	7.39E+05
Slope:	2.769E+07

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-652600/4	0.17255	6155083.0			35671301.072153	Y
2	IC 410-652600/5	0.308125	8713636.0			28279548.884381	Y
3	IC 410-652600/6	0.61625	16756993.0			27191875.05071	Y
4	ICRT 410-652600/7	1.2325	35630119.0			28908818.661258	Y
5	IC 410-652600/8	2.156875	61354532.0			28446030.483918	Y
6	IC 410-652600/9	3.08125	85334881.0			27694890.385396	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

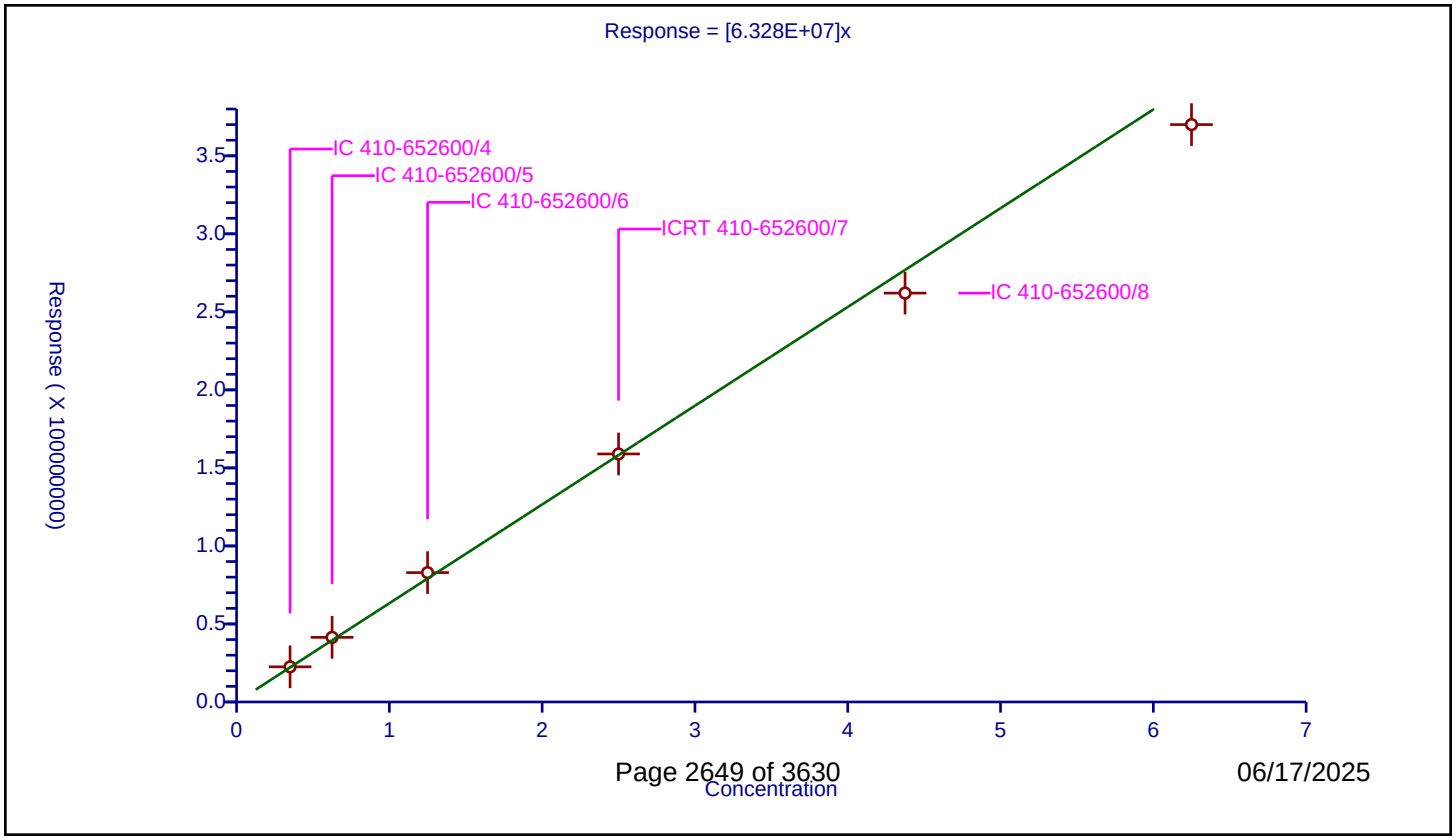
Curve Coefficients

Intercept:	0
Slope:	6.328E+07

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-652600/4	0.35	22539946.0			64399845.714286	Y
2	IC 410-652600/5	0.625	41422330.0			66275728.0	Y
3	IC 410-652600/6	1.25	82909291.0			66327432.8	Y
4	ICRT 410-652600/7	2.5	158955094.0			63582037.6	Y
5	IC 410-652600/8	4.375	262037942.0			59894386.742857	Y
6	IC 410-652600/9	6.25	370027413.0			59204386.08	Y



FORM VI

GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 652600

SDG No.:

Instrument ID: 19853 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 08:21 Calibration End Date: 06/04/2025 09:45 Calibration ID: 73302

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652600/4	16EDBW25155001.0004.D
Level 2	IC 410-652600/5	16EDBW25155001.0005.D
Level 3	IC 410-652600/6	16EDBW25155001.0006.D
Level 4	ICRT 410-652600/7	16EDBW25155001.0007.D
Level 5	IC 410-652600/8	16EDBW25155001.0008.D
Level 6	IC 410-652600/9	16EDBW25155001.0009.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Ethylene Dibromide	4.328	4.328	4.330	4.330	4.330	4.328					4.300 - 4.360	4.329
1,2-Dibromo-3-Chloropropane	8.853	8.853	8.853	8.853	8.853	8.853					8.823 - 8.883	8.853
1,1,2,2-Tetrachloroethane	6.015	6.017	6.017	6.017	6.017	6.017					5.987 - 6.047	6.017

FORM VI
GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 652600

SDG No.:

Instrument ID: 19853 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 08:21 Calibration End Date: 06/04/2025 09:45 Calibration ID: 73302

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652600/4	16EDBW25155001.0004.D
Level 2	IC 410-652600/5	16EDBW25155001.0005.D
Level 3	IC 410-652600/6	16EDBW25155001.0006.D
Level 4	ICRT 410-652600/7	16EDBW25155001.0007.D
Level 5	IC 410-652600/8	16EDBW25155001.0008.D
Level 6	IC 410-652600/9	16EDBW25155001.0009.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Ethylene Dibromide	30942607 28004965	29746092 26202514	28855585	29467657	Ave		28869903.4				5.6		10.0			
1,2-Dibromo-3-Chloropropane	72202091 62979658	69968445 61420942	65897275	64686546	Ave		66192492.8				6.3		10.0			
1,1,2,2-Tetrachloroethane	42456847 30118211	31580901 28871949	31277869	30849199	Lin	2005450.52	28575116.9							0.9990		0.9900

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 652600

SDG No.:

Instrument ID: 19853 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 08:21 Calibration End Date: 06/04/2025 09:45 Calibration ID: 73302

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652600/4	16EDBW25155001.0004.D
Level 2	IC 410-652600/5	16EDBW25155001.0005.D
Level 3	IC 410-652600/6	16EDBW25155001.0006.D
Level 4	ICRT 410-652600/7	16EDBW25155001.0007.D
Level 5	IC 410-652600/8	16EDBW25155001.0008.D
Level 6	IC 410-652600/9	16EDBW25155001.0009.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Ethylene Dibromide	Ave	10884062 164584543	18684264	36249829	74037488	123134331	0.352 6.28	0.628	1.26	2.51	4.40
1,2-Dibromo-3-Chloropropane	Ave	25270732 383880886	43730278	82371594	161716364	275536004	0.350 6.25	0.625	1.25	2.50	4.38
1,1,2,2-Tetrachloroethane	Lin	7325929 88961694	9730865	19274987	38021638	64961216	0.173 3.08	0.308	0.616	1.23	2.16

Curve Type Legend:

Ave = Average by Height
Lin = Linear by Height

FORM VI
GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1 Analy Batch No.: 652600

SDG No.:

Instrument ID: 19853 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 08:21 Calibration End Date: 06/04/2025 09:45 Calibration ID: 73302

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652600/4	16EDBW25155001.0004.D
Level 2	IC 410-652600/5	16EDBW25155001.0005.D
Level 3	IC 410-652600/6	16EDBW25155001.0006.D
Level 4	ICRT 410-652600/7	16EDBW25155001.0007.D
Level 5	IC 410-652600/8	16EDBW25155001.0008.D
Level 6	IC 410-652600/9	16EDBW25155001.0009.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,1,2,2-Tetrachloroethane	7.9	-12.3	-1.9	2.3	2.1	-1.2	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0004.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Jun-2025 08:21:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:30:39 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

First Level Reviewer: URS0 Date: 05-Jun-2025 06:28:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.612	3.613	-0.001	8563688H	0.3518	0.3509	
2	4.328	4.330	-0.002	10884062H	0.3518	0.3770	
						RPD = 7.18	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	6155083H	0.1726	0.1956	
2	6.015	6.017	-0.002	7325929H	0.1726	0.1862	
						RPD = 4.94	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.043	0.000	22539946H	0.3500	0.3562	
2	8.853	8.853	0.000	25270732H	0.3500	0.3818	
						RPD = 6.93	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCS_EDB1_00029 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:30:39 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0004.D

Injection Date: 04-Jun-2025 08:21:00 Instrument ID: 19853

Lims ID: ic

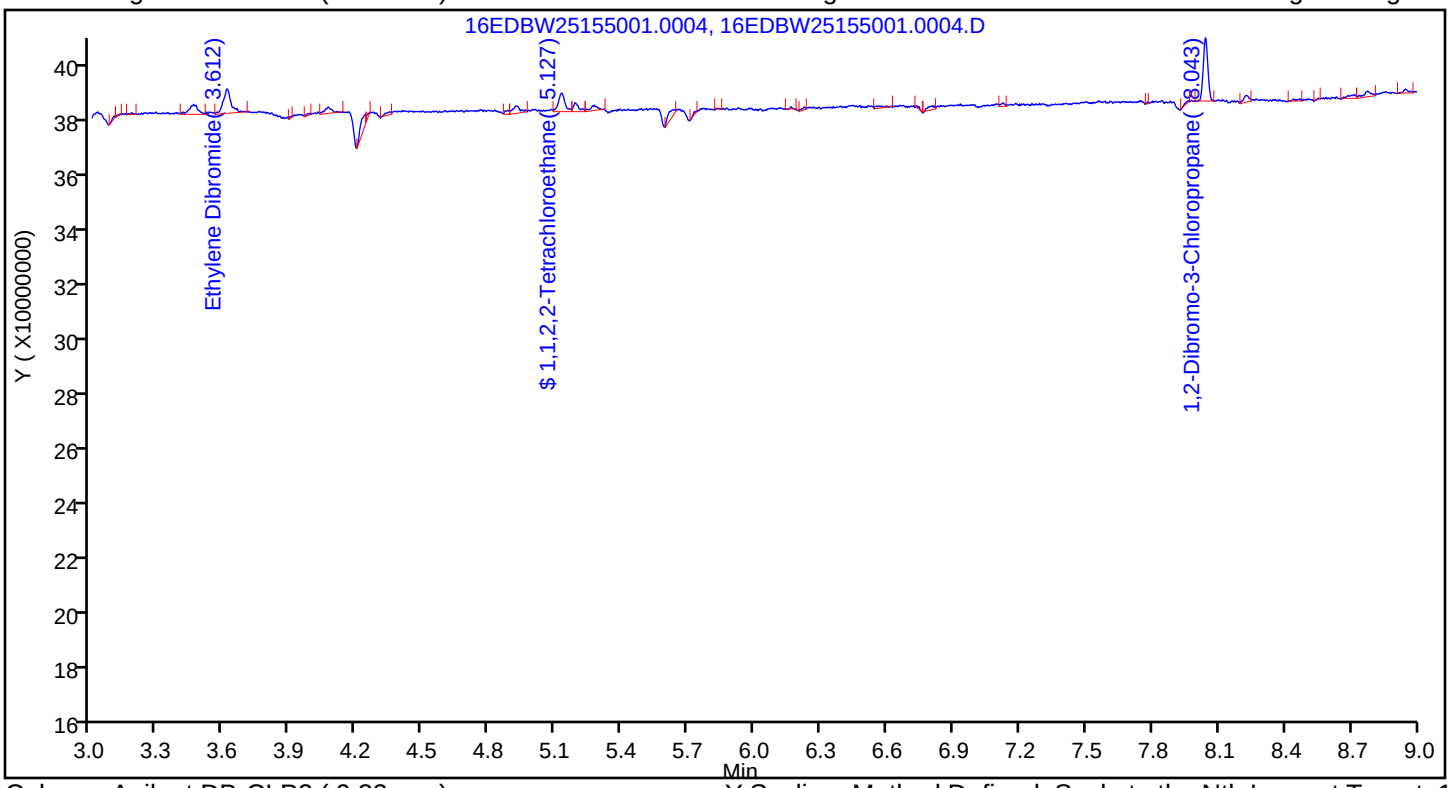
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 4

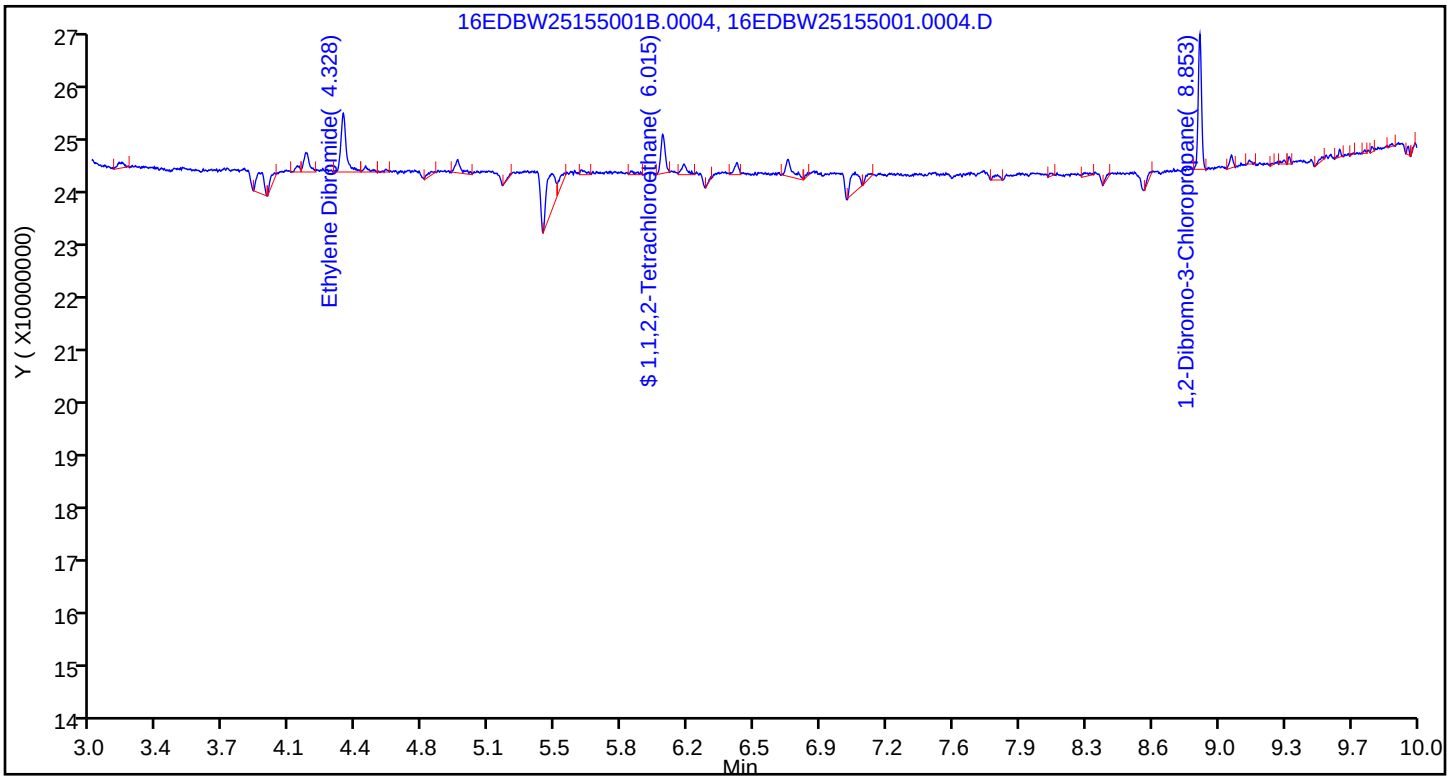
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0005.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Jun-2025 08:38:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:30:41 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.615	3.613	0.002	14779605H	0.6281	0.6056	
2	4.328	4.330	-0.002	18684264H	0.6281	0.6472	
						RPD = 6.65	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	8713636H	0.3081	0.2880	
2	6.017	6.017	0.000	9730865H	0.3081	0.2704	
						RPD = 6.34	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.043	0.000	41422330H	0.6250	0.6546	
2	8.853	8.853	0.000	43730278H	0.6250	0.6607	
						RPD = 0.92	

Reagents:

GCS_EDB2_00029 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:30:42 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0005.D

Injection Date: 04-Jun-2025 08:38:00 Instrument ID: 19853

Lims ID: ic

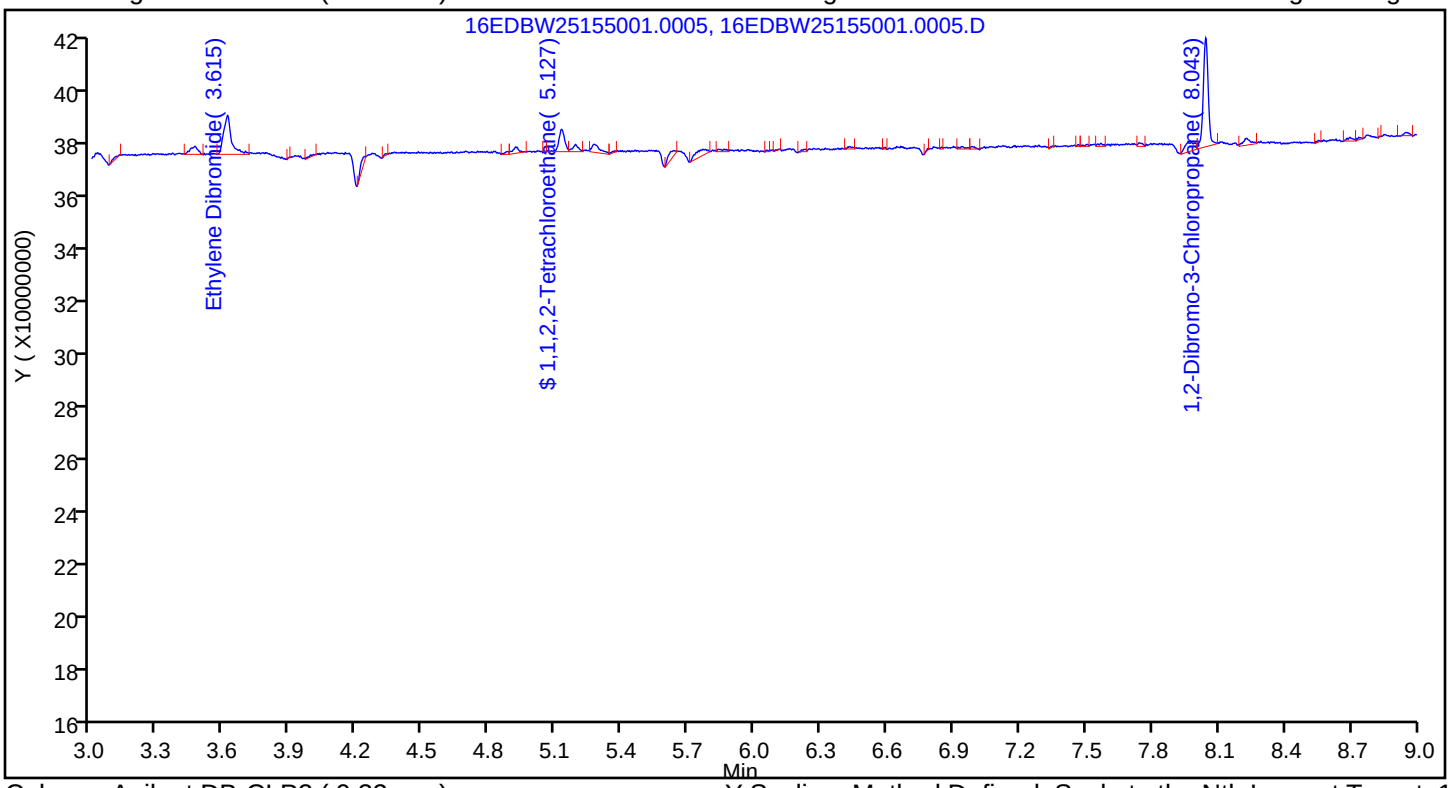
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 5

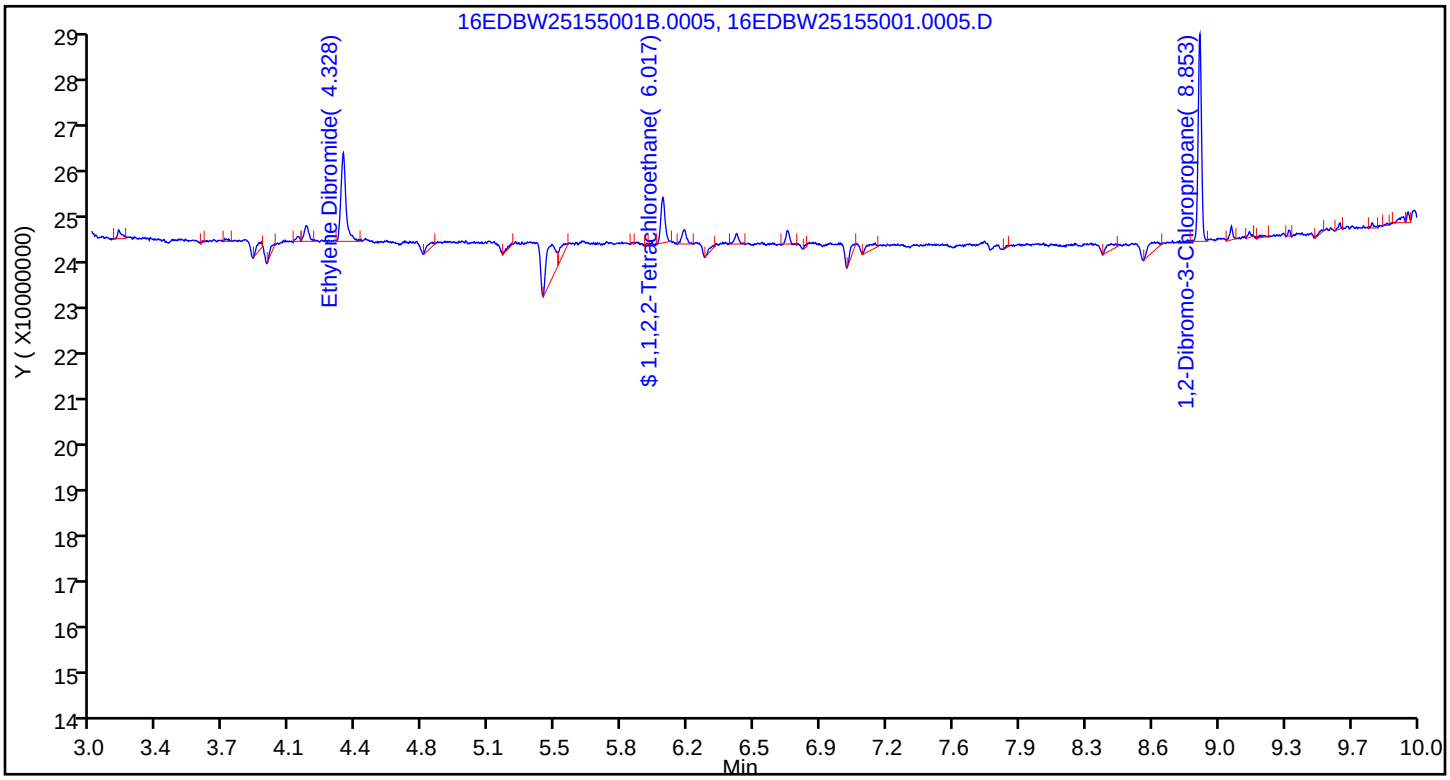
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0006.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Jun-2025 08:55:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:30:44 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.615	3.615	0.000	30320024H	1.26	1.24	
2	4.330	4.330	0.000	36249829H	1.26	1.26	
						RPD = 1.07	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.128	5.128	0.000	16756993H	0.6163	0.5786	
2	6.017	6.017	0.000	19274987H	0.6163	0.6044	
						RPD = 4.36	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.043	0.000	82909291H	1.25	1.31	
2	8.853	8.853	0.000	82371594H	1.25	1.24	
						RPD = 5.15	

Reagents:

GCS_EDB3_00033 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:30:45 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0006.D

Injection Date: 04-Jun-2025 08:55:00 Instrument ID: 19853

Lims ID: ic

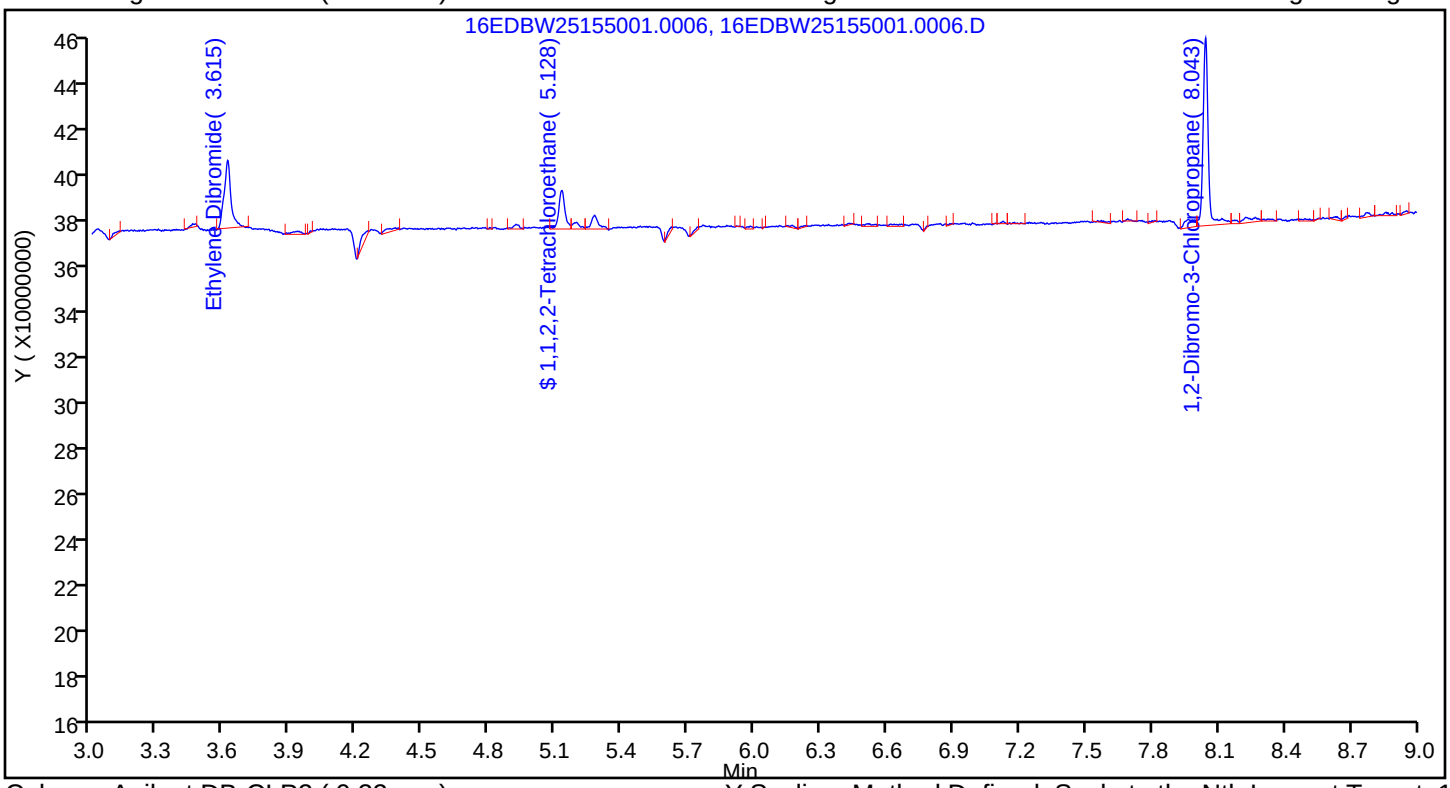
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 6

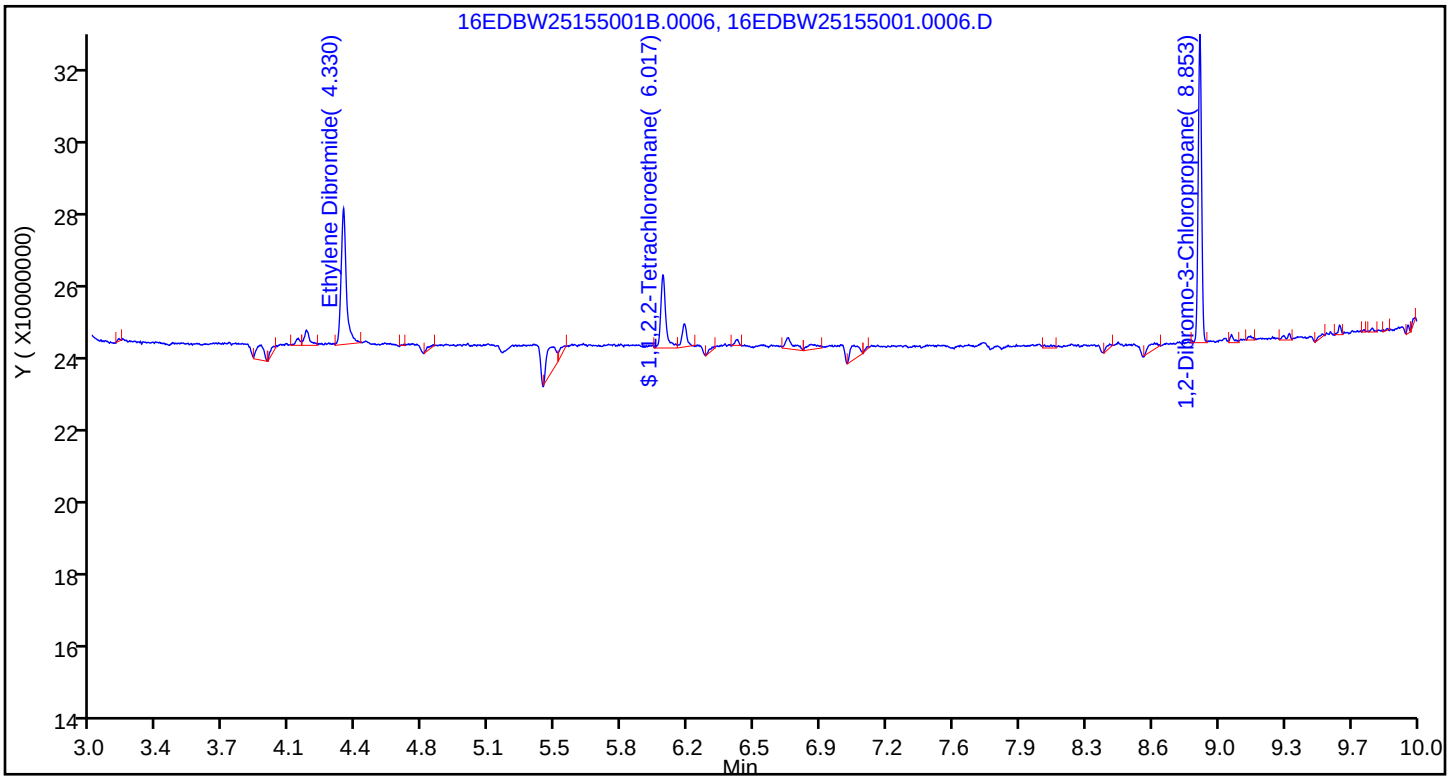
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0007.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 04-Jun-2025 09:11:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:30:47 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.613	3.613	0.000	65743285H	2.51	2.69	
2	4.330	4.330	0.000	74037488H	2.51	2.56	
						RPD = 4.91	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	35630119H	1.23	1.26	
2	6.017	6.017	0.000	38021638H	1.23	1.26	
						RPD = 0.01	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.043	0.000	158955094H	2.50	2.51	
2	8.853	8.853	0.000	161716364H	2.50	2.44	
						RPD = 2.78	

Reagents:

GCS_EDB4_00055 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:30:47 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0007.D

Injection Date: 04-Jun-2025 09:11:00 Instrument ID: 19853

Lims ID: icrt

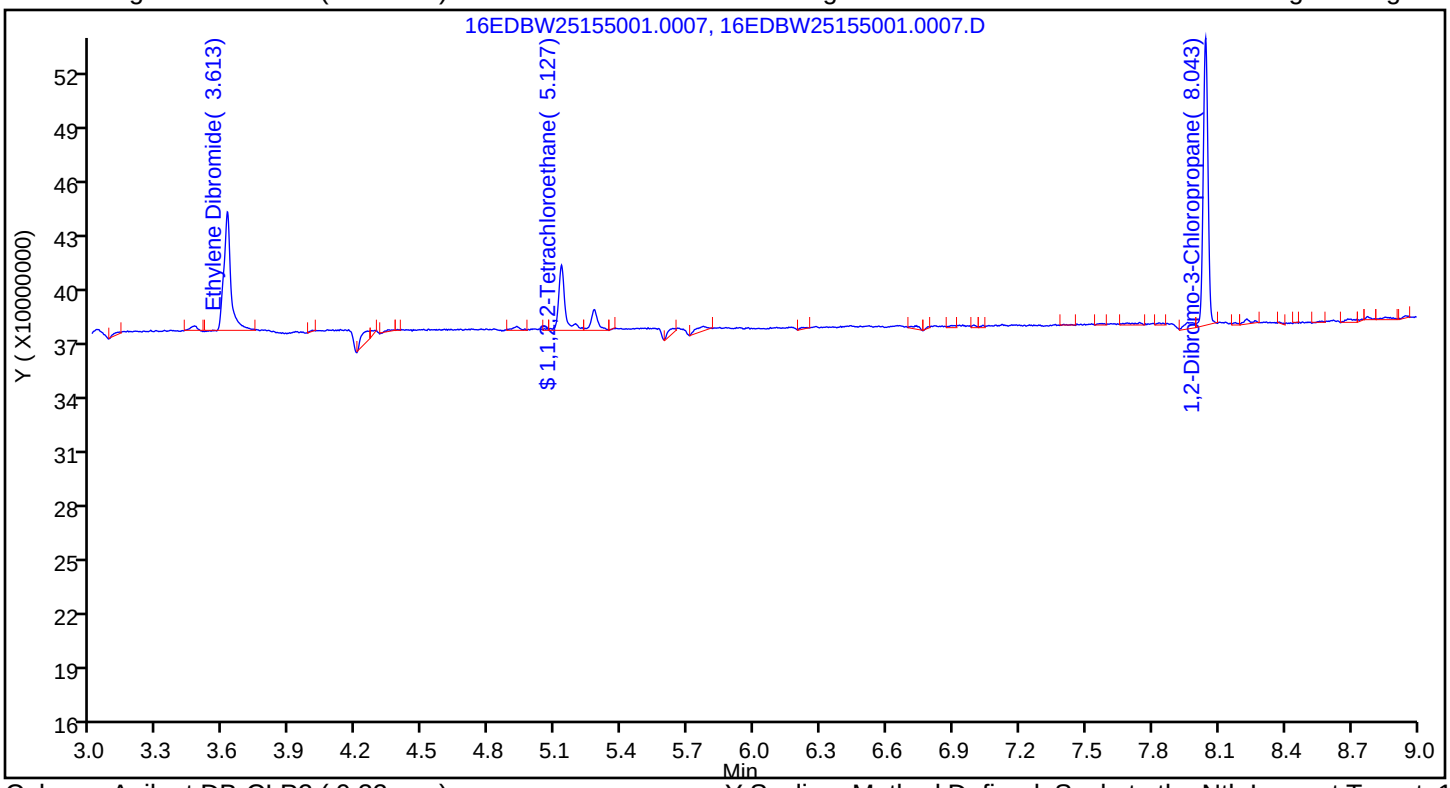
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 7

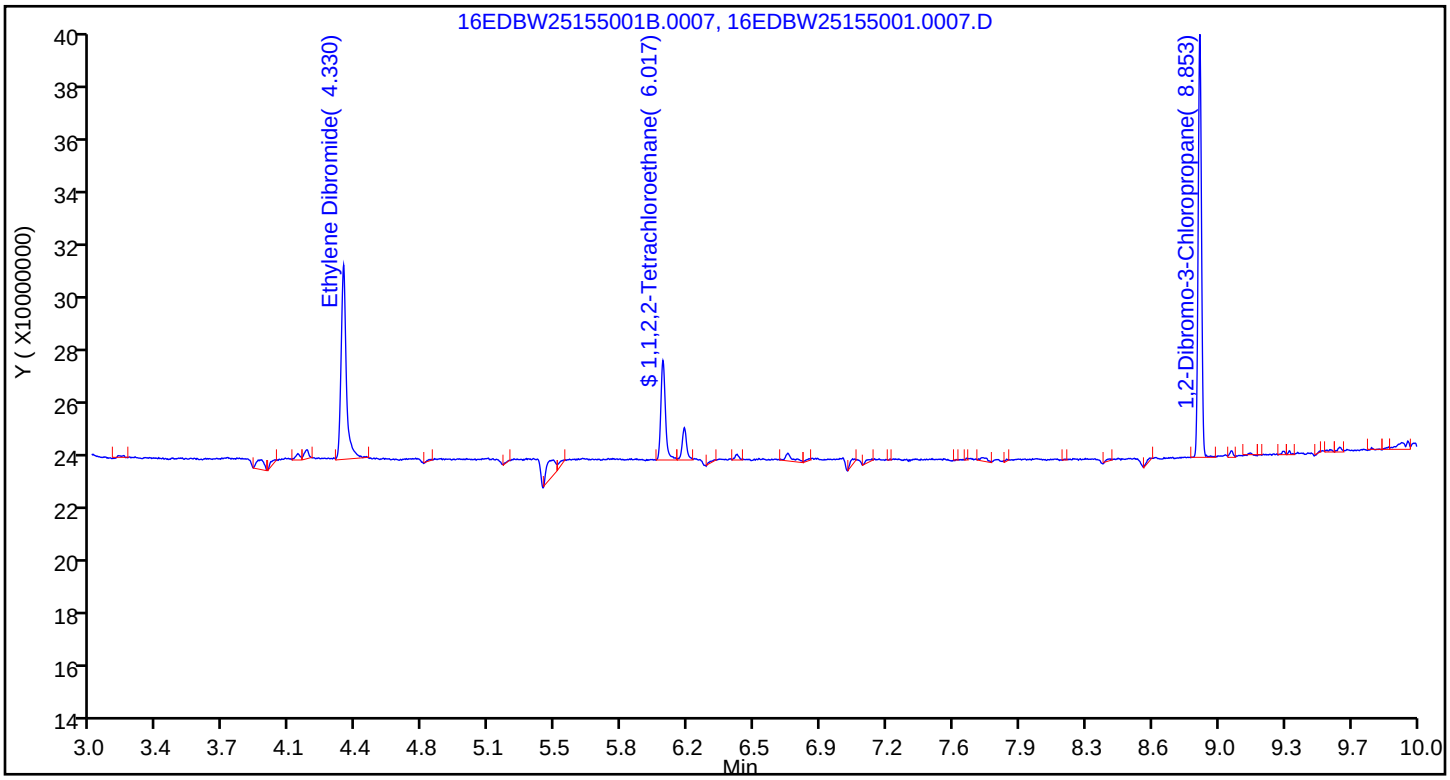
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0008.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Jun-2025 09:28:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:30:49 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.615	3.613	0.002	110090268H	4.40	4.51	
2	4.330	4.330	0.000	123134331H	4.40	4.27	
						RPD = 5.60	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.128	5.127	0.001	61354532H	2.16	2.19	
2	6.017	6.017	0.000	64961216H	2.16	2.20	
						RPD = 0.63	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.043	0.000	262037942H	4.38	4.14	
2	8.853	8.853	0.000	275536004H	4.38	4.16	
						RPD = 0.52	

Reagents:

GCS_EDB5_00032 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:30:50 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0008.D

Injection Date: 04-Jun-2025 09:28:00 Instrument ID: 19853

Lims ID: ic

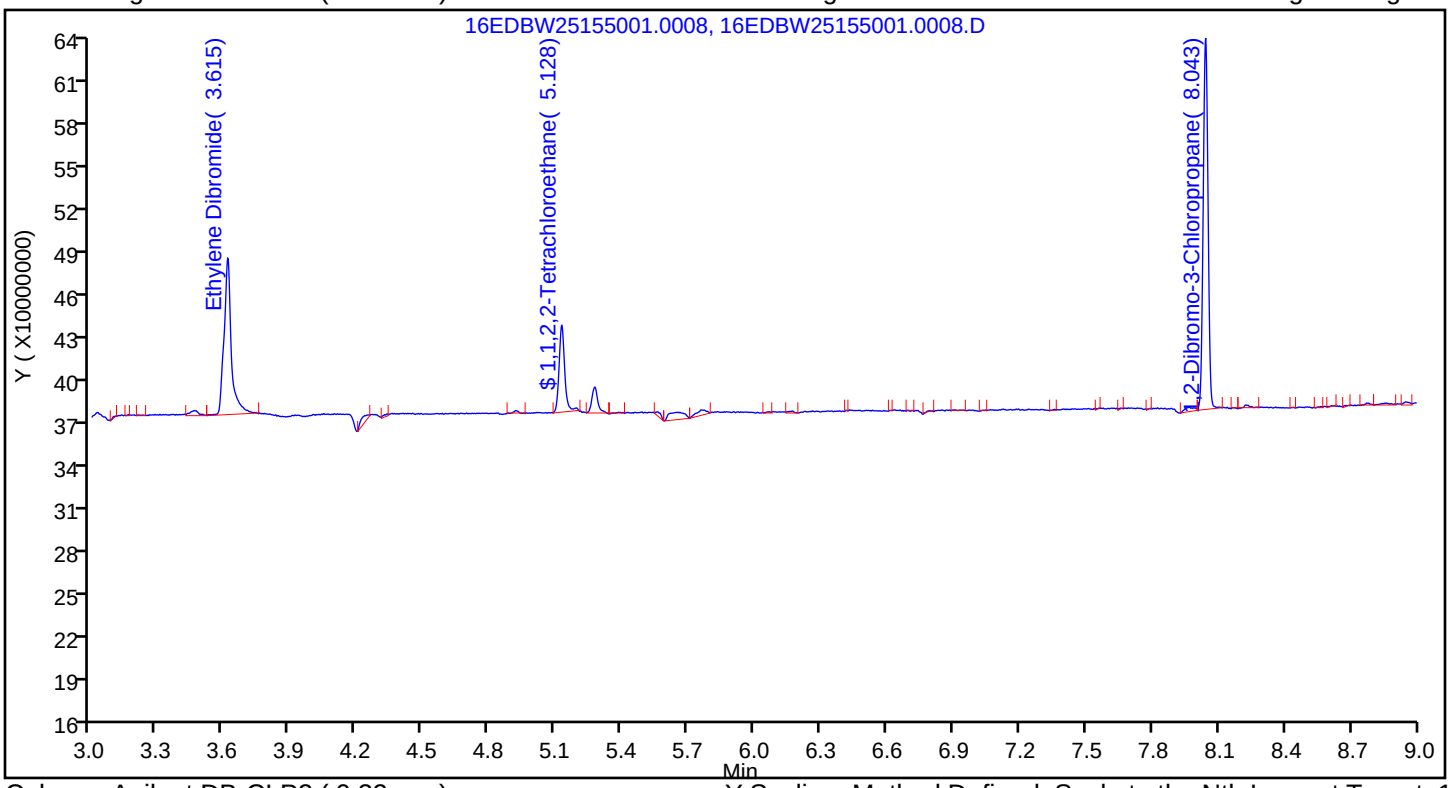
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 8

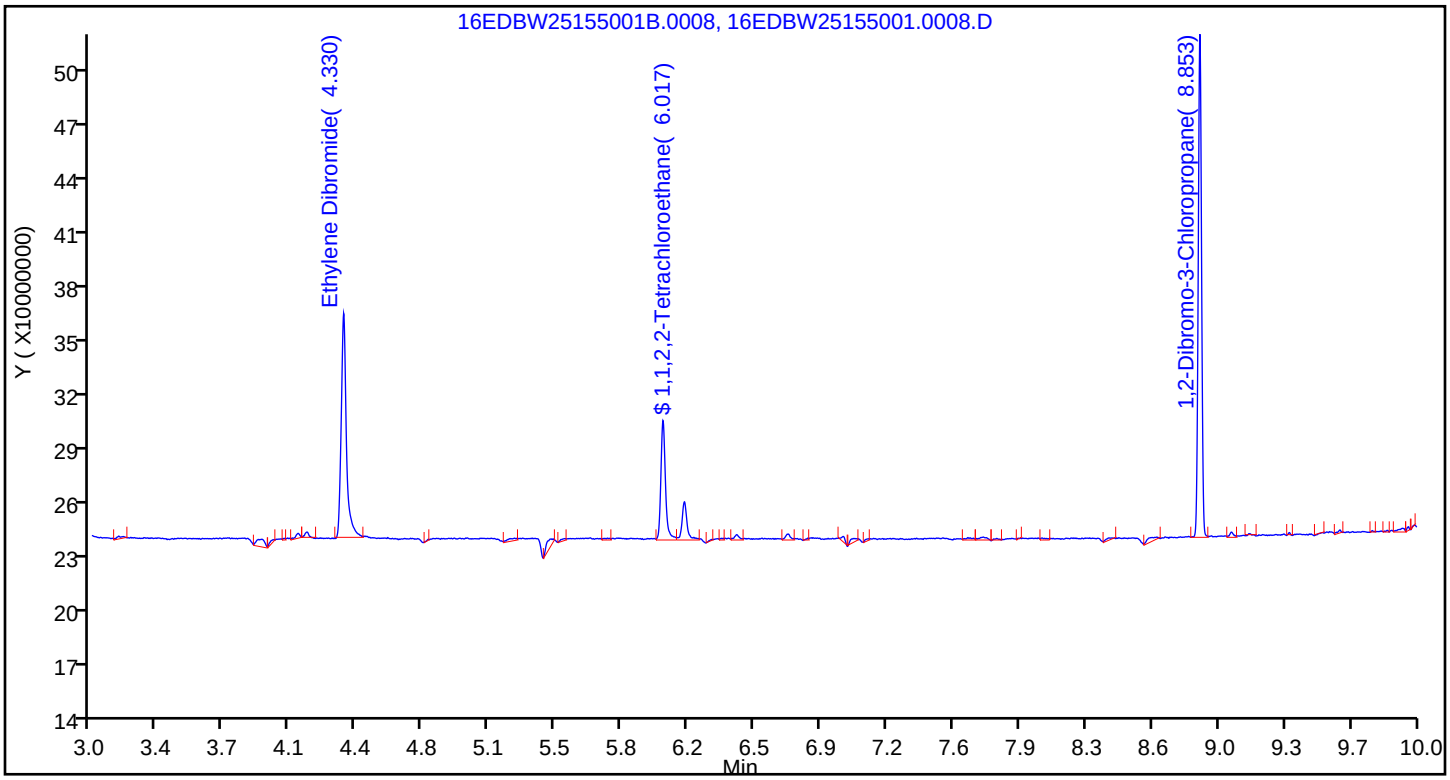
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-Jun-2025 09:45:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:30:52 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.612	3.613	-0.001	145864339H	6.28	5.98	
2	4.328	4.330	-0.002	164584543H	6.28	5.70	
						RPD = 4.72	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.125	5.127	-0.002	85334881H	3.08	3.06	
2	6.017	6.017	0.000	88961694H	3.08	3.04	
						RPD = 0.41	
3 1,2-Dibromo-3-Chloropropane							
1	8.042	8.043	-0.001	370027413H	6.25	5.85	
2	8.853	8.853	0.000	383880886H	6.25	5.80	
						RPD = 0.82	

Reagents:

GCS_EDB6_00029 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:30:53 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Injection Date: 04-Jun-2025 09:45:00 Instrument ID: 19853

Lims ID: ic

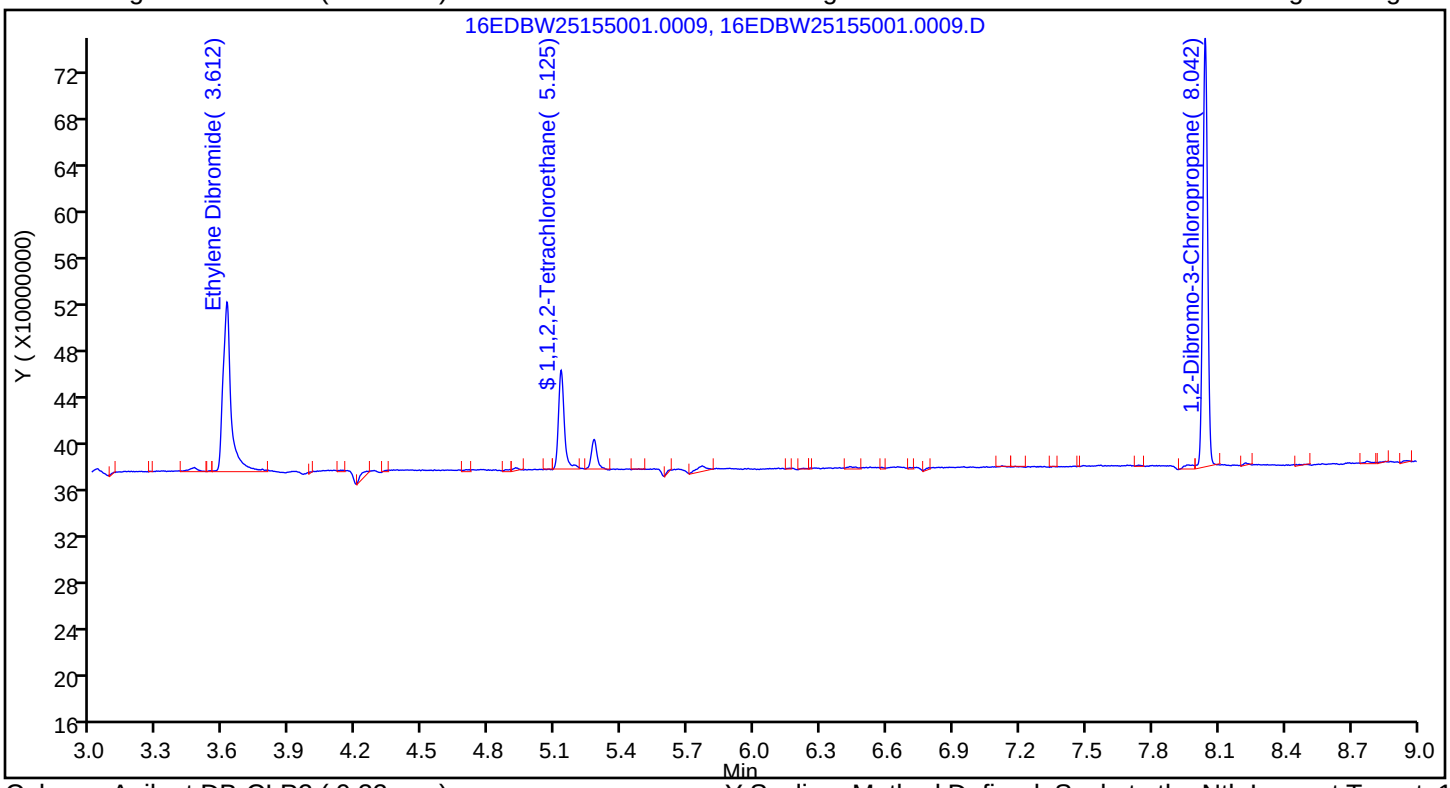
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 9

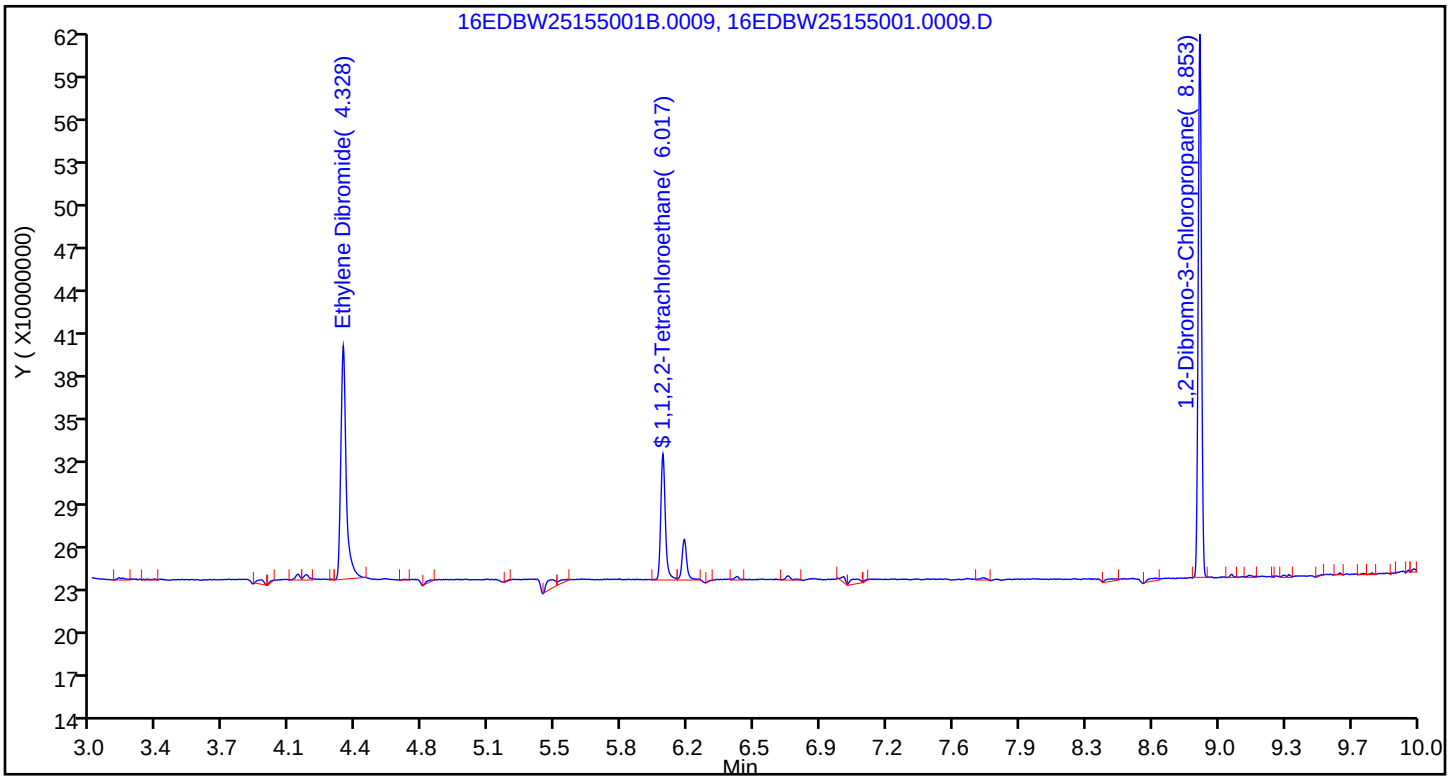
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

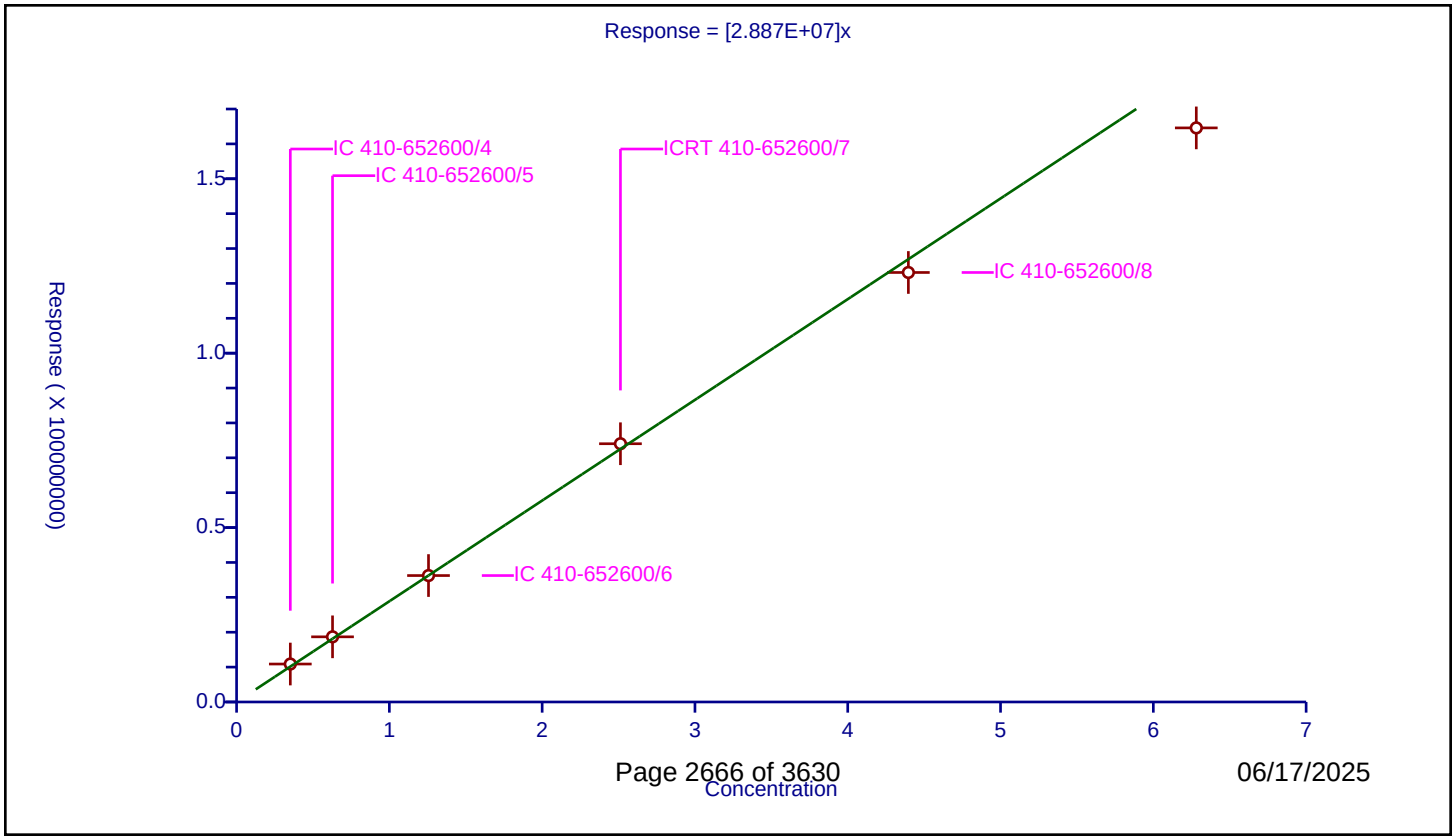
Curve Coefficients

Intercept:	0
Slope:	2.887E+07

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-652600/4	0.35175	10884062.0			30942606.965174	Y
2	IC 410-652600/5	0.628125	18684264.0			29746091.940299	Y
3	IC 410-652600/6	1.25625	36249829.0			28855585.273632	Y
4	ICRT 410-652600/7	2.5125	74037488.0			29467656.915423	Y
5	IC 410-652600/8	4.396875	123134331.0			28004965.117271	Y
6	IC 410-652600/9	6.28125	164584543.0			26202514.308458	Y



06/17/2025

Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

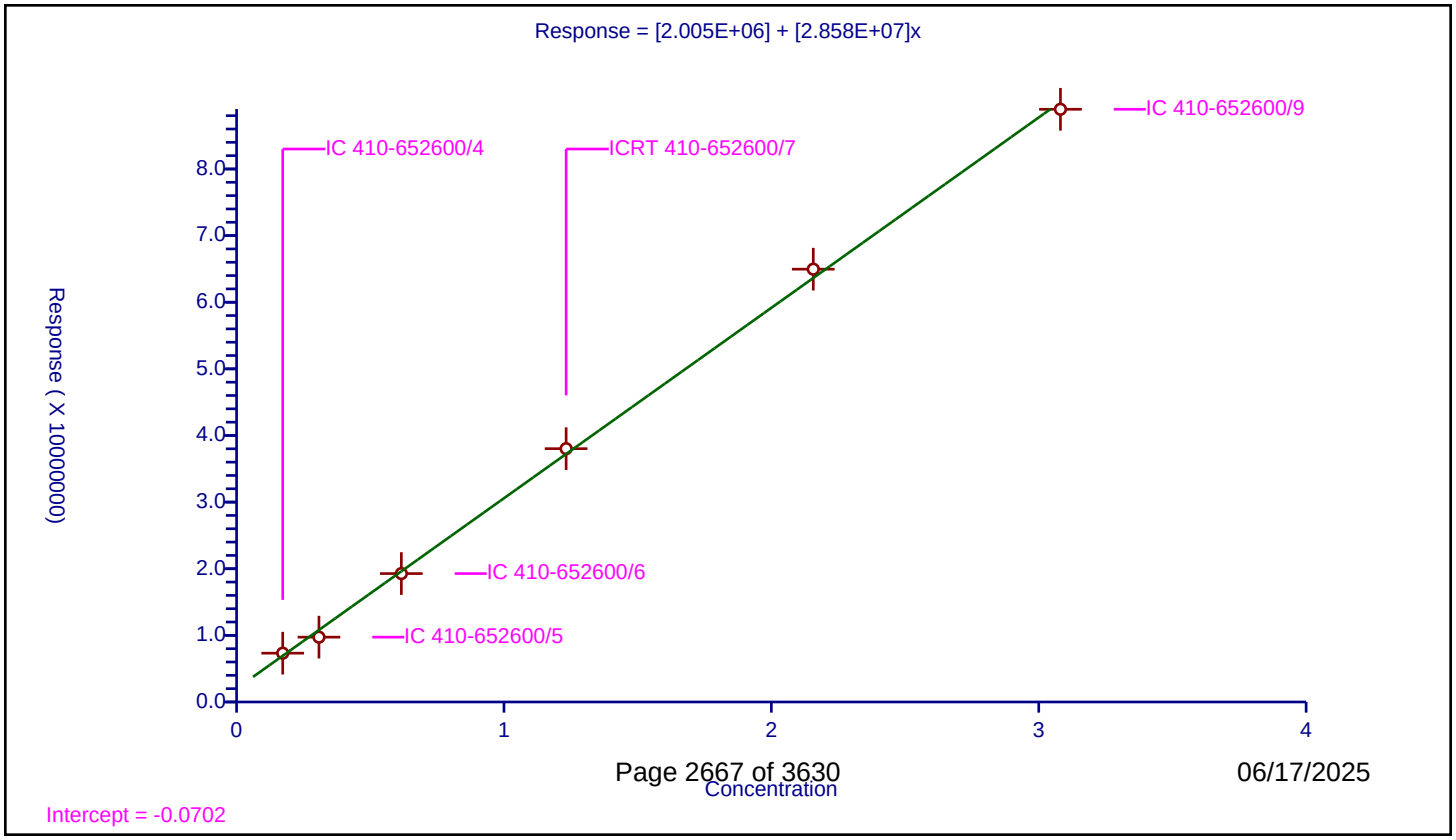
Curve Coefficients

Intercept:	2.005E+06
Slope:	2.858E+07

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-652600/4	0.17255	7325929.0			42456847.29064	Y
2	IC 410-652600/5	0.308125	9730865.0			31580900.608519	Y
3	IC 410-652600/6	0.61625	19274987.0			31277869.371197	Y
4	ICRT 410-652600/7	1.2325	38021638.0			30849199.188641	Y
5	IC 410-652600/8	2.156875	64961216.0			30118210.837438	Y
6	IC 410-652600/9	3.08125	88961694.0			28871949.371197	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

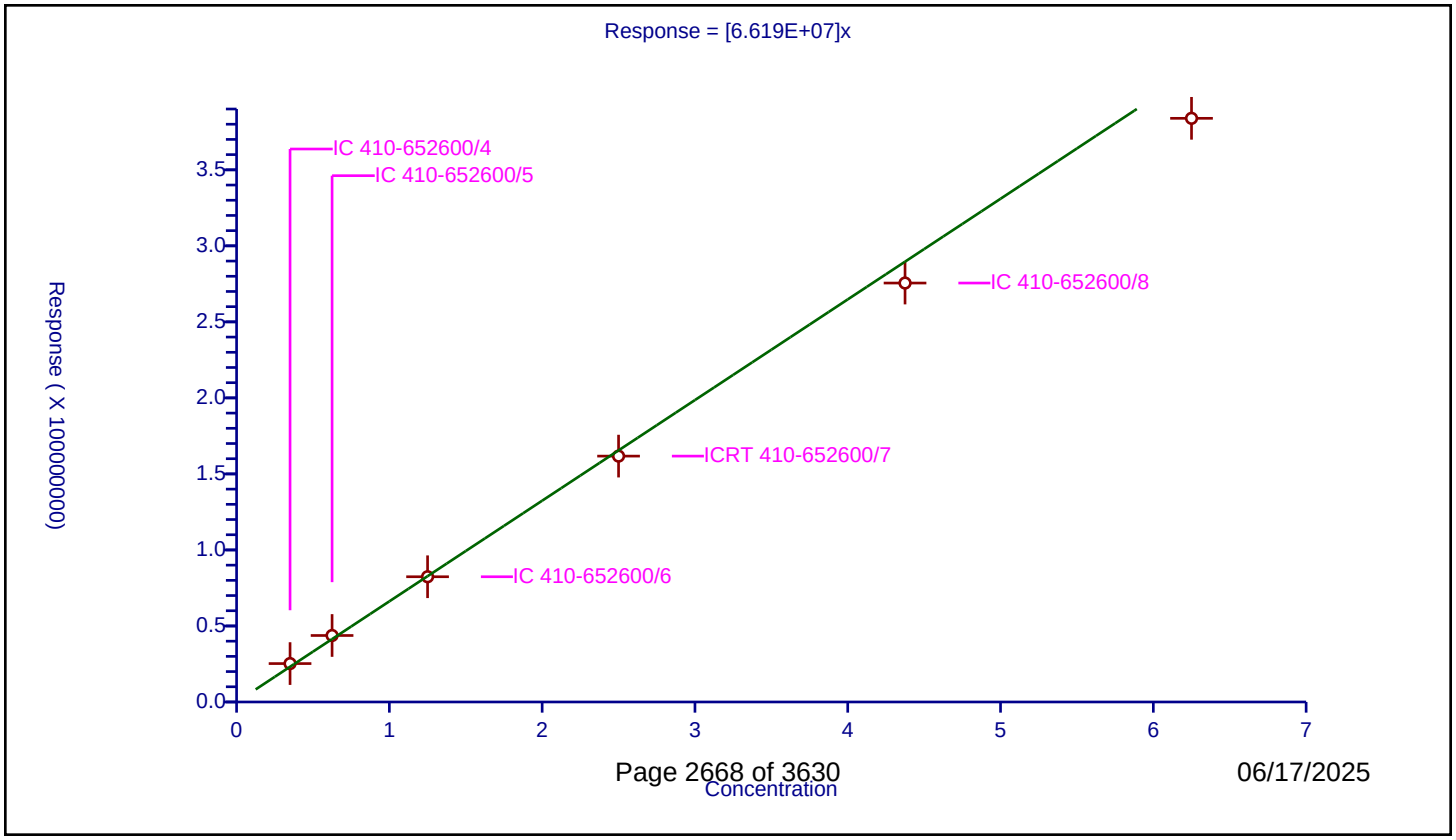
Curve Coefficients

Intercept:	0
Slope:	6.619E+07

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-652600/4	0.35	25270732.0			72202091.428571	Y
2	IC 410-652600/5	0.625	43730278.0			69968444.8	Y
3	IC 410-652600/6	1.25	82371594.0			65897275.2	Y
4	ICRT 410-652600/7	2.5	161716364.0			64686545.6	Y
5	IC 410-652600/8	4.375	275536004.0			62979658.057143	Y
6	IC 410-652600/9	6.25	383880886.0			61420941.76	Y



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-652600/11 Calibration Date: 06/04/2025 10:19

Instrument ID: 19853 Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155001.0011.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	24406329	25976202		1.34	1.26	6.4	40.0
1,2-Dibromo-3-Chloropropane	Ave	63280636	66842645		1.33	1.26	5.6	40.0
1,1,2,2-Tetrachloroethane	Lin		31167607		0.667	0.616	8.2	40.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-652600/11
Calibration Date: 06/04/2025 10:19

Instrument ID: 19853
Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155001.0011.D

Analyte	RT	RT WINDOW	
		FROM	TO
Ethylene Dibromide	3.62	3.58	3.64
1,2-Dibromo-3-Chloropropane	8.04	8.01	8.07
1,1,2,2-Tetrachloroethane	5.13	5.10	5.16

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0011.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 04-Jun-2025 10:19:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv
Operator ID: Instrument ID: 19853
Sublist:

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:31:20 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.615	3.613	0.002	32681309H	1.26	1.34	
2	4.330	4.330	0.000	38850960H	1.26	1.35	
						RPD = 0.50	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	19207038H	0.6163	0.6671	
2	6.018	6.017	0.001	21449628H	0.6163	0.6805	
						RPD = 1.99	
3 1,2-Dibromo-3-Chloropropane							
1	8.040	8.043	-0.003	83929296H	1.26	1.33	
2	8.853	8.853	0.000	86507149H	1.26	1.31	
						RPD = 1.47	

Reagents:

GCS_EDBICV_00060 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:31:42 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0011.D

Injection Date: 04-Jun-2025 10:19:00 Instrument ID: 19853

Lims ID: icv

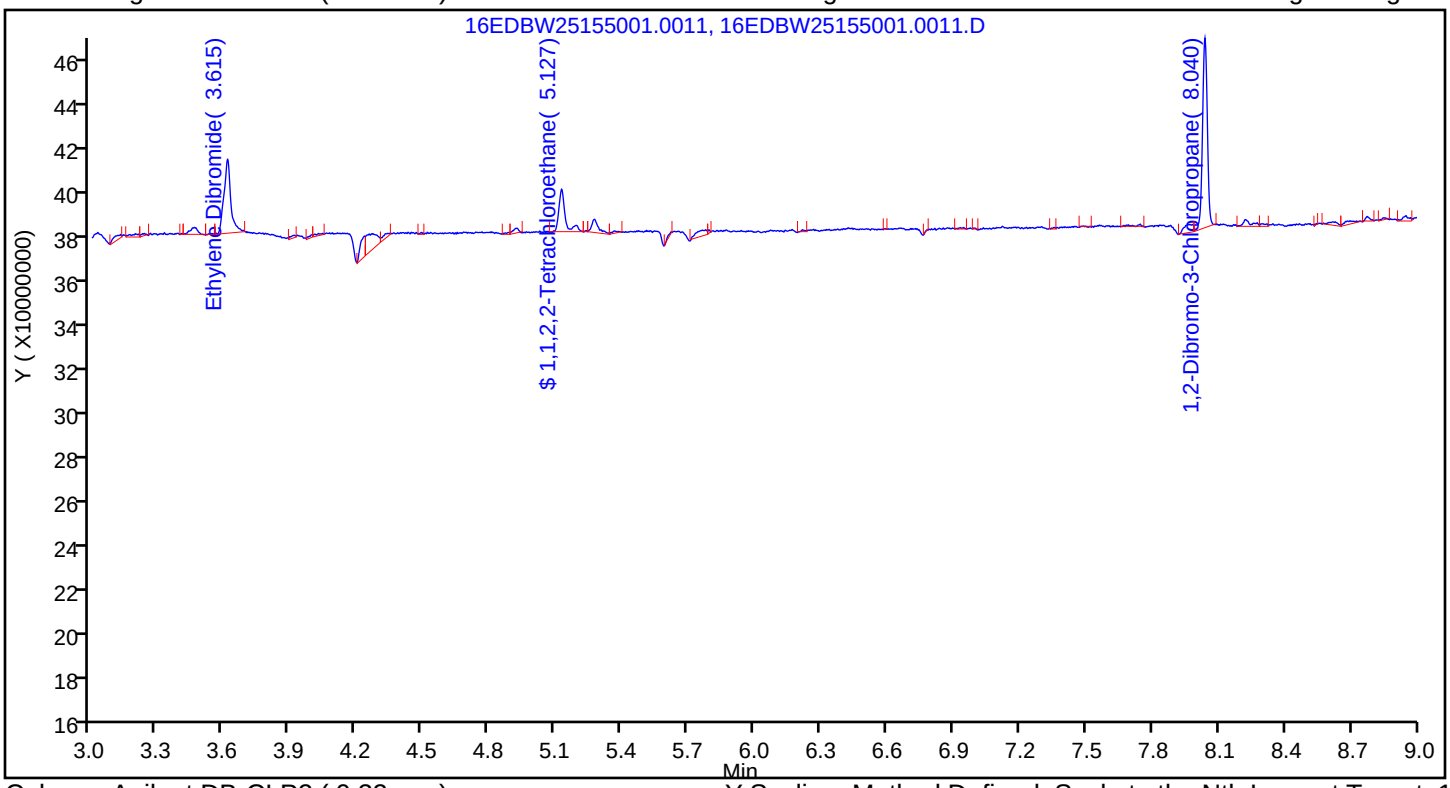
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 11

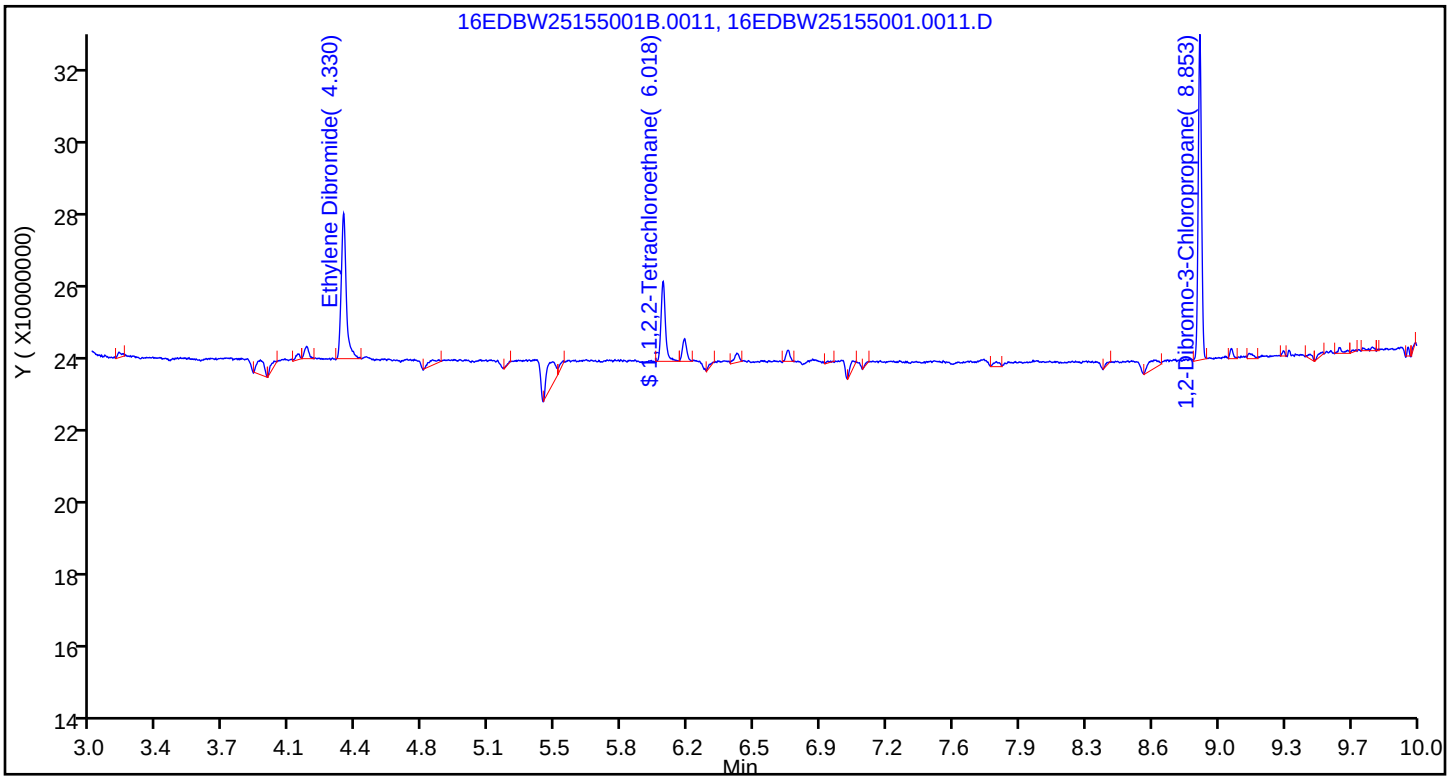
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-652600/11 Calibration Date: 06/04/2025 10:19

Instrument ID: 19853 Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155001.0011.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	28869903	30880048		1.35	1.26	7.0	40.0
1,2-Dibromo-3-Chloropropane	Ave	66192493	68895689		1.31	1.26	4.1	40.0
1,1,2,2-Tetrachloroethane	Lin		34806699		0.680	0.616	10.4	40.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICV 410-652600/11
Calibration Date: 06/04/2025 10:19

Instrument ID: 19853
Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155001.0011.D

Analyte	RT	RT WINDOW	
		FROM	TO
Ethylene Dibromide	4.33	4.30	4.36
1,2-Dibromo-3-Chloropropane	8.85	8.82	8.88
1,1,2,2-Tetrachloroethane	6.02	5.99	6.05

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0011.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 04-Jun-2025 10:19:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv
Operator ID: Instrument ID: 19853
Sublist:

Method: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 05-Jun-2025 06:31:20 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1716

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.615	3.613	0.002	32681309H	1.26	1.34	
2	4.330	4.330	0.000	38850960H	1.26	1.35	
						RPD = 0.50	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	19207038H	0.6163	0.6671	
2	6.018	6.017	0.001	21449628H	0.6163	0.6805	
						RPD = 1.99	
3 1,2-Dibromo-3-Chloropropane							
1	8.040	8.043	-0.003	83929296H	1.26	1.33	
2	8.853	8.853	0.000	86507149H	1.26	1.31	
						RPD = 1.47	

Reagents:

GCS_EDBICV_00060 Amount Added: 1.00 Units: mL

Report Date: 05-Jun-2025 06:31:42 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0011.D

Injection Date: 04-Jun-2025 10:19:00 Instrument ID: 19853

Lims ID: icv

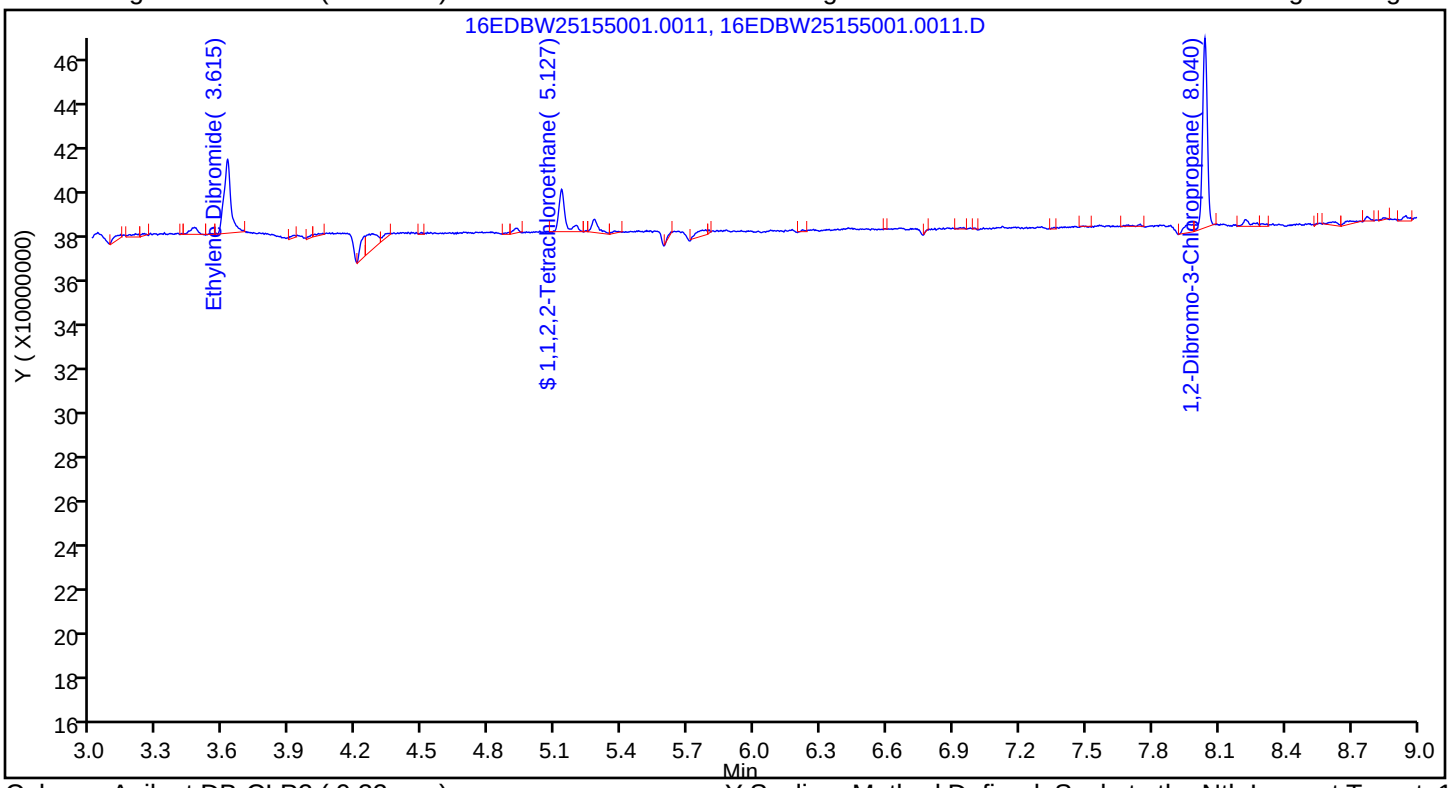
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 11

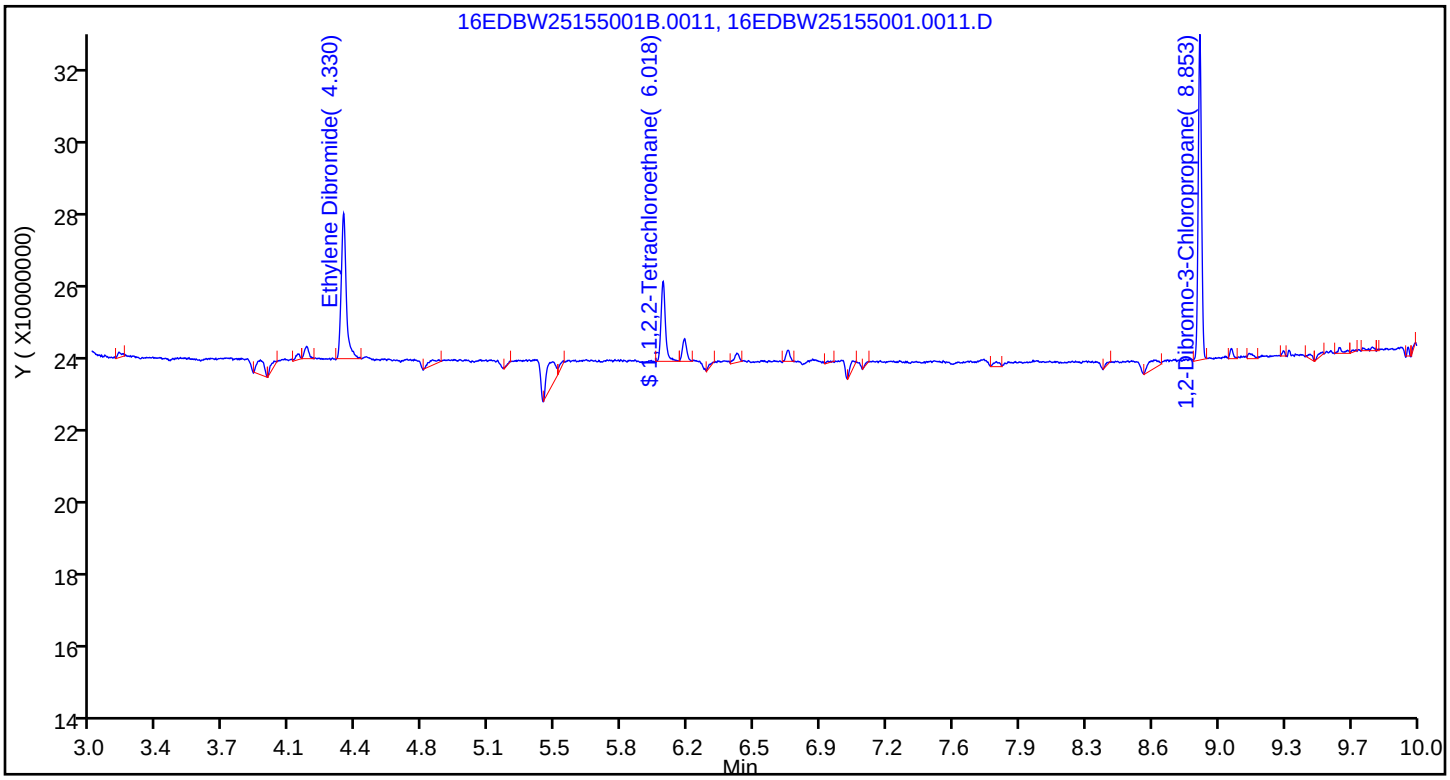
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVRT 410-654000/3 Calibration Date: 06/06/2025 12:18

Instrument ID: 19853 Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0003.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	24406329	29684530		3.06	2.51	21.6	40.0
1,2-Dibromo-3-Chloropropane	Ave	63280636	77824152		3.07	2.50	23.0	40.0
1,1,2,2-Tetrachloroethane	Lin		34292837		1.50	1.23	21.7	40.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVRT 410-654000/3
Calibration Date: 06/06/2025 12:18

Instrument ID: 19853
Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0003.D

Analyte	RT	RT WINDOW	
		FROM	TO
Ethylene Dibromide	3.62	3.59	3.65
1,2-Dibromo-3-Chloropropane	8.04	8.01	8.07
1,1,2,2-Tetrachloroethane	5.13	5.10	5.16

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0003.D
Lims ID: ccvrt
Client ID:
Sample Type: CCVRT
Inject. Date: 06-Jun-2025 12:18:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccvrt
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:01:09 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.620	3.620	0.000	74582381H	2.51	3.06	
2	4.333	4.333	0.000	83025477H	2.51	2.88	
						RPD = 6.07	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	42265922H	1.23	1.50	
2	6.018	6.018	0.000	44633561H	1.23	1.49	
						RPD = 0.55	
3 1,2-Dibromo-3-Chloropropane							
1	8.040	8.040	0.000	194560381H	2.50	3.07	
2	8.853	8.853	0.000	197520559H	2.50	2.98	
						RPD = 2.99	

Reagents:

GCS_EDB4_00055 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:01:12 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0003.D

Injection Date: 06-Jun-2025 12:18:00 Instrument ID: 19853

Lims ID: ccvrt

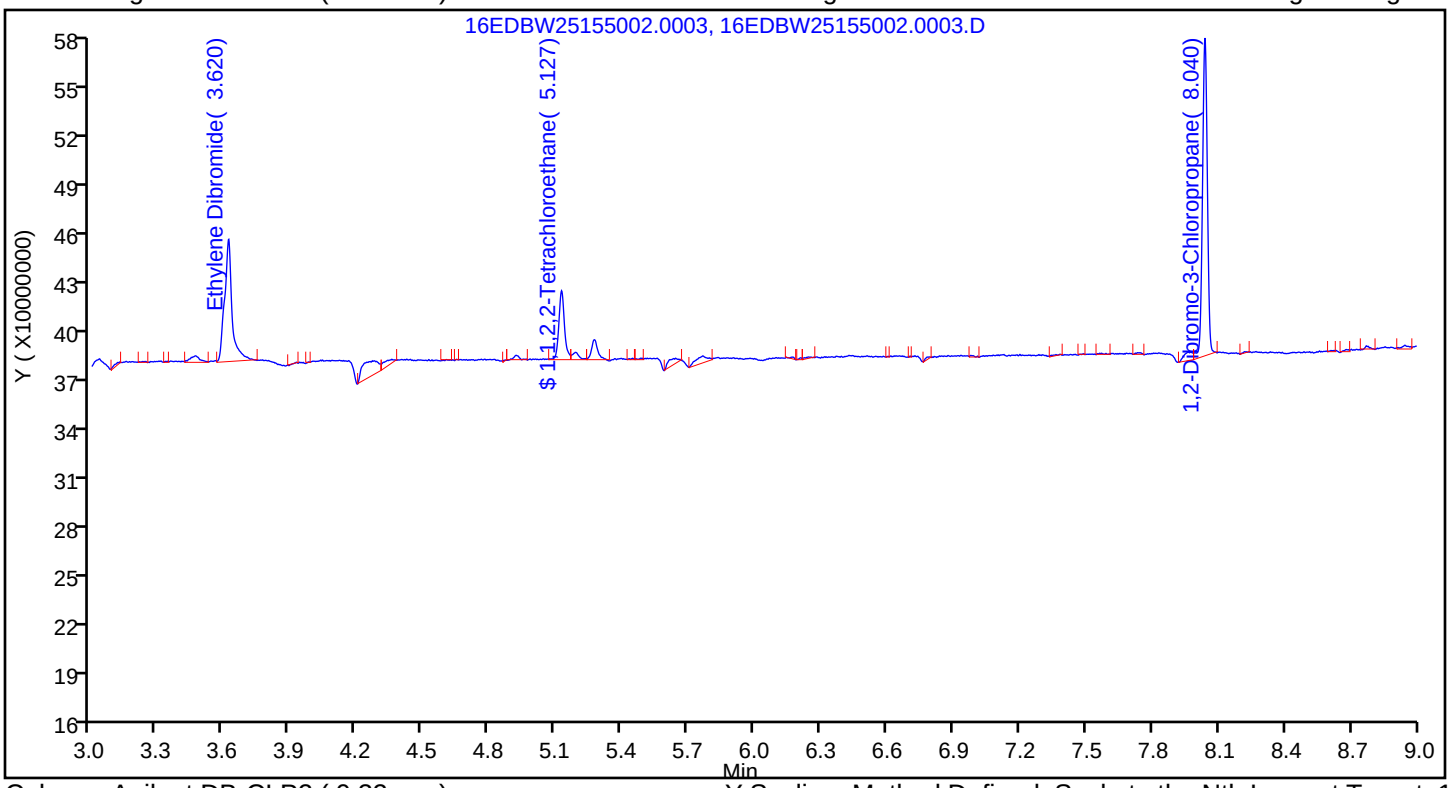
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 3

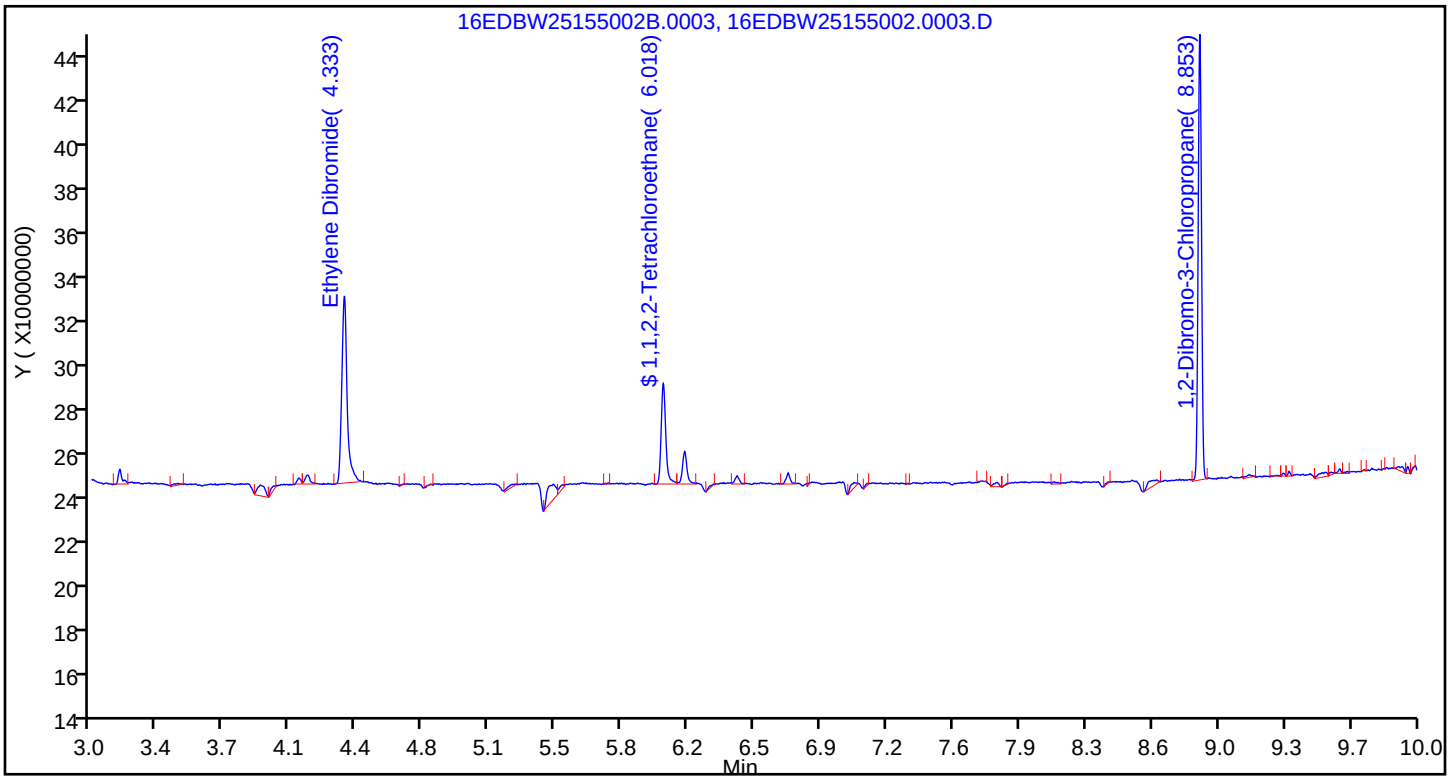
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVRT 410-654000/3 Calibration Date: 06/06/2025 12:18

Instrument ID: 19853 Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0003.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	28869903	33044966		2.88	2.51	14.5	40.0
1,2-Dibromo-3-Chloropropane	Ave	66192493	79008224		2.98	2.50	19.4	40.0
1,1,2,2-Tetrachloroethane	Lin		36213843		1.49	1.23	21.0	40.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCVRT 410-654000/3
Calibration Date: 06/06/2025 12:18

Instrument ID: 19853
Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0003.D

Analyte	RT	RT WINDOW	
		FROM	TO
Ethylene Dibromide	4.33	4.30	4.36
1,2-Dibromo-3-Chloropropane	8.85	8.82	8.88
1,1,2,2-Tetrachloroethane	6.02	5.99	6.05

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0003.D
Lims ID: ccvrt
Client ID:
Sample Type: CCVRT
Inject. Date: 06-Jun-2025 12:18:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccvrt
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:01:09 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.620	3.620	0.000	74582381H	2.51	3.06	
2	4.333	4.333	0.000	83025477H	2.51	2.88	
						RPD = 6.07	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	42265922H	1.23	1.50	
2	6.018	6.018	0.000	44633561H	1.23	1.49	
						RPD = 0.55	
3 1,2-Dibromo-3-Chloropropane							
1	8.040	8.040	0.000	194560381H	2.50	3.07	
2	8.853	8.853	0.000	197520559H	2.50	2.98	
						RPD = 2.99	

Reagents:

GCS_EDB4_00055 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:01:12 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0003.D

Injection Date: 06-Jun-2025 12:18:00 Instrument ID: 19853

Lims ID: ccvrt

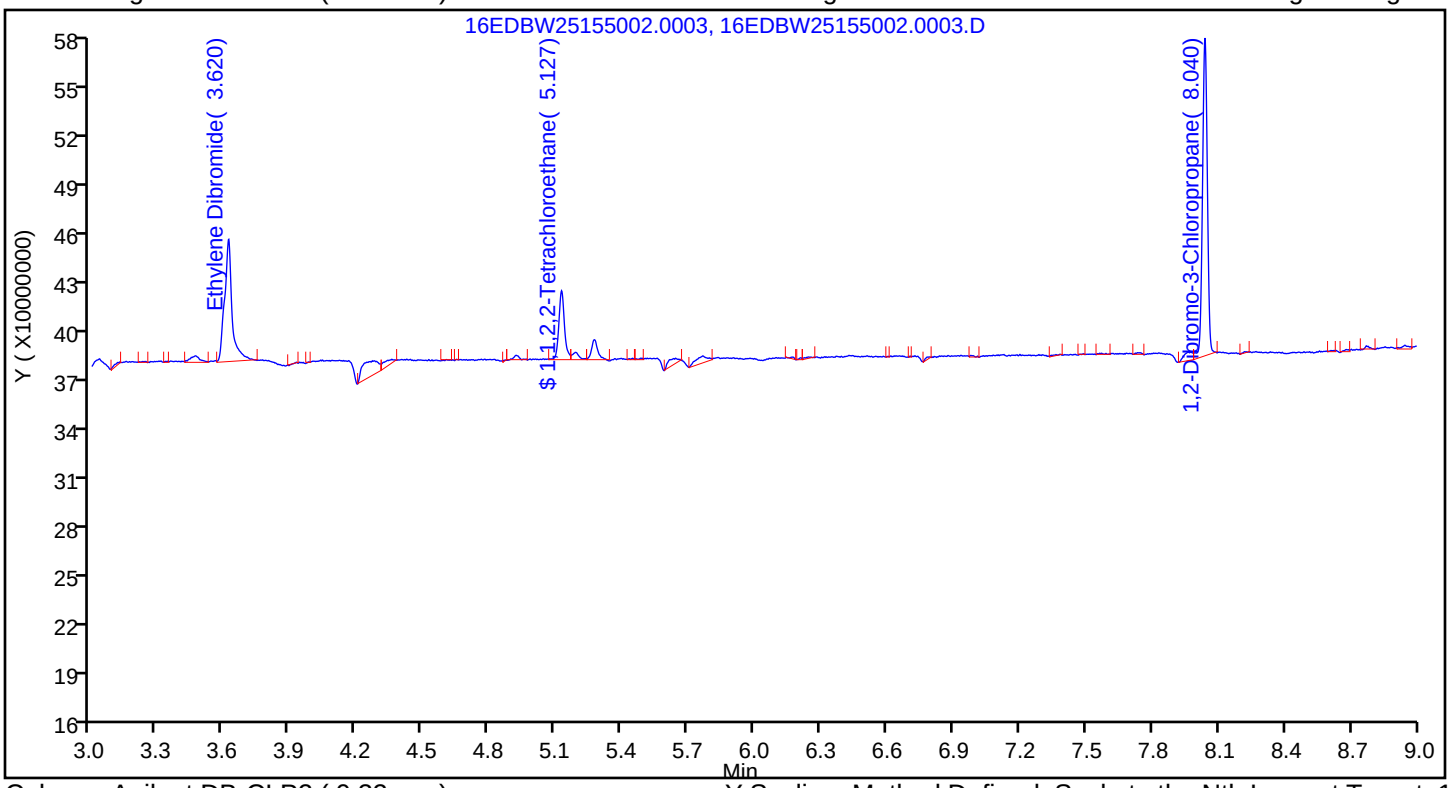
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 3

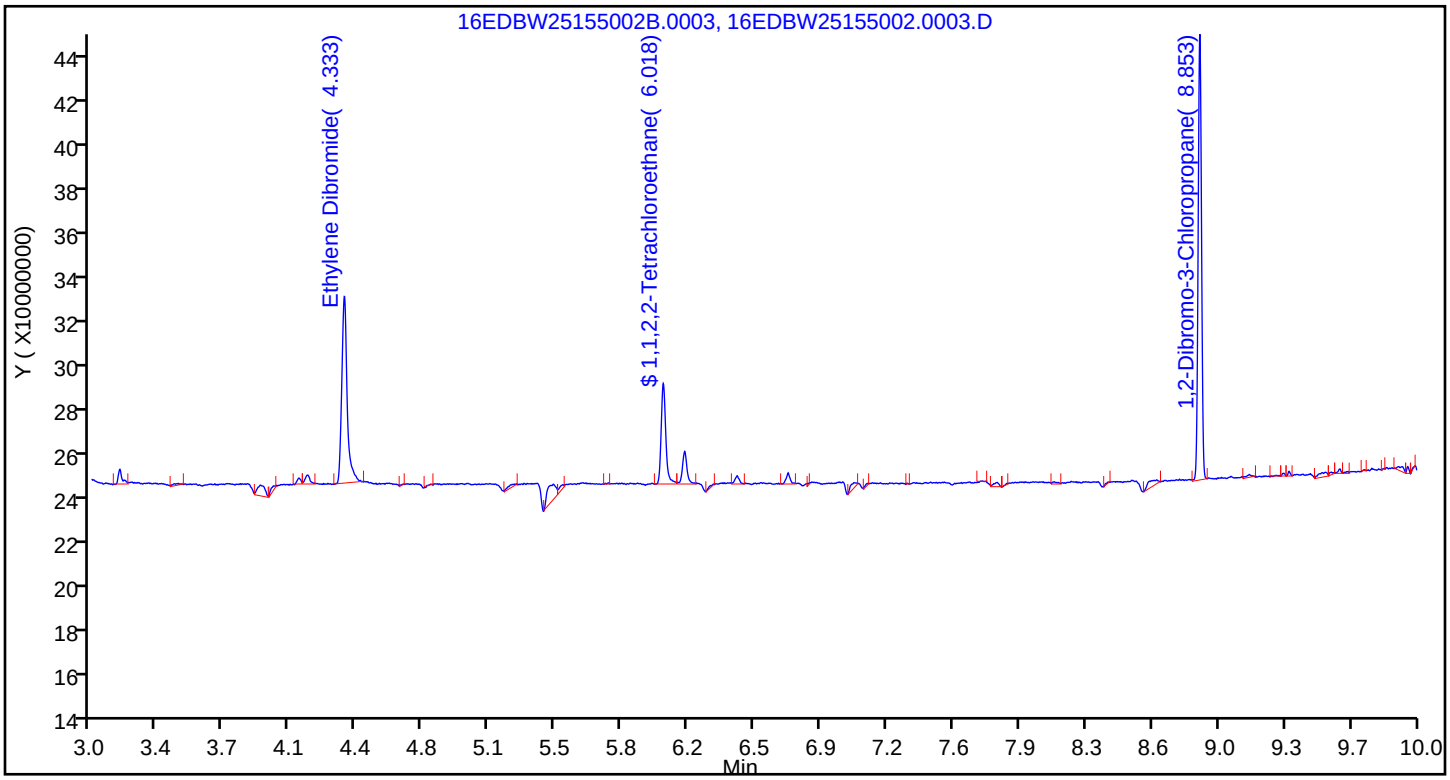
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/15 Calibration Date: 06/06/2025 15:42

Instrument ID: 19853 Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0015.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	24406329	26264948		2.70	2.51	7.6	40.0
1,2-Dibromo-3-Chloropropane	Ave	63280636	70490591		2.78	2.50	11.4	40.0
1,1,2,2-Tetrachloroethane	Lin		31327880		1.37	1.23	11.0	40.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/15
Calibration Date: 06/06/2025 15:42

Instrument ID: 19853
Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0015.D

Analyte	RT	RT WINDOW	
		FROM	TO
Ethylene Dibromide	3.62	3.59	3.65
1,2-Dibromo-3-Chloropropane	8.05	8.01	8.07
1,1,2,2-Tetrachloroethane	5.13	5.10	5.16

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0015.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 06-Jun-2025 15:42:00 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:05 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.618	3.620	-0.002	65990681H	2.51	2.70	
2	4.327	4.333	-0.006	78193925H	2.51	2.71	
						RPD = 0.17	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.130	5.127	0.003	38611612H	1.23	1.37	
2	6.015	6.018	-0.003	40438730H	1.23	1.34	
						RPD = 1.69	
3 1,2-Dibromo-3-Chloropropane							
1	8.045	8.040	0.005	176226478H	2.50	2.78	
2	8.852	8.853	-0.001	174883379H	2.50	2.64	
						RPD = 5.26	

Reagents:

GCS_EDB4_00055 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:02:06 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0015.D

Injection Date: 06-Jun-2025 15:42:00 Instrument ID: 19853

Lims ID: ccv

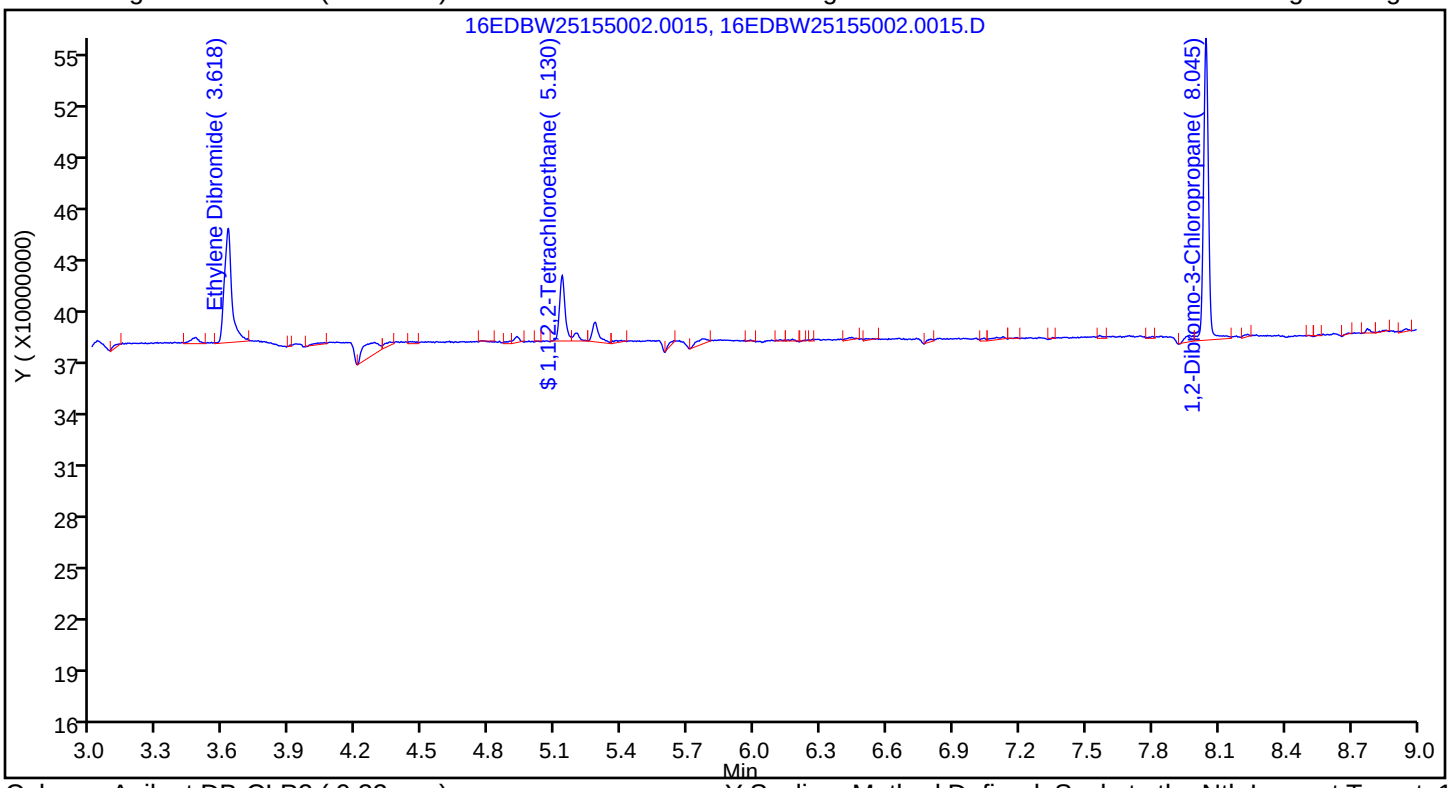
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 15

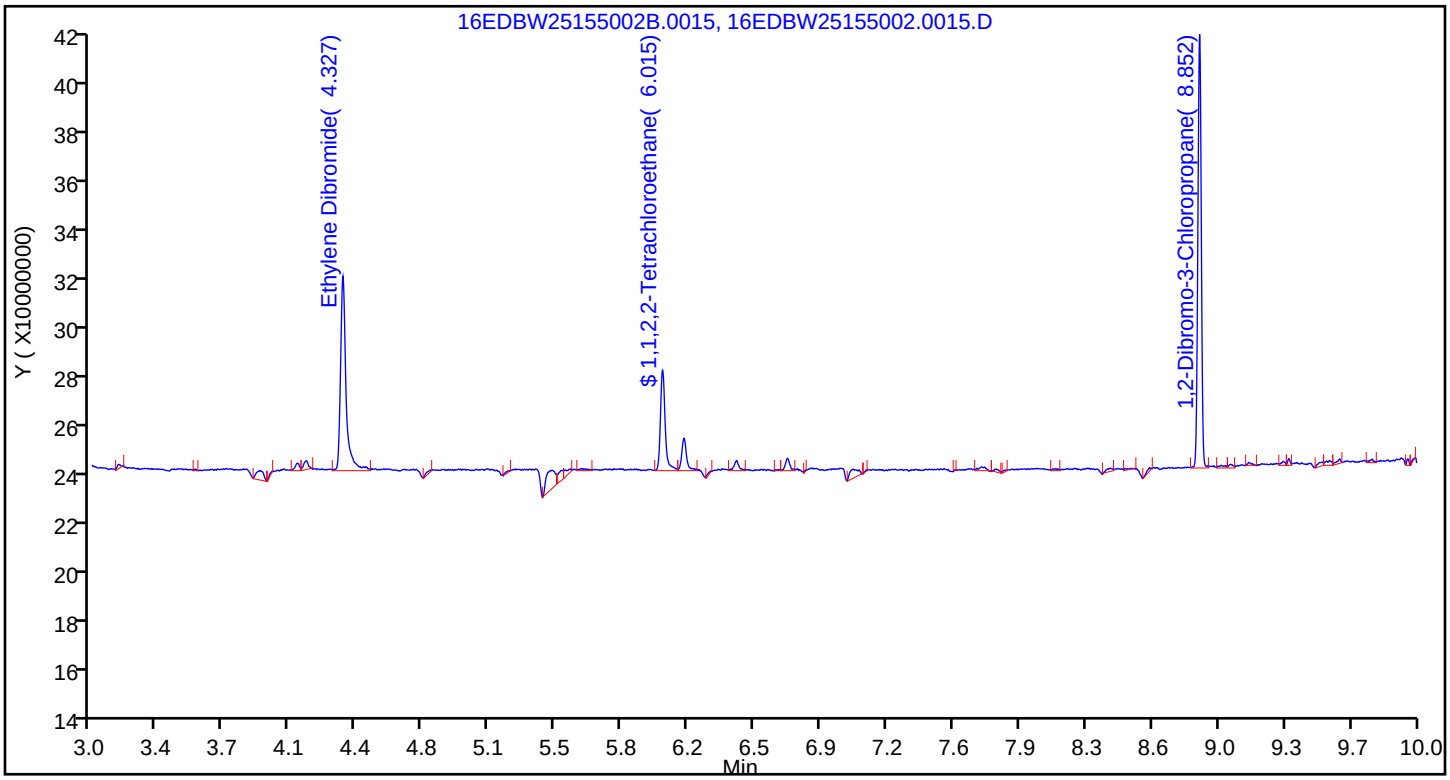
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/15 Calibration Date: 06/06/2025 15:42

Instrument ID: 19853 Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0015.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	28869903	31121960		2.71	2.51	7.8	40.0
1,2-Dibromo-3-Chloropropane	Ave	66192493	69953352		2.64	2.50	5.7	40.0
1,1,2,2-Tetrachloroethane	Lin		32810329		1.34	1.23	9.1	40.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/15
Calibration Date: 06/06/2025 15:42

Instrument ID: 19853
Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0015.D

Analyte	RT	RT WINDOW	
		FROM	TO
Ethylene Dibromide	4.33	4.30	4.36
1,2-Dibromo-3-Chloropropane	8.85	8.82	8.88
1,1,2,2-Tetrachloroethane	6.02	5.99	6.05

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0015.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 06-Jun-2025 15:42:00 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:05 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.618	3.620	-0.002	65990681H	2.51	2.70	
2	4.327	4.333	-0.006	78193925H	2.51	2.71	
						RPD = 0.17	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.130	5.127	0.003	38611612H	1.23	1.37	
2	6.015	6.018	-0.003	40438730H	1.23	1.34	
						RPD = 1.69	
3 1,2-Dibromo-3-Chloropropane							
1	8.045	8.040	0.005	176226478H	2.50	2.78	
2	8.852	8.853	-0.001	174883379H	2.50	2.64	
						RPD = 5.26	

Reagents:

GCS_EDB4_00055 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:02:06 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0015.D

Injection Date: 06-Jun-2025 15:42:00 Instrument ID: 19853

Lims ID: ccv

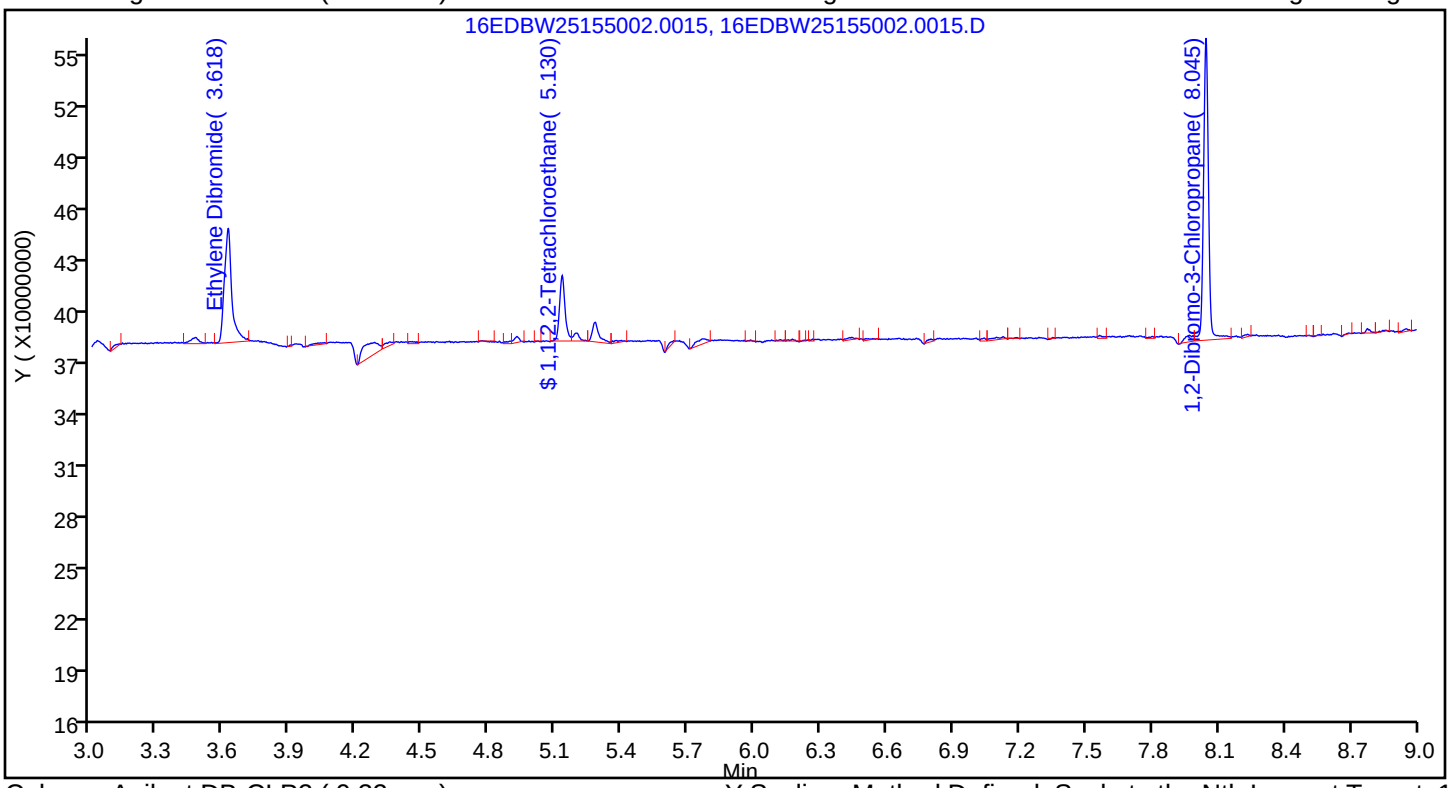
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 15

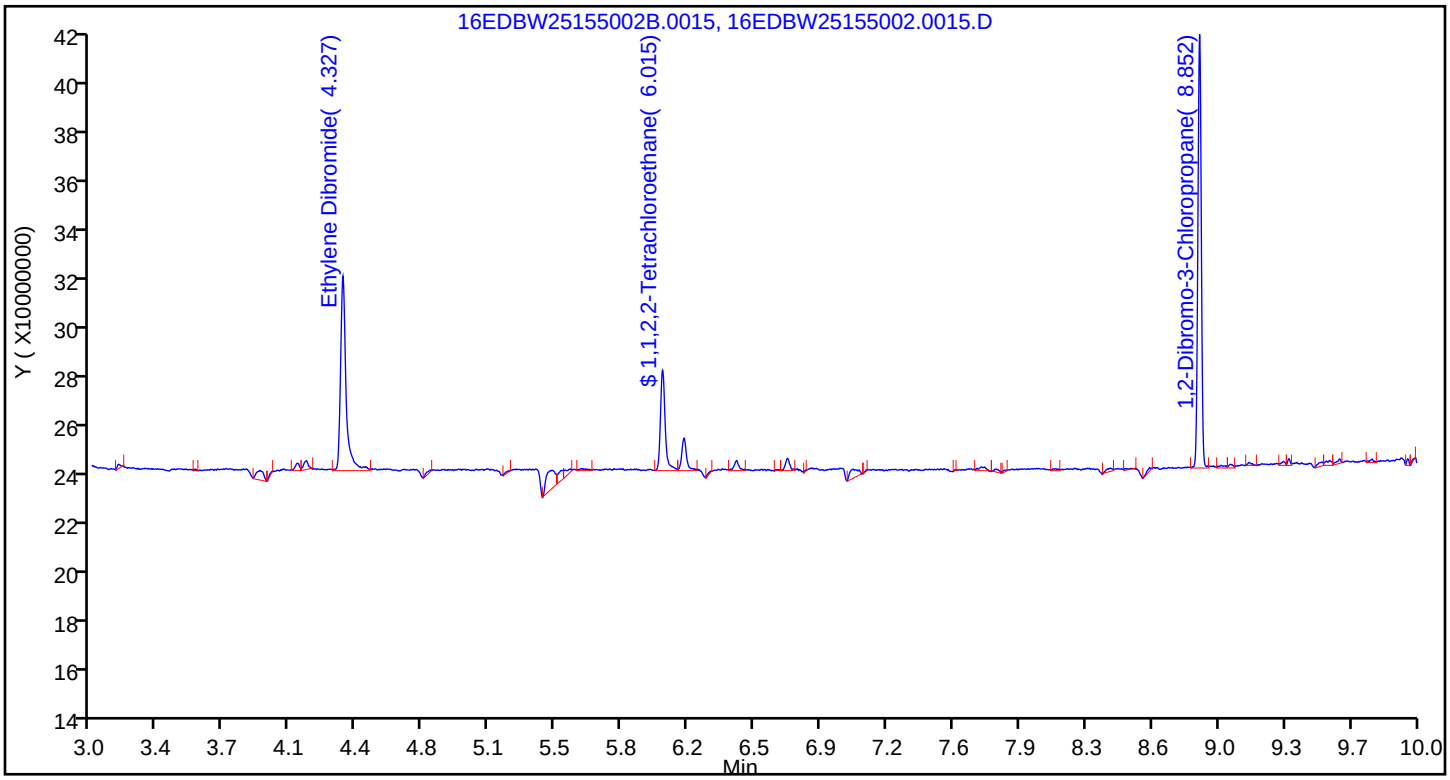
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/25 Calibration Date: 06/06/2025 18:33

Instrument ID: 19853 Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0025.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	24406329	27101561		2.79	2.51	11.0	40.0
1,2-Dibromo-3-Chloropropane	Ave	63280636	71490154		2.82	2.50	13.0	40.0
1,1,2,2-Tetrachloroethane	Lin		31024331		1.35	1.23	9.9	40.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/25
Calibration Date: 06/06/2025 18:33

Instrument ID: 19853
Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0025.D

Analyte	RT	RT WINDOW	
		FROM	TO
Ethylene Dibromide	3.62	3.59	3.65
1,2-Dibromo-3-Chloropropane	8.05	8.01	8.07
1,1,2,2-Tetrachloroethane	5.13	5.10	5.16

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0025.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 06-Jun-2025 18:33:00 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:36 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.618	3.620	-0.002	68092672H	2.51	2.79	
2	4.325	4.333	-0.008	76758307H	2.51	2.66	
						RPD = 4.82	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.132	5.127	0.005	38237488H	1.23	1.35	
2	6.013	6.018	-0.005	38213579H	1.23	1.27	
						RPD = 6.66	
3 1,2-Dibromo-3-Chloropropane							
1	8.048	8.040	0.008	178725385H	2.50	2.82	
2	8.852	8.853	-0.001	185300183H	2.50	2.80	
						RPD = 0.89	

Reagents:

GCS_EDB4_00055 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:02:38 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0025.D

Injection Date: 06-Jun-2025 18:33:00 Instrument ID: 19853

Lims ID: ccv

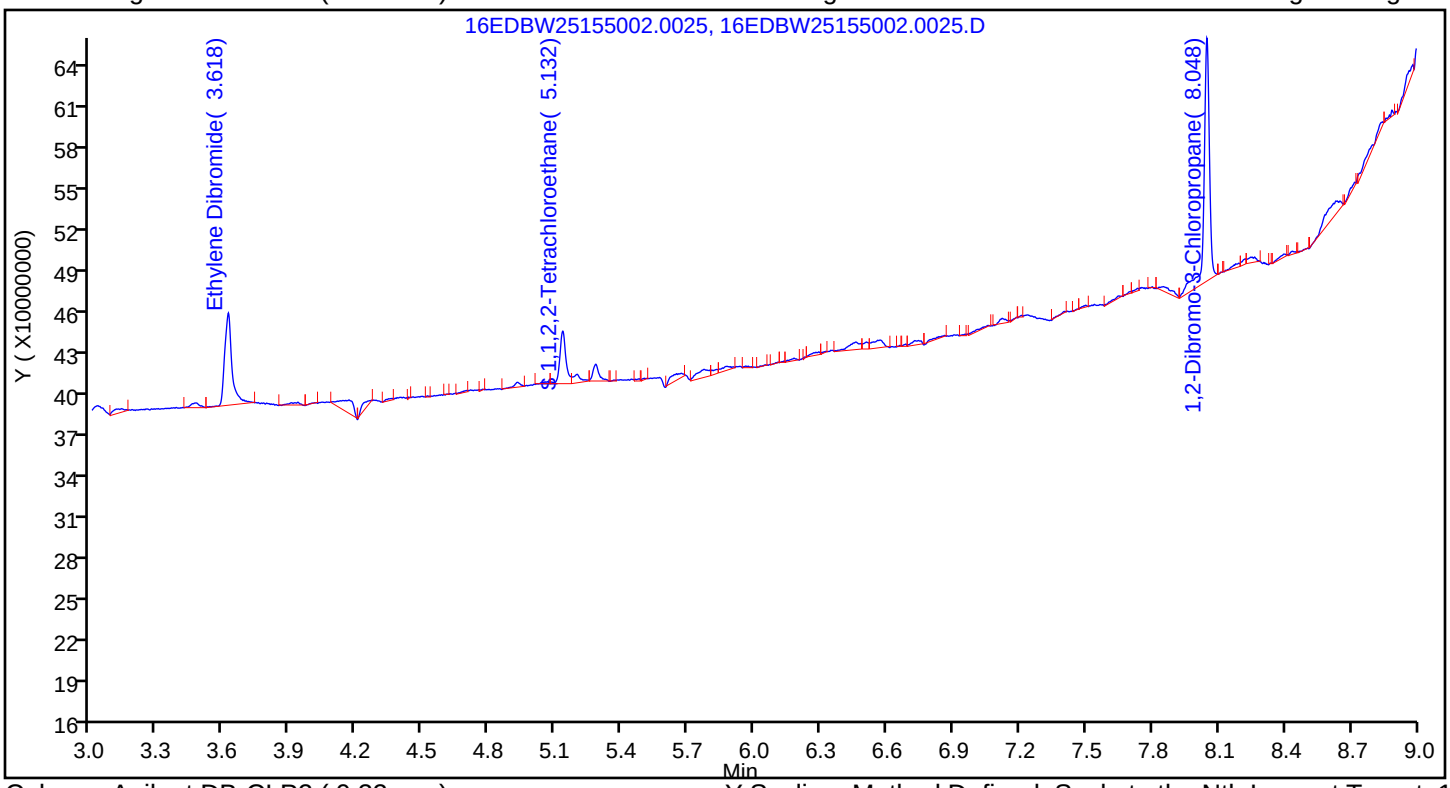
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 25

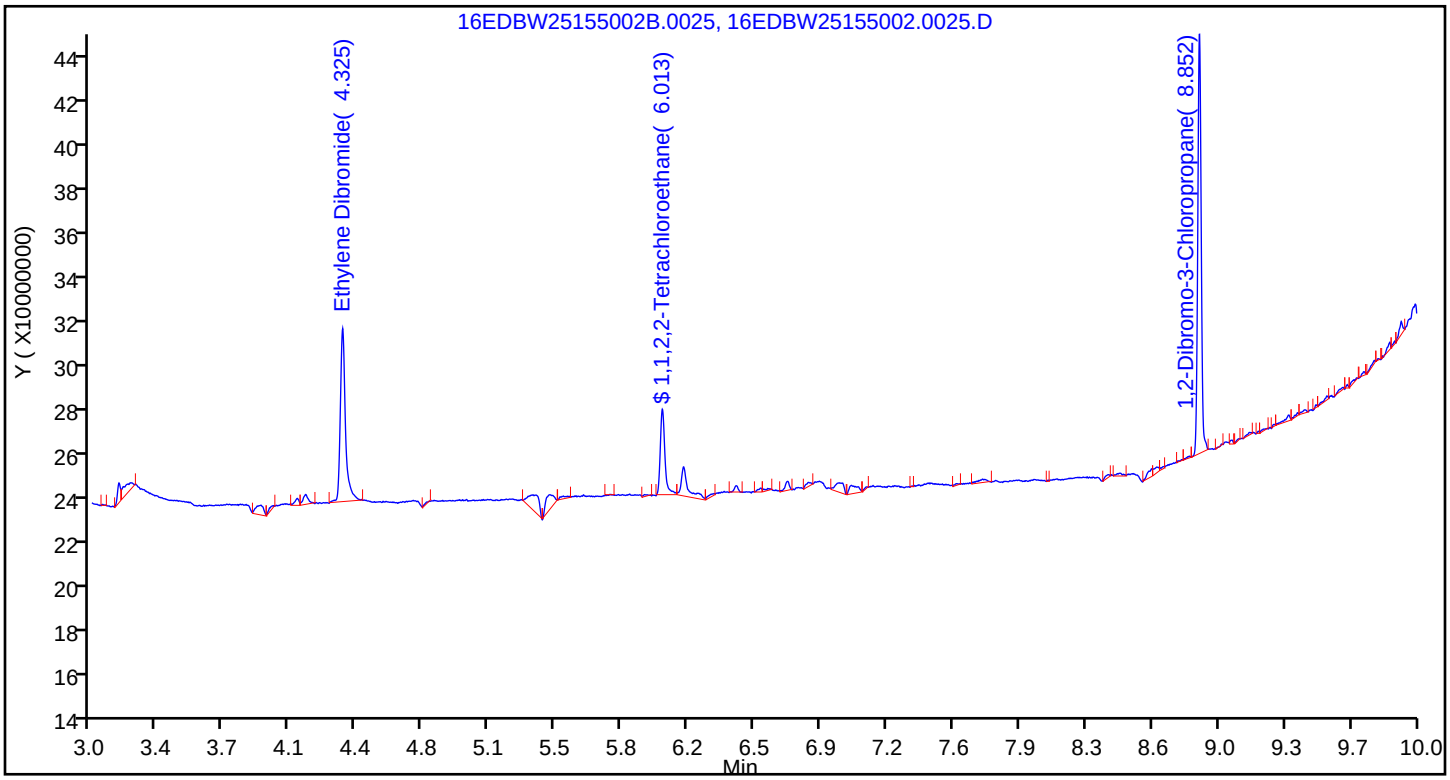
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/25 Calibration Date: 06/06/2025 18:33

Instrument ID: 19853 Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0025.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	28869903	30550570		2.66	2.51	5.8	40.0
1,2-Dibromo-3-Chloropropane	Ave	66192493	74120073		2.80	2.50	12.0	40.0
1,1,2,2-Tetrachloroethane	Lin		31004932		1.27	1.23	2.8	40.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/25
Calibration Date: 06/06/2025 18:33

Instrument ID: 19853
Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0025.D

Analyte	RT	RT WINDOW	
		FROM	TO
Ethylene Dibromide	4.33	4.30	4.36
1,2-Dibromo-3-Chloropropane	8.85	8.82	8.88
1,1,2,2-Tetrachloroethane	6.01	5.99	6.05

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0025.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 06-Jun-2025 18:33:00 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:36 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.618	3.620	-0.002	68092672H	2.51	2.79	
2	4.325	4.333	-0.008	76758307H	2.51	2.66	
						RPD = 4.82	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.132	5.127	0.005	38237488H	1.23	1.35	
2	6.013	6.018	-0.005	38213579H	1.23	1.27	
						RPD = 6.66	
3 1,2-Dibromo-3-Chloropropane							
1	8.048	8.040	0.008	178725385H	2.50	2.82	
2	8.852	8.853	-0.001	185300183H	2.50	2.80	
						RPD = 0.89	

Reagents:

GCS_EDB4_00055 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:02:38 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0025.D

Injection Date: 06-Jun-2025 18:33:00 Instrument ID: 19853

Lims ID: ccv

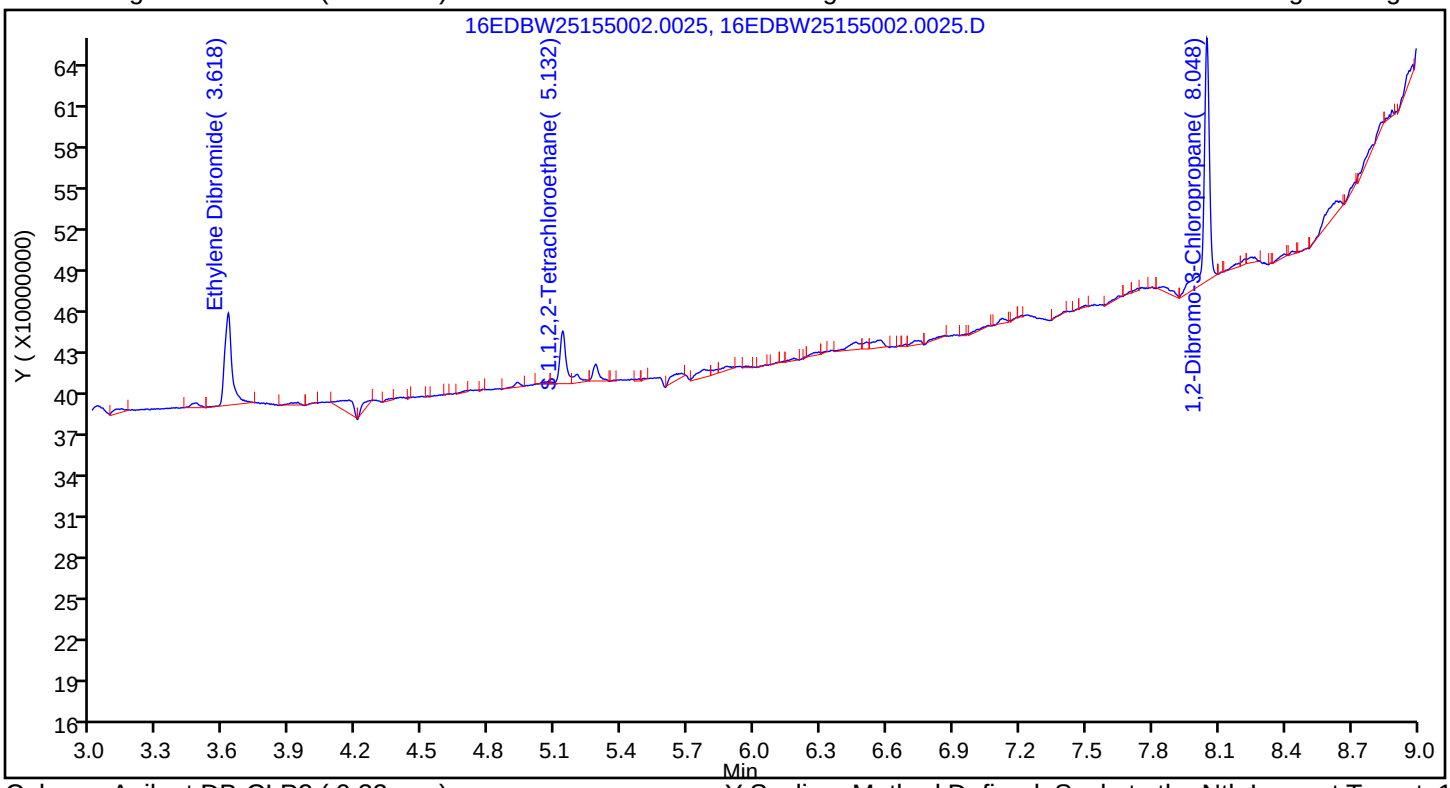
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 25

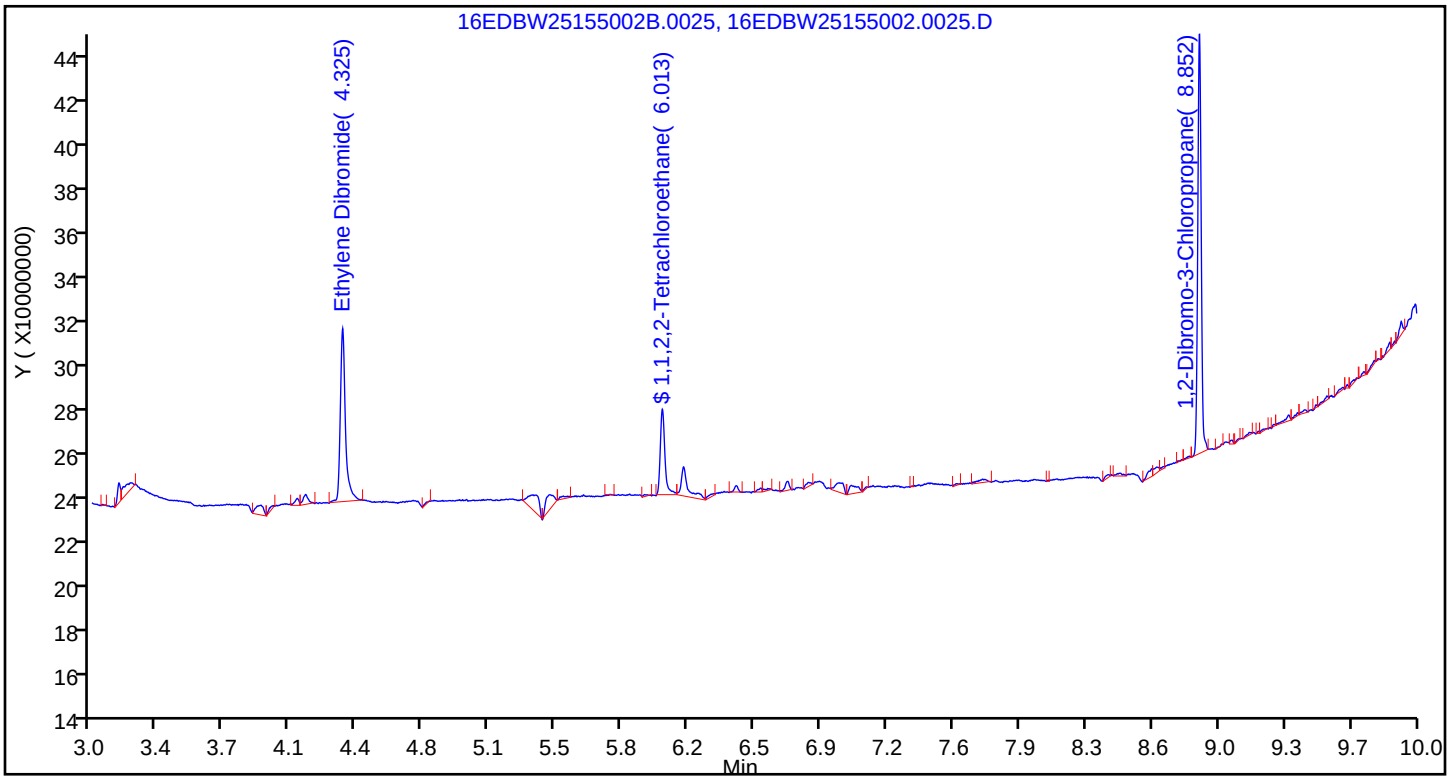
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/37
Calibration Date: 06/06/2025 21:57

Instrument ID: 19853
Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0037.D
Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	24406329	27566386		2.84	2.51	12.9	40.0
1,2-Dibromo-3-Chloropropane	Ave	63280636	82340408		3.25	2.50	30.1	40.0
1,1,2,2-Tetrachloroethane	Lin		32392688		1.42	1.23	14.8	40.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/37
Calibration Date: 06/06/2025 21:57

Instrument ID: 19853
Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0037.D

Analyte	RT	RT WINDOW	
		FROM	TO
Ethylene Dibromide	3.62	3.59	3.65
1,2-Dibromo-3-Chloropropane	8.05	8.01	8.07
1,1,2,2-Tetrachloroethane	5.13	5.10	5.16

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0037.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 06-Jun-2025 21:57:00 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.620	3.620	0.000	69260544H	2.51	2.84	
2	4.328	4.333	-0.005	79874519H	2.51	2.77	
						RPD = 2.54	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.133	5.127	0.006	39923988H	1.23	1.42	
2	6.017	6.018	-0.001	42497724H	1.23	1.42	
						RPD = 0.12	
3 1,2-Dibromo-3-Chloropropane							
1	8.048	8.040	0.008	205851019H	2.50	3.25	
2	8.852	8.853	-0.001	205034032H	2.50	3.10	
						RPD = 4.90	

Reagents:

GCS_EDB4_00055 Amount Added: 1.00 Units: mL

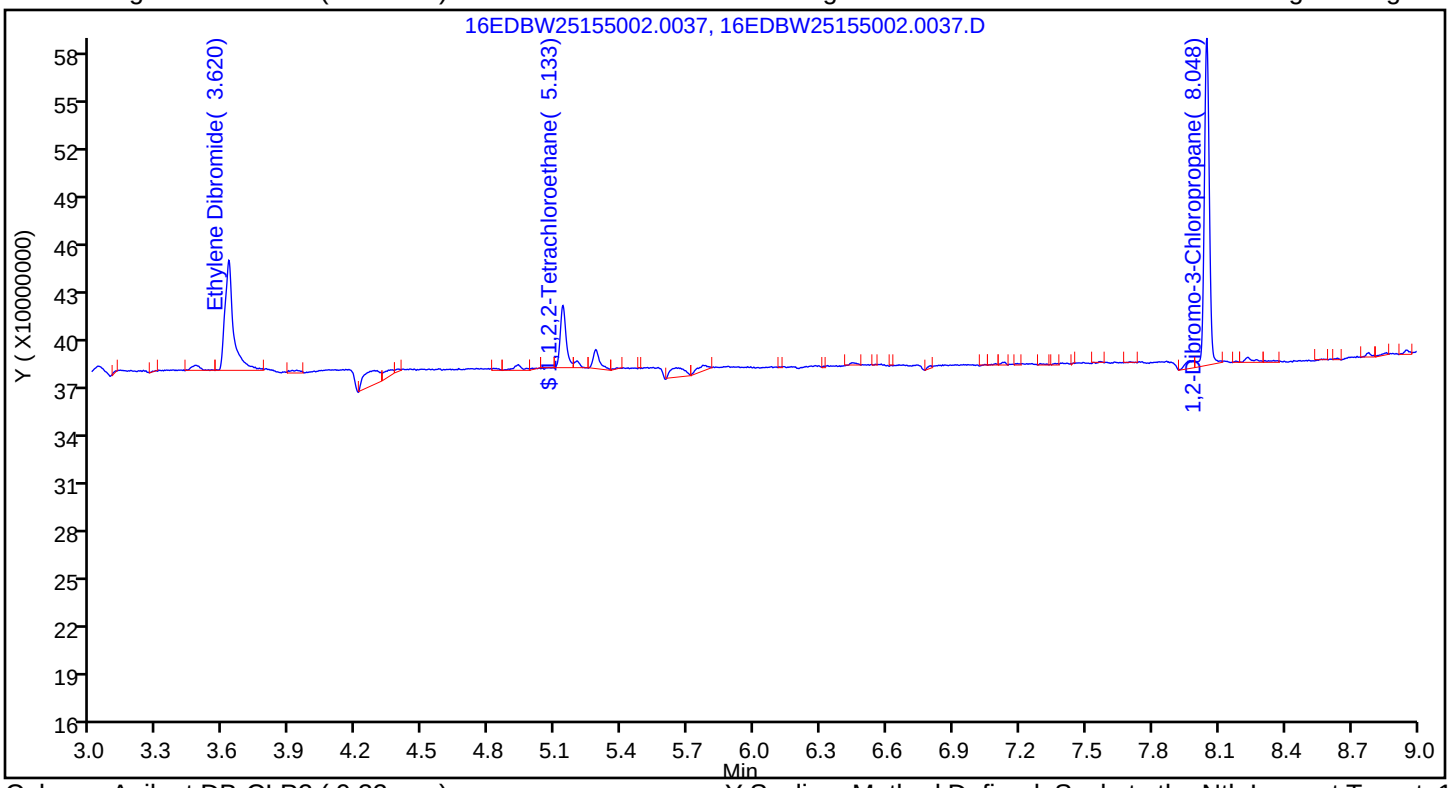
Report Date: 09-Jun-2025 08:03:12 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

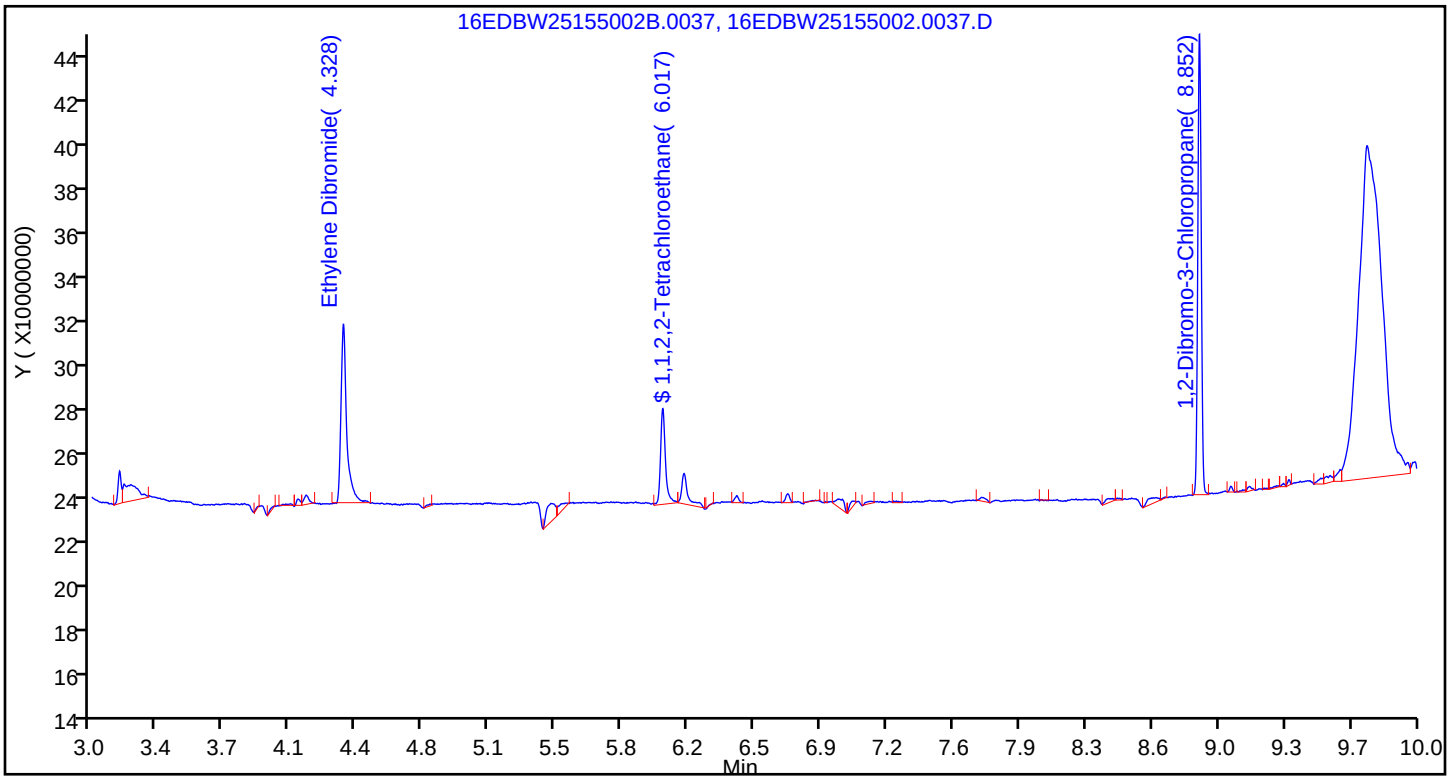
Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0037.D

Injection Date:	06-Jun-2025 21:57:00	Instrument ID:	19853		
Lims ID:	ccv				
Client ID:					
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8011_19853	Limit Group:	GCSV - 8011 Waters		

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/37 Calibration Date: 06/06/2025 21:57

Instrument ID: 19853 Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0037.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	28869903	31790853		2.77	2.51	10.1	40.0
1,2-Dibromo-3-Chloropropane	Ave	66192493	82013613		3.10	2.50	23.9	40.0
1,1,2,2-Tetrachloroethane	Lin		34480912		1.42	1.23	15.0	40.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/37
Calibration Date: 06/06/2025 21:57

Instrument ID: 19853
Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0037.D

Analyte	RT	RT WINDOW	
		FROM	TO
Ethylene Dibromide	4.33	4.30	4.36
1,2-Dibromo-3-Chloropropane	8.85	8.82	8.88
1,1,2,2-Tetrachloroethane	6.02	5.99	6.05

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0037.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 06-Jun-2025 21:57:00 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.620	3.620	0.000	69260544H	2.51	2.84	
2	4.328	4.333	-0.005	79874519H	2.51	2.77	
						RPD = 2.54	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.133	5.127	0.006	39923988H	1.23	1.42	
2	6.017	6.018	-0.001	42497724H	1.23	1.42	
						RPD = 0.12	
3 1,2-Dibromo-3-Chloropropane							
1	8.048	8.040	0.008	205851019H	2.50	3.25	
2	8.852	8.853	-0.001	205034032H	2.50	3.10	
						RPD = 4.90	

Reagents:

GCS_EDB4_00055 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:03:13 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0037.D

Injection Date: 06-Jun-2025 21:57:00 Instrument ID: 19853

Lims ID: ccv

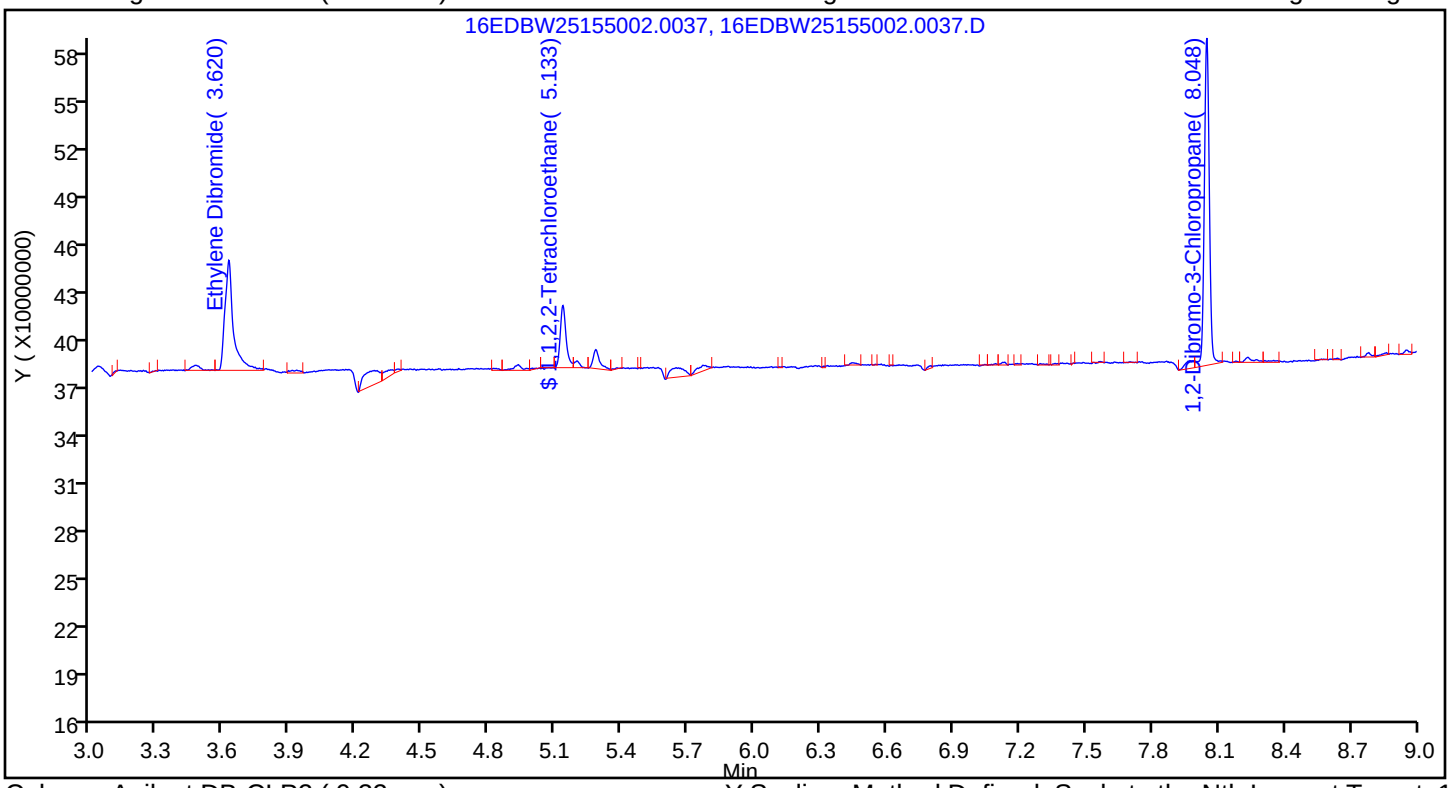
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 37

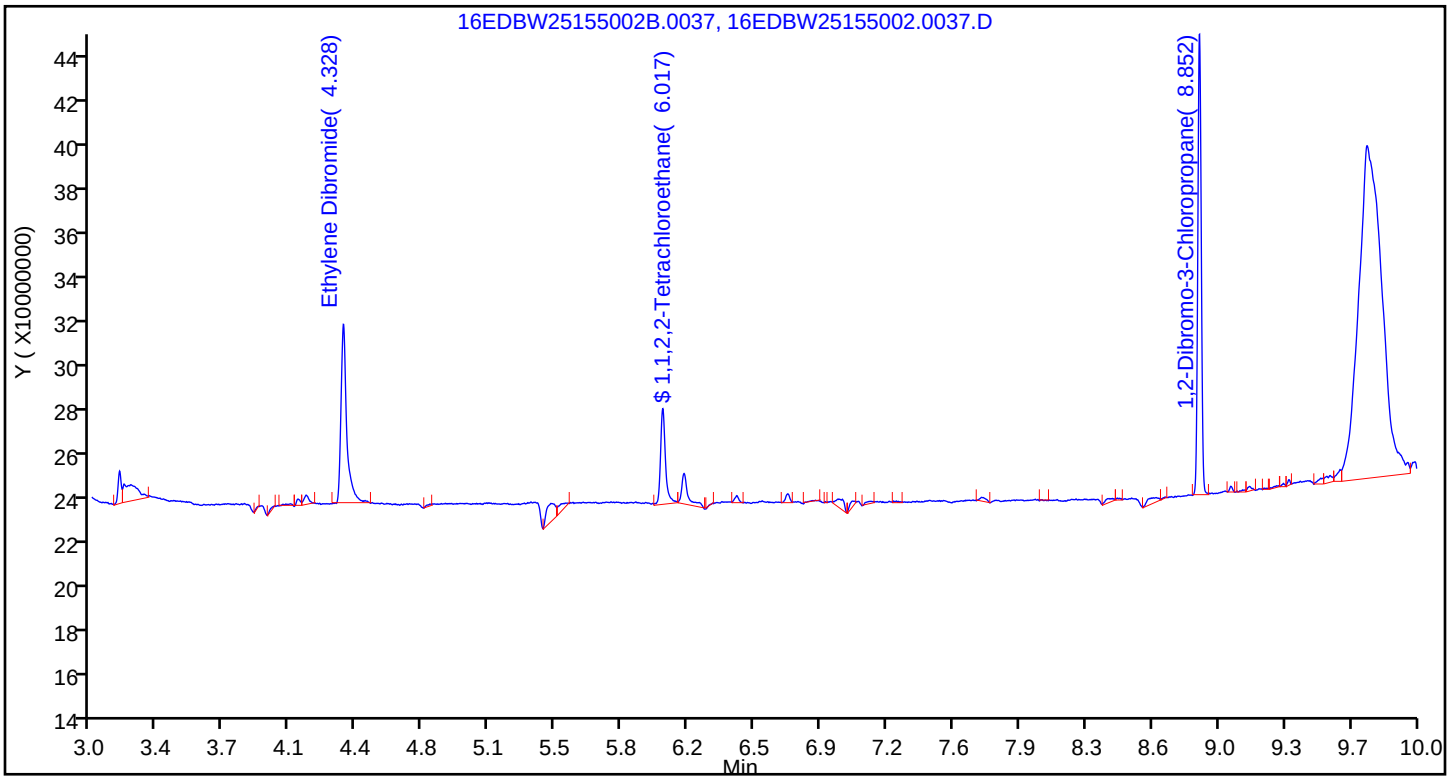
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/52 Calibration Date: 06/07/2025 02:12

Instrument ID: 19853 Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0052.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	24406329	27469003		2.83	2.51	12.5	40.0
1,2-Dibromo-3-Chloropropane	Ave	63280636	71546742		2.83	2.50	13.1	40.0
1,1,2,2-Tetrachloroethane	Lin		30181116		1.32	1.23	6.8	40.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/52
Calibration Date: 06/07/2025 02:12

Instrument ID: 19853
Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0052.D

Analyte	RT	RT WINDOW	
		FROM	TO
Ethylene Dibromide	3.62	3.59	3.65
1,2-Dibromo-3-Chloropropane	8.04	8.01	8.07
1,1,2,2-Tetrachloroethane	5.13	5.10	5.16

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0052.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 07-Jun-2025 02:12:00 ALS Bottle#: 0 Worklist Smp#: 52
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:04:04 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.617	3.620	-0.003	69015869H	2.51	2.83	
2	4.328	4.333	-0.005	76564376H	2.51	2.65	
						RPD = 6.41	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.130	5.127	0.003	37198226H	1.23	1.32	
2	6.015	6.018	-0.003	39181573H	1.23	1.30	
						RPD = 1.22	
3 1,2-Dibromo-3-Chloropropane							
1	8.040	8.040	0.000	178866855H	2.50	2.83	
2	8.852	8.853	-0.001	180729184H	2.50	2.73	
						RPD = 3.46	

Reagents:

GCS_EDB4_00055 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:04:04 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0052.D

Injection Date: 07-Jun-2025 02:12:00 Instrument ID: 19853

Lims ID: ccv

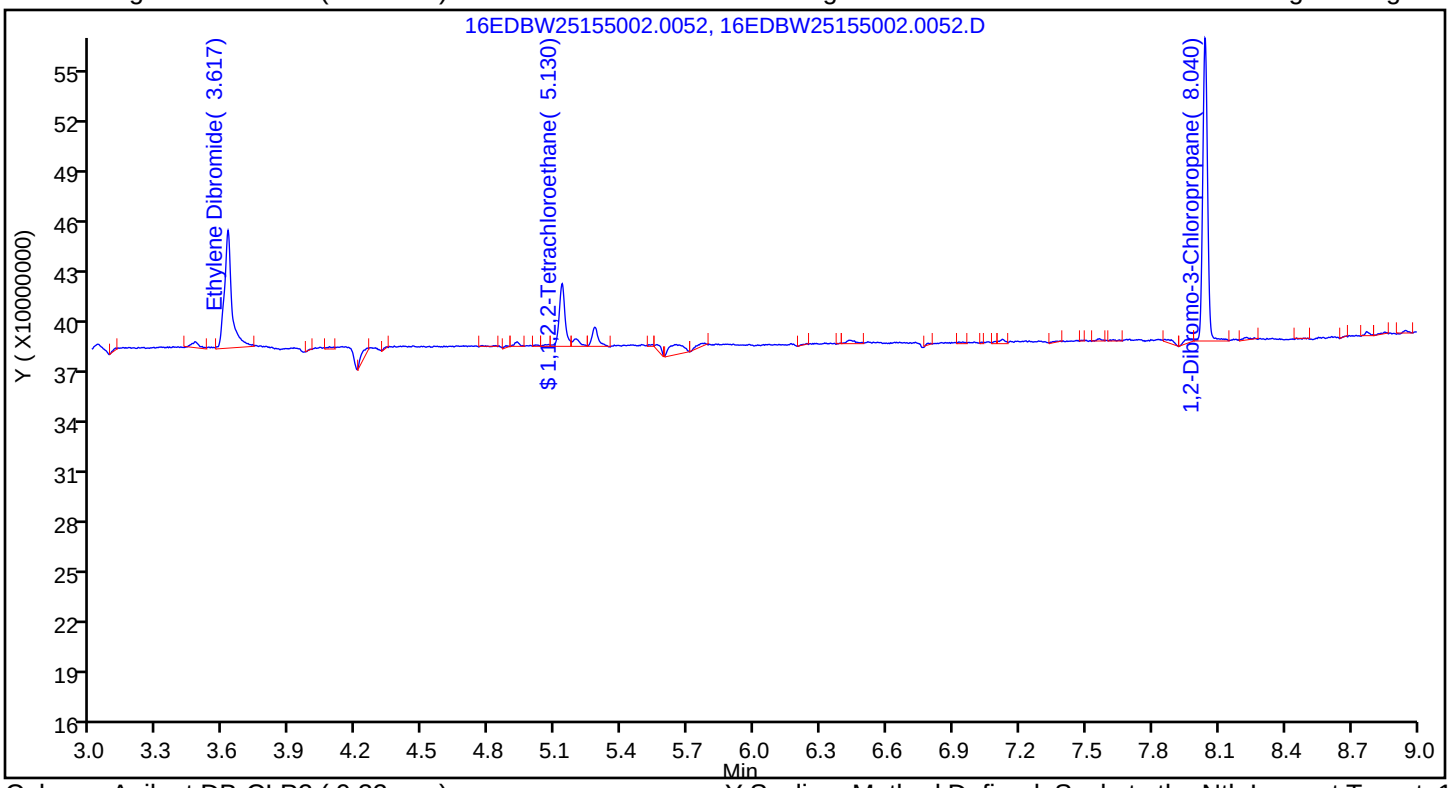
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 52

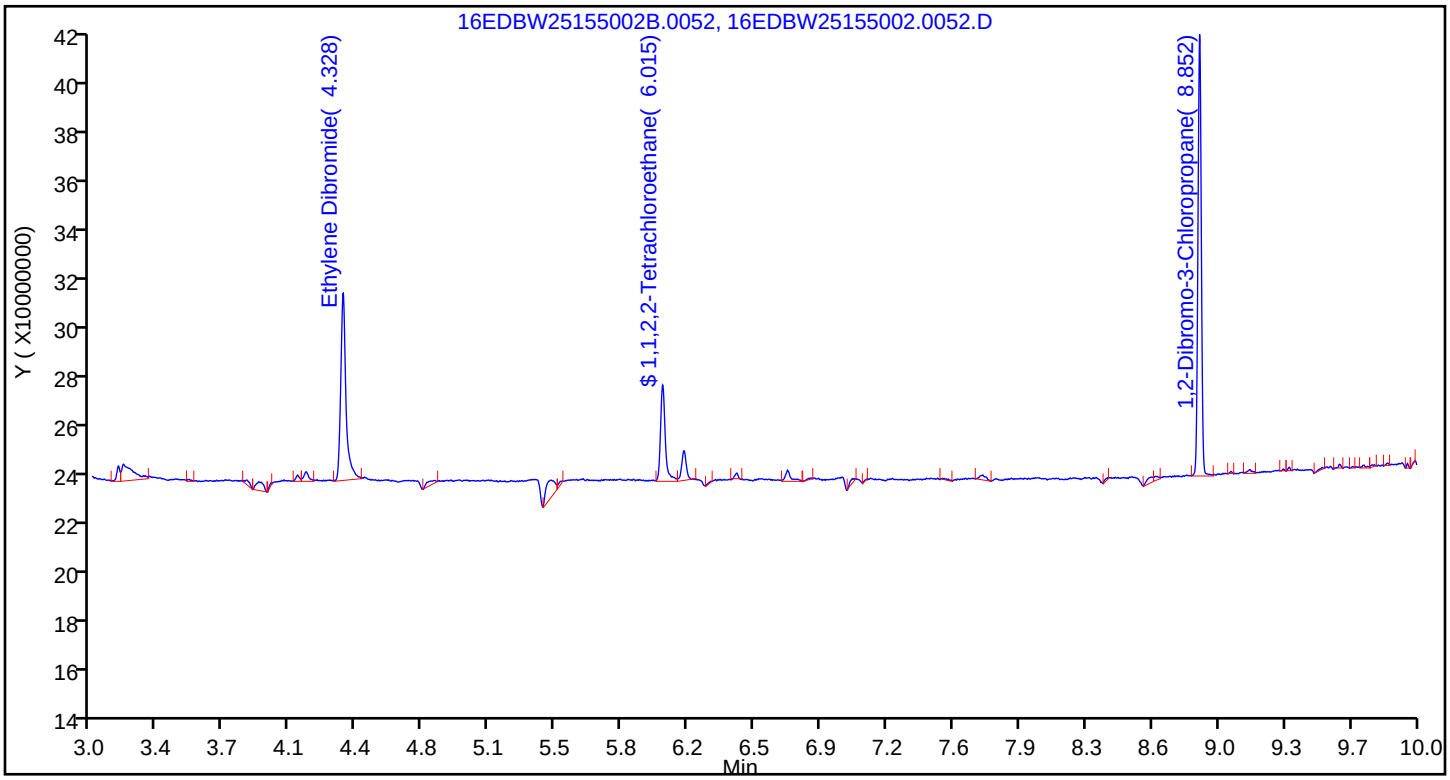
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/52 Calibration Date: 06/07/2025 02:12

Instrument ID: 19853 Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0052.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	28869903	30473383		2.65	2.51	5.6	40.0
1,2-Dibromo-3-Chloropropane	Ave	66192493	72291674		2.73	2.50	9.2	40.0
1,1,2,2-Tetrachloroethane	Lin		31790323		1.30	1.23	5.6	40.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Lab Sample ID: CCV 410-654000/52
Calibration Date: 06/07/2025 02:12

Instrument ID: 19853
Calib Start Date: 06/04/2025 08:21

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 06/04/2025 09:45

Lab File ID: 16EDBW25155002.0052.D

Analyte	RT	RT WINDOW	
		FROM	TO
Ethylene Dibromide	4.33	4.30	4.36
1,2-Dibromo-3-Chloropropane	8.85	8.82	8.88
1,1,2,2-Tetrachloroethane	6.02	5.99	6.05

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0052.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 07-Jun-2025 02:12:00 ALS Bottle#: 0 Worklist Smp#: 52
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv
Operator ID: Instrument ID: 19853
Sublist: chrom-8011_19853*sub1

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:04:04 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.617	3.620	-0.003	69015869H	2.51	2.83	
2	4.328	4.333	-0.005	76564376H	2.51	2.65	
						RPD = 6.41	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.130	5.127	0.003	37198226H	1.23	1.32	
2	6.015	6.018	-0.003	39181573H	1.23	1.30	
						RPD = 1.22	
3 1,2-Dibromo-3-Chloropropane							
1	8.040	8.040	0.000	178866855H	2.50	2.83	
2	8.852	8.853	-0.001	180729184H	2.50	2.73	
						RPD = 3.46	

Reagents:

GCS_EDB4_00055 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:04:04 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0052.D

Injection Date: 07-Jun-2025 02:12:00 Instrument ID: 19853

Lims ID: ccv

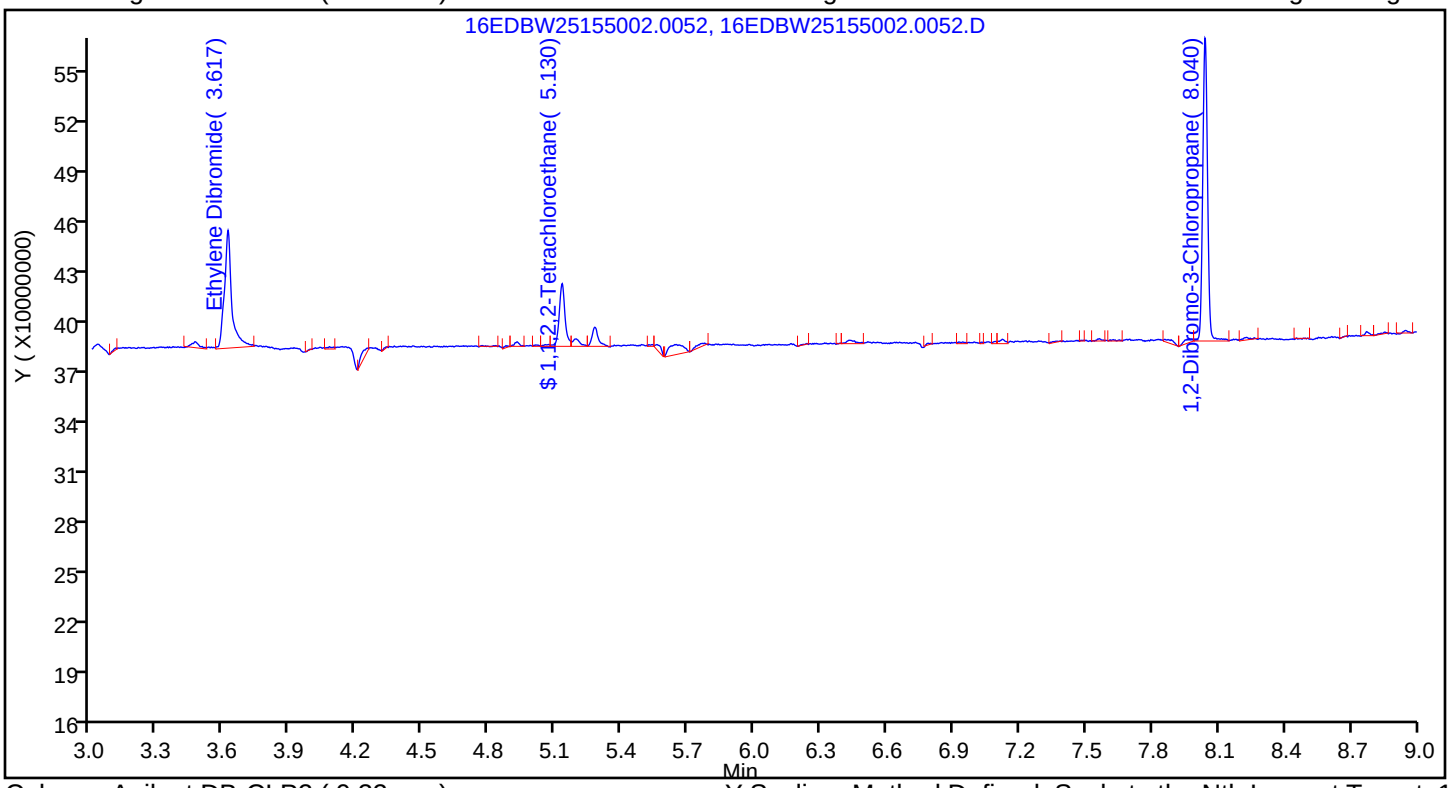
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 52

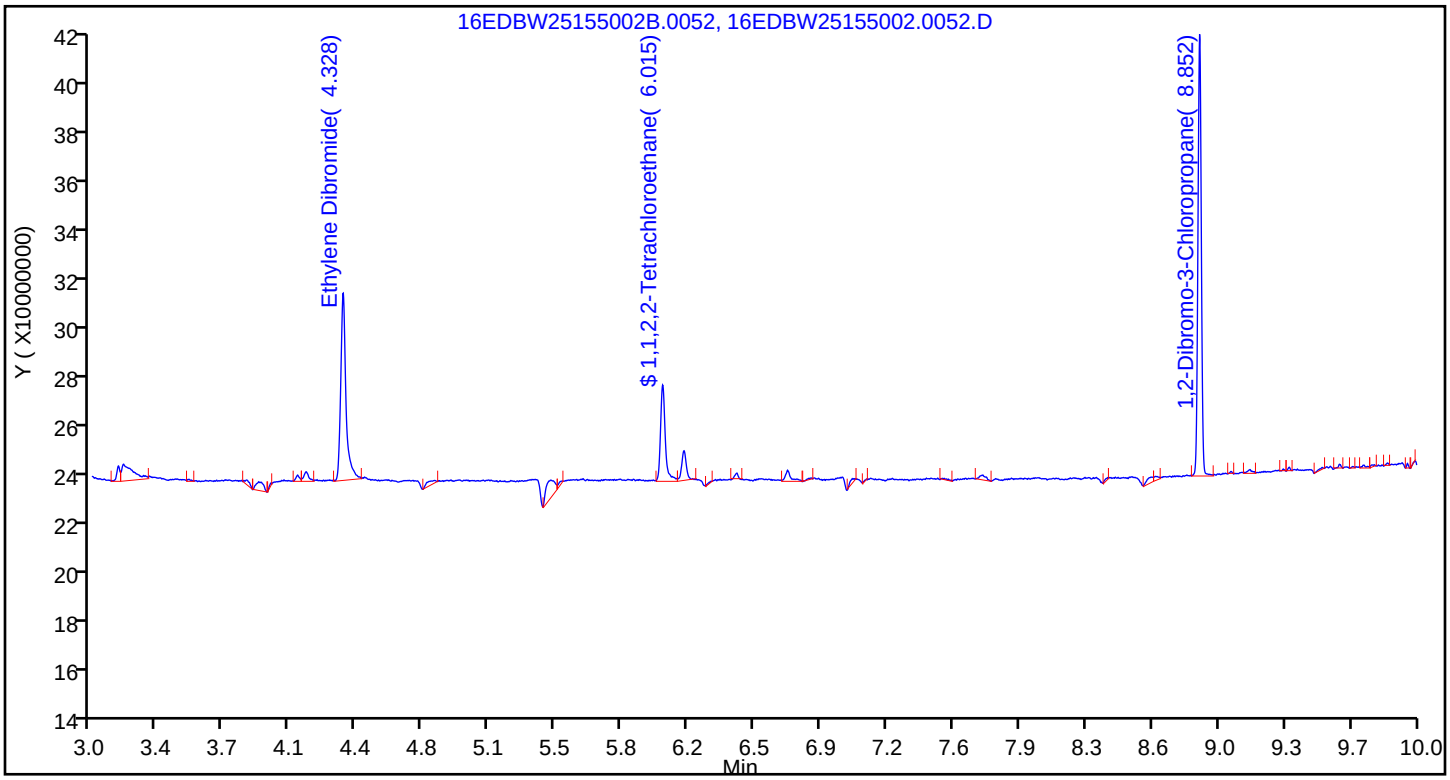
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-653819/1-A

Matrix: Water
Lab File ID: 16EDBW25155002.0024.D

Analysis Method: 8011
Date Collected:

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 35(mL)
Date Analyzed: 06/06/2025 18:16

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		0.020	0.010
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.020	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	140	S1+	46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0024.D
Lims ID: MB 410-653819/1-A
Client ID:
Sample Type: MB
Inject. Date: 06-Jun-2025 18:16:00 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-653819/1-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:05 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

First Level Reviewer: URS0 Date: 09-Jun-2025 07:52:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1		3.620				ND	
2		4.333					
$ 2 1,1,2,2-Tetrachloroethane							
1	5.135	5.127	0.008	48489800H	1.23	1.72	
2	6.015	6.018	-0.003	47982843H	1.23	1.61	
						RPD = 6.94	
3 1,2-Dibromo-3-Chloropropane							
1	8.067	8.040	0.027	1959482H		0.0310	
2	8.827	8.853	-0.026	837255H		0.0126	
						RPD = 83.99	
4 Chlorodibromomethane							
1		0.000				ND	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Report Date: 09-Jun-2025 08:02:32 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0024.D

Injection Date: 06-Jun-2025 18:16:00 Instrument ID: 19853

Lims ID: MB 410-653819/1-A

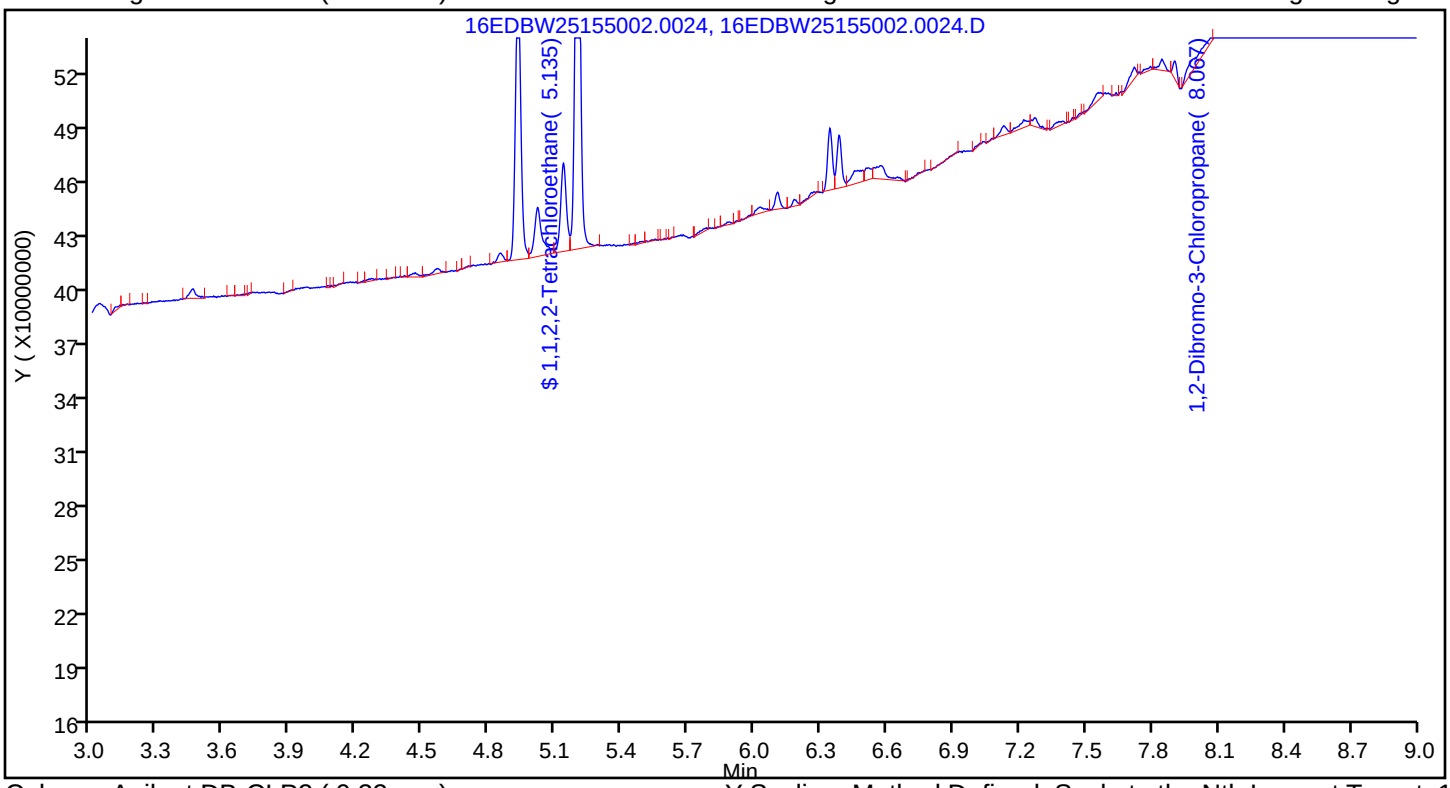
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 24

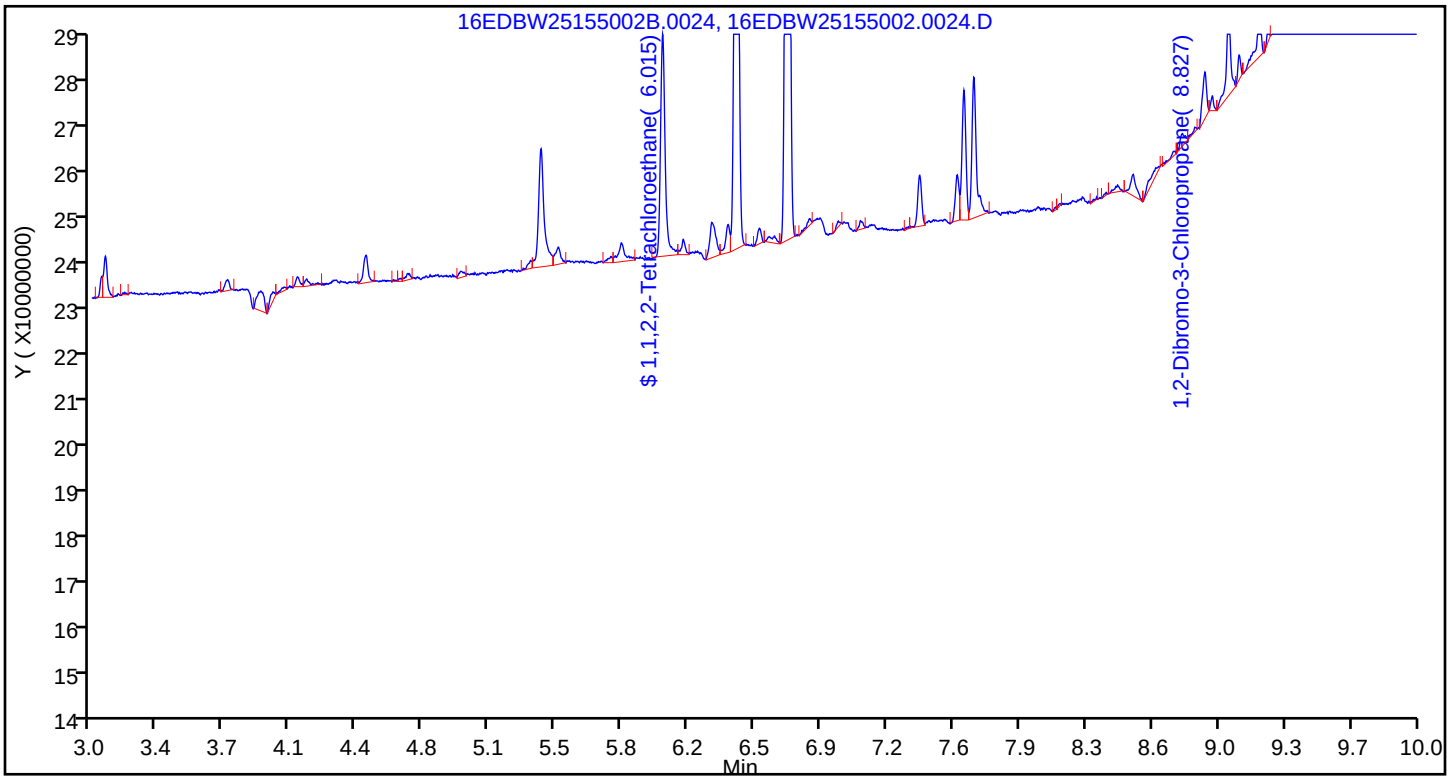
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0024.D				
Lims ID:	MB 410-653819/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	06-Jun-2025 18:16:00	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 410-653819/1-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:02:05	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				
First Level Reviewer: URS0		Date:	09-Jun-2025 07:52:50		

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.72	139.94

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.61	130.55

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-653819/1-A

Matrix: Water
Lab File ID: 16EDBW25155002.0024.D

Analysis Method: 8011
Date Collected:

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 35(mL)
Date Analyzed: 06/06/2025 18:16

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	131		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0024.D
Lims ID: MB 410-653819/1-A
Client ID:
Sample Type: MB
Inject. Date: 06-Jun-2025 18:16:00 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-653819/1-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:05 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

First Level Reviewer: URS0 Date: 09-Jun-2025 07:52:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1		3.620				ND	
2		4.333					
$ 2 1,1,2,2-Tetrachloroethane							
1	5.135	5.127	0.008	48489800H	1.23	1.72	
2	6.015	6.018	-0.003	47982843H	1.23	1.61	
						RPD = 6.94	
3 1,2-Dibromo-3-Chloropropane							
1	8.067	8.040	0.027	1959482H		0.0310	
2	8.827	8.853	-0.026	837255H		0.0126	
						RPD = 83.99	
4 Chlorodibromomethane							
1		0.000				ND	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Report Date: 09-Jun-2025 08:02:33 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0024.D

Injection Date: 06-Jun-2025 18:16:00 Instrument ID: 19853

Lims ID: MB 410-653819/1-A

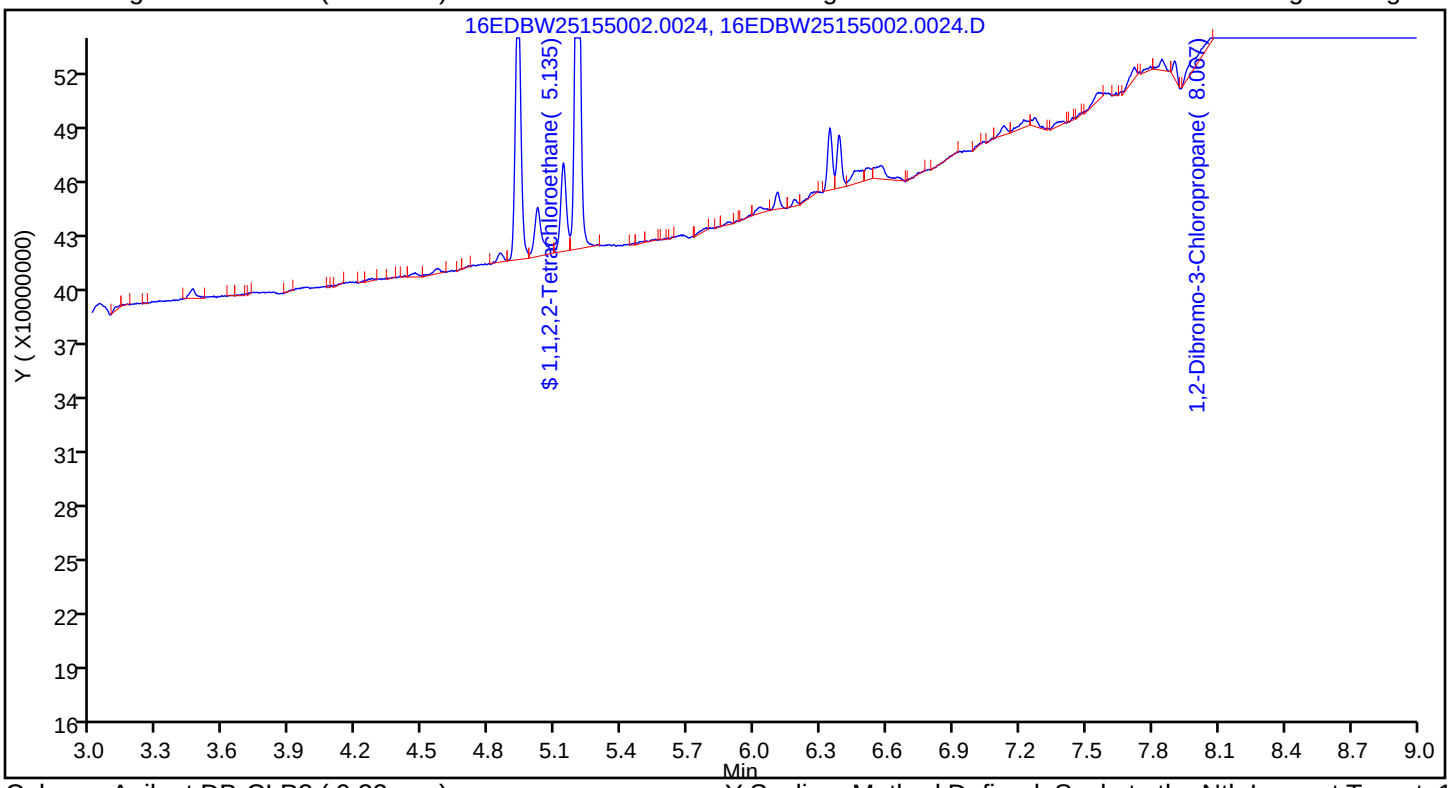
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 24

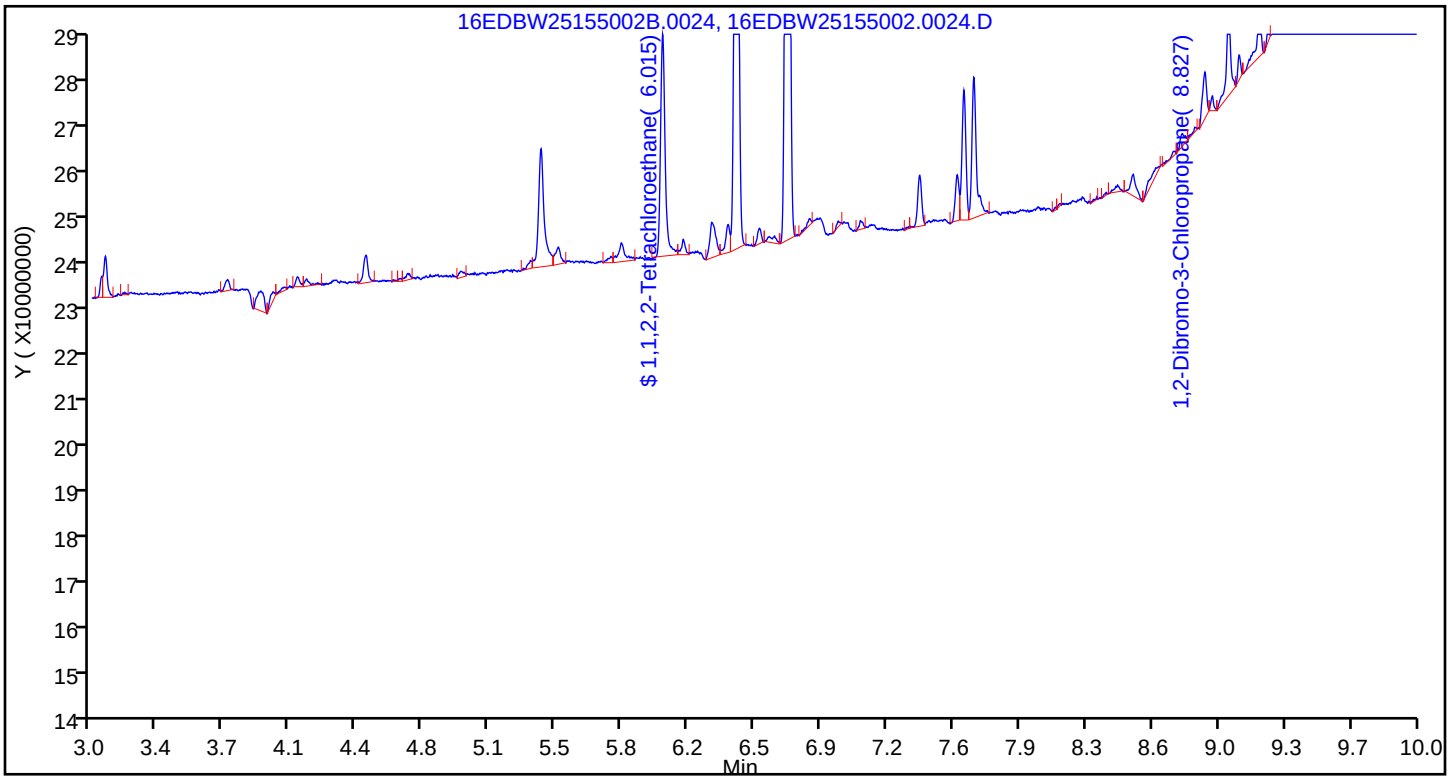
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0024.D				
Lims ID:	MB 410-653819/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	06-Jun-2025 18:16:00	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 410-653819/1-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:02:05	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				
First Level Reviewer: URS0		Date:	09-Jun-2025 07:52:50		

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.72	139.94

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.61	130.55

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-654000/16

Matrix: Water
Lab File ID: 16EDBW25155002.0016.D

Analysis Method: 8011
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 06/06/2025 15:59

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.:
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		0.35	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.35	0.18

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	115		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0016.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 06-Jun-2025 15:59:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:05 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1		3.620				ND	
2		4.333					
$ 2 1,1,2,2-Tetrachloroethane							
1	5.130	5.127	0.003	38272426H	1.18	1.36	
2	6.015	6.018	-0.003	39733102H	1.18	1.32	
						RPD = 2.65	
3 1,2-Dibromo-3-Chloropropane							
1		8.040				ND	
2		8.853					
4 Chlorodibromomethane							
1		0.000				ND	

Reagents:

GCS_EIBK_00014 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:02:10 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0016.D

Injection Date: 06-Jun-2025 15:59:00 Instrument ID: 19853

Lims ID: piblk

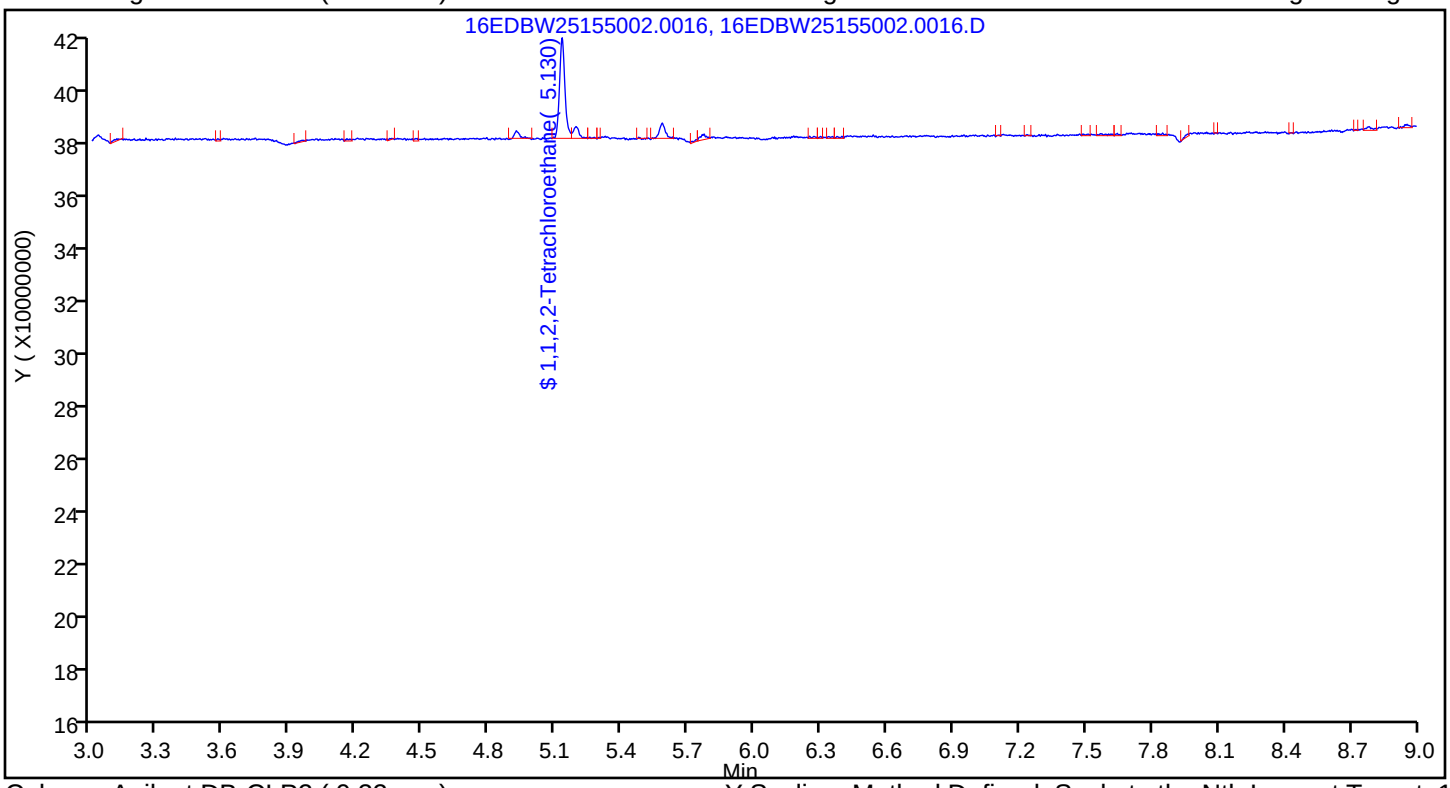
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 16

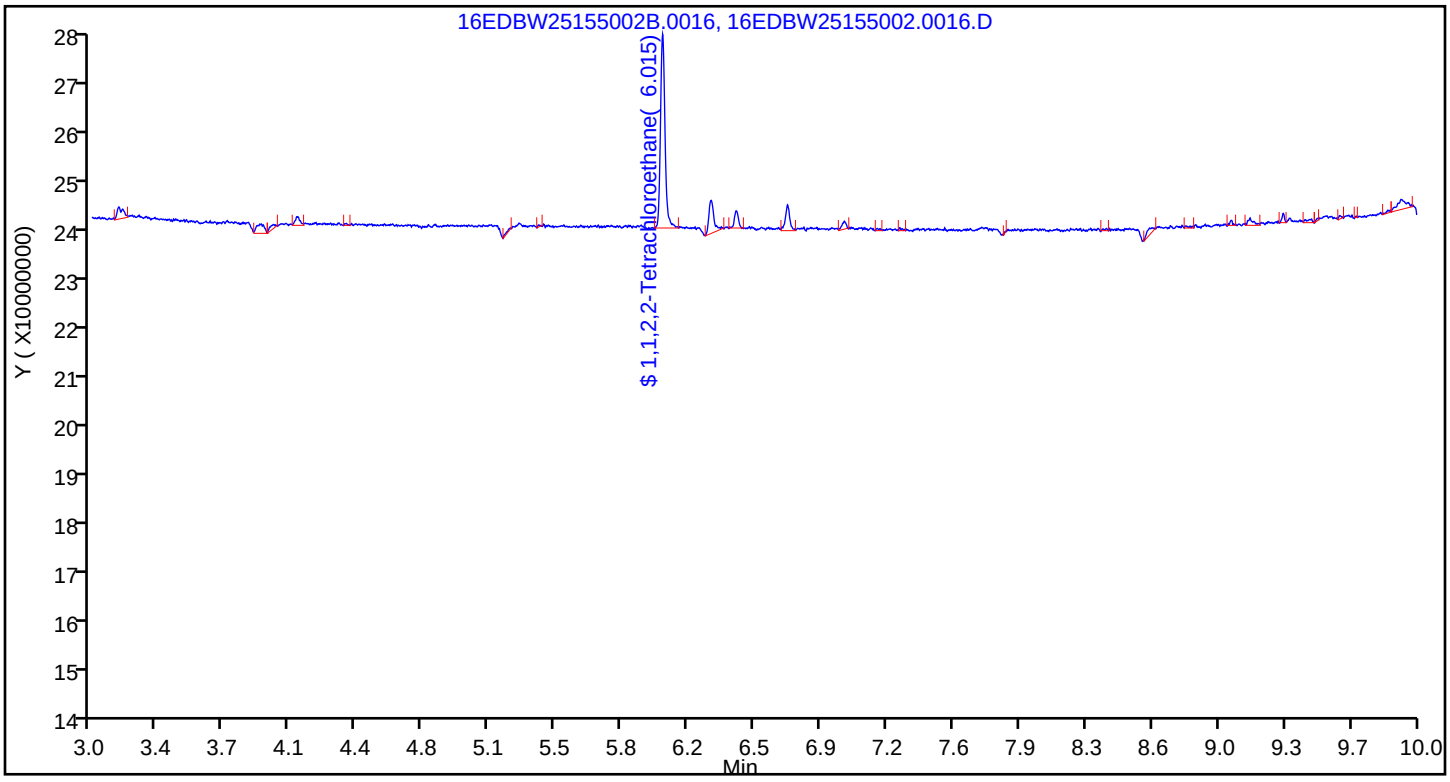
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0016.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	06-Jun-2025 15:59:00	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:02:05	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.36	114.58

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.32	111.59

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-654000/16

Matrix: Water
Lab File ID: 16EDBW25155002.0016.D

Analysis Method: 8011
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 06/06/2025 15:59

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.:
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	*Ethylene Dibromide*	*ND*		*0.35*	*0.18*
96-12-8	*1,2-Dibromo-3-Chloropropane*	*ND*		*0.35*	*0.18*

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	112		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0016.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 06-Jun-2025 15:59:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:05 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1		3.620				ND	
2		4.333					
$ 2 1,1,2,2-Tetrachloroethane							
1	5.130	5.127	0.003	38272426H	1.18	1.36	
2	6.015	6.018	-0.003	39733102H	1.18	1.32	
						RPD = 2.65	
3 1,2-Dibromo-3-Chloropropane							
1		8.040				ND	
2		8.853					
4 Chlorodibromomethane							
1		0.000				ND	

Reagents:

GCS_EIBK_00014 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:02:10 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0016.D

Injection Date: 06-Jun-2025 15:59:00 Instrument ID: 19853

Lims ID: piblk

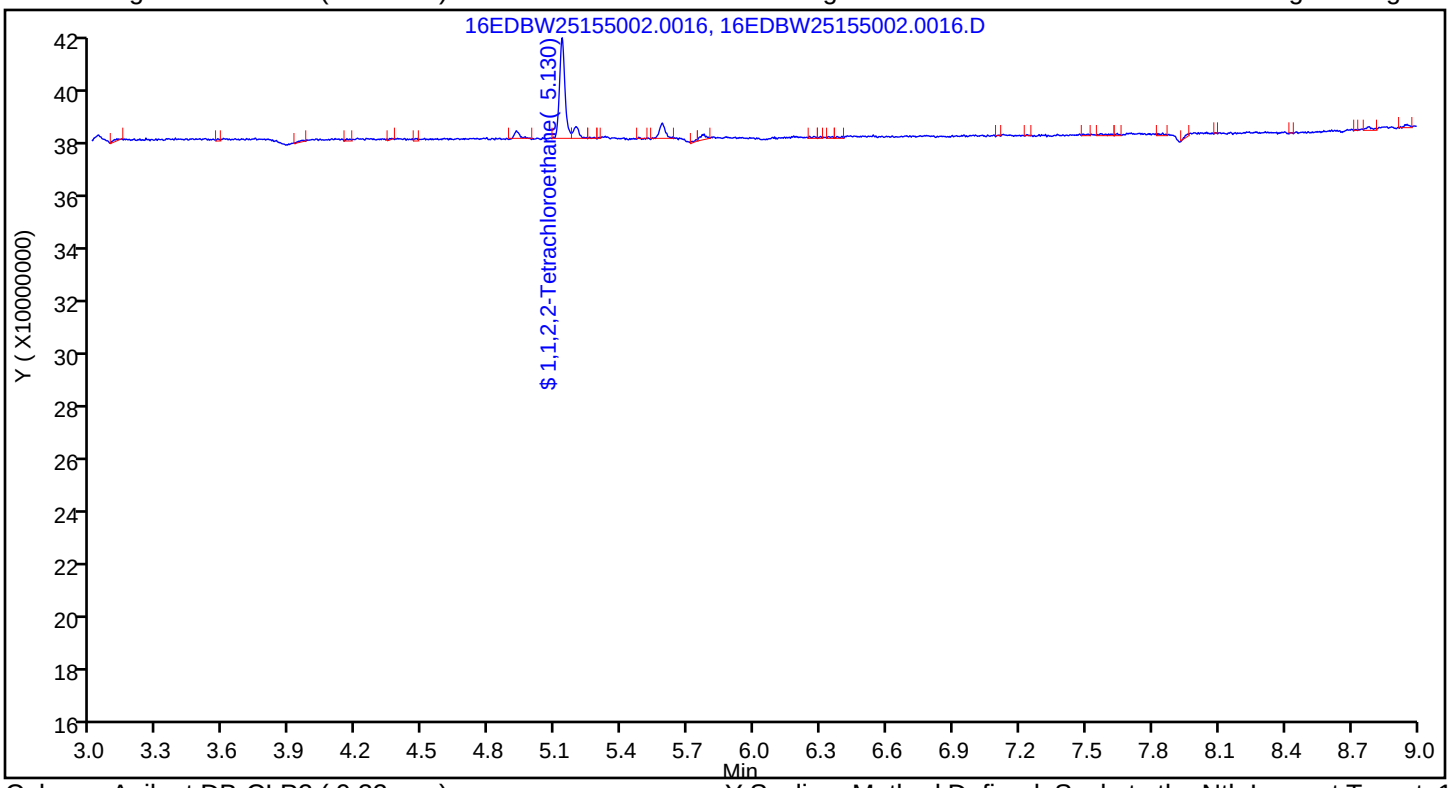
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 16

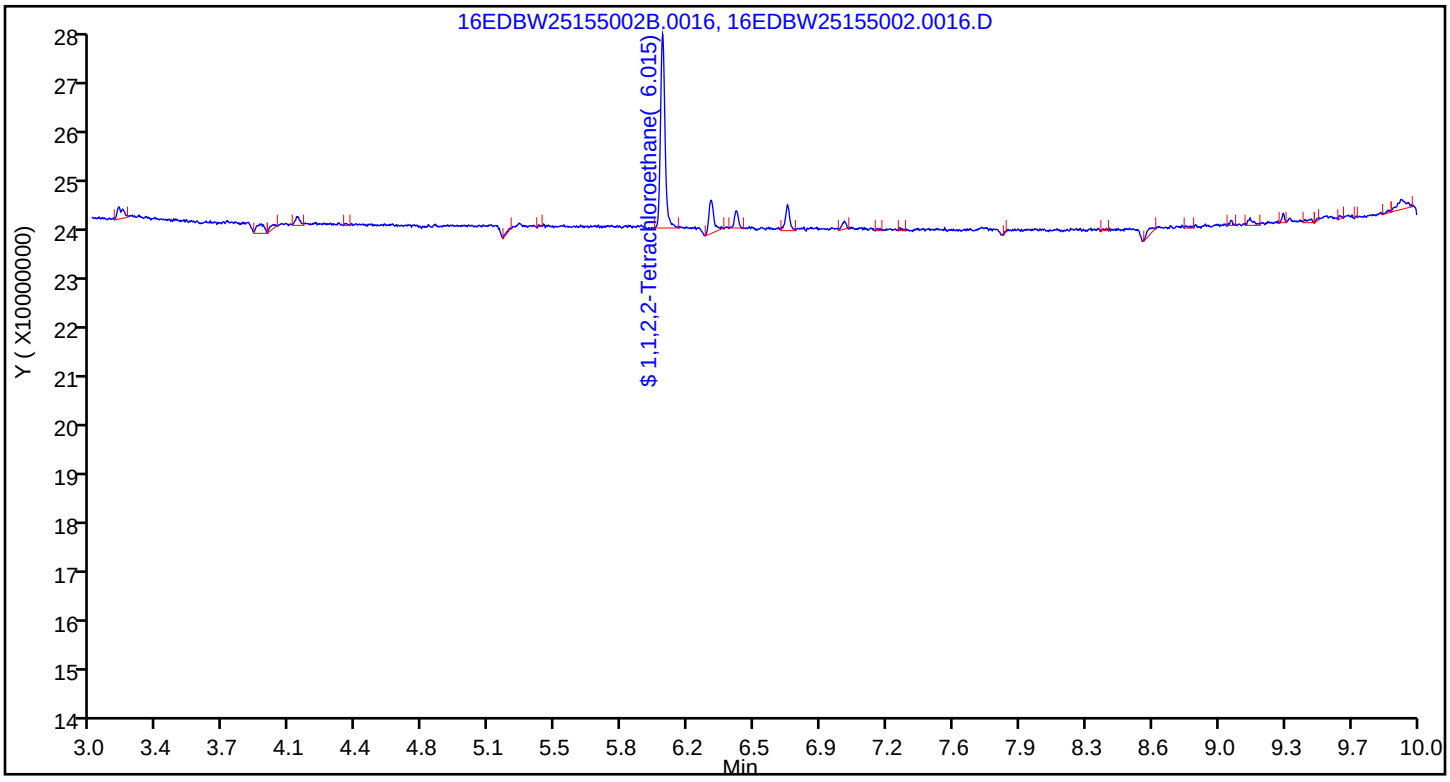
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0016.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	06-Jun-2025 15:59:00	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:02:05	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.36	114.58

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.32	111.59

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-654000/26

Matrix: Water
Lab File ID: 16EDBW25155002.0026.D

Analysis Method: 8011
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 06/06/2025 18:50

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.:
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		0.35	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.35	0.18

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	111		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0026.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 06-Jun-2025 18:50:00 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:36 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

	Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	1 Ethylene Dibromide							
	1		3.620				ND	
	2		4.333					
$	2 1,1,2,2-Tetrachloroethane							
	1	5.133	5.127	0.006	37012843H	1.18	1.31	
	2	6.013	6.018	-0.005	37564482H	1.18	1.24	
							RPD = 5.15	
	3 1,2-Dibromo-3-Chloropropane							
	1		8.040				ND	
	2		8.853					
	4 Chlorodibromomethane							
	1		0.000				ND	

Reagents:

GCS_EIBK_00014 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:02:40 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0026.D

Injection Date: 06-Jun-2025 18:50:00 Instrument ID: 19853

Lims ID: piblk

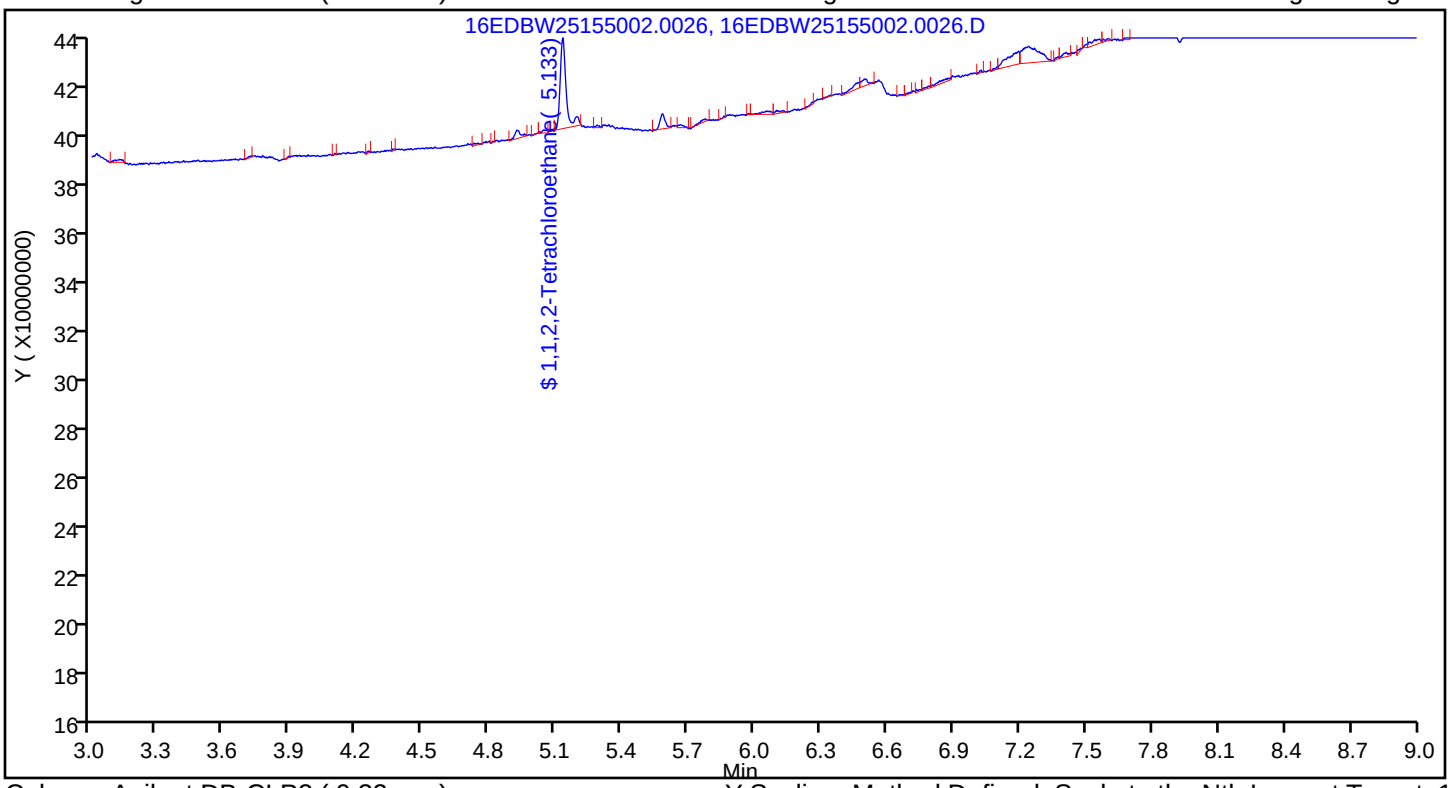
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 26

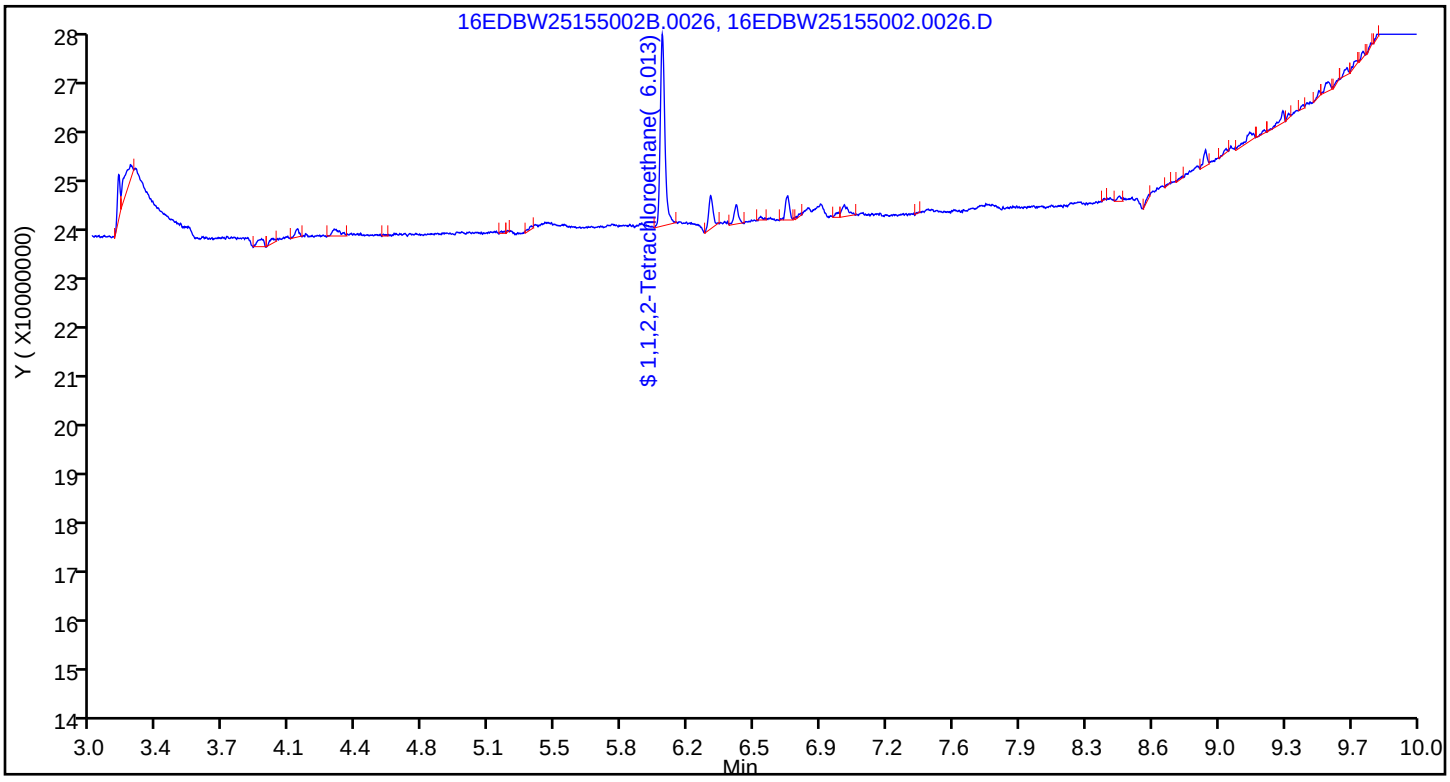
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0026.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	06-Jun-2025 18:50:00	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:02:36	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.31	110.73

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.24	105.17

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-654000/26

Matrix: Water
Lab File ID: 16EDBW25155002.0026.D

Analysis Method: 8011
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 06/06/2025 18:50

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.:
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	*Ethylene Dibromide*	*ND*		*0.35*	*0.18*
96-12-8	*1,2-Dibromo-3-Chloropropane*	*ND*		*0.35*	*0.18*

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	105		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0026.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 06-Jun-2025 18:50:00 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:36 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1		3.620				ND	
2		4.333					
$ 2 1,1,2,2-Tetrachloroethane							
1	5.133	5.127	0.006	37012843H	1.18	1.31	
2	6.013	6.018	-0.005	37564482H	1.18	1.24	
						RPD = 5.15	
3 1,2-Dibromo-3-Chloropropane							
1		8.040				ND	
2		8.853					
4 Chlorodibromomethane							
1		0.000				ND	

Reagents:

GCS_EIBK_00014 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:02:41 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0026.D

Injection Date: 06-Jun-2025 18:50:00 Instrument ID: 19853

Lims ID: piblk

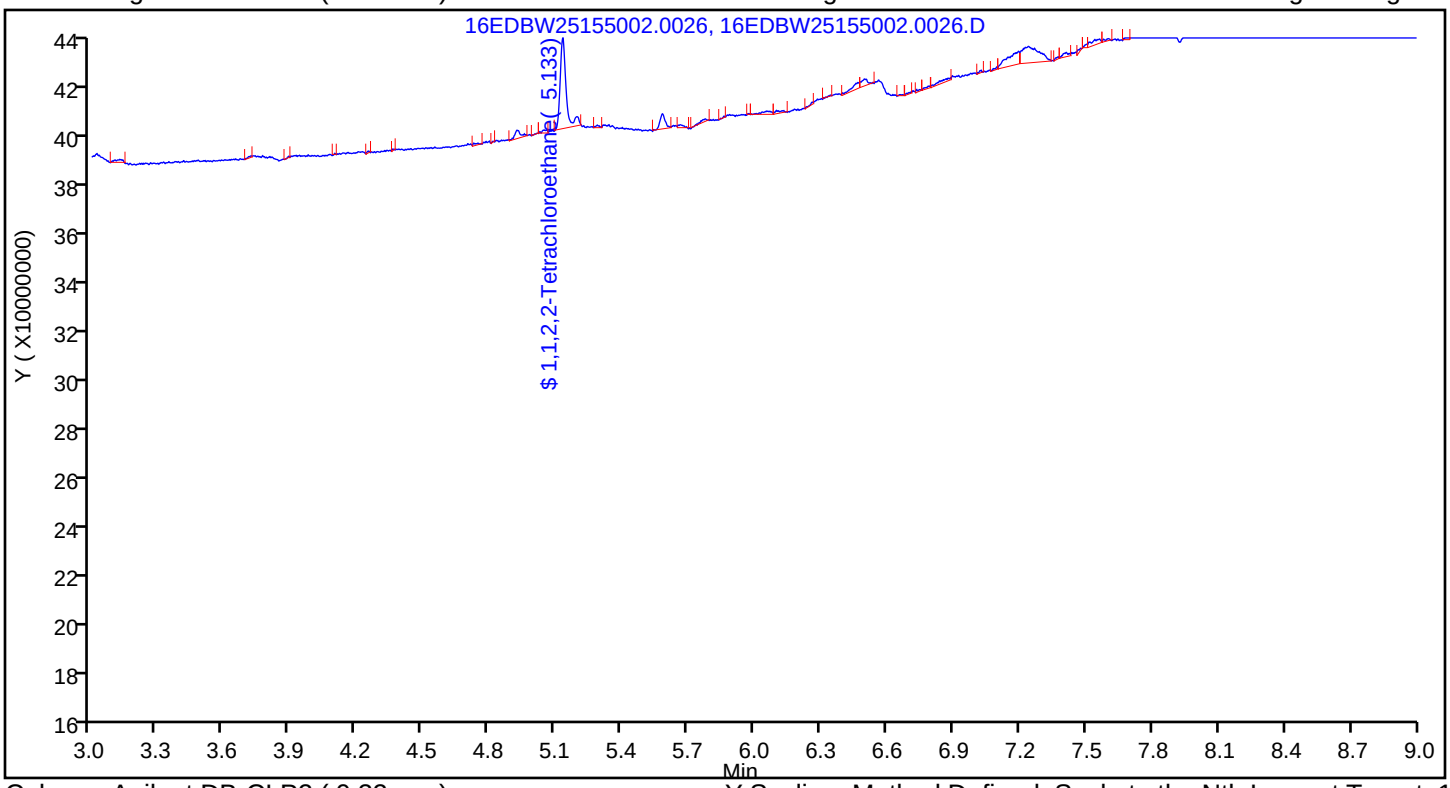
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 26

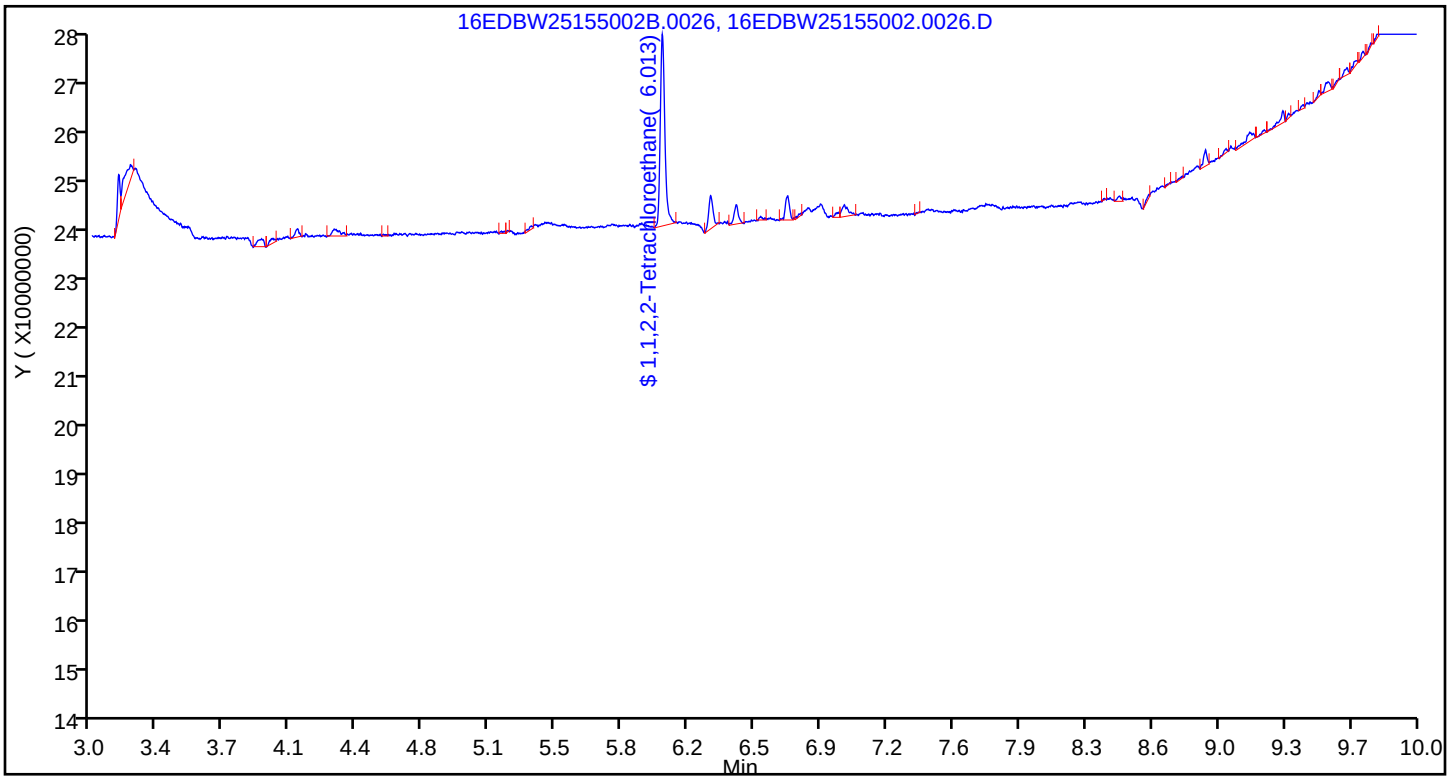
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0026.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	06-Jun-2025 18:50:00	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:02:36	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.31	110.73

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.24	105.17

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-654000/38

Matrix: Water
Lab File ID: 16EDBW25155002.0038.D

Analysis Method: 8011
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 06/06/2025 22:14

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.:
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		0.35	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.35	0.18

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	125		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0038.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 06-Jun-2025 22:14:00 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1		3.620				ND	
2		4.333					
$ 2 1,1,2,2-Tetrachloroethane							
1	5.132	5.127	0.005	41776114H	1.18	1.48	
2	6.018	6.018	0.000	44250679H	1.18	1.48	
						RPD = 0.26	
3 1,2-Dibromo-3-Chloropropane							
1		8.040				ND	
2		8.853					
4 Chlorodibromomethane							
1		0.000				ND	

Reagents:

GCS_EIBK_00014 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:03:18 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0038.D

Injection Date: 06-Jun-2025 22:14:00 Instrument ID: 19853

Lims ID: piblk

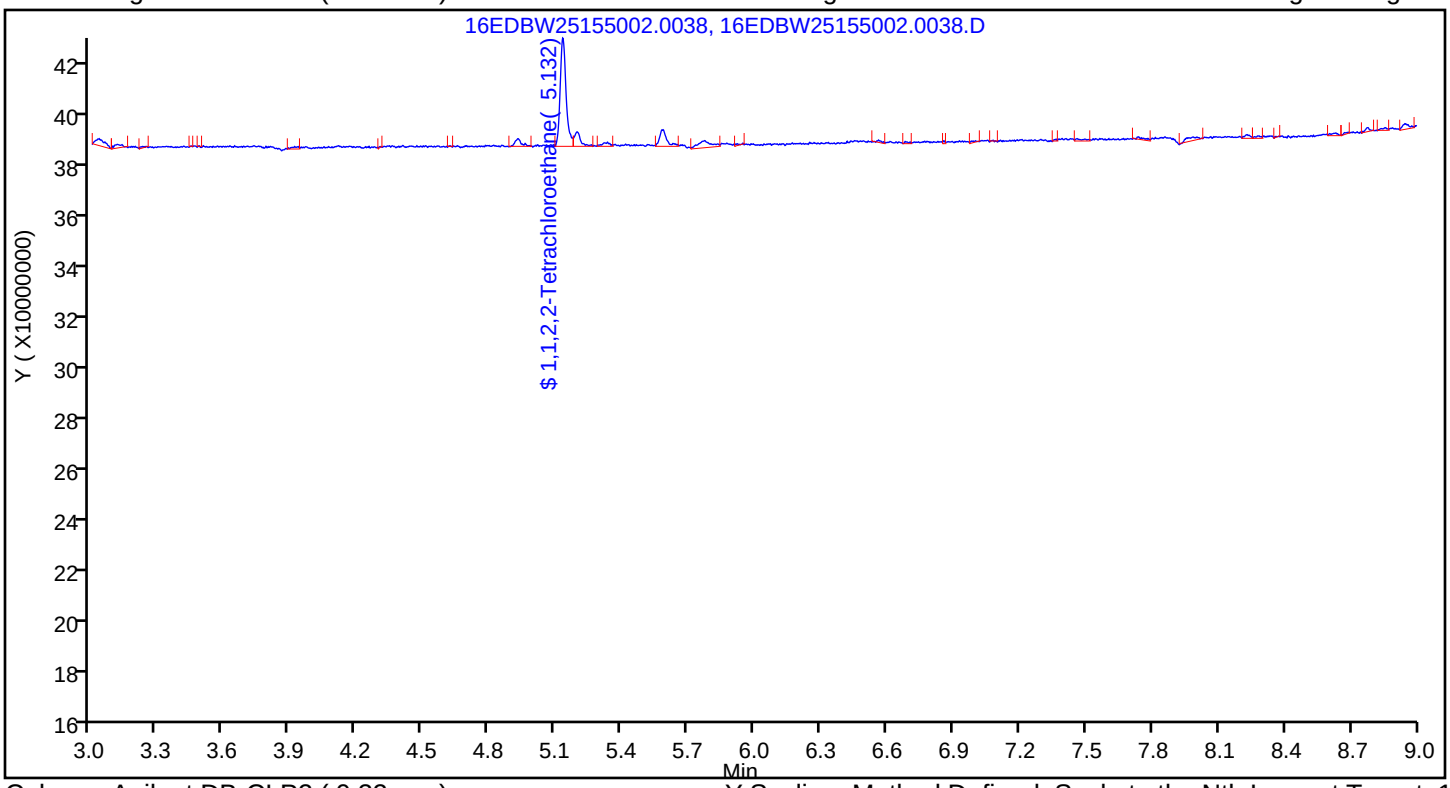
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 38

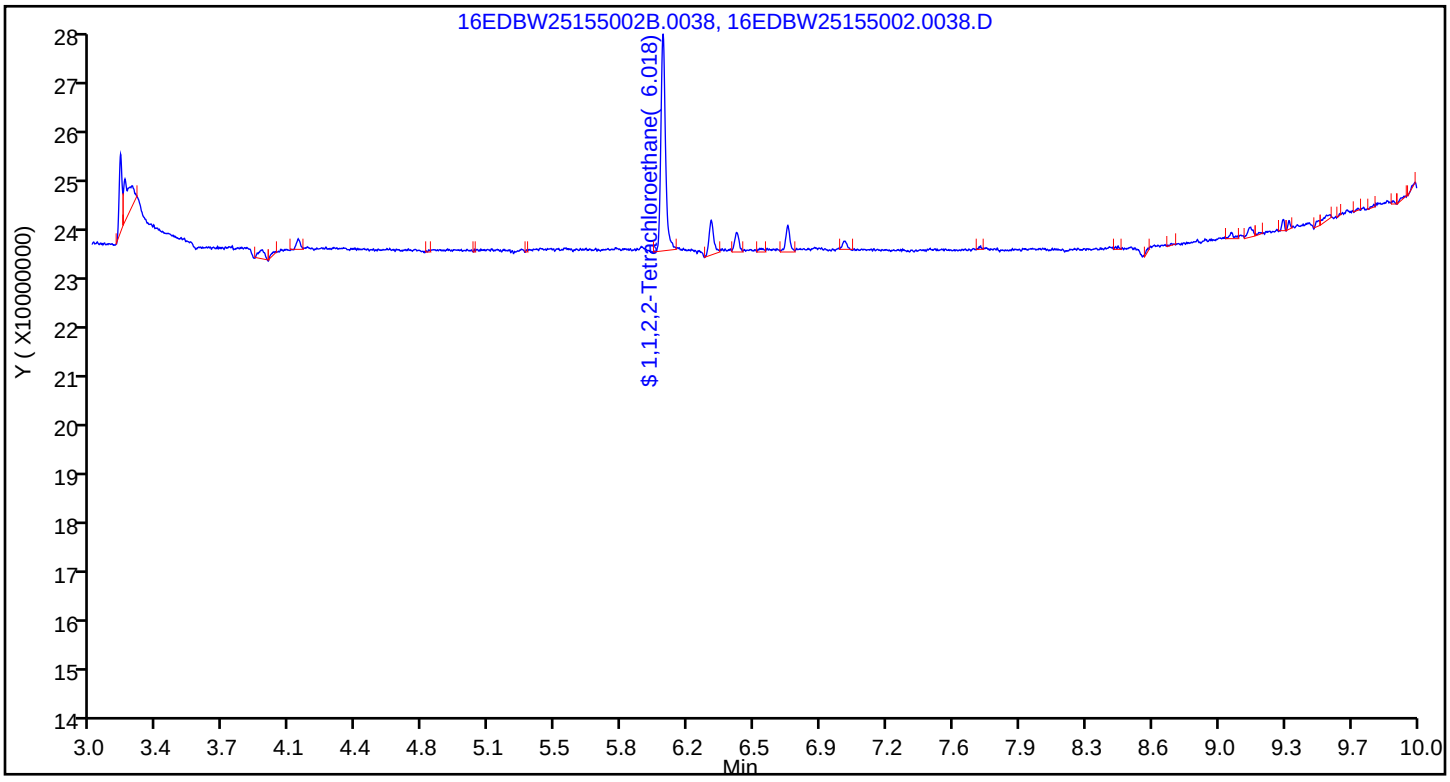
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0038.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	06-Jun-2025 22:14:00	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.48	125.28

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.48	124.95

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-654000/38

Matrix: Water
Lab File ID: 16EDBW25155002.0038.D

Analysis Method: 8011
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 06/06/2025 22:14

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.:
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	*Ethylene Dibromide*	*ND*		*0.35*	*0.18*
96-12-8	*1,2-Dibromo-3-Chloropropane*	*ND*		*0.35*	*0.18*

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	125		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0038.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 06-Jun-2025 22:14:00 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1		3.620				ND	
2		4.333					
$ 2 1,1,2,2-Tetrachloroethane							
1	5.132	5.127	0.005	41776114H	1.18	1.48	
2	6.018	6.018	0.000	44250679H	1.18	1.48	
						RPD = 0.26	
3 1,2-Dibromo-3-Chloropropane							
1		8.040				ND	
2		8.853					
4 Chlorodibromomethane							
1		0.000				ND	

Reagents:

GCS_EIBK_00014 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:03:18 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0038.D

Injection Date: 06-Jun-2025 22:14:00 Instrument ID: 19853

Lims ID: piblk

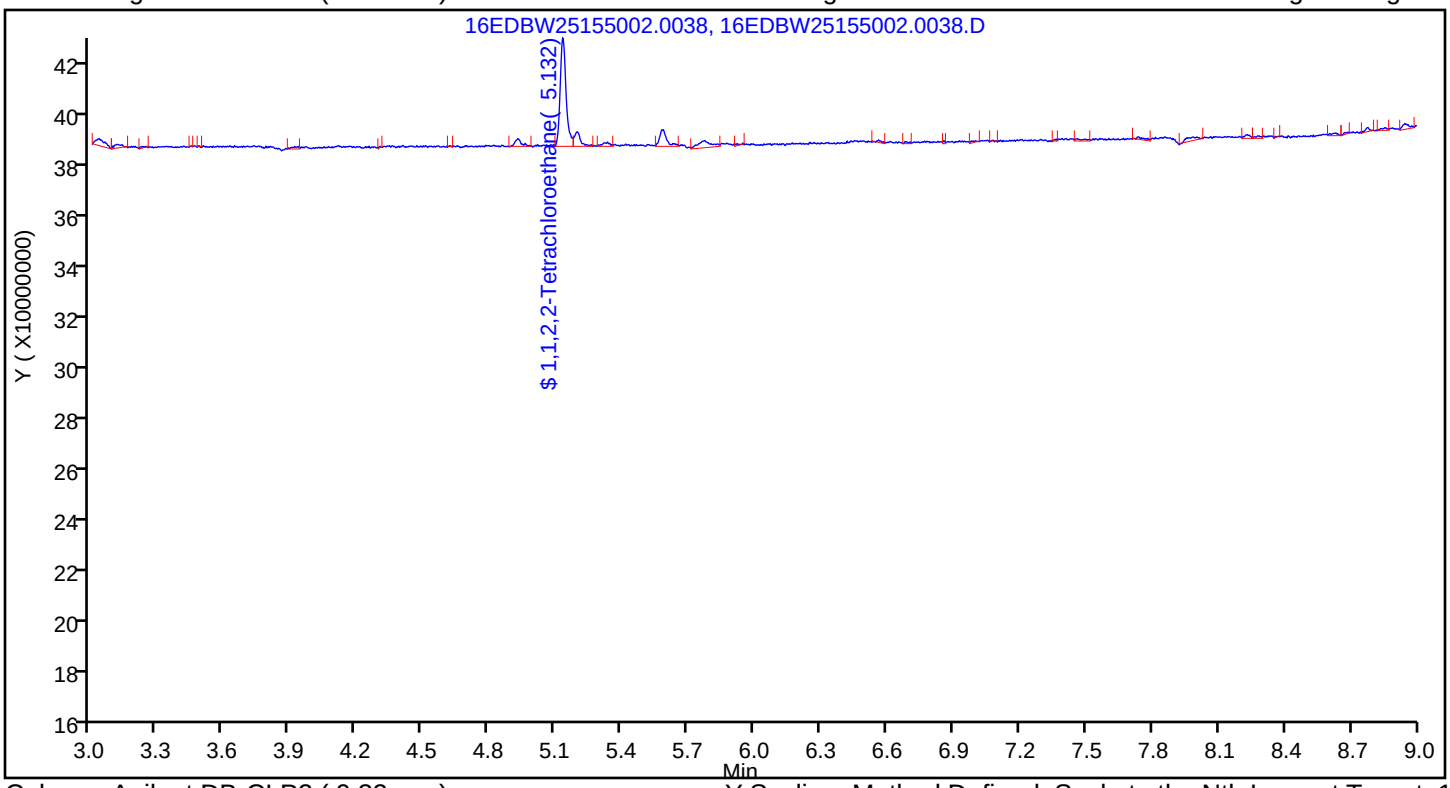
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 38

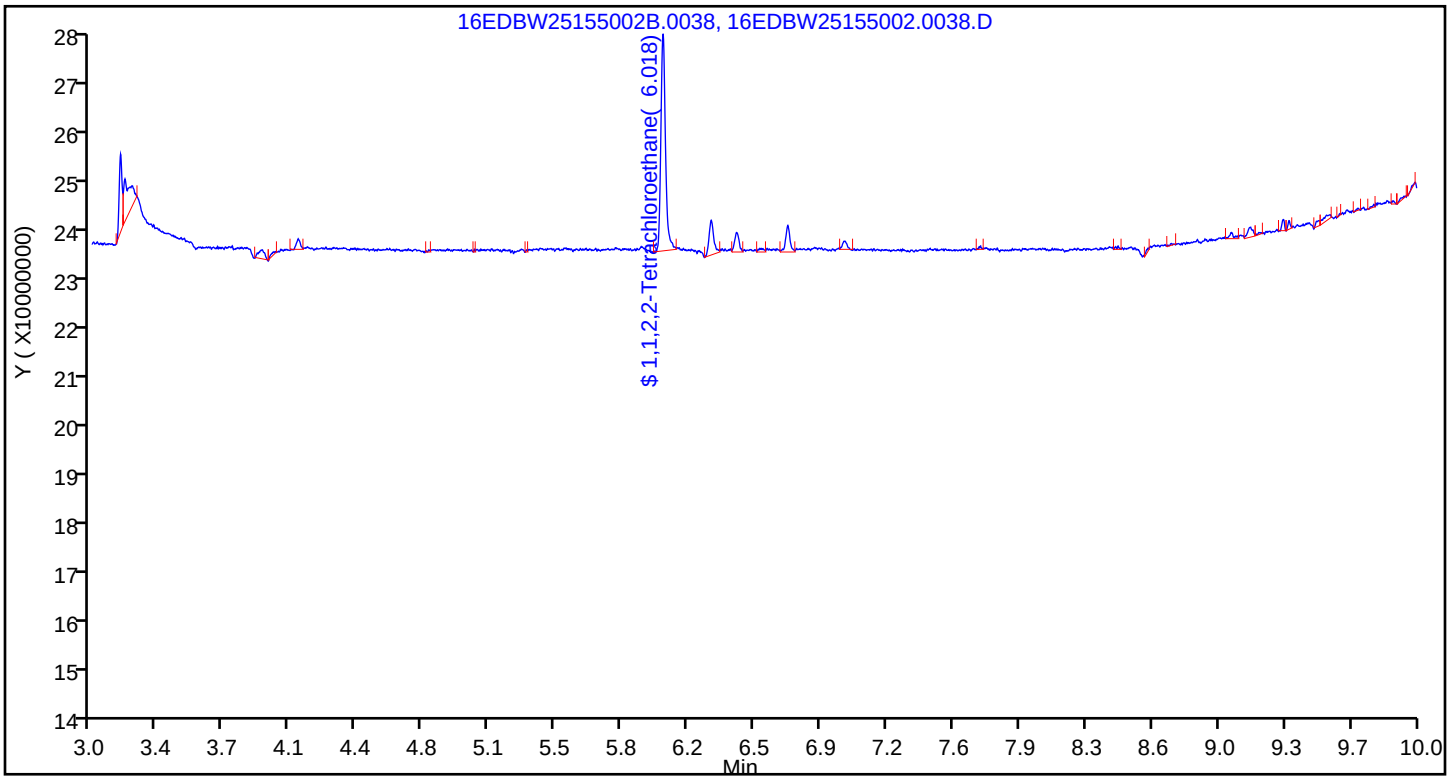
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0038.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	06-Jun-2025 22:14:00	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.48	125.28

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.48	124.95

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-654000/53

Matrix: Water
Lab File ID: 16EDBW25155002.0053.D

Analysis Method: 8011
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol:
Date Analyzed: 06/07/2025 02:29

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.:
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	ND		0.35	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.35	0.18

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	116		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0053.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 07-Jun-2025 02:29:00 ALS Bottle#: 0 Worklist Smp#: 53
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:04:04 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1		3.620				ND	
2		4.333					
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	38868529H	1.18	1.38	
2	6.015	6.018	-0.003	40887449H	1.18	1.36	
						RPD = 1.21	
3 1,2-Dibromo-3-Chloropropane							
1		8.040				ND	
2		8.853					
4 Chlorodibromomethane							
1		0.000				ND	

Reagents:

GCS_EIBK_00014 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:04:05 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0053.D

Injection Date: 07-Jun-2025 02:29:00 Instrument ID: 19853

Lims ID: piblk

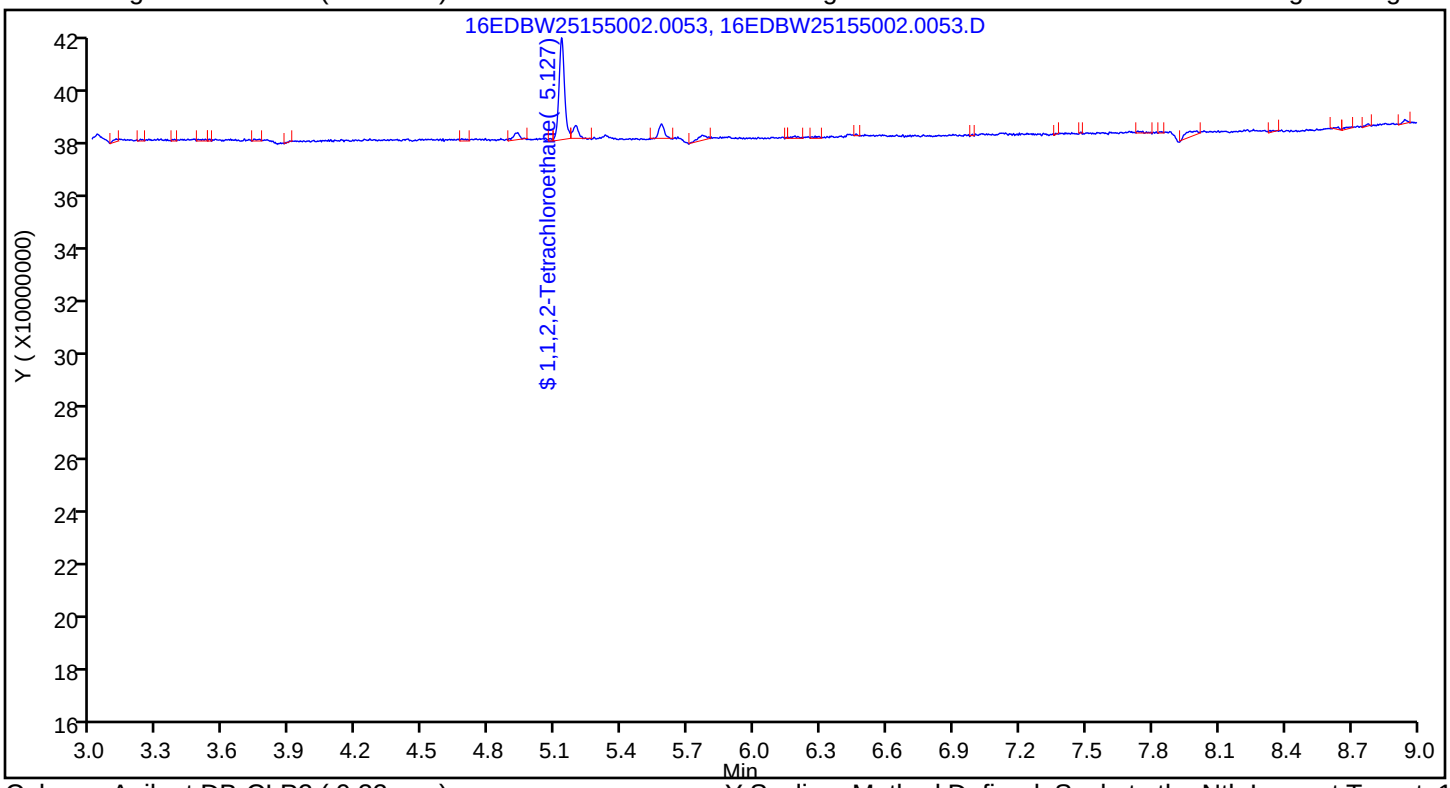
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 53

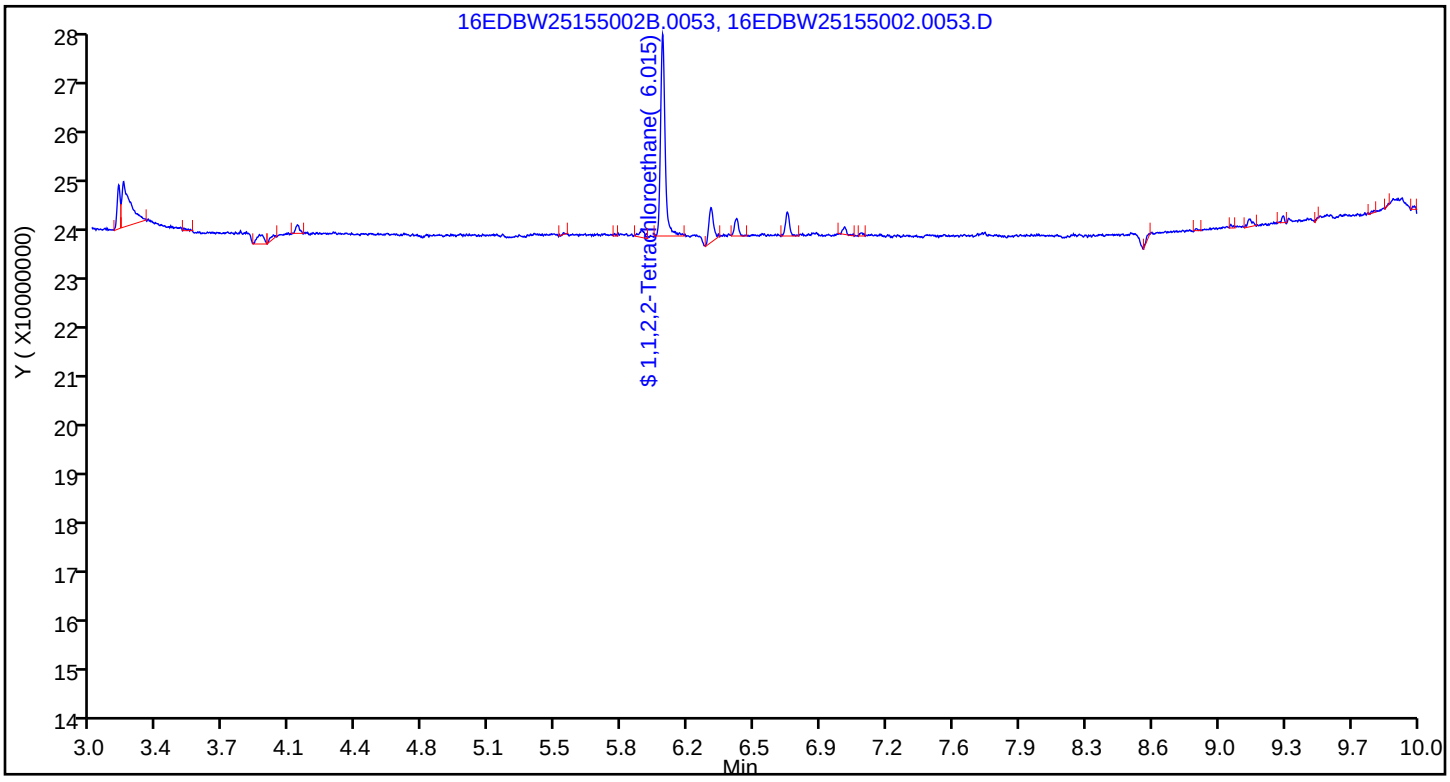
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0053.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	07-Jun-2025 02:29:00	ALS Bottle#:	0	Worklist Smp#:	53
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:04:04	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.38	116.40

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.36	115.00

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-654000/53

Matrix: Water
Lab File ID: 16EDBW25155002.0053.D

Analysis Method: 8011
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol:
Date Analyzed: 06/07/2025 02:29

Con. Extract Vol.:
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.:
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	*Ethylene Dibromide*	*ND*		*0.35*	*0.18*
96-12-8	*1,2-Dibromo-3-Chloropropane*	*ND*		*0.35*	*0.18*

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	115		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0053.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 07-Jun-2025 02:29:00 ALS Bottle#: 0 Worklist Smp#: 53
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:04:04 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1		3.620				ND	
2		4.333					
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	38868529H	1.18	1.38	
2	6.015	6.018	-0.003	40887449H	1.18	1.36	
						RPD = 1.21	
3 1,2-Dibromo-3-Chloropropane							
1		8.040				ND	
2		8.853					
4 Chlorodibromomethane							
1		0.000				ND	

Reagents:

GCS_EIBK_00014 Amount Added: 1.00 Units: mL

Report Date: 09-Jun-2025 08:04:05 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0053.D

Injection Date: 07-Jun-2025 02:29:00 Instrument ID: 19853

Lims ID: piblk

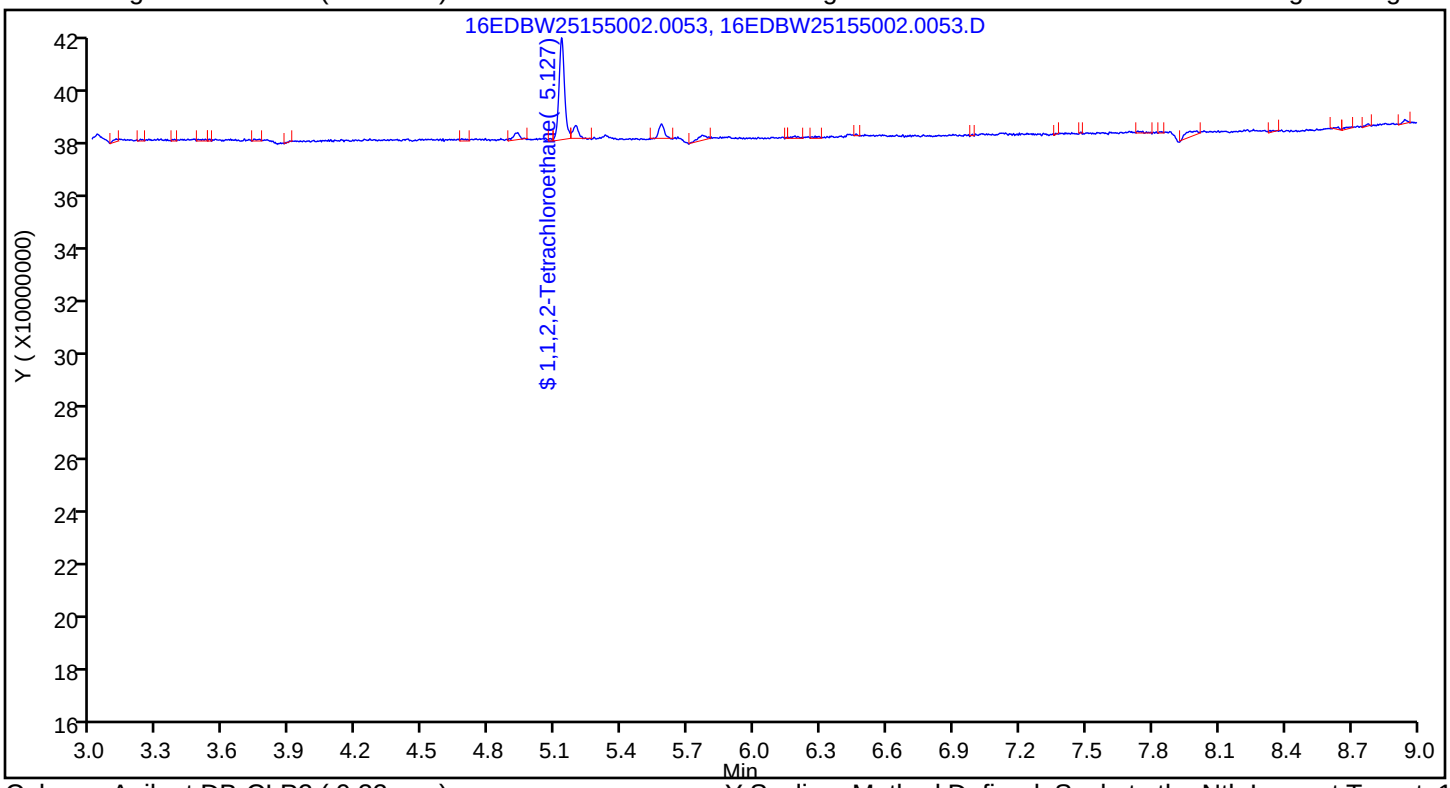
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 53

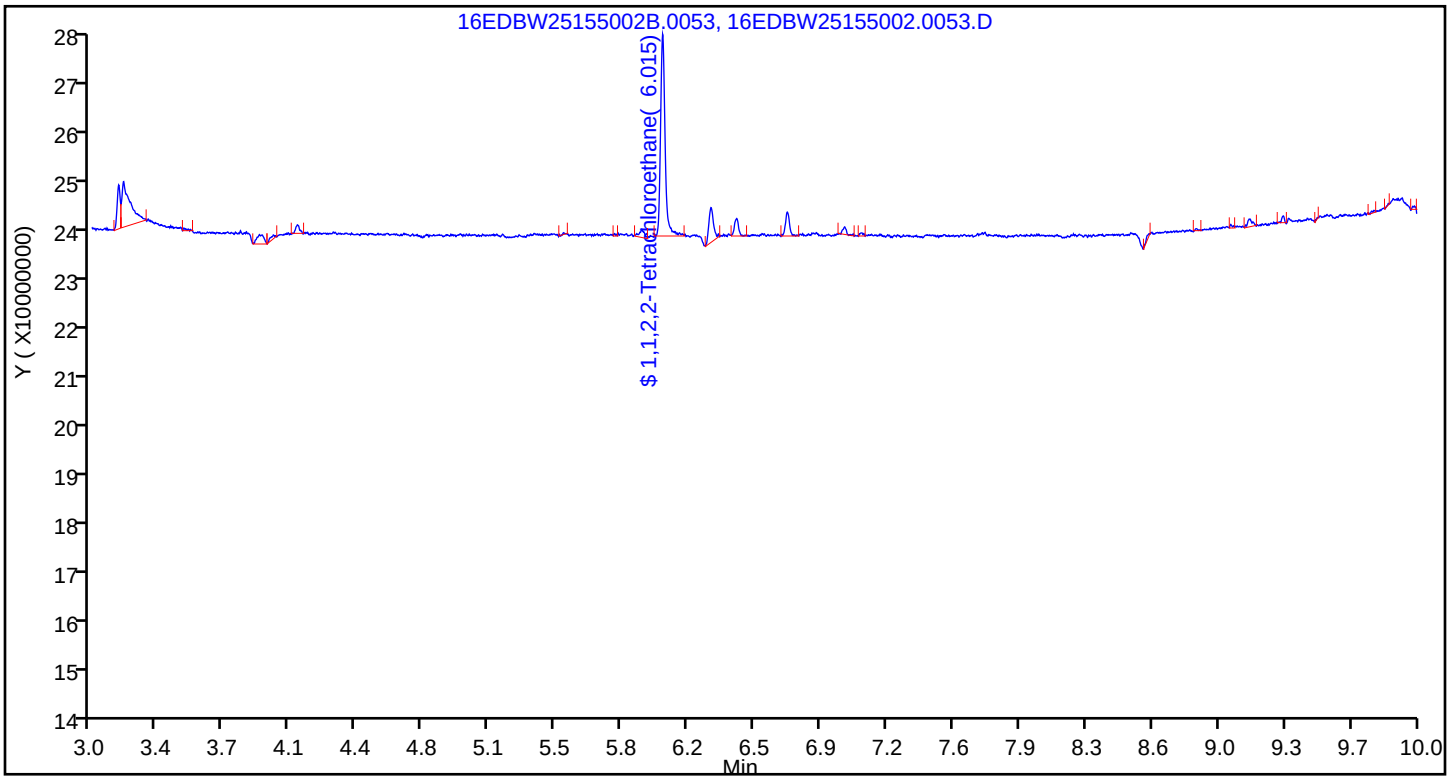
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0053.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	07-Jun-2025 02:29:00	ALS Bottle#:	0	Worklist Smp#:	53
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:04:04	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.38	116.40

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.18	1.36	115.00

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-653819/2-A

Matrix: Water
Lab File ID: 16EDBW25155002.0027.D

Analysis Method: 8011
Date Collected:

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 35(mL)
Date Analyzed: 06/06/2025 19:07

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	0.147		0.020	0.010
96-12-8	1,2-Dibromo-3-Chloropropane	0.159		0.020	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	118		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0027.D
Lims ID: LCS 410-653819/2-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Jun-2025 19:07:00 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-653819/2-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:36 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.612	3.620	-0.008	62761750H	2.26	2.57	
2	4.327	4.333	-0.006	70764866H	2.26	2.45	
						RPD = 4.79	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	40969627H	1.23	1.45	
2	6.015	6.018	-0.003	40760379H	1.23	1.36	
						RPD = 6.90	
3 1,2-Dibromo-3-Chloropropane							
1	8.045	8.040	0.005	175577201H	2.26	2.77	
2	8.852	8.853	-0.001	178679259H	2.26	2.70	
						RPD = 2.75	

Report Date: 09-Jun-2025 08:02:45 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0027.D

Injection Date: 06-Jun-2025 19:07:00 Instrument ID: 19853

Lims ID: LCS 410-653819/2-A

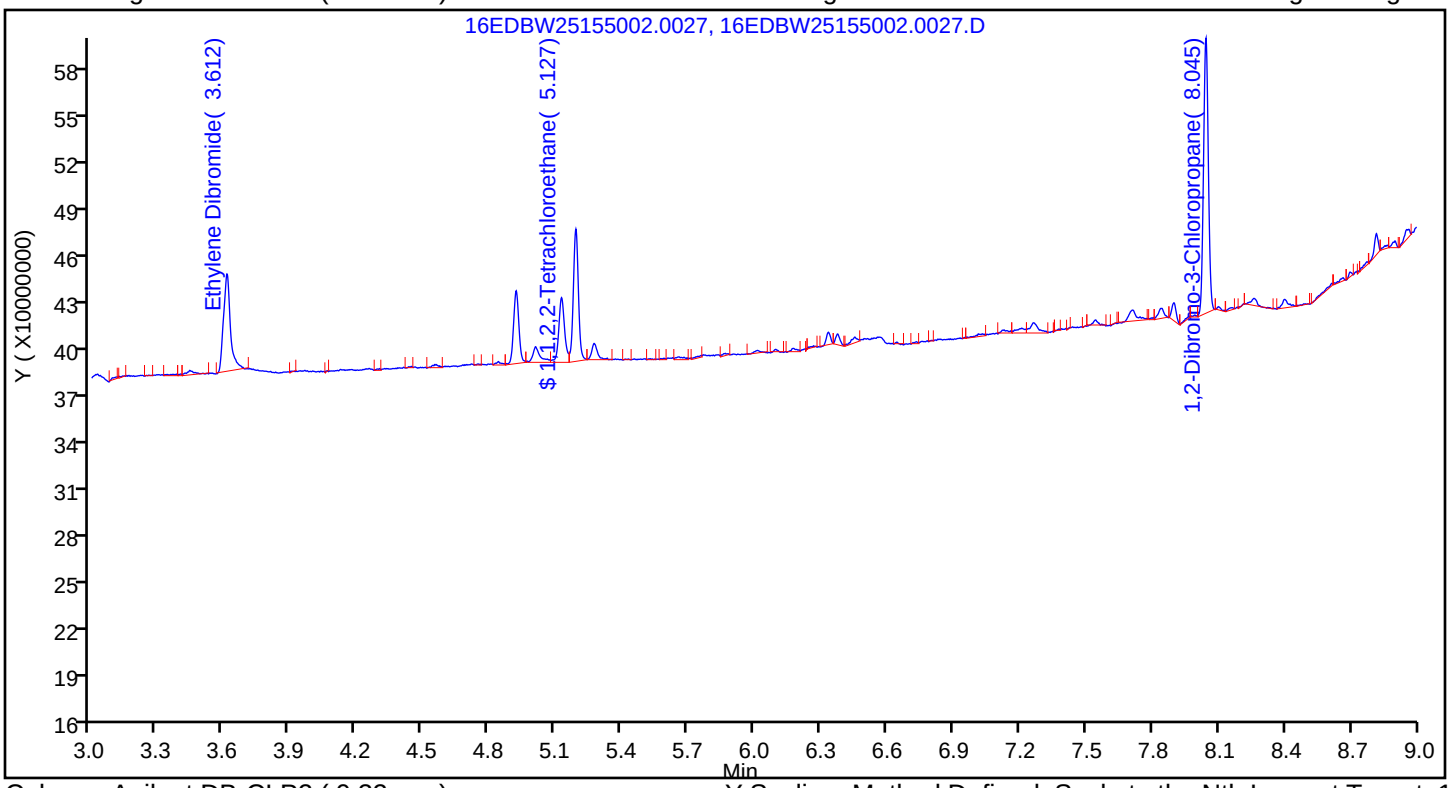
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 27

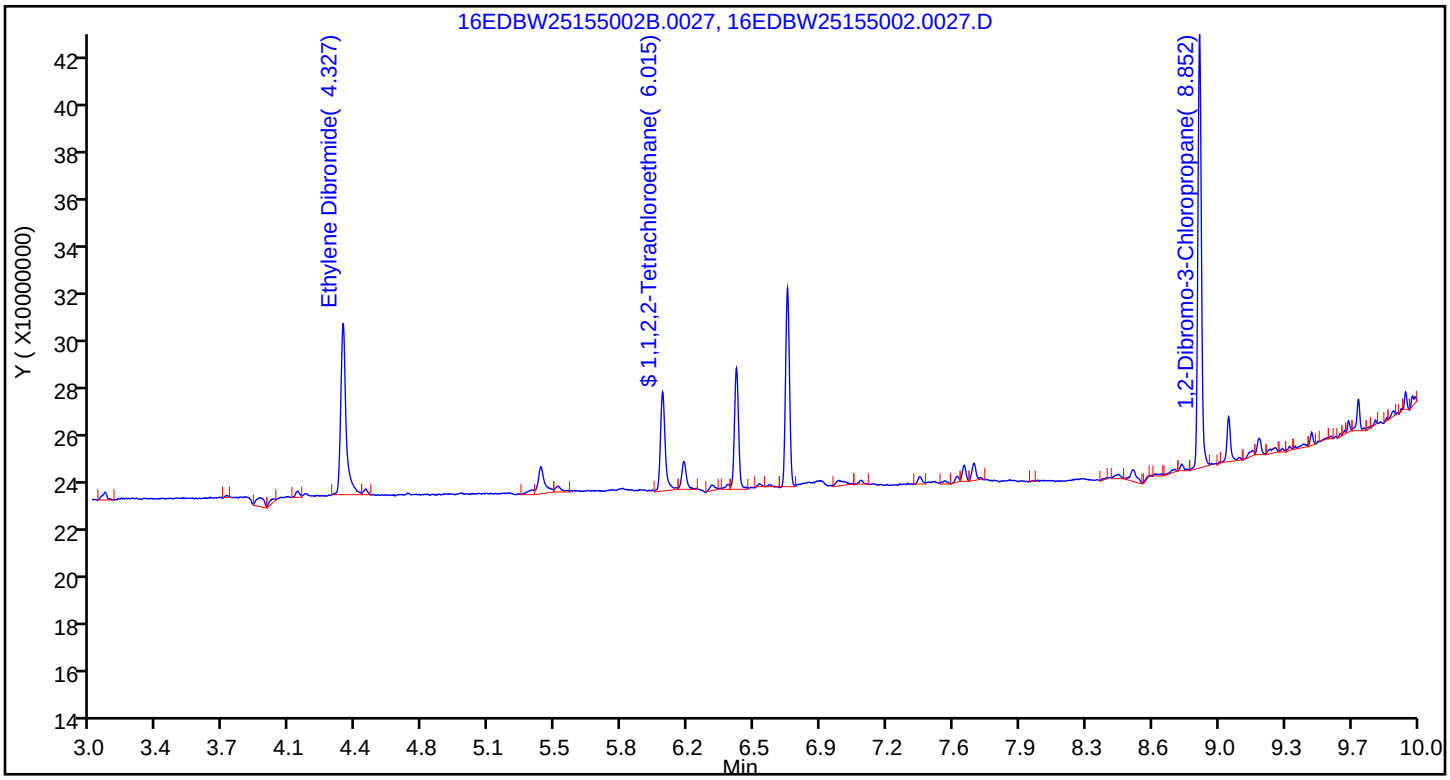
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0027.D				
Lims ID:	LCS 410-653819/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	06-Jun-2025 19:07:00	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 410-653819/2-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:02:36	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.45	117.90

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.36	110.04

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-653819/2-A

Matrix: Water
Lab File ID: 16EDBW25155002.0027.D

Analysis Method: 8011
Date Collected:

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 35(mL)
Date Analyzed: 06/06/2025 19:07

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	110		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0027.D
Lims ID: LCS 410-653819/2-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Jun-2025 19:07:00 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-653819/2-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:36 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.612	3.620	-0.008	62761750H	2.26	2.57	
2	4.327	4.333	-0.006	70764866H	2.26	2.45	
						RPD = 4.79	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.127	5.127	0.000	40969627H	1.23	1.45	
2	6.015	6.018	-0.003	40760379H	1.23	1.36	
						RPD = 6.90	
3 1,2-Dibromo-3-Chloropropane							
1	8.045	8.040	0.005	175577201H	2.26	2.77	
2	8.852	8.853	-0.001	178679259H	2.26	2.70	
						RPD = 2.75	

Report Date: 09-Jun-2025 08:02:45 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0027.D

Injection Date: 06-Jun-2025 19:07:00 Instrument ID: 19853

Lims ID: LCS 410-653819/2-A

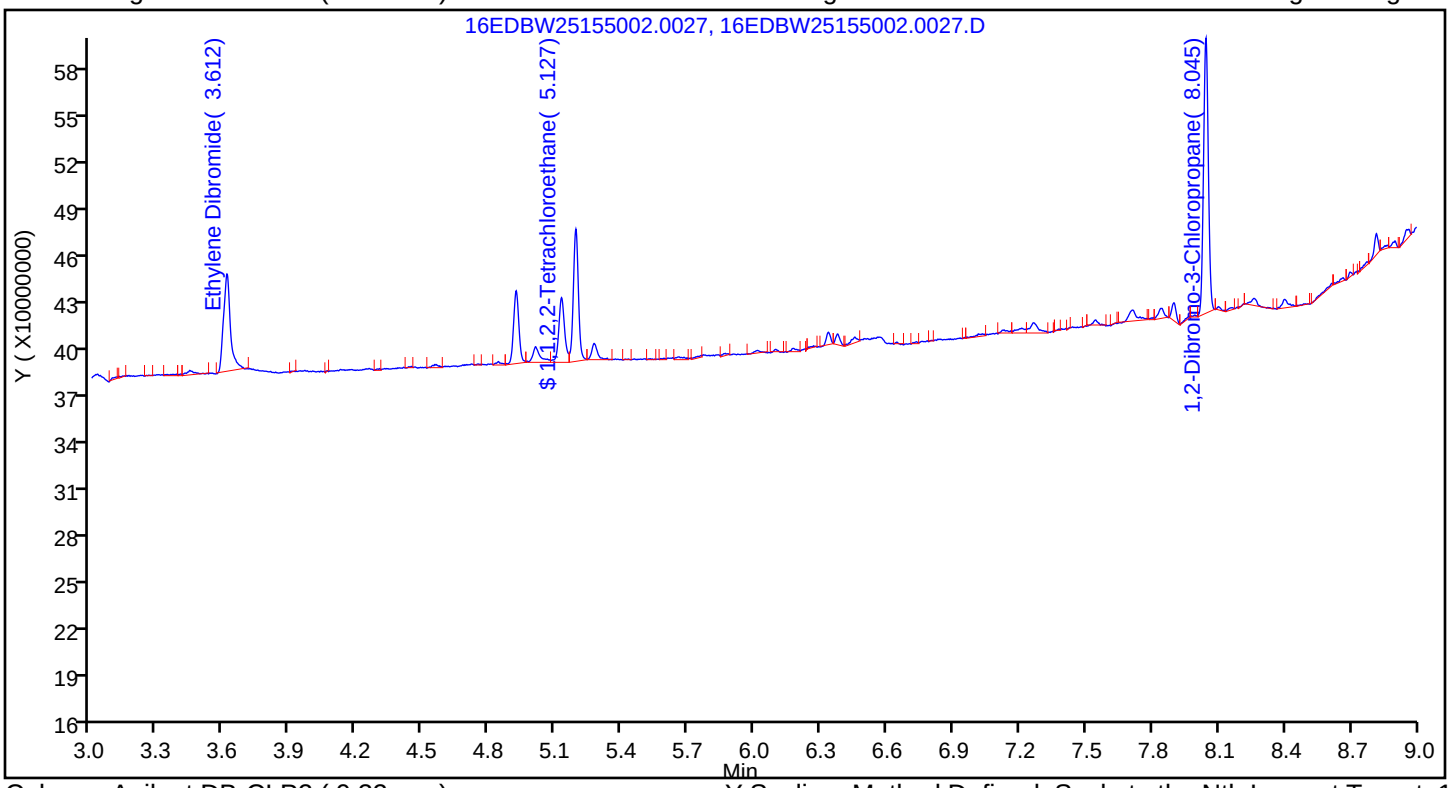
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 27

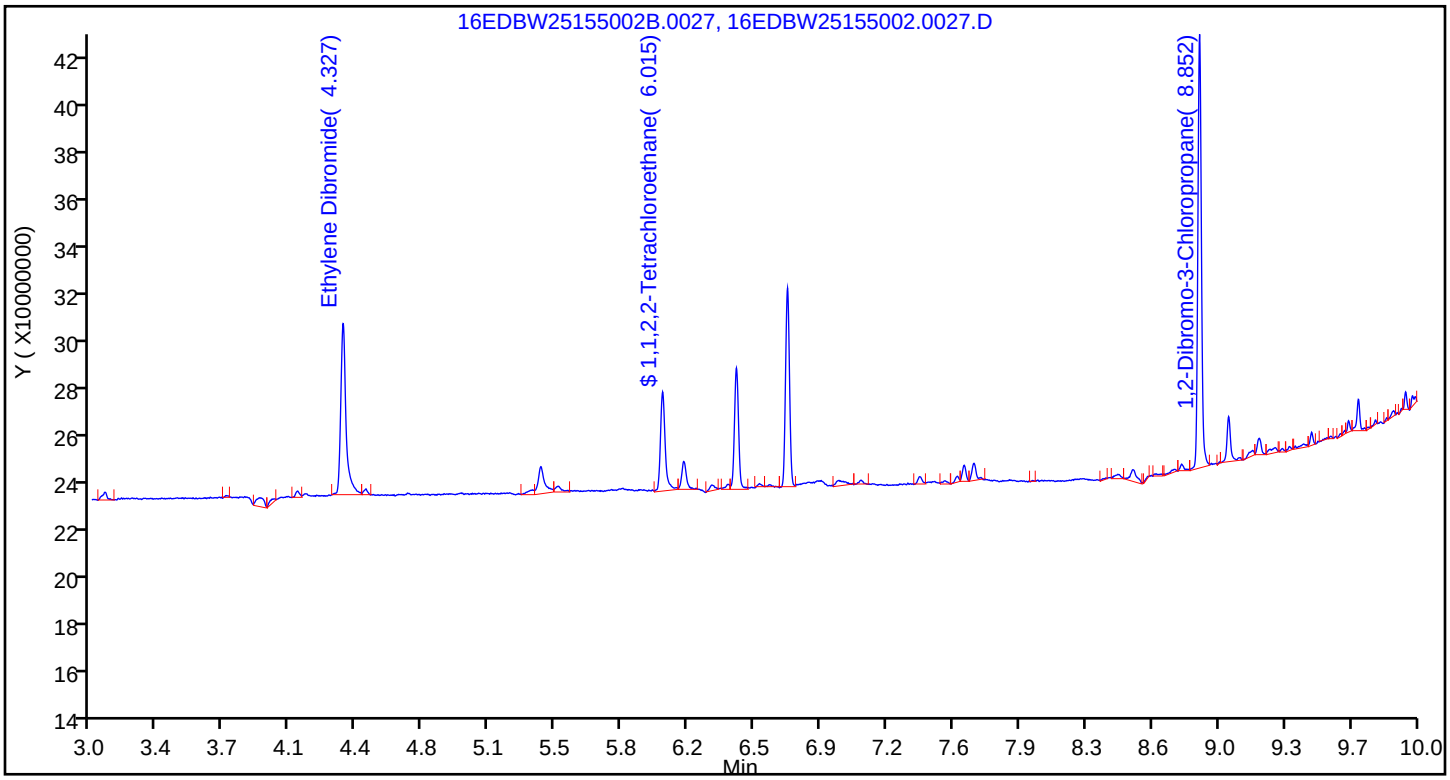
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0027.D				
Lims ID:	LCS 410-653819/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	06-Jun-2025 19:07:00	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 410-653819/2-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:02:36	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.45	117.90

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.36	110.04

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-653819/3-A

Matrix: Water
Lab File ID: 16EDBW25155002.0028.D

Analysis Method: 8011
Date Collected:

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 35(mL)
Date Analyzed: 06/06/2025 19:24

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	0.154		0.020	0.010
96-12-8	1,2-Dibromo-3-Chloropropane	0.159		0.020	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	114		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0028.D
Lims ID: LCSD 410-653819/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 06-Jun-2025 19:24:00 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-653819/3-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:36 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.620	3.620	0.000	65789125H	2.26	2.70	
2	4.328	4.333	-0.005	70450057H	2.26	2.44	
						RPD = 9.94	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.130	5.127	0.003	39627302H	1.23	1.40	
2	6.015	6.018	-0.003	40589916H	1.23	1.35	
						RPD = 3.95	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.040	0.003	175659477H	2.26	2.78	
2	8.852	8.853	-0.001	178264450H	2.26	2.69	
						RPD = 3.03	

Report Date: 09-Jun-2025 08:02:48 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0028.D

Injection Date: 06-Jun-2025 19:24:00 Instrument ID: 19853

Lims ID: LCSD 410-653819/3-A

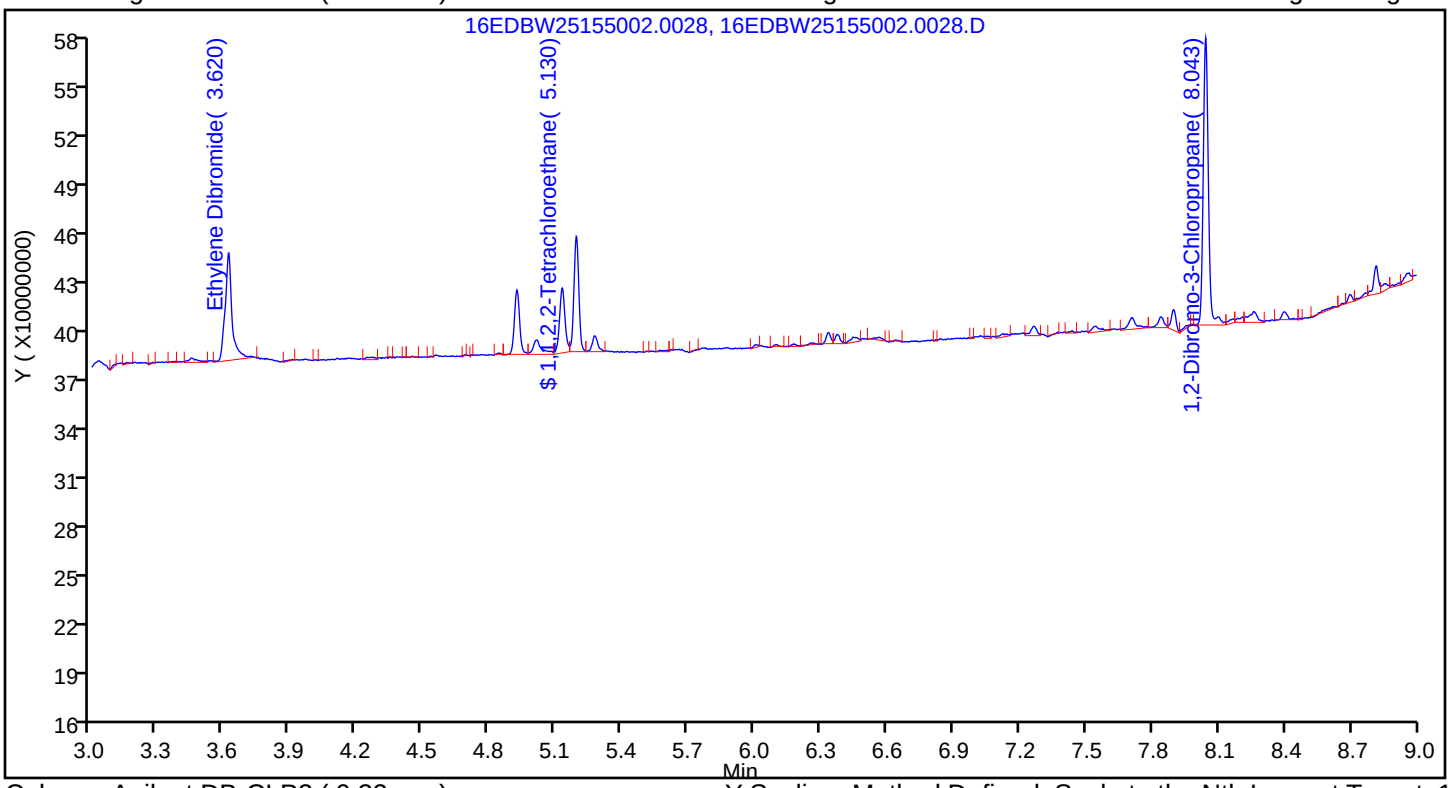
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 28

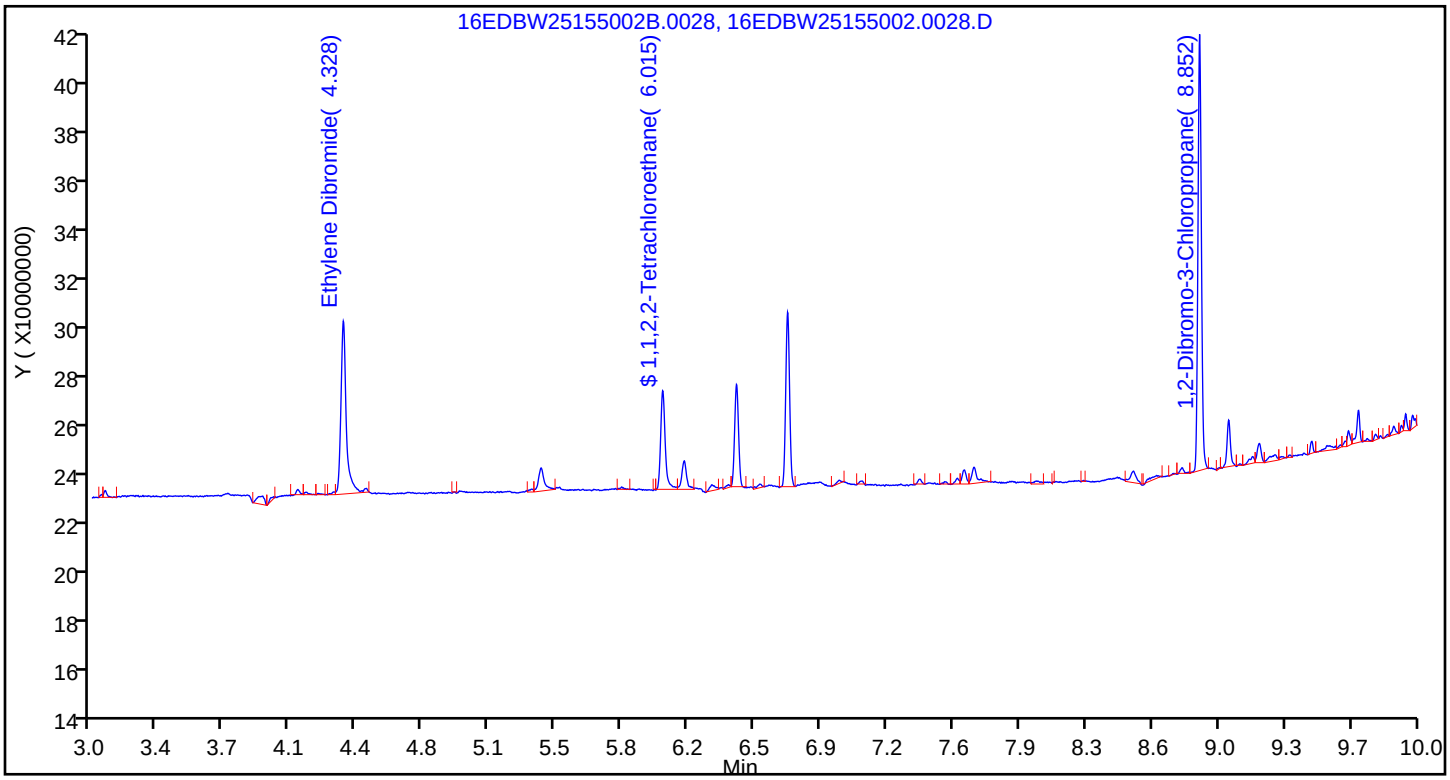
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0028.D				
Lims ID:	LCSD 410-653819/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	06-Jun-2025 19:24:00	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 410-653819/3-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:02:36	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.40	113.97

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.35	109.56

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-653819/3-A

Matrix: Water
Lab File ID: 16EDBW25155002.0028.D

Analysis Method: 8011
Date Collected:

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 35(mL)
Date Analyzed: 06/06/2025 19:24

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	110		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0028.D
Lims ID: LCSD 410-653819/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 06-Jun-2025 19:24:00 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-653819/3-A
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:02:36 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.620	3.620	0.000	65789125H	2.26	2.70	
2	4.328	4.333	-0.005	70450057H	2.26	2.44	
						RPD = 9.94	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.130	5.127	0.003	39627302H	1.23	1.40	
2	6.015	6.018	-0.003	40589916H	1.23	1.35	
						RPD = 3.95	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.040	0.003	175659477H	2.26	2.78	
2	8.852	8.853	-0.001	178264450H	2.26	2.69	
						RPD = 3.03	

Report Date: 09-Jun-2025 08:02:48 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0028.D

Injection Date: 06-Jun-2025 19:24:00 Instrument ID: 19853

Lims ID: LCSD 410-653819/3-A

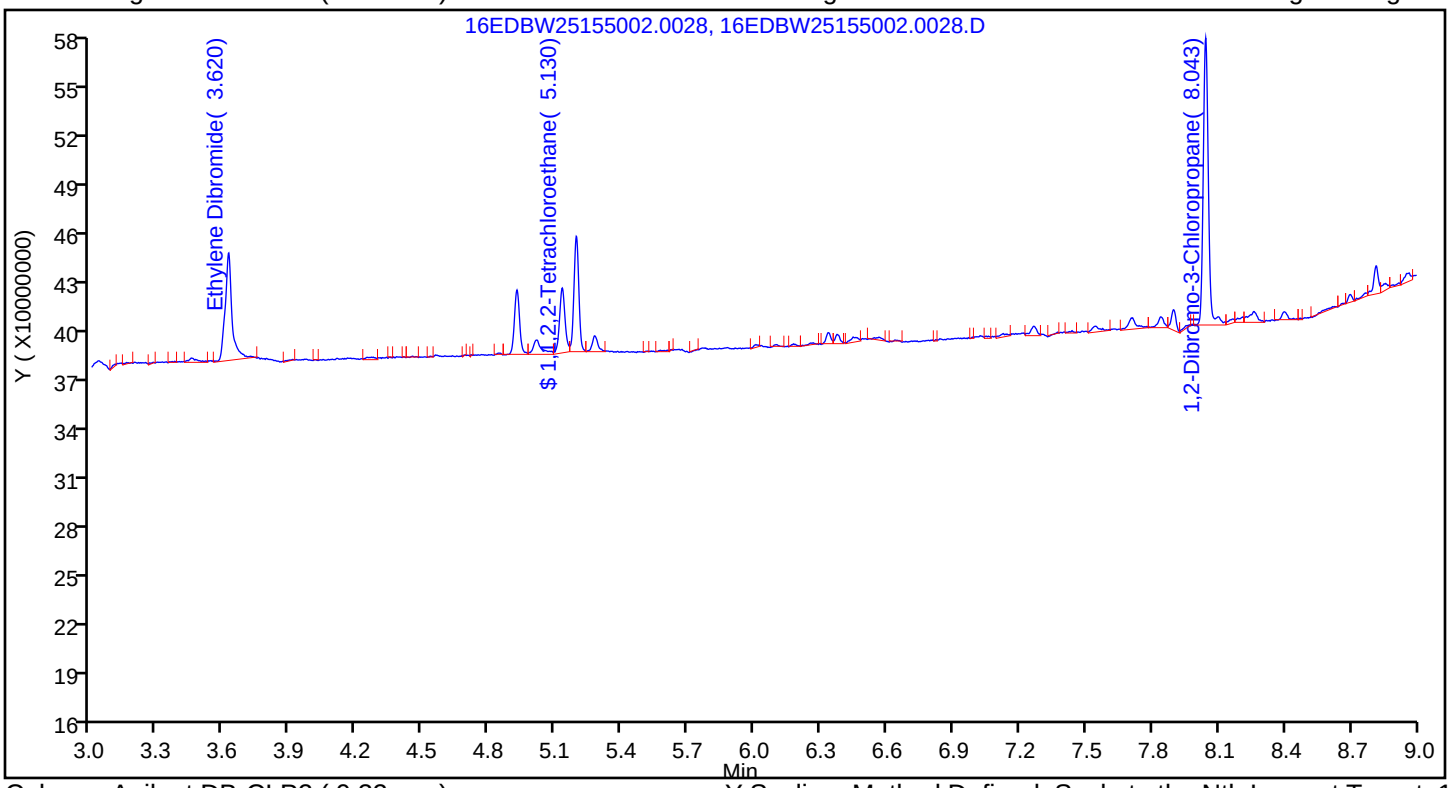
Client ID:

Operator ID: ALS Bottle#: 0 Worklist Smp#: 28

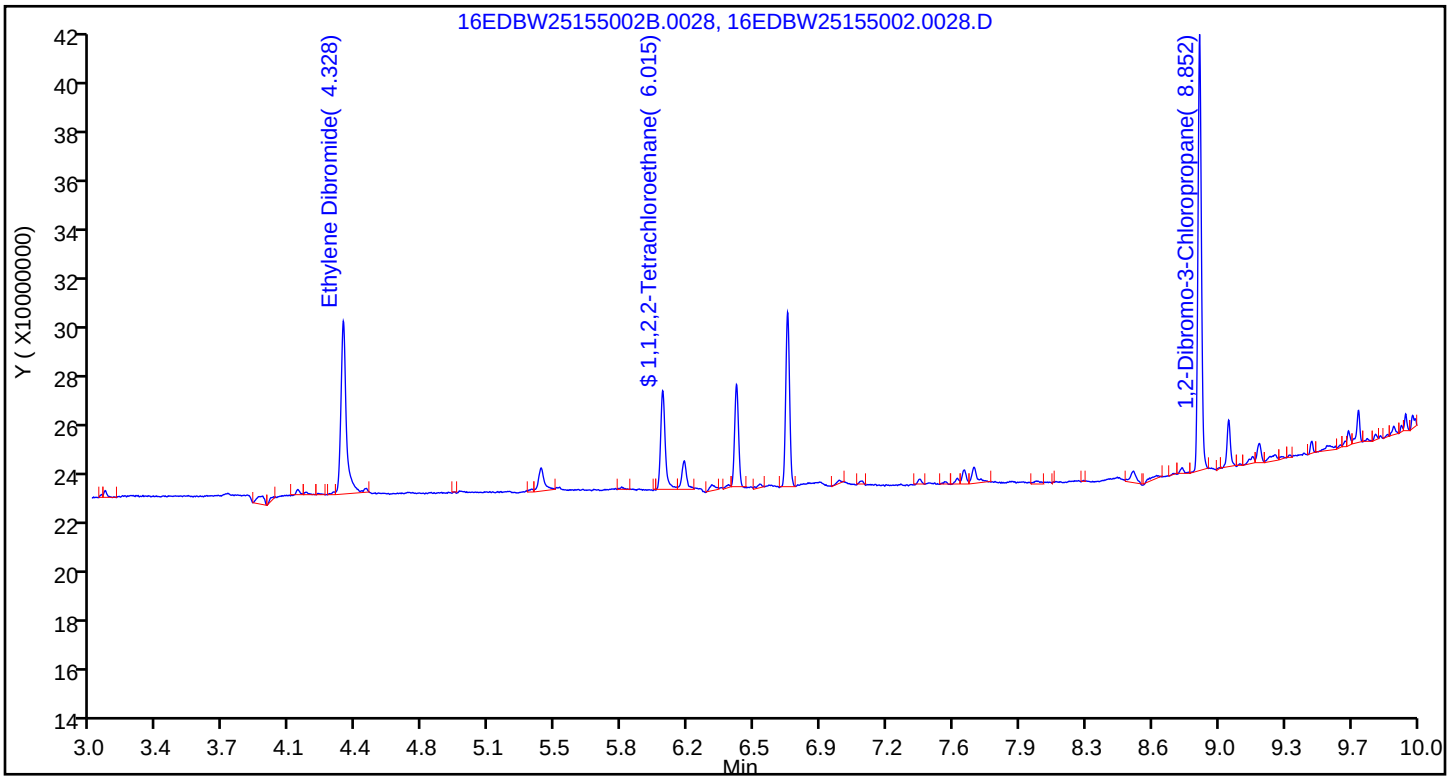
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0028.D				
Lims ID:	LCSD 410-653819/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	06-Jun-2025 19:24:00	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 410-653819/3-A				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:02:36	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.40	113.97

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.35	109.56

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MS
Lab Sample ID: 410-225004-2 MS

Matrix: Water
Lab File ID: 16EDBW25155002.0041.D

Analysis Method: 8011
Date Collected: 05/29/2025 11:05

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.2(mL)
Date Analyzed: 06/06/2025 23:05

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	0.137		0.019	0.0094
96-12-8	1,2-Dibromo-3-Chloropropane	0.147		0.019	0.0094

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	113		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0041.D
Lims ID: 410-225004-B-2-A MS
Client ID: MW-3D
Sample Type: MS
Inject. Date: 06-Jun-2025 23:05:00 ALS Bottle#: 0 Worklist Smp#: 41
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-2-A MS
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.622	3.620	0.002	62219528H	2.26	2.55	
2	4.328	4.333	-0.005	71149211H	2.26	2.46	
						RPD = 3.38	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.132	5.127	0.005	39229031H	1.23	1.39	
2	6.015	6.018	-0.003	41332809H	1.23	1.38	
						RPD = 1.01	
3 1,2-Dibromo-3-Chloropropane							
1	8.047	8.040	0.007	173476297H	2.26	2.74	
2	8.852	8.853	-0.001	176326028H	2.26	2.66	
						RPD = 2.87	
4 Chlorodibromomethane							
1		0.000				ND	

Report Date: 09-Jun-2025 08:03:33 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0041.D

Injection Date: 06-Jun-2025 23:05:00 Instrument ID: 19853

Lims ID: 410-225004-B-2-A MS

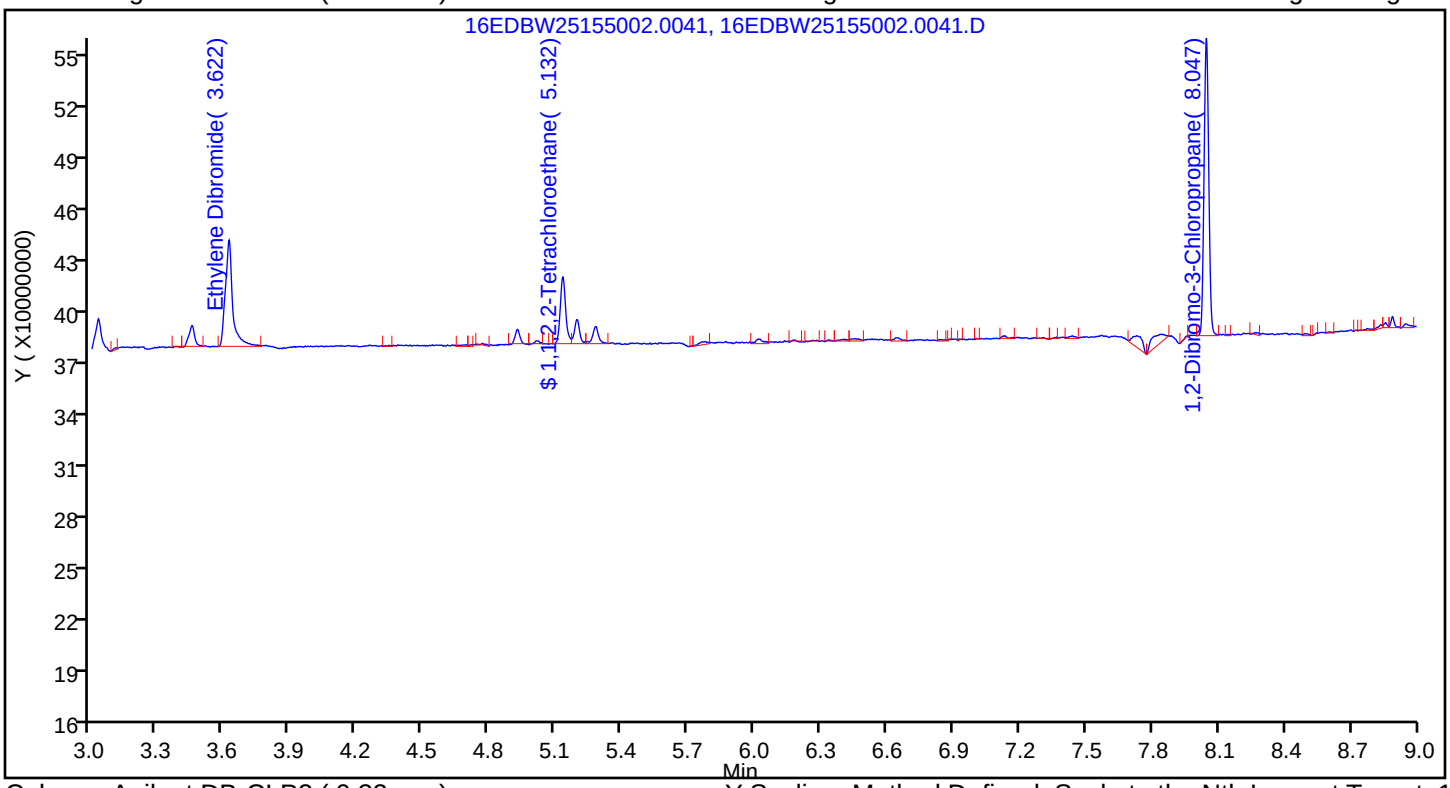
Client ID: MW-3D

Operator ID: ALS Bottle#: 0 Worklist Smp#: 41

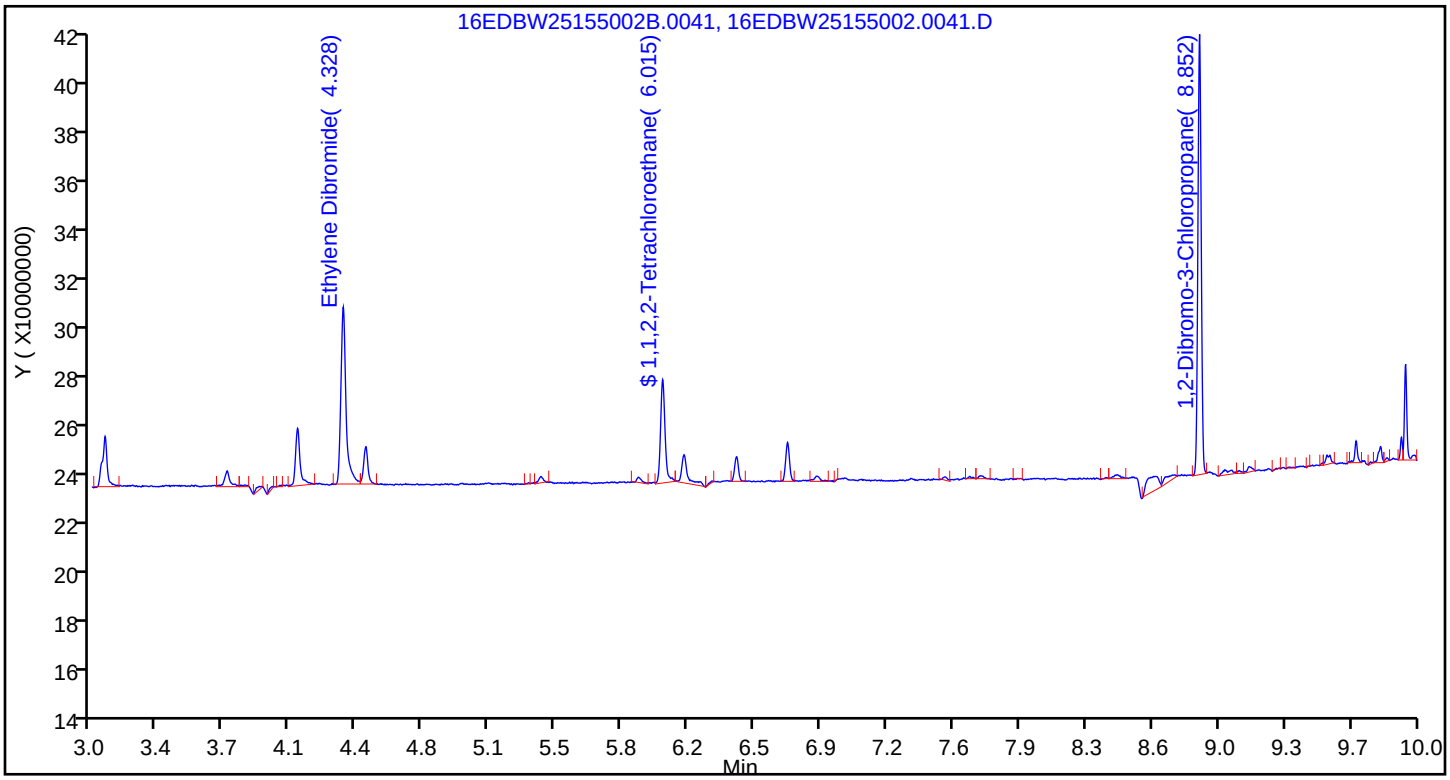
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0041.D				
Lims ID:	410-225004-B-2-A MS				
Client ID:	MW-3D				
Sample Type:	MS				
Inject. Date:	06-Jun-2025 23:05:00	ALS Bottle#:	0	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-2-A MS				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.39	112.80

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.38	111.67

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MS
Lab Sample ID: 410-225004-2 MS

Matrix: Water
Lab File ID: 16EDBW25155002.0041.D

Analysis Method: 8011
Date Collected: 05/29/2025 11:05

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.2(mL)
Date Analyzed: 06/06/2025 23:05

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	112		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0041.D
Lims ID: 410-225004-B-2-A MS
Client ID: MW-3D
Sample Type: MS
Inject. Date: 06-Jun-2025 23:05:00 ALS Bottle#: 0 Worklist Smp#: 41
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-2-A MS
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.622	3.620	0.002	62219528H	2.26	2.55	
2	4.328	4.333	-0.005	71149211H	2.26	2.46	
						RPD = 3.38	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.132	5.127	0.005	39229031H	1.23	1.39	
2	6.015	6.018	-0.003	41332809H	1.23	1.38	
						RPD = 1.01	
3 1,2-Dibromo-3-Chloropropane							
1	8.047	8.040	0.007	173476297H	2.26	2.74	
2	8.852	8.853	-0.001	176326028H	2.26	2.66	
						RPD = 2.87	
4 Chlorodibromomethane							
1		0.000				ND	

Report Date: 09-Jun-2025 08:03:34 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0041.D

Injection Date: 06-Jun-2025 23:05:00 Instrument ID: 19853

Lims ID: 410-225004-B-2-A MS

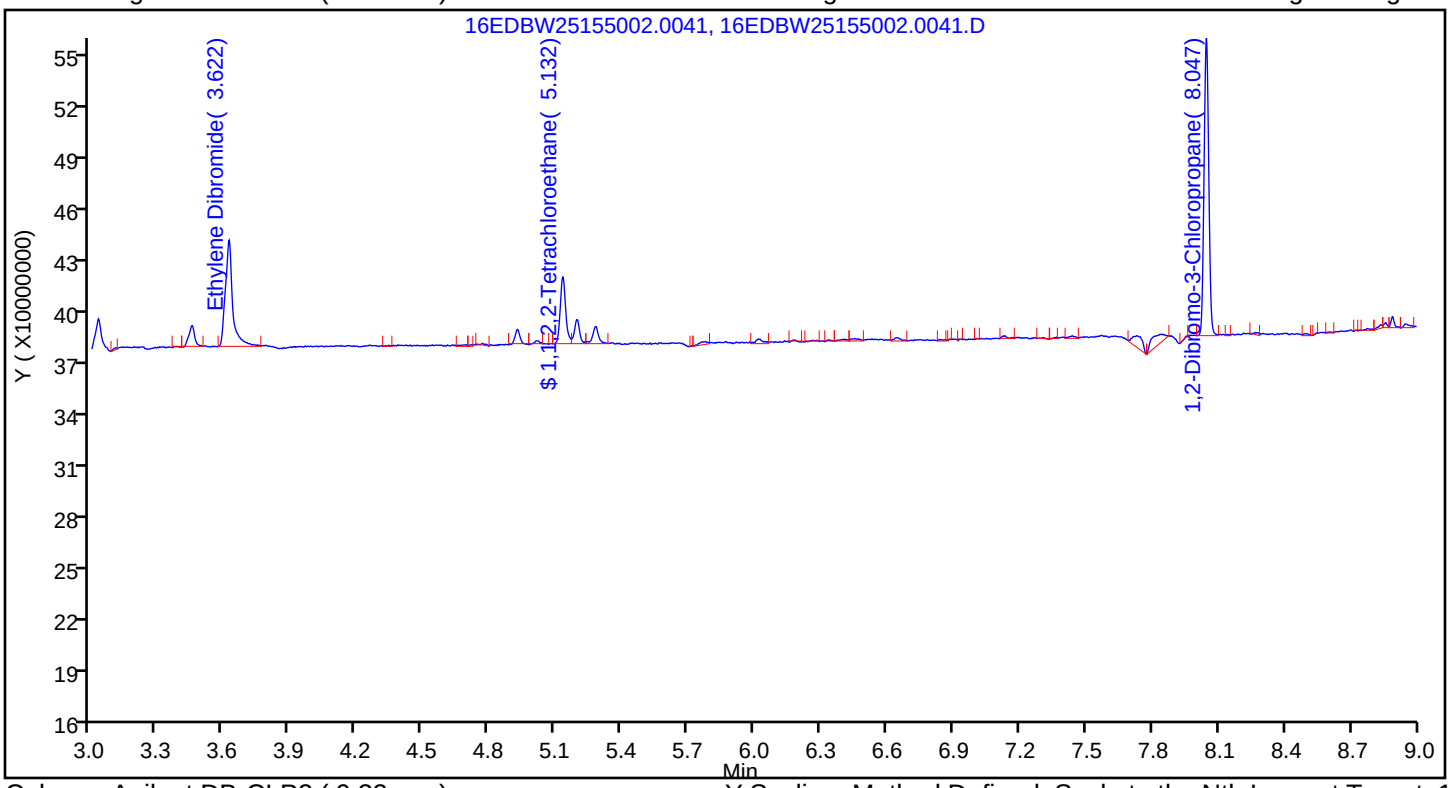
Client ID: MW-3D

Operator ID: ALS Bottle#: 0 Worklist Smp#: 41

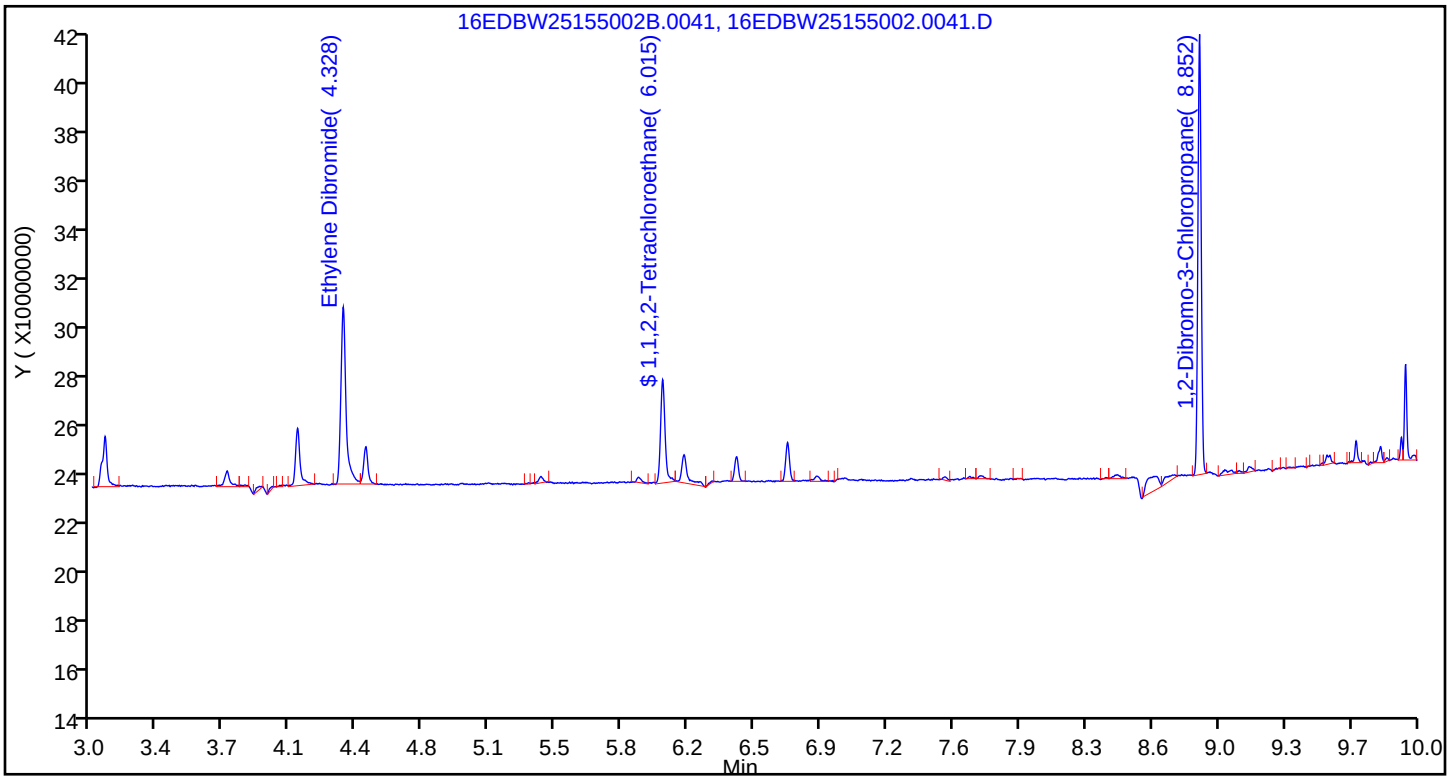
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0041.D				
Lims ID:	410-225004-B-2-A MS				
Client ID:	MW-3D				
Sample Type:	MS				
Inject. Date:	06-Jun-2025 23:05:00	ALS Bottle#:	0	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-2-A MS				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.39	112.80

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.38	111.67

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MSD
Lab Sample ID: 410-225004-2 MSD

Matrix: Water
Lab File ID: 16EDBW25155002.0042.D

Analysis Method: 8011
Date Collected: 05/29/2025 11:05

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.1(mL)
Date Analyzed: 06/06/2025 23:22

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	0.138		0.019	0.0094
96-12-8	1,2-Dibromo-3-Chloropropane	0.147		0.019	0.0094

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	109		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0042.D
Lims ID: 410-225004-B-2-B MSD
Client ID: MW-3D
Sample Type: MSD
Inject. Date: 06-Jun-2025 23:22:00 ALS Bottle#: 0 Worklist Smp#: 42
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-2-B MSD
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.625	3.620	0.005	62635212H	2.26	2.57	
2	4.328	4.333	-0.005	71792491H	2.26	2.49	
						RPD = 3.15	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.135	5.127	0.008	37917935H	1.23	1.34	
2	6.015	6.018	-0.003	39970707H	1.23	1.33	
						RPD = 1.07	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.040	0.003	172461318H	2.26	2.73	
2	8.852	8.853	-0.001	174113366H	2.26	2.63	
						RPD = 3.55	
4 Chlorodibromomethane							
1		0.000				ND	

Report Date: 09-Jun-2025 08:03:38 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0042.D

Injection Date: 06-Jun-2025 23:22:00 Instrument ID: 19853

Lims ID: 410-225004-B-2-B MSD

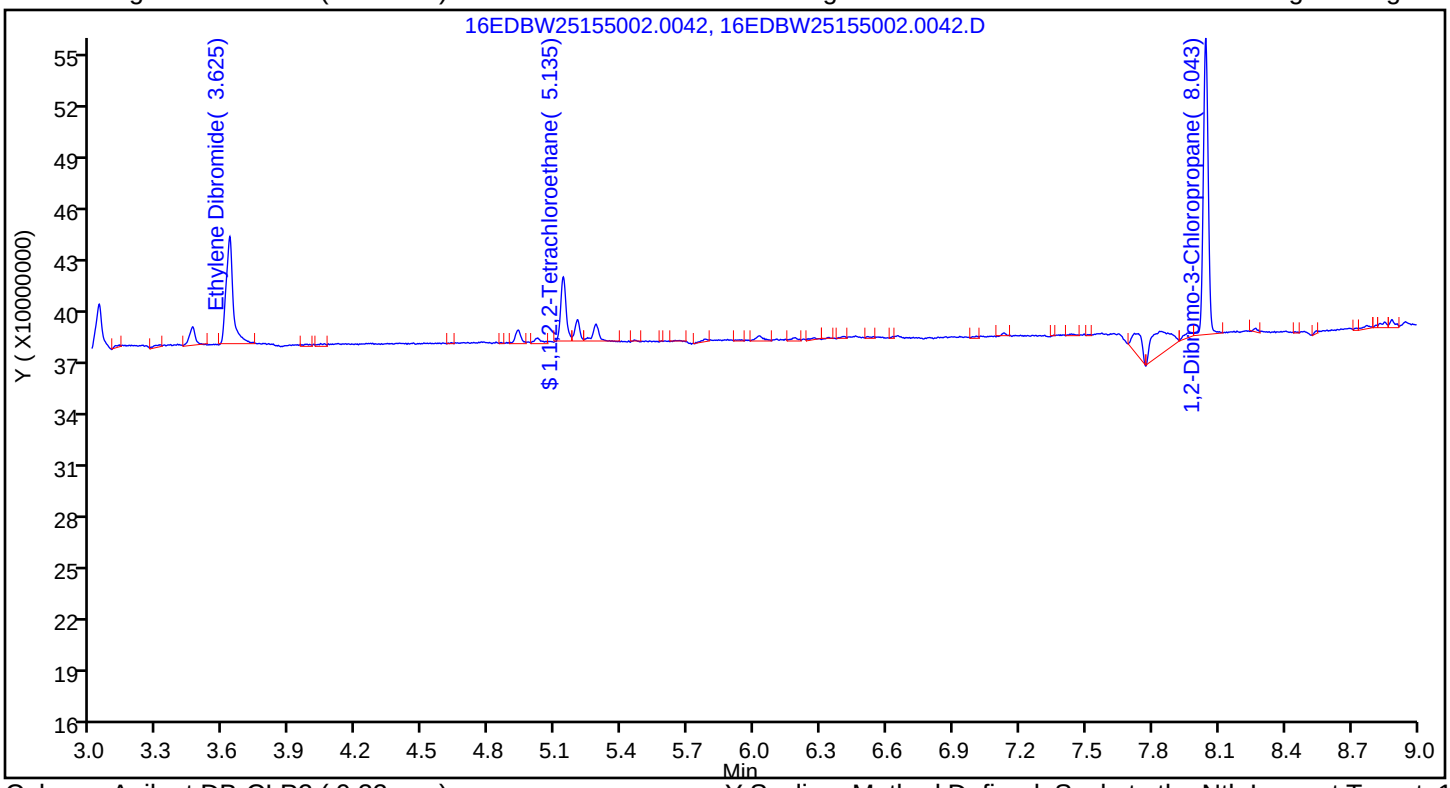
Client ID: MW-3D

Operator ID: ALS Bottle#: 0 Worklist Smp#: 42

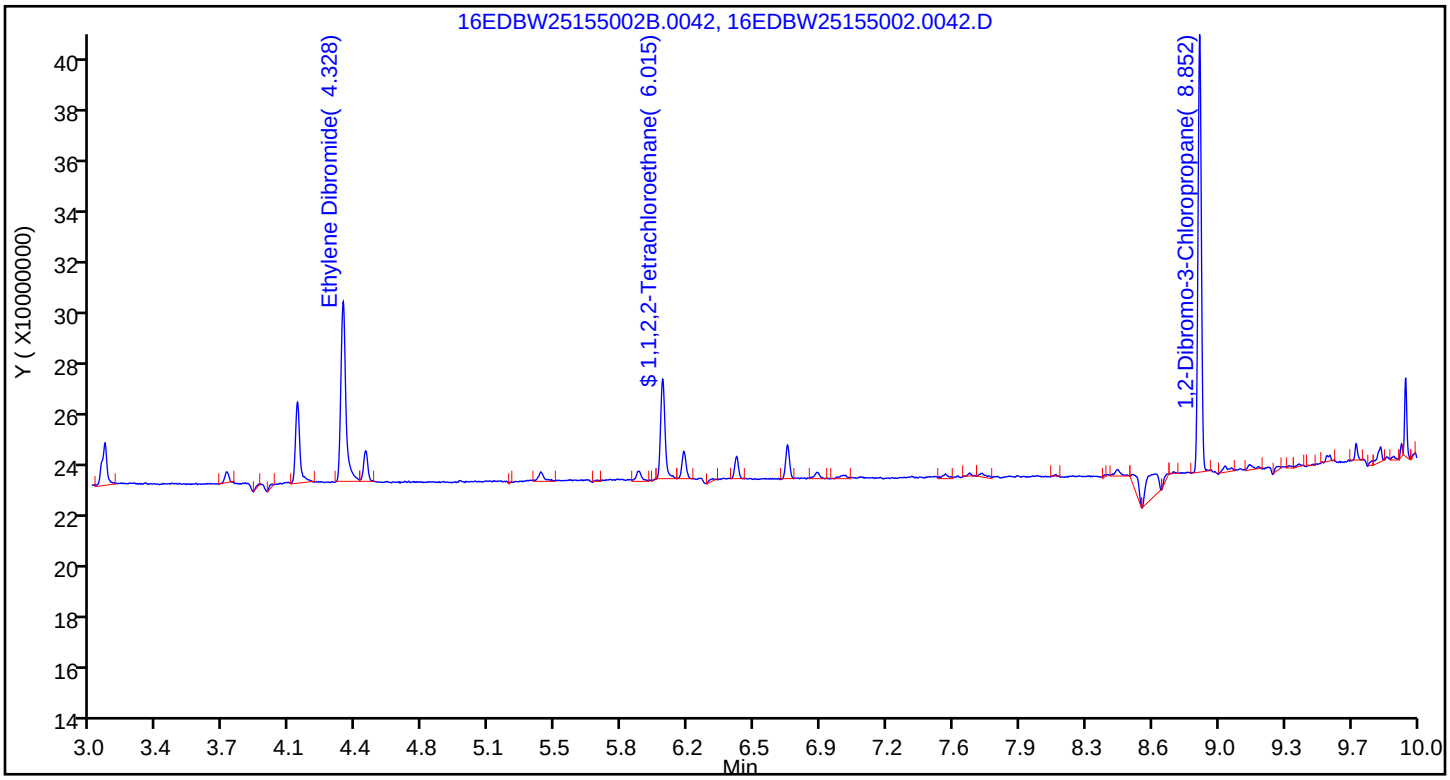
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0042.D				
Lims ID:	410-225004-B-2-B MSD				
Client ID:	MW-3D				
Sample Type:	MSD				
Inject. Date:	06-Jun-2025 23:22:00	ALS Bottle#:	0	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-2-B MSD				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.34	108.96

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.33	107.80

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Client Sample ID: MW-3D MSD
Lab Sample ID: 410-225004-2 MSD

Matrix: Water
Lab File ID: 16EDBW25155002.0042.D

Analysis Method: 8011
Date Collected: 05/29/2025 11:05

Extraction Method: 8011
Date Extracted: 06/06/2025 06:57

Sample wt/vol: 37.1(mL)
Date Analyzed: 06/06/2025 23:22

Con. Extract Vol.: 2(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 654000
Units: ug/L

Preparation Batch No.: 653819
Instrument ID: 19853

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-34-5	1,1,2,2-Tetrachloroethane	108		46-136

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0042.D
Lims ID: 410-225004-B-2-B MSD
Client ID: MW-3D
Sample Type: MSD
Inject. Date: 06-Jun-2025 23:22:00 ALS Bottle#: 0 Worklist Smp#: 42
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-225004-B-2-B MSD
Operator ID: Instrument ID: 19853

Method: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m
Limit Group: GCSV - 8011 Waters
Last Update: 09-Jun-2025 08:03:11 Calib Date: 04-Jun-2025 09:45:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1ECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2ECDB
Process Host: CTX1646

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Ethylene Dibromide							
1	3.625	3.620	0.005	62635212H	2.26	2.57	
2	4.328	4.333	-0.005	71792491H	2.26	2.49	
						RPD = 3.15	
$ 2 1,1,2,2-Tetrachloroethane							
1	5.135	5.127	0.008	37917935H	1.23	1.34	
2	6.015	6.018	-0.003	39970707H	1.23	1.33	
						RPD = 1.07	
3 1,2-Dibromo-3-Chloropropane							
1	8.043	8.040	0.003	172461318H	2.26	2.73	
2	8.852	8.853	-0.001	174113366H	2.26	2.63	
						RPD = 3.55	
4 Chlorodibromomethane							
1		0.000				ND	

Report Date: 09-Jun-2025 08:03:38 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0042.D

Injection Date: 06-Jun-2025 23:22:00 Instrument ID: 19853

Lims ID: 410-225004-B-2-B MSD

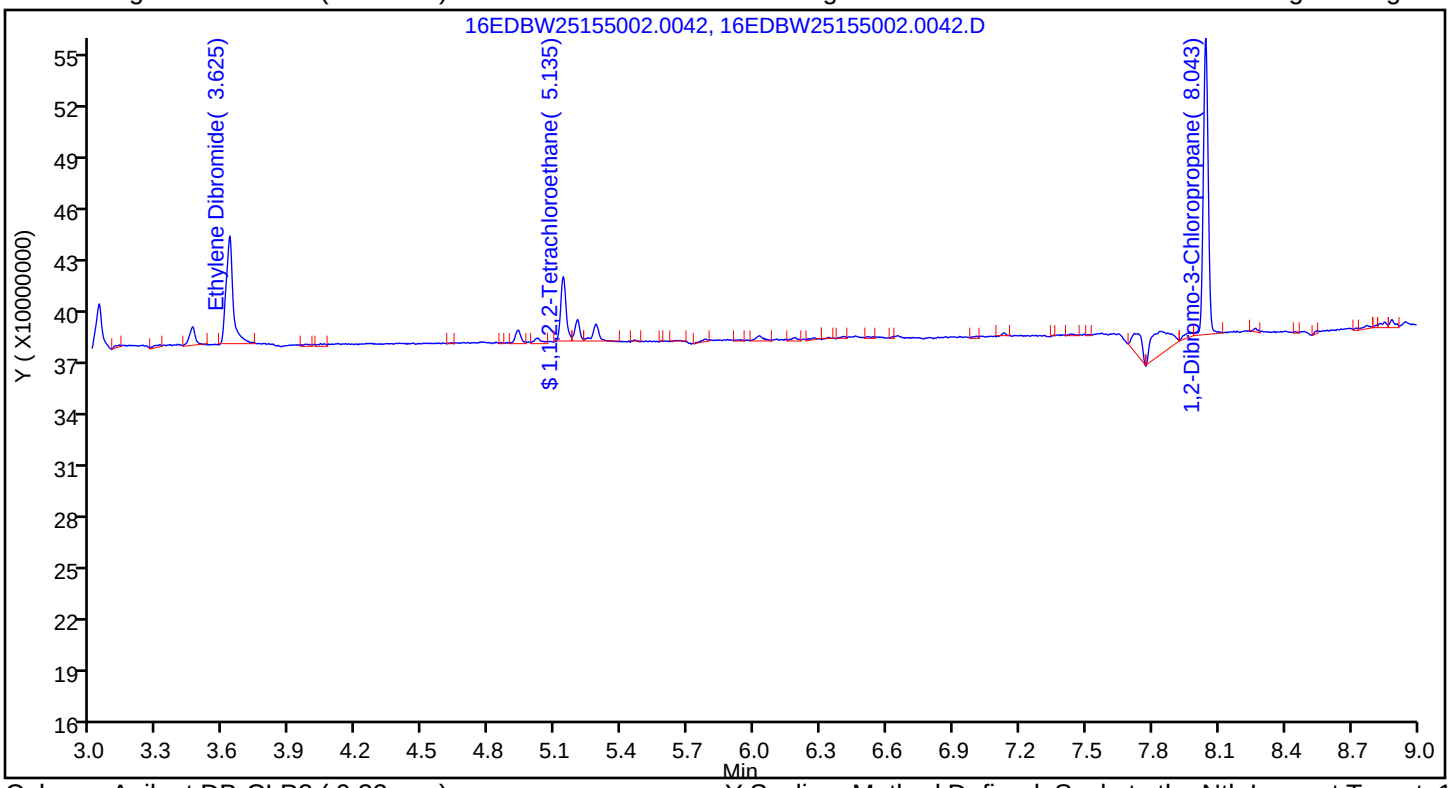
Client ID: MW-3D

Operator ID: ALS Bottle#: 0 Worklist Smp#: 42

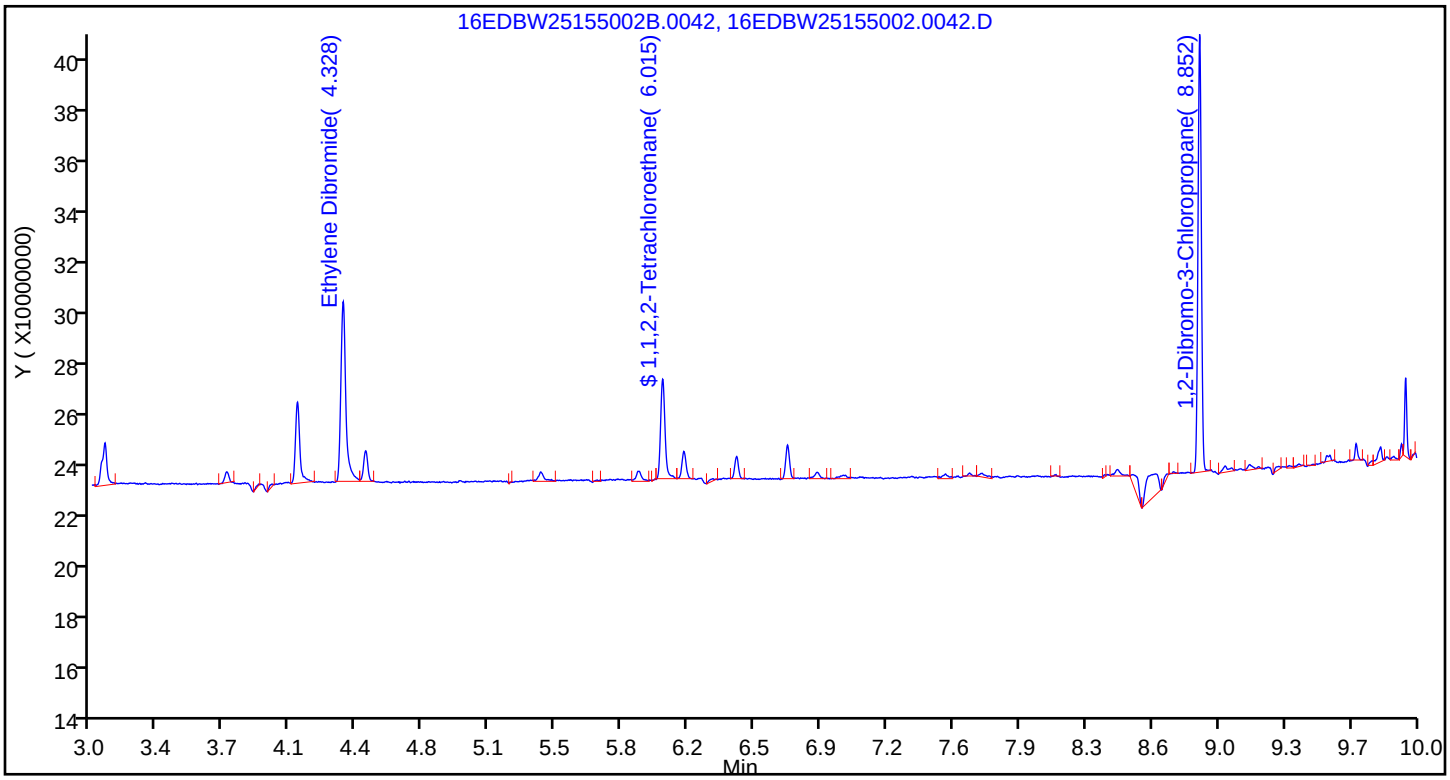
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8011_19853 Limit Group: GCSV - 8011 Waters

Column: Agilent DB-CLP1 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: Agilent DB-CLP2 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\16EDBW25155002.0042.D				
Lims ID:	410-225004-B-2-B MSD				
Client ID:	MW-3D				
Sample Type:	MSD				
Inject. Date:	06-Jun-2025 23:22:00	ALS Bottle#:	0	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-225004-B-2-B MSD				
Operator ID:		Instrument ID:	19853		
Method:	\\chromfs\Lancaster\ChromData\19853\20250606-149551.b\8011_19853.m				
Limit Group:	GCSV - 8011 Waters				
Last Update:	09-Jun-2025 08:03:11	Calib Date:	04-Jun-2025 09:45:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19853\20250604-149222.b\16EDBW25155001.0009.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1ECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2ECDB		
Process Host:	CTX1646				

Surrogate Recovery, Detector: 1ECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.34	108.96

Surrogate Recovery, Detector: 2ECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 1,1,2,2-Tetrachloroethane	1.23	1.33	107.80

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

SDG No.:

Instrument ID: 19853

Start Date: 06/04/2025 08:04

Analysis Batch Number: 652600

End Date: 06/04/2025 18:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 410-652600/3		06/04/2025 08:04	1		DB CLP1 0.32(mm)
PIBLK 410-652600/3		06/04/2025 08:04	1		DB CLP2 0.32(mm)
IC 410-652600/4		06/04/2025 08:21	1	16EDBW25155001.0004.D	DB CLP1 0.32(mm)
IC 410-652600/4		06/04/2025 08:21	1	16EDBW25155001.0004.D	DB CLP2 0.32(mm)
IC 410-652600/5		06/04/2025 08:38	1	16EDBW25155001.0005.D	DB CLP1 0.32(mm)
IC 410-652600/5		06/04/2025 08:38	1	16EDBW25155001.0005.D	DB CLP2 0.32(mm)
IC 410-652600/6		06/04/2025 08:55	1	16EDBW25155001.0006.D	DB CLP1 0.32(mm)
IC 410-652600/6		06/04/2025 08:55	1	16EDBW25155001.0006.D	DB CLP2 0.32(mm)
ICRT 410-652600/7		06/04/2025 09:11	1	16EDBW25155001.0007.D	DB CLP1 0.32(mm)
ICRT 410-652600/7		06/04/2025 09:11	1	16EDBW25155001.0007.D	DB CLP2 0.32(mm)
IC 410-652600/8		06/04/2025 09:28	1	16EDBW25155001.0008.D	DB CLP1 0.32(mm)
IC 410-652600/8		06/04/2025 09:28	1	16EDBW25155001.0008.D	DB CLP2 0.32(mm)
IC 410-652600/9		06/04/2025 09:45	1	16EDBW25155001.0009.D	DB CLP1 0.32(mm)
IC 410-652600/9		06/04/2025 09:45	1	16EDBW25155001.0009.D	DB CLP2 0.32(mm)
ICVL 410-652600/10		06/04/2025 10:02	1		DB CLP1 0.32(mm)
ICVL 410-652600/10		06/04/2025 10:02	1		DB CLP2 0.32(mm)
ICV 410-652600/11		06/04/2025 10:19	1	16EDBW25155001.0011.D	DB CLP1 0.32(mm)
ICV 410-652600/11		06/04/2025 10:19	1	16EDBW25155001.0011.D	DB CLP2 0.32(mm)
ZZZZZ (QC)		06/04/2025 10:53	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		06/04/2025 10:53	1		DB CLP2 0.32(mm)
ZZZZZ (QC)		06/04/2025 11:10	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		06/04/2025 11:10	1		DB CLP2 0.32(mm)
ZZZZZ (QC)		06/04/2025 11:27	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		06/04/2025 11:27	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 11:44	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 11:44	1		DB CLP2 0.32(mm)
ZZZZZ (QC)		06/04/2025 12:01	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		06/04/2025 12:01	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 12:18	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 12:18	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 12:35	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 12:35	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 12:52	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 12:52	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 13:09	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 13:09	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 13:26	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 13:26	1		DB CLP2 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

SDG No.:

Instrument ID: 19853

Start Date: 06/04/2025 08:04

Analysis Batch Number: 652600

End Date: 06/04/2025 18:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
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ZZZZZ (Client)		06/04/2025 13:43	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 14:00	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 14:00	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 14:17	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 14:17	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 14:34	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 14:34	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 14:51	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 14:51	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 15:08	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 15:08	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 15:25	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 15:25	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 15:42	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 15:42	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 15:59	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 15:59	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 16:16	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 16:16	1		DB CLP2 0.32(mm)
CCV 410-652600/33		06/04/2025 16:33	1		DB CLP1 0.32(mm)
CCV 410-652600/33		06/04/2025 16:33	1		DB CLP2 0.32(mm)
PIBLK 410-652600/34		06/04/2025 16:50	1		DB CLP1 0.32(mm)
PIBLK 410-652600/34		06/04/2025 16:50	1		DB CLP2 0.32(mm)
ZZZZZ (QC)		06/04/2025 17:07	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		06/04/2025 17:07	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 17:24	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 17:24	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 17:42	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 17:42	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 17:59	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 17:59	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/04/2025 18:16	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/04/2025 18:16	1		DB CLP2 0.32(mm)
CCV 410-652600/40		06/04/2025 18:33	1		DB CLP1 0.32(mm)
CCV 410-652600/40		06/04/2025 18:33	1		DB CLP2 0.32(mm)
PIBLK 410-652600/41		06/04/2025 18:50	1		DB CLP1 0.32(mm)
PIBLK 410-652600/41		06/04/2025 18:50	1		DB CLP2 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

SDG No.:

Instrument ID: 19853

Start Date: 06/06/2025 12:18

Analysis Batch Number: 654000

End Date: 06/07/2025 02:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 410-654000/3		06/06/2025 12:18	1	16EDBW25155002.0003.D	DB CLP1 0.32(mm)
CCVRT 410-654000/3		06/06/2025 12:18	1	16EDBW25155002.0003.D	DB CLP2 0.32(mm)
PIBLK 410-654000/4		06/06/2025 12:35	1		DB CLP1 0.32(mm)
PIBLK 410-654000/4		06/06/2025 12:35	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/06/2025 12:52	10		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/06/2025 12:52	10		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/06/2025 13:09	10		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/06/2025 13:09	10		DB CLP2 0.32(mm)
ZZZZZ (QC)		06/06/2025 13:26	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		06/06/2025 13:26	1		DB CLP2 0.32(mm)
ZZZZZ (QC)		06/06/2025 13:43	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		06/06/2025 13:43	1		DB CLP2 0.32(mm)
ZZZZZ (QC)		06/06/2025 14:00	1		DB CLP1 0.32(mm)
ZZZZZ (QC)		06/06/2025 14:00	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/06/2025 15:08	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/06/2025 15:08	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/06/2025 15:25	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/06/2025 15:25	1		DB CLP2 0.32(mm)
CCV 410-654000/15		06/06/2025 15:42	1	16EDBW25155002.0015.D	DB CLP1 0.32(mm)
CCV 410-654000/15		06/06/2025 15:42	1	16EDBW25155002.0015.D	DB CLP2 0.32(mm)
PIBLK 410-654000/16		06/06/2025 15:59	1	16EDBW25155002.0016.D	DB CLP1 0.32(mm)
PIBLK 410-654000/16		06/06/2025 15:59	1	16EDBW25155002.0016.D	DB CLP2 0.32(mm)
ZZZZZ (Client)		06/06/2025 16:16	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/06/2025 16:16	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/06/2025 16:33	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/06/2025 16:33	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/06/2025 16:50	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/06/2025 16:50	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/06/2025 17:07	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/06/2025 17:07	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/06/2025 17:25	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/06/2025 17:25	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/06/2025 17:42	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/06/2025 17:42	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/06/2025 17:59	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/06/2025 17:59	1		DB CLP2 0.32(mm)
MB 410-653819/1-A		06/06/2025 18:16	1	16EDBW25155002.0024.D	DB CLP1 0.32(mm)
MB 410-653819/1-A		06/06/2025 18:16	1	16EDBW25155002.0024.D	DB CLP2 0.32(mm)
CCV 410-654000/25		06/06/2025 18:33	1	16EDBW25155002.0025.D	DB CLP1 0.32(mm)
CCV 410-654000/25		06/06/2025 18:33	1	16EDBW25155002.0025.D	DB CLP2 0.32(mm)

8011

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

SDG No.:

Instrument ID: 19853

Start Date: 06/06/2025 12:18

Analysis Batch Number: 654000

End Date: 06/07/2025 02:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 410-654000/26		06/06/2025 18:50	1	16EDBW25155002.0026.D	DB CLP1 0.32(mm)
PIBLK 410-654000/26		06/06/2025 18:50	1	16EDBW25155002.0026.D	DB CLP2 0.32(mm)
LCS 410-653819/2-A		06/06/2025 19:07	1	16EDBW25155002.0027.D	DB CLP1 0.32(mm)
LCS 410-653819/2-A		06/06/2025 19:07	1	16EDBW25155002.0027.D	DB CLP2 0.32(mm)
LCSD 410-653819/3-A		06/06/2025 19:24	1	16EDBW25155002.0028.D	DB CLP1 0.32(mm)
LCSD 410-653819/3-A		06/06/2025 19:24	1	16EDBW25155002.0028.D	DB CLP2 0.32(mm)
CCV 410-654000/37		06/06/2025 21:57	1	16EDBW25155002.0037.D	DB CLP1 0.32(mm)
CCV 410-654000/37		06/06/2025 21:57	1	16EDBW25155002.0037.D	DB CLP2 0.32(mm)
PIBLK 410-654000/38		06/06/2025 22:14	1	16EDBW25155002.0038.D	DB CLP1 0.32(mm)
PIBLK 410-654000/38		06/06/2025 22:14	1	16EDBW25155002.0038.D	DB CLP2 0.32(mm)
ZZZZZ (Client)		06/06/2025 22:31	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/06/2025 22:31	1		DB CLP2 0.32(mm)
410-225004-1	MW-2D	06/06/2025 22:48	1	16EDBW25155002.0040.D	DB CLP1 0.32(mm)
410-225004-1	MW-2D	06/06/2025 22:48	1	16EDBW25155002.0040.D	DB CLP2 0.32(mm)
410-225004-2 MS	MW-3D MS	06/06/2025 23:05	1	16EDBW25155002.0041.D	DB CLP1 0.32(mm)
410-225004-2 MS	MW-3D MS	06/06/2025 23:05	1	16EDBW25155002.0041.D	DB CLP2 0.32(mm)
410-225004-2 MSD	MW-3D MSD	06/06/2025 23:22	1	16EDBW25155002.0042.D	DB CLP1 0.32(mm)
410-225004-2 MSD	MW-3D MSD	06/06/2025 23:22	1	16EDBW25155002.0042.D	DB CLP2 0.32(mm)
410-225004-2	MW-3D	06/06/2025 23:39	1	16EDBW25155002.0043.D	DB CLP1 0.32(mm)
410-225004-2	MW-3D	06/06/2025 23:39	1	16EDBW25155002.0043.D	DB CLP2 0.32(mm)
410-225004-3	MW-6D	06/06/2025 23:56	1	16EDBW25155002.0044.D	DB CLP1 0.32(mm)
410-225004-3	MW-6D	06/06/2025 23:56	1	16EDBW25155002.0044.D	DB CLP2 0.32(mm)
410-225004-4	MW-7D	06/07/2025 00:13	1	16EDBW25155002.0045.D	DB CLP1 0.32(mm)
410-225004-4	MW-7D	06/07/2025 00:13	1	16EDBW25155002.0045.D	DB CLP2 0.32(mm)
410-225004-5	MW-8	06/07/2025 00:30	1	16EDBW25155002.0046.D	DB CLP1 0.32(mm)
410-225004-5	MW-8	06/07/2025 00:30	1	16EDBW25155002.0046.D	DB CLP2 0.32(mm)
410-225004-6	EB	06/07/2025 00:47	1	16EDBW25155002.0047.D	DB CLP1 0.32(mm)
410-225004-6	EB	06/07/2025 00:47	1	16EDBW25155002.0047.D	DB CLP2 0.32(mm)
410-225004-7	Trip Blank	06/07/2025 01:04	1	16EDBW25155002.0048.D	DB CLP1 0.32(mm)
410-225004-7	Trip Blank	06/07/2025 01:04	1	16EDBW25155002.0048.D	DB CLP2 0.32(mm)
ZZZZZ (Client)		06/07/2025 01:21	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/07/2025 01:21	1		DB CLP2 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

SDG No.:

Instrument ID: 19853

Start Date: 06/06/2025 12:18

Analysis Batch Number: 654000

End Date: 06/07/2025 02:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		06/07/2025 01:38	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/07/2025 01:38	1		DB CLP2 0.32(mm)
ZZZZZ (Client)		06/07/2025 01:55	1		DB CLP1 0.32(mm)
ZZZZZ (Client)		06/07/2025 01:55	1		DB CLP2 0.32(mm)
CCV 410-654000/52		06/07/2025 02:12	1	16EDBW25155002.0052.D	DB CLP1 0.32(mm)
CCV 410-654000/52		06/07/2025 02:12	1	16EDBW25155002.0052.D	DB CLP2 0.32(mm)
PIBLK 410-654000/53		06/07/2025 02:29	1	16EDBW25155002.0053.D	DB CLP1 0.32(mm)
PIBLK 410-654000/53		06/07/2025 02:29	1	16EDBW25155002.0053.D	DB CLP2 0.32(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 652600 | Batch Start Date: 06/04/25 08:04 | Batch Analyst: Shober, Richard

Batch Method: 8011 | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GCS_EDB1 00029	GCS_EDB2 00029	GCS_EDB3 00033	GCS_EDB4 00055	GCS_EDB5 00032	GCS_EDB6 00029
IC 410-652600/4		8011			1 mL					
IC 410-652600/5		8011				1 mL				
IC 410-652600/6		8011					1 mL			
ICRT 410-652600/7		8011						1 mL		
IC 410-652600/8		8011							1 mL	
IC 410-652600/9		8011								1 mL
ICV 410-652600/11		8011								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GCS_EDBICV 00060					
IC 410-652600/4		8011								
IC 410-652600/5		8011								
IC 410-652600/6		8011								
ICRT 410-652600/7		8011								
IC 410-652600/8		8011								
IC 410-652600/9		8011								
ICV 410-652600/11		8011			1 mL					

Batch Notes	
Vials	clear glass
Vial Lot Number	23096083

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 653819 | Batch Start Date: 06/06/25 06:57 | Batch Analyst: VanLeuven, Bradley W

Batch Method: 8011 | Batch End Date: 06/06/25 09:45

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GrossWeight	TareWeight	DensityAcc	InitialAmount	FinalAmount	ResidualChloCheck
MB 410-653819/1		8011, 8011			60 g	25 g	n/a	35 mL	2 mL	no
LCS 410-653819/2		8011, 8011			60 g	25 g	n/a	35 mL	2 mL	no
LCSD 410-653819/3		8011, 8011			60 g	25 g	n/a	35 mL	2 mL	no
410-225004-B-1	MW-2D	8011, 8011	Water	T	59.652 g	22.418 g	n/a	37.2 mL	2 mL	no
410-225004-B-2 MS	MW-3D	8011, 8011	Water	T	59.344 g	22.166 g	n/a	37.2 mL	2 mL	no
410-225004-B-2 MSD	MW-3D	8011, 8011	Water	T	59.453 g	22.334 g	n/a	37.1 mL	2 mL	no
410-225004-B-2	MW-3D	8011, 8011	Water	T	59.524 g	22.328 g	n/a	37.2 mL	2 mL	no
410-225004-B-3	MW-6D	8011, 8011	Water	T	59.909 g	22.449 g	n/a	37.5 mL	2 mL	no
410-225004-B-4	MW-7D	8011, 8011	Water	T	59.478 g	22.146 g	n/a	37.3 mL	2 mL	no
410-225004-B-5	MW-8	8011, 8011	Water	T	59.398 g	22.296 g	n/a	37.1 mL	2 mL	no
410-225004-B-6	EB	8011, 8011	Water	T	59.144 g	22.128 g	n/a	37 mL	2 mL	no
410-225004-B-7	Trip Blank	8011, 8011	Water	T	59.095 g	21.822 g	n/a	37.3 mL	2 mL	no

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ReceivedpH	OP_EDB_MS 00086	OP_EDB_SS 00152	AnalysisComment		
MB 410-653819/1		8011, 8011			< 2 SU		0.1 mL	di h20		
LCS 410-653819/2		8011, 8011			< 2 SU	0.07 mL	0.1 mL	di h20		
LCSD 410-653819/3		8011, 8011			< 2 SU	0.07 mL	0.1 mL	di h20		
410-225004-B-1	MW-2D	8011, 8011	Water	T	< 2 SU		0.1 mL	clear, sediment		
410-225004-B-2 MS	MW-3D	8011, 8011	Water	T	< 2 SU	0.07 mL	0.1 mL	clear		
410-225004-B-2 MSD	MW-3D	8011, 8011	Water	T	< 2 SU	0.07 mL	0.1 mL	clear		
410-225004-B-2	MW-3D	8011, 8011	Water	T	< 2 SU		0.1 mL	clear		
410-225004-B-3	MW-6D	8011, 8011	Water	T	< 2 SU		0.1 mL	clear, sediment		
410-225004-B-4	MW-7D	8011, 8011	Water	T	< 2 SU		0.1 mL	clear, sediment		
410-225004-B-5	MW-8	8011, 8011	Water	T	< 2 SU		0.1 mL	clear, sediment		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-225004-1

SDG No.:

Batch Number: 653819 Batch Start Date: 06/06/25 06:57 Batch Analyst: VanLeuven, Bradley W

Batch Method: 8011 Batch End Date: 06/06/25 09:45

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ReceivedpH	OP_EDB_MS 00086	OP_EDB_SS 00152	AnalysisComment		
410-225004-B-6	EB	8011, 8011	Water	T	< 2 SU		0.1 mL	clear		
410-225004-B-7	Trip Blank	8011, 8011	Water	T	< 2 SU		0.1 mL	clear		

Batch Notes	
Balance ID	9330
Balance is Level? (Y/N)	yes
Residual Chlorine Indicator ID	080216
pH Indicator ID	200819B
Pipette/Syringe/Dispenser ID	6
Analyst ID - Extraction	9121
Analyst ID - Spike Analyst	9121
Prep Solvent ID	hexane 65087
NaCl ID	25139B
Na2SO4 ID	25147A
Centrifuge ID	2
Vial Lot Number	23096083
Tumbler ID	2
Tumble Start Time	08:15
Tumble End Time	08:30
Pipette Tip Lot ID	N217500O / N217299)

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-225004-1

SDG No.:

Project: Binghamton Plaza

Client Sample ID	Lab Sample ID
MW-2D	410-225004-1
MW-3D	410-225004-2
MW-6D	410-225004-3
MW-7D	410-225004-4
MW-8	410-225004-5
EB	410-225004-6

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG ID.:

Matrix: Water
Date Sampled: 05/29/2025 09:06

Reporting Basis: WET
Date Received: 05/30/2025 16:43

Preparation Batch Number: 655364
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	0.20	0.087	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 09:06
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number: 654487
Instrument ID: E09 - 30921

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.81	2.0	0.68	ug/L	J		1	6020B
7440-39-3	Barium	39	2.0	0.75	ug/L			1	6020B
7440-43-9	Cadmium	ND	0.50	0.15	ug/L			1	6020B
7440-47-3	Chromium	0.92	2.0	0.55	ug/L	J	B	1	6020B
7439-92-1	Lead	1.1	0.50	0.12	ug/L			1	6020B
7782-49-2	Selenium	0.53	1.0	0.28	ug/L	J		1	6020B
7440-22-4	Silver	ND	0.50	0.10	ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG ID.:

Matrix: Water
Date Sampled: 05/29/2025 09:06

Reporting Basis: WET
Date Received: 05/30/2025 16:43

Preparation Batch Number: 654356
Instrument ID: E07 - 27813

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	2.1	0.70	ug/L			1	6020B
7440-39-3	Barium	33	2.1	0.77	ug/L			1	6020B
7440-43-9	Cadmium	ND	0.52	0.16	ug/L			1	6020B
7440-47-3	Chromium	ND	2.1	0.57	ug/L			1	6020B
7439-92-1	Lead	ND	0.52	0.12	ug/L			1	6020B
7782-49-2	Selenium	0.58	1.0	0.29	ug/L	J		1	6020B
7440-22-4	Silver	ND	0.52	0.10	ug/L			1	6020B
7439-97-6	Mercury	ND	0.20	0.087	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 11:05
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number: 655364
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	0.20	0.087	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 11:05
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number: 654487
Instrument ID: E09 - 30921

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	2.0	0.68	ug/L			1	6020B
7440-39-3	Barium	97	2.0	0.75	ug/L			1	6020B
7440-43-9	Cadmium	ND	0.50	0.15	ug/L			1	6020B
7440-47-3	Chromium	ND	2.0	0.55	ug/L			1	6020B
7439-92-1	Lead	ND	0.50	0.12	ug/L			1	6020B
7782-49-2	Selenium	ND	1.0	0.28	ug/L			1	6020B
7440-22-4	Silver	ND	0.50	0.10	ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 12:23
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number: 655364
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	0.20	0.087	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 12:23
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number: 654487
Instrument ID: E09 - 30921

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	15	2.0	0.68	ug/L			1	6020B
7440-39-3	Barium	350	2.0	0.75	ug/L			1	6020B
7440-43-9	Cadmium	ND	0.50	0.15	ug/L			1	6020B
7440-47-3	Chromium	ND	2.0	0.55	ug/L			1	6020B
7439-92-1	Lead	0.14	0.50	0.12	ug/L	J		1	6020B
7782-49-2	Selenium	0.45	1.0	0.28	ug/L	J		1	6020B
7440-22-4	Silver	ND	0.50	0.10	ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG ID.:

Matrix: Water
Date Sampled: 05/29/2025 08:02

Reporting Basis: WET
Date Received: 05/30/2025 16:43

Preparation Batch Number: 655364
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	0.20	0.087	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 08:02
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number: 654487
Instrument ID: E09 - 30921

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	25	2.0	0.68	ug/L			1	6020B
7440-39-3	Barium	380	2.0	0.75	ug/L			1	6020B
7440-43-9	Cadmium	ND	0.50	0.15	ug/L			1	6020B
7440-47-3	Chromium	ND	2.0	0.55	ug/L			1	6020B
7439-92-1	Lead	ND	0.50	0.12	ug/L			1	6020B
7782-49-2	Selenium	ND	1.0	0.28	ug/L			1	6020B
7440-22-4	Silver	ND	0.50	0.10	ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 12:25
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number: 655364
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	0.20	0.087	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 12:25
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number: 654487
Instrument ID: E09 - 30921

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	14	2.0	0.68	ug/L			1	6020B
7440-39-3	Barium	350	2.0	0.75	ug/L			1	6020B
7440-43-9	Cadmium	ND	0.50	0.15	ug/L			1	6020B
7440-47-3	Chromium	ND	2.0	0.55	ug/L			1	6020B
7439-92-1	Lead	0.12	0.50	0.12	ug/L	J		1	6020B
7782-49-2	Selenium	ND	1.0	0.28	ug/L			1	6020B
7440-22-4	Silver	ND	0.50	0.10	ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: EB
Lab Sample ID: 410-225004-6
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 09:35
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number: 655364
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	0.20	0.087	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: EB
Lab Sample ID: 410-225004-6
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 09:35
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number: 654487
Instrument ID: E09 - 30921

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	2.0	0.68	ug/L			1	6020B
7440-39-3	Barium	ND	2.0	0.75	ug/L			1	6020B
7440-43-9	Cadmium	ND	0.50	0.15	ug/L			1	6020B
7440-47-3	Chromium	ND	2.0	0.55	ug/L			1	6020B
7439-92-1	Lead	ND	0.50	0.12	ug/L			1	6020B
7782-49-2	Selenium	ND	1.0	0.28	ug/L			1	6020B
7440-22-4	Silver	ND	0.50	0.10	ug/L			1	6020B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

ICV Source: MT_MJ_ICV_00137 Concentration Units: ug/L

CCV Source: MT_MJ_CCV_00221

Analyte	ICV 410-657051/3 06/12/2025 17:24				CCV 410-657051/9 06/12/2025 18:07				CCV 410-657051/19 06/12/2025 18:56			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	470		500	94	500		500	100	495		500	99
Barium	489		500	98	497		500	99	502		500	100
Cadmium	52.0		50.0	104	49.5		50.0	99	49.7		50.0	99
Chromium	491		500	98	508		500	102	507		500	101
Lead	49.2		50.0	98	50.6		50.0	101	50.3		50.0	101
Selenium	50.3		50.0	101	51.1		50.0	102	50.3		50.0	101
Silver	49.2		50.0	98	50.9		50.0	102	51.4		50.0	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

ICV Source: MT_MJ_ICV_00137 Concentration Units: ug/L

CCV Source: MT_MJ_CCV_00221

Analyte	CCV 410-657051/29 06/12/2025 19:33				CCV 410-657051/48 06/12/2025 20:29				CCV 410-657051/57 06/12/2025 20:53			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	484		500	97	497		500	99	488		500	98
Barium	502		500	100	504		500	101	506		500	101
Cadmium	48.1		50.0	96	49.1		50.0	98	49.6		50.0	99
Chromium	509		500	102	510		500	102	501		500	100
Lead	50.1		50.0	100	50.0		50.0	100	50.0		50.0	100
Selenium	50.7		50.0	101	51.0		50.0	102	50.2		50.0	100
Silver	49.1		50.0	98	51.0		50.0	102	50.5		50.0	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

ICV Source: MT_MJ_ICV_00138 Concentration Units: ug/L

CCV Source: MT_MJ_CCV_00222

Analyte	ICV 410-657013/4 06/12/2025 15:57				CCV 410-657013/11 06/12/2025 17:02				CCV 410-657013/16 06/12/2025 17:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	238		250	95	241		250	96	249		250	100
Barium	248		250	99	242		250	97	250		250	100
Cadmium	25.7		25.0	103	24.3		25.0	97	23.9		25.0	96
Chromium	240		250	96	239		250	95	235		250	94
Lead	24.5		25.0	98	25.0		25.0	100	25.5		25.0	102
Selenium	24.4		25.0	97	25.2		25.0	101	25.3		25.0	101
Silver	23.8		25.0	95	25.0		25.0	100	24.8		25.0	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

ICV Source: MT_MJ_ICV_00138 Concentration Units: ug/L

CCV Source: MT_MJ_CCV_00222

Analyte	CCV 410-657013/27 06/12/2025 17:52				CCV 410-657013/33 06/12/2025 18:08							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	244		250	98	244		250	97				
Barium	244		250	97	243		250	97				
Cadmium	24.4		25.0	98	24.0		25.0	96				
Chromium	241		250	96	234		250	94				
Lead	24.9		25.0	100	24.9		25.0	99				
Selenium	25.3		25.0	101	25.2		25.0	101				
Silver	25.2		25.0	101	24.7		25.0	99				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

ICV Source: Hg_1Control_00258 Concentration Units: ug/L

CCV Source: Hg_1Cal_00256

Analyte	ICV 410-655133/7-A 06/11/2025 14:10				CCV 410-655133/11-A 06/11/2025 18:03				CCV 410-655133/11-A 06/11/2025 18:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.57		2.50	103	1.01		1.00	101	1.01		1.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

ICV Source: Hg_1Control_00258 Concentration Units: ug/L

CCV Source: Hg_1Cal_00256

Analyte	CCV 410-655133/11-A 06/11/2025 18:49											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.981		1.00	98								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

ICV Source: Hg_1Control_00259 Concentration Units: ug/L

CCV Source: Hg_1Cal_00257

Analyte	ICV 410-658801/7-A 06/17/2025 14:53				CCV 410-658801/11-A 06/17/2025 18:24				CCV 410-658801/11-A 06/17/2025 18:46			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.65		2.50	106	1.02		1.00	102	1.02		1.00	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Method: 6020B Instrument ID: E07 - 27813

Lab Sample ID: CRI 410-657051/5 Concentration Units: ug/L

CRQL Check Standard Source: MT_MJ_CRI-V_00216

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	2.02	1.80	J	89	80-120
Barium	1.99	1.87	J	94	80-120
Cadmium	0.496	0.560		113	80-120
Chromium	2.00	2.09		105	80-120
Lead	0.503	0.513		102	80-120
Selenium	1.00	1.04		104	80-120
Silver	0.496	0.501		101	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Method: 6020B Instrument ID: E09 - 30921

Lab Sample ID: CRI 410-657013/7 Concentration Units: ug/L

CRQL Check Standard Source: MT_MJ_CRI-V_00216

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	2.02	1.99	J	98	80-120
Barium	1.99	1.81	J	91	80-120
Cadmium	0.496	0.515		104	80-120
Chromium	2.00	1.87	J	94	80-120
Lead	0.503	0.488	J	97	80-120
Selenium	1.00	1.01		101	80-120
Silver	0.496	0.517		104	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Method: 7470A Instrument ID: M10 - 31820

Lab Sample ID: CRA 410-655133/8-A Concentration Units: ug/L

CRQL Check Standard Source: Hg_0.1Control_00272

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.217		109	50-150

Lab Sample ID: CRA 410-658801/8-A Concentration Units: ug/L

CRQL Check Standard Source: Hg_0.1Control_00273

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.213		107	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 410-657051/4 06/12/2025 17:30		CCB 410-657051/10 06/12/2025 18:30		CCB 410-657051/20 06/12/2025 19:00		CCB 410-657051/30 06/12/2025 19:37	
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	ND		ND		ND		ND	
Barium	2.0	ND		ND		ND		ND	
Cadmium	0.50	ND		ND		ND		ND	
Chromium	2.0	ND		ND		ND		ND	
Lead	0.50	ND		ND		ND		ND	
Selenium	1.0	ND		ND		ND		ND	
Silver	0.50	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 410-657051/49 06/12/2025 20:33		CCB 410-657051/58 06/12/2025 20:57					
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	ND		ND					
Barium	2.0	ND		ND					
Cadmium	0.50	ND		ND					
Chromium	2.0	ND		ND					
Lead	0.50	ND		ND					
Selenium	1.0	ND		ND					
Silver	0.50	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 410-657013/6 06/12/2025 16:03		CCB 410-657013/12 06/12/2025 17:06		CCB 410-657013/17 06/12/2025 17:25		CCB 410-657013/28 06/12/2025 17:56	
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	ND		ND		ND		ND	
Barium	2.0	ND		ND		ND		ND	
Cadmium	0.50	ND		ND		ND		ND	
Chromium	2.0	ND		ND		ND		ND	
Lead	0.50	ND		ND		ND		ND	
Selenium	1.0	ND		ND		ND		ND	
Silver	0.50	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 410-657013/34 06/12/2025 18:12							
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	ND							
Barium	2.0	ND							
Cadmium	0.50	ND							
Chromium	2.0	ND							
Lead	0.50	ND							
Selenium	1.0	ND							
Silver	0.50	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 410-655133/9-A 06/11/2025 14:12		CCB 410-655133/10-A 06/11/2025 18:05		CCB 410-655133/10-A 06/11/2025 18:28		CCB 410-655133/10-A 06/11/2025 18:51	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 410-658801/9-A 06/17/2025 14:55		CCB 410-658801/10-A 06/17/2025 18:25		CCB 410-658801/10-A 06/17/2025 18:48			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 410-654487/1-A

Instrument Code: E09 - 30921 Batch No.: 657013

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020B
7440-39-3	Barium	ND			6020B
7440-43-9	Cadmium	ND			6020B
7440-47-3	Chromium	0.627	J		6020B
7439-92-1	Lead	ND			6020B
7782-49-2	Selenium	ND			6020B
7440-22-4	Silver	ND			6020B

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 410-654356/1-A

Instrument Code: E07 - 27813 Batch No.: 657051

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020B
7440-39-3	Barium	ND			6020B
7440-43-9	Cadmium	ND			6020B
7440-47-3	Chromium	ND			6020B
7439-92-1	Lead	ND			6020B
7782-49-2	Selenium	ND			6020B
7440-22-4	Silver	ND			6020B

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 410-655364/1-A

Instrument Code: M10 - 31820 Batch No.: 656383

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 410-658634/1-A

Instrument Code: M10 - 31820 Batch No.: 659095

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICSA 410-657051/6 Instrument ID: E07 - 27813

Lab File ID: 035ICSA.d ICS Source: MT_MJ_ICSA_00141

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic	**8.50**	**0.309**	
Barium	**0.390**	**0.191**	
Cadmium	**0.480**	**0.404**	
Chromium	**3.20**	**1.72**	
Lead	**0.120**	**0.0831**	
Selenium	**0.580**	**0.0402**	
Silver	**0.200**	**0.0679**	
Aluminum	*100000*	*90985*	*91*
Antimony	*0.140*	*0.201*	
Beryllium	*0.0200*	*0.0150*	
Calcium	*300000*	*278470*	*93*
Cobalt	*0.220*	*0.343*	
Copper	*0.860*	*0.115*	
Iron	*250000*	*223194*	*89*
Magnesium	*100000*	*89656*	*90*
Manganese	*0.500*	*0.682*	
Molybdenum	*2000*	*1939*	*97*
Nickel	*1.20*	*0.130*	
Potassium	*100000*	*92432*	*92*
Sodium	*250000*	*225442*	*90*
Strontium	*1.70*	*2.52*	
Thallium	*0.0100*	*0.0083*	
Tin	*0.0600*	*-0.301*	
Titanium	*2000*	*1963*	*98*
Uranium	*0.120*	*0.0138*	
Vanadium	*0.460*	*-0.134*	
Zinc	*0.450*	*1.07*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICSAB 410-657051/7 Instrument ID: E07 - 27813

Lab File ID: 036ICSB.d ICS Source: MT_MJ_ICSAB_00123

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**100**	**103**	**103**
Barium		**0.469**	
Cadmium	**100**	**102**	**102**
Chromium	**200**	**194**	**97**
Lead		**0.159**	
Selenium	**100**	**100**	**100**
Silver	**50.0**	**50.6**	**101**
Aluminum	*100000*	*93223*	*93*
Antimony		*0.208*	
Beryllium		*0.0633*	
Calcium	*300000*	*287049*	*96*
Cobalt	*200*	*193*	*97*
Copper	*200*	*191*	*95*
Iron	*250000*	*229237*	*92*
Magnesium	*100000*	*92733*	*93*
Manganese	*200*	*190*	*95*
Molybdenum	*2000*	*2028*	*101*
Nickel	*200*	*201*	*101*
Potassium	*100000*	*96513*	*97*
Sodium	*250000*	*232226*	*93*
Strontium	*2.80*	*2.91*	
Thallium		*0.0251*	
Tin		*1.87*	
Titanium	*2000*	*2082*	*104*
Uranium		*0.0232*	
Vanadium	*200*	*199*	*99*
Zinc	*100*	*106*	*106*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICSA 410-657013/8 Instrument ID: E09 - 30921

Lab File ID: 009ICSA.d ICS Source: MT_MJ_ICSA_00141

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic	**8.50**	**0.174**	
Barium	**0.390**	**0.176**	
Cadmium	**0.480**	**0.142**	
Chromium	**3.20**	**1.48**	
Lead	**0.120**	**0.0960**	
Selenium	**0.580**	**0.0430**	
Silver	**0.200**	**0.0470**	
Aluminum	*100000*	*101710*	*102*
Antimony	*0.140*	*0.173*	
Beryllium	*0.0200*	*0.0190*	
Calcium	*300000*	*275900*	*92*
Cobalt	*0.220*	*0.249*	
Copper	*0.860*	*0.0690*	
Iron	*250000*	*252631*	*101*
Magnesium	*100000*	*100809*	*101*
Manganese	*0.500*	*0.521*	
Molybdenum	*2000*	*1854*	*93*
Nickel	*1.20*	*0.215*	
Potassium	*100000*	*101169*	*101*
Sodium	*250000*	*241764*	*97*
Strontium	*1.70*	*2.18*	
Thallium	*0.0100*	*-0.0020*	
Tin	*0.0600*	*0.228*	
Titanium	*2000*	*1656*	*83*
Uranium	*0.120*	*0.0120*	
Vanadium	*0.460*	*0.0630*	
Zinc	*0.450*	*1.56*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Lab Sample ID: ICSAB 410-657013/9 Instrument ID: E09 - 30921

Lab File ID: 010ICSB.d ICS Source: MT_MJ_ICSAB_00123

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**100**	**96.4**	**96**
Barium		**0.232**	
Cadmium	**100**	**85.8**	**86**
Chromium	**200**	**169**	**85**
Lead		**0.108**	
Selenium	**100**	**98.9**	**99**
Silver	**50.0**	**43.0**	**86**
Aluminum	*100000*	*94336*	*94*
Antimony		*0.167*	
Beryllium		*0.0250*	
Calcium	*300000*	*283375*	*94*
Cobalt	*200*	*168*	*84*
Copper	*200*	*186*	*93*
Iron	*250000*	*236564*	*95*
Magnesium	*100000*	*93147*	*93*
Manganese	*200*	*170*	*85*
Molybdenum	*2000*	*1902*	*95*
Nickel	*200*	*184*	*92*
Potassium	*100000*	*93376*	*93*
Sodium	*250000*	*225186*	*90*
Strontium	*2.80*	*2.38*	
Thallium		*0.0000*	
Tin		*0.984*	
Titanium	*2000*	*1698*	*85*
Uranium		*0.0120*	
Vanadium	*200*	*195*	*97*
Zinc	*100*	*98.9*	*99*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: MW-3D MS
Lab ID: 410-225004-2 MS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Matrix: Water
Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	1.05		ND		1.00	105	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: MW-3D MS
Lab ID: 410-225004-2 MS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Matrix: Water
Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	462		ND		500	92	75-125		6020B
Barium	573		97		500	95	75-125		6020B
Cadmium	45.9		ND		50.0	92	75-125		6020B
Chromium	456		ND		500	91	75-125		6020B
Lead	48.1		ND		50.0	96	75-125		6020B
Selenium	96.2		ND		100	96	75-125		6020B
Silver	46.6		ND		50.0	93	75-125		6020B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: MW-3D MSD | Lab ID: 410-225004-2 MSD

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-225004-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	1.07		1.00	107	80-120	2	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: MW-3D MSD
Lab ID: 410-225004-2 MSD

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Matrix: Water
Concentration Units: ug/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	478		500	96	75-125	4	20		6020B
Barium	567		500	94	75-125	1	20		6020B
Cadmium	46.4		50.0	93	75-125	1	20		6020B
Chromium	454		500	91	75-125	1	20		6020B
Lead	47.8		50.0	96	75-125	1	20		6020B
Selenium	98.0		100	98	75-125	2	20		6020B
Silver	46.0		50.0	92	75-125	1	20		6020B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

6-IN
DUPLICATES
METALS

Client ID: MW-3D DU | Lab ID: 410-225004-2 DU

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-225004-1

SDG No.:

% Solids for Sample: | % Solids for Duplicate:

Matrix: Water | Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.20	ND		ND		NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS - TOTAL RECOVERABLE

Client ID: MW-3D DU | Lab ID: 410-225004-2 DU

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-225004-1

SDG No.:

% Solids for Sample: | % Solids for Duplicate:

Matrix: Water | Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	2.0	ND		ND		NC		6020B
Barium	2.0	97		100		3		6020B
Cadmium	0.50	ND		ND		NC		6020B
Chromium	2.0	ND		ND		NC		6020B
Lead	0.50	ND		ND		NC		6020B
Selenium	1.0	ND		ND		NC		6020B
Silver	0.50	ND		ND		NC		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 410-657013/10

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

Sample Matrix:

LCS Source: MT_MJ_LRC_00125

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	2000	1100		55	90	110	^5-	6020B
Barium	2000	1890		95	90	110		6020B
Cadmium	2000	1830		92	90	110		6020B
Chromium	2000	1740		87	90	110	^5-	6020B
Lead	2000	1900		95	90	110		6020B
Selenium	2000	1970		98	90	110		6020B
Silver	2000	1840		92	90	110		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 410-654487/2-A

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

Sample Matrix: Water

LCS Source: MT_LCS-SPK-A_00052

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	500	472		94	90	109		6020B
Barium	500	472		94	90	113		6020B
Cadmium	50.0	46.4		93	90	112		6020B
Chromium	500	457		91	90	110		6020B
Lead	50.0	48.0		96	90	110		6020B
Selenium	100	95.1		95	90	110		6020B
Silver	50.0	46.8		94	90	112		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 410-657051/8

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

Sample Matrix:

LCS Source: MT_MJ_LRC_00125

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	2000	2000		100	90	110		6020B
Barium	2000	2020		101	90	110		6020B
Cadmium	2000	1900		95	90	110		6020B
Chromium	2000	1910		96	90	110		6020B
Lead	2000	2000		100	90	110		6020B
Selenium	2000	1950		98	90	110		6020B
Silver	2000	1870		94	90	110		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 410-654356/2-A

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

Sample Matrix: Water

LCS Source: MT_LCS-SPK-A_00051

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	500	475		95	90	109		6020B
Barium	500	483		97	90	113		6020B
Cadmium	50.0	47.7		95	90	112		6020B
Chromium	500	473		95	90	110		6020B
Lead	50.0	48.7		97	90	110		6020B
Selenium	100	95.0		95	90	110		6020B
Silver	50.0	47.8		96	90	112		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 410-655364/2-A

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

Sample Matrix: Water

LCS Source: MP_40Hg_IV_00255

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	1.05		105	80	118		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 410-655364/3-A

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

Sample Matrix: Water

LCS Source: MP_40Hg_IV_00255

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	1.03		1.00	103	80-118	2	20		7470A

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 410-658634/2-A

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-225004-1

Sample Matrix: Water

LCS Source: MP_40Hg_IV_00256

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	1.15		115	80	118		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-225004-1

SDG Number:

Matrix: Water Instrument ID: E09 - 30921

Method: 6020B MDL Date: 04/09/2025 09:24

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic	75	2	0.68
Barium	137	2	0.746
Cadmium	111	0.5	0.151
Chromium	52	2	0.55
Lead	208	0.5	0.12
Selenium	78	1	0.278
Silver	107	0.5	0.1

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-225004-1

SDG Number:

Matrix: Water Instrument ID: E09 - 30921

Method: 6020B XMDL Date: 04/09/2025 09:22

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	75	2	0.68
Barium	137	2	0.746
Cadmium	111	0.5	0.151
Chromium	52	2	0.55
Lead	208	0.5	0.12
Selenium	78	1	0.278
Silver	107	0.5	0.1

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-225004-1

SDG Number:

Matrix: Water Instrument ID: E07 - 27813

Method: 6020B MDL Date: 04/09/2025 09:24

Prep Method: Non-Digest Prep

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic	75	2	0.68
Barium	137	2	0.746
Cadmium	111	0.5	0.151
Chromium	52	2	0.55
Lead	208	0.5	0.12
Selenium	78	1	0.278
Silver	107	0.5	0.1

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-225004-1

SDG Number:

Matrix: Water Instrument ID: E07 - 27813

Method: 6020B XMDL Date: 04/09/2025 09:22

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	75	2	0.68
Barium	137	2	0.746
Cadmium	111	0.5	0.151
Chromium	52	2	0.55
Lead	208	0.5	0.12
Selenium	78	1	0.278
Silver	107	0.5	0.1

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-225004-1

SDG Number:

Matrix: Water Instrument ID: M10 - 31820

Method: 7470A MDL Date: 05/08/2025 08:40

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.087

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-225004-1

SDG Number:

Matrix: Water Instrument ID: M10 - 31820

Method: 7470A XMDL Date: 05/08/2025 08:43

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.087

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-225004-1

SDG Number:

Matrix: Water Instrument ID: M10 - 31820

Method: 7470A MDL Date: 05/08/2025 08:40

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.087

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-225004-1

SDG Number:

Matrix: Water Instrument ID: M10 - 31820

Method: 7470A XMDL Date: 05/08/2025 08:43

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.087

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No: 410-225004-1

SDG No.:

Instrument ID: E07 - 27813 Date: 11/26/2024 16:32

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		2000	6020B
Barium		2000	6020B
Cadmium		2000	6020B
Chromium		2000	6020B
Lead		2000	6020B
Selenium		2000	6020B
Silver		2000	6020B

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No: 410-225004-1

SDG No.:

Instrument ID: E09 - 30921 Date: 11/26/2024 16:47

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		2000	6020B
Barium		2000	6020B
Cadmium		2000	6020B
Chromium		2000	6020B
Lead		2000	6020B
Selenium		2000	6020B
Silver		2000	6020B

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No: 410-225004-1

SDG No.:

Instrument ID: M10 - 31820 Date: 12/01/2020 00:00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Mercury		4.5	7470A

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Prep Method: Non-Digest Prep

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 410-654356/1-A	06/10/2025 08:50	654356		50	51.5
LCS 410-654356/2-A	06/10/2025 08:50	654356		50	50
410-225004-1	06/10/2025 08:50	654356		50	51.5

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 410-654487/1-A	06/09/2025 22:00	654487		50	50
LCS 410-654487/2-A	06/09/2025 22:00	654487		50	50
410-225004-2	06/09/2025 22:00	654487		50	50
410-225004-2 DU	06/09/2025 22:00	654487		50	50
410-225004-2 MS	06/09/2025 22:00	654487		50	50
410-225004-2 MSD	06/09/2025 22:00	654487		50	50
410-225004-3	06/09/2025 22:00	654487		50	50
410-225004-4	06/09/2025 22:00	654487		50	50
410-225004-6	06/09/2025 22:00	654487		50	50
410-225004-5	06/09/2025 22:00	654487		50	50
410-225004-1	06/09/2025 22:00	654487		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 410-655364/1-A	06/11/2025 07:42	655364		20.0	20.0
LCS 410-655364/2-A	06/11/2025 07:42	655364		20.0	20.0
LCSD 410-655364/3-A	06/11/2025 07:42	655364		20	20.0
410-225004-2	06/11/2025 07:42	655364		20	20.0
410-225004-2 DU	06/11/2025 07:42	655364		20	20.0
410-225004-2 MS	06/11/2025 07:42	655364		20	20.0
410-225004-2 MSD	06/11/2025 07:42	655364		20	20.0
410-225004-6	06/11/2025 07:42	655364		20	20.0
410-225004-1	06/11/2025 07:42	655364		20	20.0
410-225004-5	06/11/2025 07:42	655364		20	20.0
410-225004-4	06/11/2025 07:42	655364		20	20.0
410-225004-3	06/11/2025 07:42	655364		20	20.0

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 410-658634/1-A	06/17/2025 10:40	658634		20.0	20.0
LCS 410-658634/2-A	06/17/2025 10:40	658634		20.0	20.0
410-225004-1	06/17/2025 10:40	658634		20.0	20.0

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: E07 - 27813 Method: 6020B

Start Date: 06/12/2025 17:19 End Date: 06/12/2025 22:15

Lab Sample ID	D / F	Type	Time	Analytes																		
				Ag	As	Ba	Cd	Cr	Pb	Se												
ICIS 410-657051/1			17:19	X	X	X	X	X	X	X												
STD1 410-657051/2 IC	1		17:22	X	X	X	X	X	X	X												
ICV 410-657051/3	1		17:24	X	X	X	X	X	X	X												
ICB 410-657051/4	1		17:30	X	X	X	X	X	X	X												
CRI 410-657051/5	1		17:35	X	X	X	X	X	X	X												
ICSA 410-657051/6	1		17:43	X	X	X	X	X	X	X												
ICSAB 410-657051/7	1		17:45	X	X	X	X	X	X	X												
LRC 410-657051/8	1		17:47	X	X	X	X	X	X	X												
CCV 410-657051/9	1		18:07	X	X	X	X	X	X	X												
CCB 410-657051/10	1		18:30	X	X	X	X	X	X	X												
ZZZZZZ (QC)			18:32																			
ZZZZZZ (QC)			18:34																			
ZZZZZZ (QC)			18:37																			
ZZZZZZ (QC)			18:39																			
ZZZZZZ (QC)			18:41																			
ZZZZZZ (QC)			18:43																			
MB 410-654356/1-A	1	T	18:45	X	X	X	X	X	X	X												
ZZZZZZ (QC)			18:47																			
CCV 410-657051/19	1		18:56	X	X	X	X	X	X	X												
CCB 410-657051/20	1		19:00	X	X	X	X	X	X	X												
ZZZZZZ (QC)			19:05																			
LCS 410-654356/2-A	1	T	19:07	X	X	X	X	X	X	X												
ZZZZZZ (QC)			19:09																			
ZZZZZZ (QC)			19:11																			
ZZZZZZ (QC)			19:14																			
ZZZZZZ (QC)			19:20																			
ZZZZZZ (QC)			19:22																			
ZZZZZZ (QC)			19:25																			
CCV 410-657051/29	1		19:33	X	X	X	X	X	X	X												
CCB 410-657051/30	1		19:37	X	X	X	X	X	X	X												
ZZZZZZ (Client)			19:42																			
ZZZZZZ (Client)			19:44																			
ZZZZZZ (Client)			19:49																			
ZZZZZZ (Client)			19:51																			
ZZZZZZ (Client)			19:54																			
ZZZZZZ (Client)			19:56																			
ZZZZZZ (Client)			19:59																			
ZZZZZZ (Client)			20:01																			
CCV 410-657051/39			20:05																			
CCB 410-657051/40			20:10																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: E07 - 27813 Method: 6020B

Start Date: 06/12/2025 17:19 End Date: 06/12/2025 22:15

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ (Client)			20:12																				
ZZZZZZ (Client)			20:14																				
ZZZZZZ (Client)			20:16																				
ZZZZZZ (Client)			20:18																				
ZZZZZZ (QC)			20:20																				
ZZZZZZ (QC)			20:23																				
ZZZZZZ (QC)			20:25																				
CCV 410-657051/48	1		20:29	X	X	X	X	X	X	X													
CCB 410-657051/49	1		20:33	X	X	X	X	X	X	X													
ZZZZZZ (Client)			20:36																				
ZZZZZZ (Client)			20:38																				
ZZZZZZ (Client)			20:40																				
ZZZZZZ (Client)			20:42																				
ZZZZZZ (Client)			20:44																				
410-225004-1	1	D	20:46	X	X	X	X	X	X	X													
ZZZZZZ (Client)			20:48																				
CCV 410-657051/57	1		20:53	X	X	X	X	X	X	X													
CCB 410-657051/58	1		20:57	X	X	X	X	X	X	X													
ZZZZZZ (Client)			20:59																				
ZZZZZZ (QC)			21:02																				
ZZZZZZ (QC)			21:04																				
ZZZZZZ (QC)			21:06																				
ZZZZZZ (Client)			21:08																				
ZZZZZZ (Client)			21:11																				
ZZZZZZ (Client)			21:13																				
ZZZZZZ (Client)			21:15																				
ZZZZZZ (Client)			21:18																				
ZZZZZZ (Client)			21:20																				
CCV 410-657051/69			21:24																				
CCB 410-657051/70			21:28																				
ZZZZZZ (Client)			21:31																				
ZZZZZZ (Client)			21:33																				
ZZZZZZ (Client)			21:35																				
ZZZZZZ (Client)			21:37																				
ZZZZZZ (Client)			21:39																				
ZZZZZZ (Client)			21:42																				
ZZZZZZ (Client)			21:44																				
ZZZZZZ (Client)			21:46																				
ZZZZZZ (Client)			21:48																				
ZZZZZZ (Client)			21:51																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: E07 - 27813 Method: 6020B

Start Date: 06/12/2025 17:19 End Date: 06/12/2025 22:15

Lab Sample ID	D / F	Type	Time	Analytes																		
				Ag	As	Ba	Cd	Cr	Pb	Se												
CCV 410-657051/81			21:55																			
CCB 410-657051/82			21:59																			
ZZZZZZ (Client)			22:02																			
ZZZZZZ (Client)			22:04																			
ZZZZZZ (Client)			22:06																			
CCV 410-657051/86			22:11																			
CCB 410-657051/87			22:15																			

Prep Types

D = Dissolved

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: E09 - 30921 Method: 6020B

Start Date: 06/12/2025 07:49 End Date: 06/12/2025 20:25

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ITUNE 410-657013/1			07:49																				
ICIS 410-657013/2			15:53	X	X	X	X	X	X	X													
STD1 410-657013/3 IC	1		15:55	X	X	X	X	X	X	X													
ICV 410-657013/4	1		15:57	X	X	X	X	X	X	X													
ZZZZZZ (QC)			16:01																				
ICB 410-657013/6	1		16:03	X	X	X	X	X	X	X													
CRI 410-657013/7	1		16:06	X	X	X	X	X	X	X													
ICSA 410-657013/8	1		16:08	X	X	X	X	X	X	X													
ICSAB 410-657013/9	1		16:10	X	X	X	X	X	X	X													
LRC 410-657013/10	1		16:23	X	X	X	X	X	X	X													
CCV 410-657013/11	1		17:02	X	X	X	X	X	X	X													
CCB 410-657013/12	1		17:06	X	X	X	X	X	X	X													
MB 410-654487/1-A	1	R	17:10	X	X	X	X	X	X	X													
ZZZZZZ (QC)			17:12																				
LCS 410-654487/2-A	1	R	17:16	X	X	X	X	X	X	X													
CCV 410-657013/16	1		17:21	X	X	X	X	X	X	X													
CCB 410-657013/17	1		17:25	X	X	X	X	X	X	X													
ZZZZZZ (QC)			17:27																				
410-225004-2	1	R	17:33	X	X	X	X	X	X	X													
410-225004-2 DU	1	R	17:35	X	X	X	X	X	X	X													
410-225004-2 MS	1	R	17:37	X	X	X	X	X	X	X													
410-225004-2 MSD	1	R	17:39	X	X	X	X	X	X	X													
410-225004-3	1	R	17:41	X	X	X	X	X	X	X													
410-225004-4	1	R	17:44	X	X	X	X	X	X	X													
410-225004-6	1	R	17:46	X	X	X	X	X	X	X													
410-225004-5	1	R	17:48	X	X	X	X	X	X	X													
CCV 410-657013/27	1		17:52	X	X	X	X	X	X	X													
CCB 410-657013/28	1		17:56	X	X	X	X	X	X	X													
410-225004-1	1	R	17:58	X	X	X	X	X	X	X													
ZZZZZZ (Client)			18:00																				
ZZZZZZ (Client)			18:02																				
ZZZZZZ (Client)			18:04																				
CCV 410-657013/33	1		18:08	X	X	X	X	X	X	X													
CCB 410-657013/34	1		18:12	X	X	X	X	X	X	X													
ZZZZZZ (Client)			18:14																				
ZZZZZZ (Client)			18:16																				
ZZZZZZ (Client)			18:18																				
ZZZZZZ (Client)			18:20																				
ZZZZZZ (Client)			18:22																				
ZZZZZZ (Client)			18:24																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: E09 - 30921 Method: 6020B

Start Date: 06/12/2025 07:49 End Date: 06/12/2025 20:25

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ (Client)			18:27																				
ZZZZZZ (Client)			18:29																				
ZZZZZZ (Client)			18:31																				
CCV 410-657013/44			18:35																				
CCB 410-657013/45			18:39																				
ZZZZZZ (Client)			18:41																				
ZZZZZZ (QC)			18:43																				
ZZZZZZ (QC)			18:45																				
ZZZZZZ (QC)			18:47																				
CCV 410-657013/50			18:51																				
CCB 410-657013/51			18:55																				
ZZZZZZ (QC)			18:57																				
ZZZZZZ (QC)			18:59																				
ZZZZZZ (Client)			19:01																				
ZZZZZZ (QC)			19:03																				
ZZZZZZ (QC)			19:05																				
ZZZZZZ (QC)			19:07																				
CCV 410-657013/58			19:11																				
CCB 410-657013/59			19:16																				
ZZZZZZ (QC)			19:18																				
ZZZZZZ (Client)			19:20																				
ZZZZZZ (QC)			19:22																				
ZZZZZZ (QC)			19:24																				
ZZZZZZ (Client)			19:26																				
ZZZZZZ (QC)			19:28																				
CCV 410-657013/66			19:32																				
CCB 410-657013/67			19:36																				
ZZZZZZ (Client)			19:38																				
ZZZZZZ (Client)			19:40																				
ZZZZZZ (Client)			19:42																				
ZZZZZZ (Client)			19:44																				
ZZZZZZ (QC)			19:46																				
ZZZZZZ (Client)			19:48																				
ZZZZZZ (Client)			19:50																				
CCV 410-657013/75			19:54																				
CCB 410-657013/76			19:58																				
ZZZZZZ (QC)			20:00																				
ZZZZZZ (QC)			20:02																				
ZZZZZZ (Client)			20:04																				
ZZZZZZ (QC)			20:06																				

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ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: E09 - 30921 Method: 6020B

Start Date: 06/12/2025 07:49 End Date: 06/12/2025 20:25

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ (QC)			20:08																				
ZZZZZZ (QC)			20:10																				
ZZZZZZ (Client)			20:12																				
ZZZZZZ (Client)			20:14																				
ZZZZZZ (QC)			20:16																				
CCV 410-657013/86			20:21																				
CCB 410-657013/87			20:25																				

Prep Types

R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: M10 - 31820 Method: 7470A

Start Date: 06/11/2025 13:59 End Date: 06/11/2025 20:12

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
IC 410-655133/1-A			13:59	X																			
IC 410-655133/2-A			14:01	X																			
IC 410-655133/3-A			14:03	X																			
IC 410-655133/4-A			14:05	X																			
IC 410-655133/5-A			14:06	X																			
IC 410-655133/6-A			14:08	X																			
ICV 410-655133/7-A	1		14:10	X																			
ICB 410-655133/9-A	1		14:12	X																			
CRA 410-655133/8-A	1		14:14	X																			
CCV 410-655133/11-A			14:16																				
CCB 410-655133/10-A			14:18																				
ZZZZZZ (QC)			14:20																				
ZZZZZZ (QC)			14:22																				
ZZZZZZ (Client)			14:23																				
ZZZZZZ (QC)			14:25																				
ZZZZZZ (QC)			14:27																				
ZZZZZZ (QC)			14:29																				
ZZZZZZ (Client)			14:31																				
ZZZZZZ (Client)			14:33																				
ZZZZZZ (Client)			14:35																				
ZZZZZZ (Client)			14:37																				
CCV 410-655133/11-A			14:39																				
CCB 410-655133/10-A			14:40																				
ZZZZZZ (Client)			14:42																				
ZZZZZZ (Client)			14:44																				
ZZZZZZ (Client)			14:46																				
ZZZZZZ (Client)			14:48																				
ZZZZZZ (Client)			14:50																				
ZZZZZZ (Client)			14:52																				
ZZZZZZ (Client)			14:54																				
ZZZZZZ (Client)			14:56																				
ZZZZZZ (Client)			14:57																				
ZZZZZZ (Client)			14:59																				
CCV 410-655133/11-A			15:01																				
CCB 410-655133/10-A			15:03																				
ZZZZZZ (Client)			15:05																				
ZZZZZZ (Client)			15:07																				
ZZZZZZ (QC)			15:09																				
ZZZZZZ (QC)			15:11																				
ZZZZZZ (QC)			15:13																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: M10 - 31820 Method: 7470A

Start Date: 06/11/2025 13:59 End Date: 06/11/2025 20:12

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ (QC)			15:14																				
ZZZZZZ (QC)			15:16																				
ZZZZZZ (Client)			15:18																				
ZZZZZZ (QC)			15:20																				
ZZZZZZ (QC)			15:22																				
CCV 410-655133/11-A			15:24																				
CCB 410-655133/10-A			15:26																				
ZZZZZZ (QC)			15:28																				
ZZZZZZ (Client)			15:30																				
ZZZZZZ (Client)			15:32																				
ZZZZZZ (Client)			15:33																				
ZZZZZZ (Client)			15:35																				
ZZZZZZ (Client)			15:37																				
ZZZZZZ (Client)			15:39																				
ZZZZZZ (Client)			15:41																				
ZZZZZZ (Client)			15:43																				
ZZZZZZ (Client)			15:45																				
CCV 410-655133/11-A			15:47																				
CCB 410-655133/10-A			15:49																				
ZZZZZZ (Client)			15:51																				
ZZZZZZ (Client)			15:52																				
ZZZZZZ (Client)			15:54																				
ZZZZZZ (Client)			15:56																				
ZZZZZZ (Client)			15:58																				
ZZZZZZ (Client)			16:00																				
ZZZZZZ (Client)			16:02																				
ZZZZZZ (Client)			16:04																				
ZZZZZZ (Client)			16:06																				
ZZZZZZ (Client)			16:08																				
CCV 410-655133/11-A			16:10																				
CCB 410-655133/10-A			16:11																				
ZZZZZZ (QC)			16:13																				
ZZZZZZ (QC)			16:15																				
ZZZZZZ (Client)			16:17																				
ZZZZZZ (QC)			16:19																				
ZZZZZZ (QC)			16:21																				
ZZZZZZ (QC)			16:23																				
ZZZZZZ (Client)			16:25																				
ZZZZZZ (Client)			16:27																				
ZZZZZZ (Client)			16:29																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: M10 - 31820 Method: 7470A

Start Date: 06/11/2025 13:59 End Date: 06/11/2025 20:12

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ (Client)			16:31																				
CCV 410-655133/11-A			16:32																				
CCB 410-655133/10-A			16:34																				
ZZZZZZ (Client)			16:36																				
ZZZZZZ (Client)			16:38																				
ZZZZZZ (Client)			16:40																				
ZZZZZZ (Client)			16:42																				
ZZZZZZ (Client)			16:44																				
ZZZZZZ (Client)			16:46																				
ZZZZZZ (Client)			16:48																				
ZZZZZZ (Client)			16:50																				
ZZZZZZ (Client)			16:51																				
ZZZZZZ (Client)			16:53																				
CCV 410-655133/11-A			16:55																				
CCB 410-655133/10-A			16:57																				
ZZZZZZ (Client)			16:59																				
ZZZZZZ (Client)			17:01																				
ZZZZZZ (Client)			17:03																				
ZZZZZZ (Client)			17:05																				
ZZZZZZ (Client)			17:06																				
ZZZZZZ (QC)			17:08																				
ZZZZZZ (QC)			17:10																				
ZZZZZZ (Client)			17:12																				
ZZZZZZ (QC)			17:14																				
ZZZZZZ (QC)			17:16																				
CCV 410-655133/11-A			17:18																				
CCB 410-655133/10-A			17:20																				
ZZZZZZ (QC)			17:22																				
ZZZZZZ (Client)			17:23																				
ZZZZZZ (Client)			17:25																				
ZZZZZZ (Client)			17:27																				
ZZZZZZ (Client)			17:29																				
ZZZZZZ (QC)			17:31																				
ZZZZZZ (Client)			17:33																				
ZZZZZZ (QC)			17:35																				
ZZZZZZ (QC)			17:37																				
ZZZZZZ (QC)			17:39																				
CCV 410-655133/11-A			17:41																				
CCB 410-655133/10-A			17:42																				
ZZZZZZ (Client)			17:44																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: M10 - 31820 Method: 7470A

Start Date: 06/11/2025 13:59 End Date: 06/11/2025 20:12

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ (Client)			17:46																				
ZZZZZZ (Client)			17:48																				
ZZZZZZ (QC)			17:50																				
ZZZZZZ (QC)			17:52																				
ZZZZZZ (Client)			17:54																				
ZZZZZZ (QC)			17:56																				
ZZZZZZ (QC)			17:58																				
ZZZZZZ (QC)			18:00																				
ZZZZZZ (Client)			18:01																				
CCV 410-655133/11-A	1		18:03	X																			
CCB 410-655133/10-A	1		18:05	X																			
ZZZZZZ (Client)			18:07																				
ZZZZZZ (QC)			18:09																				
MB 410-655364/1-A	1	T	18:11	X																			
LCS 410-655364/2-A	1	T	18:13	X																			
LCSD 410-655364/3-A	1	T	18:15	X																			
410-225004-2	1	T	18:17	X																			
410-225004-2 DU	1	T	18:19	X																			
410-225004-2 MS	1	T	18:20	X																			
410-225004-2 MSD	1	T	18:22	X																			
410-225004-6	1	T	18:24	X																			
CCV 410-655133/11-A	1		18:26	X																			
CCB 410-655133/10-A	1		18:28	X																			
410-225004-1	1	T	18:30	X																			
410-225004-5	1	T	18:32	X																			
410-225004-4	1	T	18:34	X																			
410-225004-3	1	T	18:36	X																			
ZZZZZZ (Client)			18:38																				
ZZZZZZ (Client)			18:40																				
ZZZZZZ (Client)			18:41																				
ZZZZZZ (Client)			18:43																				
ZZZZZZ (Client)			18:45																				
ZZZZZZ (Client)			18:47																				
CCV 410-655133/11-A	1		18:49	X																			
CCB 410-655133/10-A	1		18:51	X																			
ZZZZZZ (Client)			18:53																				
ZZZZZZ (Client)			18:55																				
ZZZZZZ (Client)			18:57																				
ZZZZZZ (Client)			18:59																				
ZZZZZZ (Client)			19:01																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: M10 - 31820 Method: 7470A

Start Date: 06/11/2025 13:59 End Date: 06/11/2025 20:12

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ (Client)			19:02																				
ZZZZZZ (Client)			19:04																				
ZZZZZZ			19:06																				
ZZZZZZ			19:08																				
ZZZZZZ (QC)			19:10																				
CCV 410-655133/11-A			19:12																				
CCB 410-655133/10-A			19:14																				
ZZZZZZ (QC)			19:16																				
ZZZZZZ (Client)			19:18																				
ZZZZZZ (QC)			19:19																				
ZZZZZZ (QC)			19:21																				
ZZZZZZ (QC)			19:23																				
ZZZZZZ (Client)			19:25																				
ZZZZZZ (Client)			19:27																				
ZZZZZZ (Client)			19:29																				
ZZZZZZ (Client)			19:31																				
ZZZZZZ (Client)			19:33																				
CCV 410-655133/11-A			19:35																				
CCB 410-655133/10-A			19:36																				
ZZZZZZ (Client)			19:38																				
ZZZZZZ (Client)			19:40																				
ZZZZZZ (Client)			19:42																				
ZZZZZZ (Client)			19:44																				
ZZZZZZ (Client)			19:46																				
ZZZZZZ (Client)			19:48																				
ZZZZZZ (Client)			19:50																				
ZZZZZZ (Client)			19:52																				
ZZZZZZ (Client)			19:53																				
ZZZZZZ (Client)			19:55																				
CCV 410-655133/11-A			19:57																				
CCB 410-655133/10-A			19:59																				
ZZZZZZ (Client)			20:01																				
ZZZZZZ (Client)			20:03																				
ZZZZZZ (Client)			20:05																				
ZZZZZZ (Client)			20:07																				
ZZZZZZ			20:09																				
CCV 410-655133/11-A			20:10																				
CCB 410-655133/10-A			20:12																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1

SDG No.:

Instrument ID: M10 - 31820
Method: 7470A

Start Date: 06/11/2025 13:59
End Date: 06/11/2025 20:12

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: M10 - 31820 Method: 7470A

Start Date: 06/17/2025 14:42 End Date: 06/17/2025 19:56

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
IC 410-658801/1-A			14:42	X																			
IC 410-658801/2-A			14:44	X																			
IC 410-658801/3-A			14:46	X																			
IC 410-658801/4-A			14:48	X																			
IC 410-658801/5-A			14:49	X																			
IC 410-658801/6-A			14:51	X																			
ICV 410-658801/7-A	1		14:53	X																			
ICB 410-658801/9-A	1		14:55	X																			
CRA 410-658801/8-A	1		14:57	X																			
CCV 410-658801/11-A			14:59																				
CCB 410-658801/10-A			15:01																				
ZZZZZZ (QC)			15:03																				
ZZZZZZ (QC)			15:05																				
ZZZZZZ (QC)			15:06																				
ZZZZZZ (Client)			15:08																				
ZZZZZZ (QC)			15:10																				
ZZZZZZ (QC)			15:12																				
ZZZZZZ (QC)			15:14																				
ZZZZZZ (Client)			15:16																				
ZZZZZZ (Client)			15:18																				
ZZZZZZ (Client)			15:20																				
CCV 410-658801/11-A			15:22																				
CCB 410-658801/10-A			15:23																				
ZZZZZZ (Client)			15:25																				
ZZZZZZ (Client)			15:27																				
ZZZZZZ (Client)			15:29																				
ZZZZZZ (Client)			15:31																				
ZZZZZZ (Client)			15:33																				
ZZZZZZ (Client)			15:35																				
ZZZZZZ (Client)			15:37																				
ZZZZZZ (Client)			15:39																				
ZZZZZZ (Client)			15:40																				
ZZZZZZ (Client)			15:42																				
CCV 410-658801/11-A			15:44																				
CCB 410-658801/10-A			15:46																				
ZZZZZZ (Client)			15:48																				
ZZZZZZ (Client)			15:50																				
ZZZZZZ (Client)			15:52																				
ZZZZZZ (Client)			15:54																				
ZZZZZZ (Client)			15:56																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: M10 - 31820 Method: 7470A

Start Date: 06/17/2025 14:42 End Date: 06/17/2025 19:56

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ (QC)			15:57																				
ZZZZZZ (QC)			15:59																				
ZZZZZZ (Client)			16:01																				
ZZZZZZ (QC)			16:03																				
ZZZZZZ (QC)			16:05																				
CCV 410-658801/11-A			16:07																				
CCB 410-658801/10-A			16:09																				
ZZZZZZ (QC)			16:11																				
ZZZZZZ (Client)			16:13																				
ZZZZZZ (Client)			16:15																				
ZZZZZZ (Client)			16:16																				
ZZZZZZ (Client)			16:18																				
ZZZZZZ (Client)			16:20																				
ZZZZZZ (Client)			16:22																				
ZZZZZZ (Client)			16:24																				
ZZZZZZ (Client)			16:26																				
ZZZZZZ (Client)			16:28																				
CCV 410-658801/11-A			16:30																				
CCB 410-658801/10-A			16:32																				
ZZZZZZ (Client)			16:34																				
ZZZZZZ (Client)			16:35																				
ZZZZZZ (Client)			16:37																				
ZZZZZZ (Client)			16:39																				
ZZZZZZ (Client)			16:41																				
ZZZZZZ (Client)			16:43																				
ZZZZZZ (Client)			16:45																				
ZZZZZZ (Client)			16:47																				
ZZZZZZ (Client)			16:49																				
ZZZZZZ (Client)			16:51																				
CCV 410-658801/11-A			16:53																				
CCB 410-658801/10-A			16:54																				
ZZZZZZ (QC)			16:56																				
ZZZZZZ (QC)			16:58																				
ZZZZZZ (Client)			17:00																				
ZZZZZZ (QC)			17:02																				
ZZZZZZ (QC)			17:04																				
ZZZZZZ (QC)			17:06																				
ZZZZZZ (Client)			17:08																				
ZZZZZZ (Client)			17:10																				
ZZZZZZ (Client)			17:12																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: M10 - 31820 Method: 7470A

Start Date: 06/17/2025 14:42 End Date: 06/17/2025 19:56

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ (Client)			17:14																				
CCV 410-658801/11-A			17:15																				
CCB 410-658801/10-A			17:17																				
ZZZZZZ (Client)			17:19																				
ZZZZZZ (QC)			17:21																				
ZZZZZZ (QC)			17:23																				
ZZZZZZ (Client)			17:25																				
ZZZZZZ (QC)			17:27																				
ZZZZZZ (QC)			17:29																				
ZZZZZZ (QC)			17:31																				
ZZZZZZ (Client)			17:32																				
ZZZZZZ (Client)			17:34																				
ZZZZZZ (Client)			17:36																				
CCV 410-658801/11-A			17:38																				
CCB 410-658801/10-A			17:40																				
ZZZZZZ (Client)			17:42																				
ZZZZZZ (Client)			17:44																				
ZZZZZZ (Client)			17:46																				
ZZZZZZ (Client)			17:48																				
ZZZZZZ (Client)			17:49																				
ZZZZZZ (Client)			17:51																				
ZZZZZZ (Client)			17:53																				
ZZZZZZ (Client)			17:55																				
ZZZZZZ (Client)			17:57																				
ZZZZZZ (Client)			17:59																				
CCV 410-658801/11-A			18:01																				
CCB 410-658801/10-A			18:03																				
ZZZZZZ (Client)			18:05																				
ZZZZZZ (Client)			18:06																				
ZZZZZZ (Client)			18:08																				
ZZZZZZ (Client)			18:10																				
ZZZZZZ (Client)			18:12																				
ZZZZZZ (Client)			18:14																				
ZZZZZZ (QC)			18:16																				
ZZZZZZ (QC)			18:18																				
ZZZZZZ (Client)			18:20																				
ZZZZZZ (QC)			18:22																				
CCV 410-658801/11-A	1		18:24	X																			
CCB 410-658801/10-A	1		18:25	X																			
ZZZZZZ (QC)			18:27																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: M10 - 31820 Method: 7470A

Start Date: 06/17/2025 14:42 End Date: 06/17/2025 19:56

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ (QC)			18:29																				
ZZZZZZ (Client)			18:31																				
MB 410-658634/1-A	1	T	18:33	X																			
LCS 410-658634/2-A	1	T	18:35	X																			
ZZZZZZ (Client)			18:37																				
ZZZZZZ (QC)			18:39																				
ZZZZZZ (QC)			18:41																				
ZZZZZZ (QC)			18:43																				
410-225004-1	1	D	18:44	X																			
CCV 410-658801/11-A	1		18:46	X																			
CCB 410-658801/10-A	1		18:48	X																			
ZZZZZZ (Client)			18:50																				
ZZZZZZ (Client)			18:52																				
ZZZZZZ (Client)			18:54																				
ZZZZZZ (Client)			18:56																				
ZZZZZZ (Client)			18:58																				
ZZZZZZ (Client)			19:00																				
ZZZZZZ (Client)			19:02																				
ZZZZZZ (Client)			19:03																				
ZZZZZZ (Client)			19:05																				
ZZZZZZ (Client)			19:07																				
CCV 410-658801/11-A			19:09																				
CCB 410-658801/10-A			19:11																				
ZZZZZZ (Client)			19:13																				
ZZZZZZ (Client)			19:15																				
ZZZZZZ (Client)			19:17																				
ZZZZZZ (Client)			19:19																				
ZZZZZZ (Client)			19:21																				
ZZZZZZ (Client)			19:22																				
ZZZZZZ (Client)			19:24																				
ZZZZZZ (Client)			19:26																				
ZZZZZZ			19:28																				
ZZZZZZ			19:30																				
CCV 410-658801/11-A			19:32																				
CCB 410-658801/10-A			19:34																				
ZZZZZZ (QC)			19:37																				
ZZZZZZ (QC)			19:39																				
ZZZZZZ (Client)			19:41																				
ZZZZZZ (QC)			19:43																				
ZZZZZZ (QC)			19:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: M10 - 31820 Method: 7470A

Start Date: 06/17/2025 14:42 End Date: 06/17/2025 19:56

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ (QC)			19:46																				
ZZZZZZ (Client)			19:48																				
ZZZZZZ (Client)			19:50																				
ZZZZZZ (QC)			19:52																				
CCV 410-658801/11-A			19:54																				
CCB 410-658801/10-A			19:56																				

Prep Types

D = Dissolved

T = Total/NA

14-IN
ICP-MS TUNE
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

ICP-MS Instrument ID: E09 - 30921 Analysis Date: 06/12/25

Lab ID: ITUNE 410-657013/1

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	% RSD	Q
Be-9	9	0.7612	0.404	
Mg-24	24	0.7756	0.401	
Co-59	59	0.7866	0.631	
In-115	115	0.7394	0.868	
Pb-208	208	0.7487	2.31	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.: Analysis Batch No.: 657051

ICP-MS Instrument ID: E07 - 27813 Start Date: 06/12/2025 End Date: 06/12/2025

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Sc-45/1	Q	Element Sc-45/2	Q	Element Sc-45/3	Q	Element Ge/1	Q	Element Ge/2	Q
STD1 410-657051/2	17:22	105		99		100		103		100	
IC ICV 410-657051/3	17:24	102		100		103		101		99	
ICB 410-657051/4	17:30	102		100		103		102		99	
CRI 410-657051/5	17:35	103		101		103		102		99	
ICSA 410-657051/6	17:43	108		101		102		113		104	
ICSAB 410-657051/7	17:45	110		102		102		118		106	
LRC 410-657051/8	17:47	119		106		114		118		105	
CCV 410-657051/9	18:07	112		101		104		108		101	
CCB 410-657051/10	18:30	108		101		103		106		98	
MB 410-654356/1-A	18:45	110		105		106		106		101	
CCV 410-657051/19	18:56	109		102		104		109		101	
CCB 410-657051/20	19:00	112		101		102		108		100	
LCS 410-654356/2-A	19:07	118		105		108		114		105	
CCV 410-657051/29	19:33	110		101		103		106		101	
CCB 410-657051/30	19:37	112		101		102		109		99	
CCV 410-657051/48	20:29	113		101		106		110		100	
CCB 410-657051/49	20:33	110		100		104		107		99	
410-225004-1	20:46	117		102		105		111		101	
CCV 410-657051/57	20:53	121		100		103		116		99	
CCB 410-657051/58	20:57	117		100		101		113		99	
IS Name on Instrument											

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.: Analysis Batch No.: 657051

ICP-MS Instrument ID: E07 - 27813 Start Date: 06/12/2025 End Date: 06/12/2025

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In-115/2	Q	Element In-115/3	Q	Element Tb-159	Q	Element Bi-209	Q
STD1 410-657051/2	17:22	99		99		97		100		101	
IC ICV 410-657051/3	17:24	98		100		98		100		100	
ICB 410-657051/4	17:30	100		100		98		100		101	
CRI 410-657051/5	17:35	99		101		101		101		102	
ICSA 410-657051/6	17:43	103		95		96		100		95	
ICSAB 410-657051/7	17:45	107		97		98		103		96	
LRC 410-657051/8	17:47	103		124		102		103		97	
CCV 410-657051/9	18:07	100		101		100		102		101	
CCB 410-657051/10	18:30	98		100		101		102		100	
MB 410-654356/1-A	18:45	100		105		104		105		105	
CCV 410-657051/19	18:56	100		101		100		103		102	
CCB 410-657051/20	19:00	98		100		99		101		101	
LCS 410-654356/2-A	19:07	105		104		104		106		105	
CCV 410-657051/29	19:33	100		101		104		103		103	
CCB 410-657051/30	19:37	101		100		101		103		102	
CCV 410-657051/48	20:29	99		99		100		103		102	
CCB 410-657051/49	20:33	99		98		100		102		101	
410-225004-1	20:46	100		101		105		105		103	
CCV 410-657051/57	20:53	99		98		100		101		101	
CCB 410-657051/58	20:57	98		98		101		101		101	
IS Name on Instrument											

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.: Analysis Batch No.: 657013

ICP-MS Instrument ID: E09 - 30921 Start Date: 06/12/2025 End Date: 06/12/2025

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Sc-45/1	Q	Element Sc-45/2	Q	Element Sc-45/3	Q	Element Ge/1	Q	Element Ge/2	Q
STD1 410-657013/3	15:55	100		98		101		99		99	
IC ICV 410-657013/4	15:57	103		99		107		103		102	
ICB 410-657013/6	16:03	101		98		101		103		104	
CRI 410-657013/7	16:06	102		99		102		102		101	
ICSA 410-657013/8	16:08	94		99		86				101	
ICSAB 410-657013/9	16:10	87		97		92				102	
LRC 410-657013/10	16:23	120		100		109		121		99	
CCV 410-657013/11	17:02	96		100		100		105		98	
CCB 410-657013/12	17:06	97		99		95		108		102	
MB 410-654487/1-A	17:10	106		104		110		114		106	
LCS 410-654487/2-A	17:16	108		104		111		116		110	
CCV 410-657013/16	17:21	100		101		101		107		100	
CCB 410-657013/17	17:25	98		97		101		107		99	
410-225004-2	17:33	107		108		106		112		106	
410-225004-2 DU	17:35	106		106		102		112		104	
410-225004-2 MS	17:37	109		108		112		115		108	
410-225004-2 MSD	17:39	109		108		113		114		107	
410-225004-3	17:41	105		108		105		117		106	
410-225004-4	17:44	102		107		100		112		109	
410-225004-6	17:46	105		109		113		114		107	
410-225004-5	17:48	110		109		105		120		111	
CCV 410-657013/27	17:52	104		105		108		113		102	
CCB 410-657013/28	17:56	101		102		104		111		102	
410-225004-1	17:58	110		108		106		114		110	
CCV 410-657013/33	18:08	101		103		108		107		104	
CCB 410-657013/34	18:12	101		105		105		109		105	
IS Name on Instrument											

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.: Analysis Batch No.: 657013

ICP-MS Instrument ID: E09 - 30921 Start Date: 06/12/2025 End Date: 06/12/2025

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In-115/2	Q	Element In-115/3	Q	Element Tb-159	Q	Element Bi-209	Q
STD1 410-657013/3	15:55	96		104		101		102		102	
IC ICV 410-657013/4	15:57	99		103		104		102		102	
ICB 410-657013/6	16:03	105		101		103		103		104	
CRI 410-657013/7	16:06	101		103		105		104		104	
ICSA 410-657013/8	16:08	101		94		94		100		97	
ICSAB 410-657013/9	16:10	100		92		91		100		95	
LRC 410-657013/10	16:23	90						101		99	
CCV 410-657013/11	17:02	98		102		102		105		106	
CCB 410-657013/12	17:06	100		100		101		105		107	
MB 410-654487/1-A	17:10	104		106		108		110		115	
LCS 410-654487/2-A	17:16	107		117		110		112		113	
CCV 410-657013/16	17:21	102		102		102		105		108	
CCB 410-657013/17	17:25	99		99		100		105		109	
410-225004-2	17:33	108		108		110		113		113	
410-225004-2 DU	17:35	104		107		110		112		113	
410-225004-2 MS	17:37	106		115		114		113		112	
410-225004-2 MSD	17:39	106		117		110		113		112	
410-225004-3	17:41	108		105		106		114		112	
410-225004-4	17:44	100		102		104		109		110	
410-225004-6	17:46	108		110		113		111		119	
410-225004-5	17:48	108		106		110		115		114	
CCV 410-657013/27	17:52	103		107		106		110		112	
CCB 410-657013/28	17:56	101		102		101		107		112	
410-225004-1	17:58	109		107		112		115		114	
CCV 410-657013/33	18:08	104		107		105		110		111	
CCB 410-657013/34	18:12	101		104		106		107		113	
IS Name on Instrument											

Quantitation Report

Data File Name	028CALB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 17:19:38
Sample Name	ICIS 7792565
Sample Type	CalBlk
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

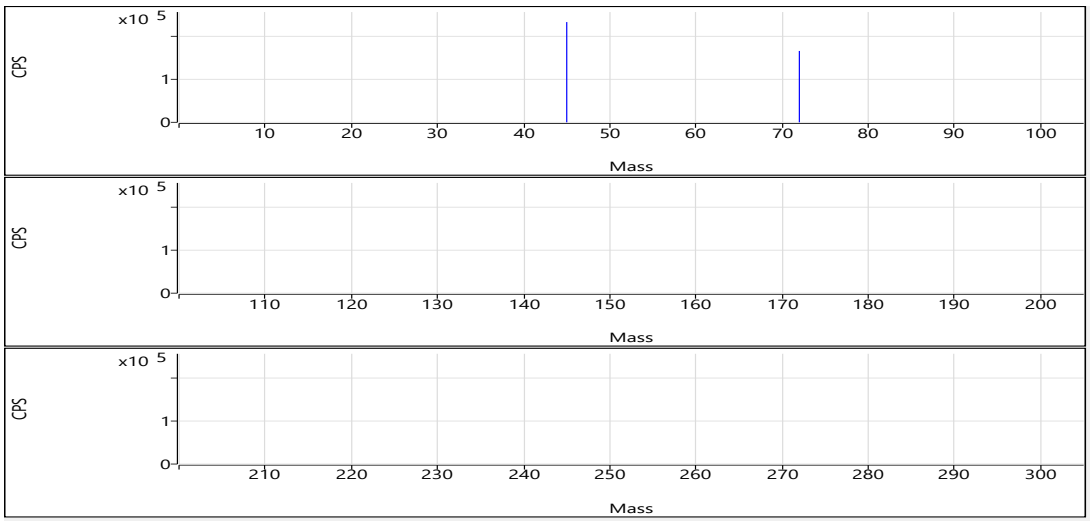
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.000	ppb	N/A	6.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.000	ppb	N/A	5.33	0.0000	Pulse	1.5000	3
Na	23	72	He	0.000	ppb	N/A	5627.91	0.1503	Pulse	0.1000	3
Mg	24	72	He	0.000	ppb	N/A	350.02	0.0093	Pulse	0.1000	3
Al	27	72	He	0.000	ppb	N/A	46.67	0.0012	Pulse	0.1000	3
K	39	72	He	0.000	ppb	N/A	5881.38	0.1570	Pulse	0.1000	3
Ca	44	72	He	0.000	ppb	N/A	70.00	0.0019	Pulse	0.1000	3
Ti	47	45	He	0.000	ppb	N/A	13.33	0.0007	Pulse	0.1000	3
V	51	72	He	0.000	ppb	N/A	629.35	0.0168	Pulse	0.5000	3
Cr	52	72	He	0.000	ppb	N/A	1523.47	0.0407	Pulse	0.1000	3
Mn	55	72	He	0.000	ppb	N/A	76.67	0.0020	Pulse	0.1000	3
Fe	57	72	He	0.000	ppb	N/A	100.00	0.0027	Pulse	0.1000	3
Co	59	72	He	0.000	ppb	N/A	110.00	0.0029	Pulse	0.1000	3
Ni	60	159	He	0.000	ppb	N/A	423.36	0.0022	Pulse	0.1000	3
Cu	63	72	He	0.000	ppb	N/A	213.34	0.0057	Pulse	0.1000	3
Zn	66	72	He	0.000	ppb	N/A	100.00	0.0027	Pulse	0.1000	3
As	75	115	He	0.000	ppb	N/A	31.33	0.0008	Pulse	0.5000	3
Sr	88	115	He	0.000	ppb	N/A	46.67	0.0012	Pulse	0.1000	3
Mo	98	159	He	0.000	ppb	N/A	33.33	0.0002	Pulse	0.1000	3
Ag	107	115	He	0.000	ppb	N/A	16.67	0.0004	Pulse	0.1000	3
Cd	111	115	He	0.000	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	0.000	ppb	N/A	2953.77	0.0151	Pulse	0.1000	3
Sb	121	209	He	0.000	ppb	N/A	13.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	0.000	ppb	N/A	43.33	0.0002	Pulse	0.1000	3
Tl	205	209	He	0.000	ppb	N/A	80.00	0.0004	Pulse	0.1000	3
Pb	208	209	He	0.000	ppb	N/A	303.34	0.0017	Pulse	0.1000	3
U	238	209	He	0.000	ppb	N/A	36.67	0.0002	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	231620.05	1.6	100.0	Pulse	0.1000	3
No Gas	Ge	72	164875.90	0.6	100.0	Pulse	0.1000	3
H2	Sc	45	341480.45	1.0	100.0	Pulse	0.1000	3
H2	Ge	72	245520.37	0.5	100.0	Pulse	0.1000	3
H2	In	115	390050.92	1.0	100.0	Pulse	0.1000	3
He	Sc	45	19757.10	2.2	100.0	Pulse	0.1000	3
He	Ge	72	37459.29	0.6	100.0	Pulse	0.1000	3
He	In	115	38173.17	0.8	100.0	Pulse	0.1000	3
He	Tb	159	195684.82	1.3	100.0	Pulse	0.1000	3
He	Bi	209	179450.76	1.1	100.0	Pulse	0.1000	3

No Gas



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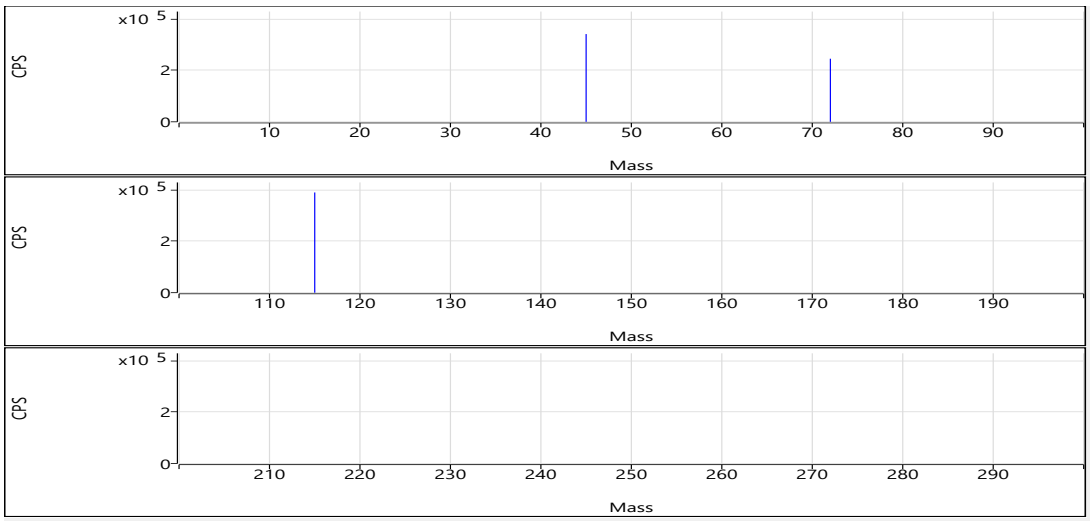
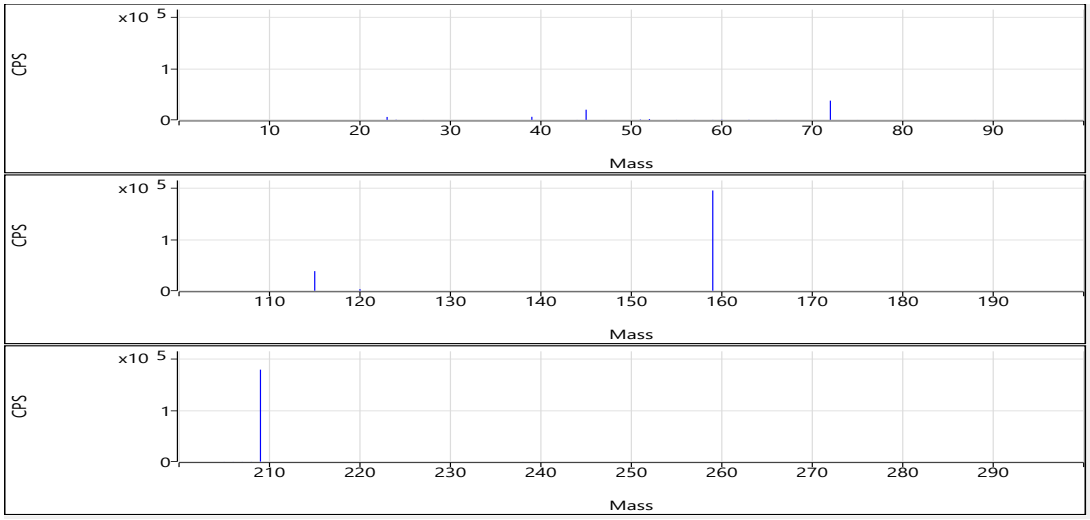


Quantitation Report

He



Quantitation Report

Data File Name	029CALS.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 17:22:00
Sample Name	STD1 7715032
Sample Type	CalStd
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

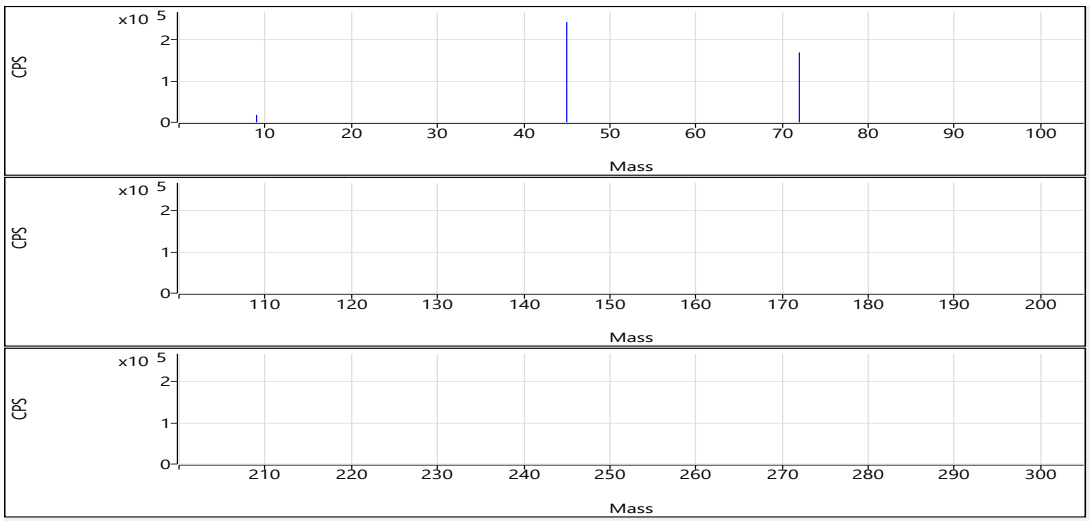
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	100.000	ppb	0.5	18070.89	0.0741	Pulse	0.5000	3
Se	78	72	H2	100.000	ppb	2.7	10019.70	0.0409	Pulse	1.5000	3
Na	23	72	He	10000.000	ppb	2.2	975225.17	26.2625	Pulse	0.1000	3
Mg	24	72	He	10000.000	ppb	2.6	500128.63	13.4688	Pulse	0.1000	3
Al	27	72	He	10000.000	ppb	1.6	149670.75	4.0303	Pulse	0.1000	3
K	39	72	He	10000.000	ppb	2.0	285794.96	7.6961	Pulse	0.1000	3
Ca	44	72	He	10000.000	ppb	5.9	16312.95	0.4395	Pulse	0.1000	3
Ti	47	45	He	10000.000	ppb	1.7	121994.50	6.1919	Pulse	0.1000	3
V	51	72	He	1000.000	ppb	2.2	539368.48	14.5250	Pulse	0.5000	3
Cr	52	72	He	1000.000	ppb	1.5	714414.21	19.2371	Pulse	0.1000	3
Mn	55	72	He	1000.000	ppb	2.0	315778.20	8.5036	Pulse	0.1000	3
Fe	57	72	He	10000.000	ppb	2.6	146487.87	3.9450	Pulse	0.1000	3
Co	59	72	He	1000.000	ppb	2.4	1371368.63	36.9313	Pulse	0.1000	3
Ni	60	159	He	1000.000	ppb	1.1	379643.17	1.9335	Pulse	0.1000	3
Cu	63	72	He	1000.000	ppb	2.6	1088218.06	29.3070	Pulse	0.1000	3
Zn	66	72	He	1000.000	ppb	2.1	129434.81	3.4855	Pulse	0.1000	3
As	75	115	He	1000.000	ppb	2.1	79928.37	2.1667	Pulse	0.5000	3
Sr	88	115	He	100.000	ppb	0.9	37433.32	1.0144	Pulse	0.1000	3
Mo	98	159	He	100.000	ppb	2.0	99222.83	0.5054	Pulse	0.1000	3
Ag	107	115	He	100.000	ppb	2.6	216465.78	5.8683	Pulse	0.1000	3
Cd	111	115	He	100.000	ppb	2.5	25079.65	0.6799	Pulse	0.5000	3
Sn	120	159	He	100.000	ppb	1.3	79264.71	0.4037	Pulse	0.1000	3
Sb	121	209	He	100.000	ppb	2.2	67547.84	0.3734	Pulse	0.1000	3
Ba	137	159	He	1000.000	ppb	0.8	227143.34	1.1568	Pulse	0.1000	3
Tl	205	209	He	100.000	ppb	0.1	697591.42	3.8561	Pulse	0.1000	3
Pb	208	209	He	100.000	ppb	0.5	922146.64	5.0974	Pulse	0.1000	3
U	238	209	He	100.000	ppb	0.3	1121604.83	6.2000	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	243851.62	0.2	105.3	Pulse	0.1000	3
No Gas	Ge	72	170085.23	0.7	103.2	Pulse	0.1000	3
H2	Sc	45	338854.07	0.2	99.2	Pulse	0.1000	3
H2	Ge	72	245084.96	1.4	99.8	Pulse	0.1000	3
H2	In	115	385288.87	0.7	98.8	Pulse	0.1000	3
He	Sc	45	19707.09	2.3	99.7	Pulse	0.1000	3
He	Ge	72	37145.19	2.1	99.2	Pulse	0.1000	3
He	In	115	36899.37	2.0	96.7	Pulse	0.1000	3
He	Tb	159	196356.04	0.5	100.3	Pulse	0.1000	3
He	Bi	209	180906.06	0.3	100.8	Pulse	0.1000	3

No Gas



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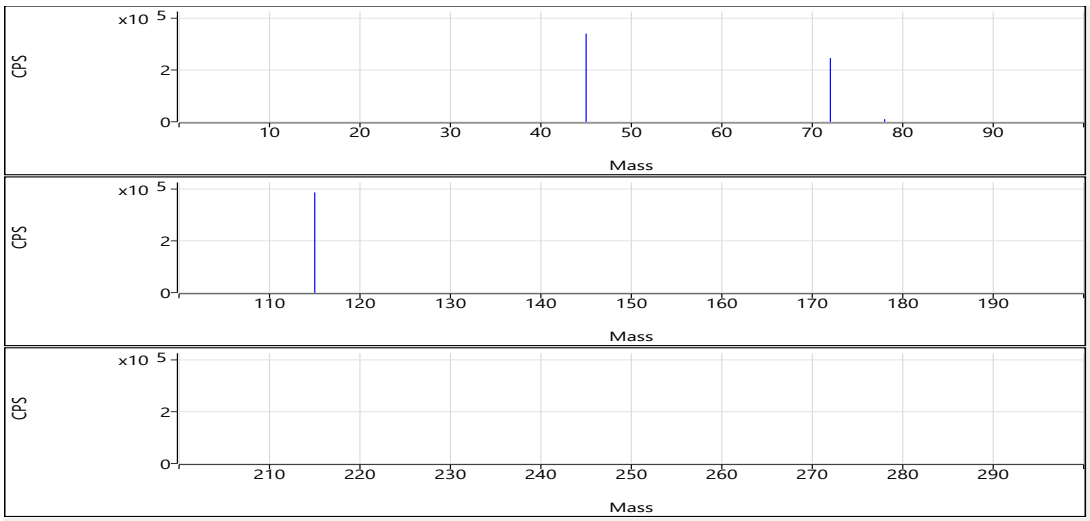
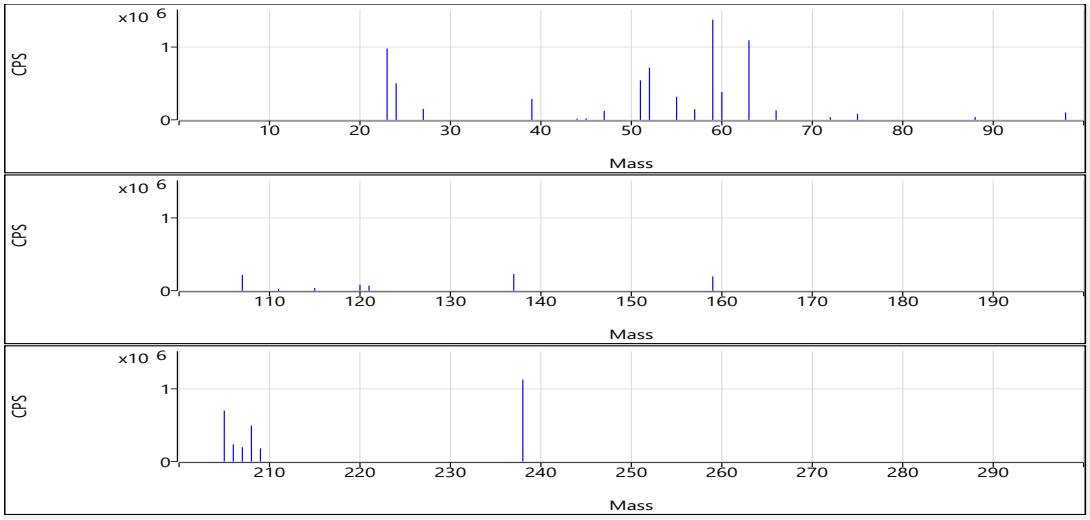


Quantitation Report

He



Quantitation Report

Data File Name	030_ICV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 17:24:21
Sample Name	ICV 7750223
Sample Type	ICV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

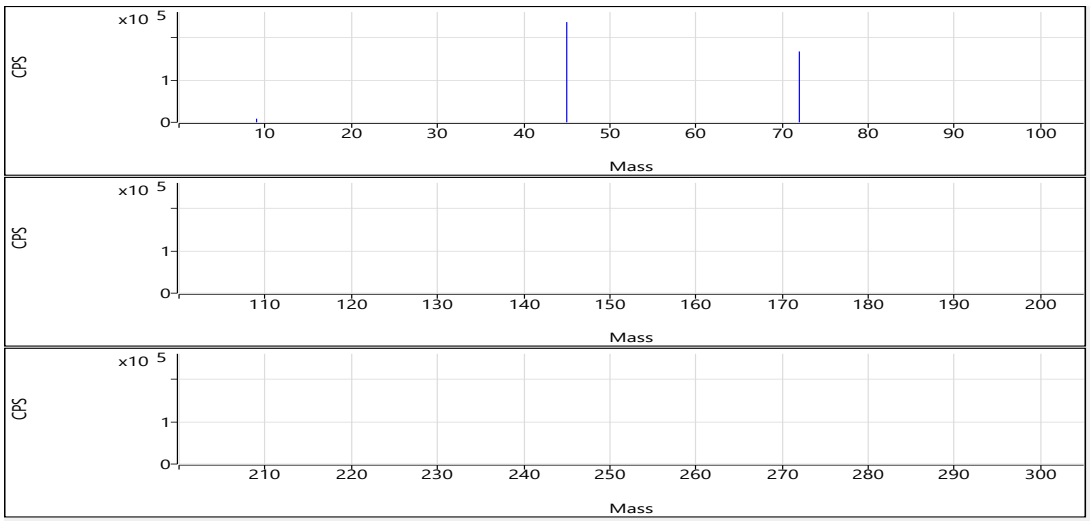
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.574	ppb	3.0	8507.13	0.0360	Pulse	0.5000	3
Se	78	72	H2	50.292	ppb	2.6	5016.88	0.0206	Pulse	1.5000	3
Na	23	72	He	4915.392	ppb	2.0	477549.39	12.9855	Pulse	0.1000	3
Mg	24	72	He	4833.049	ppb	2.0	239570.32	6.5143	Pulse	0.1000	3
Al	27	72	He	4820.392	ppb	3.5	71458.89	1.9434	Pulse	0.1000	3
K	39	72	He	4941.443	ppb	2.6	142769.95	3.8824	Pulse	0.1000	3
Ca	44	72	He	5089.441	ppb	2.4	8262.63	0.2246	Pulse	0.1000	3
Ti	47	45	He	4776.135	ppb	2.4	60033.37	2.9577	Pulse	0.1000	3
V	51	72	He	493.436	ppb	2.2	263883.48	7.1757	Pulse	0.5000	3
Cr	52	72	He	490.576	ppb	2.0	347822.78	9.4580	Pulse	0.1000	3
Mn	55	72	He	483.862	ppb	2.3	151349.07	4.1156	Pulse	0.1000	3
Fe	57	72	He	4667.326	ppb	2.3	67765.12	1.8427	Pulse	0.1000	3
Co	59	72	He	491.807	ppb	1.7	668033.66	18.1646	Pulse	0.1000	3
Ni	60	159	He	493.198	ppb	1.0	186656.14	0.9547	Pulse	0.1000	3
Cu	63	72	He	492.995	ppb	2.0	531445.71	14.4511	Pulse	0.1000	3
Zn	66	72	He	501.116	ppb	3.1	64276.62	1.7480	Pulse	0.1000	3
As	75	115	He	470.202	ppb	0.7	38120.82	1.0192	Pulse	0.5000	3
Sr	88	115	He	48.735	ppb	1.9	18515.94	0.4950	Pulse	0.1000	3
Mo	98	159	He	49.241	ppb	1.4	48667.65	0.2489	Pulse	0.1000	3
Ag	107	115	He	49.242	ppb	0.6	108089.61	2.8899	Pulse	0.1000	3
Cd	111	115	He	51.985	ppb	0.7	13220.27	0.3535	Pulse	0.5000	3
Sn	120	159	He	49.886	ppb	2.7	40853.94	0.2090	Pulse	0.1000	3
Sb	121	209	He	53.324	ppb	2.0	35656.29	0.1991	Pulse	0.1000	3
Ba	137	159	He	489.168	ppb	1.1	110661.58	0.5660	Pulse	0.1000	3
Tl	205	209	He	49.225	ppb	1.0	339917.14	1.8984	Pulse	0.1000	3
Pb	208	209	He	49.225	ppb	1.5	449419.27	2.5100	Pulse	0.1000	3
U	238	209	He	50.597	ppb	1.3	561708.23	3.1371	Pulse	0.1000	3

ISTD Table:

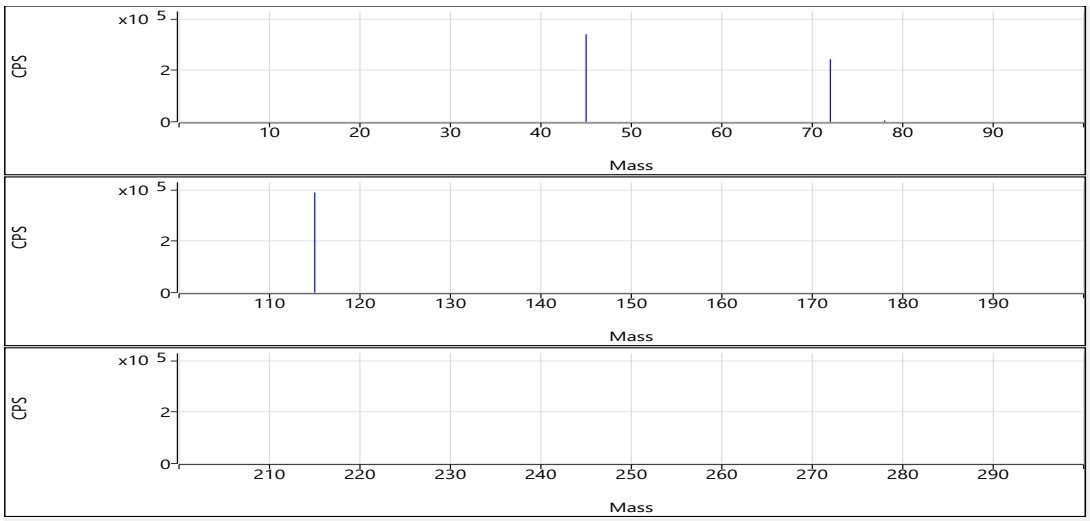
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	236310.38	1.4	102.0	Pulse	0.1000	3
No Gas	Ge	72	167037.53	0.7	101.3	Pulse	0.1000	3
H2	Sc	45	341765.07	0.2	100.1	Pulse	0.1000	3
H2	Ge	72	243841.36	1.1	99.3	Pulse	0.1000	3
H2	In	115	390996.26	0.3	100.2	Pulse	0.1000	3
He	Sc	45	20301.37	1.7	102.8	Pulse	0.1000	3
He	Ge	72	36784.24	1.8	98.2	Pulse	0.1000	3
He	In	115	37402.82	0.4	98.0	Pulse	0.1000	3
He	Tb	159	195515.71	0.3	99.9	Pulse	0.1000	3
He	Bi	209	179065.88	1.0	99.8	Pulse	0.1000	3

No Gas

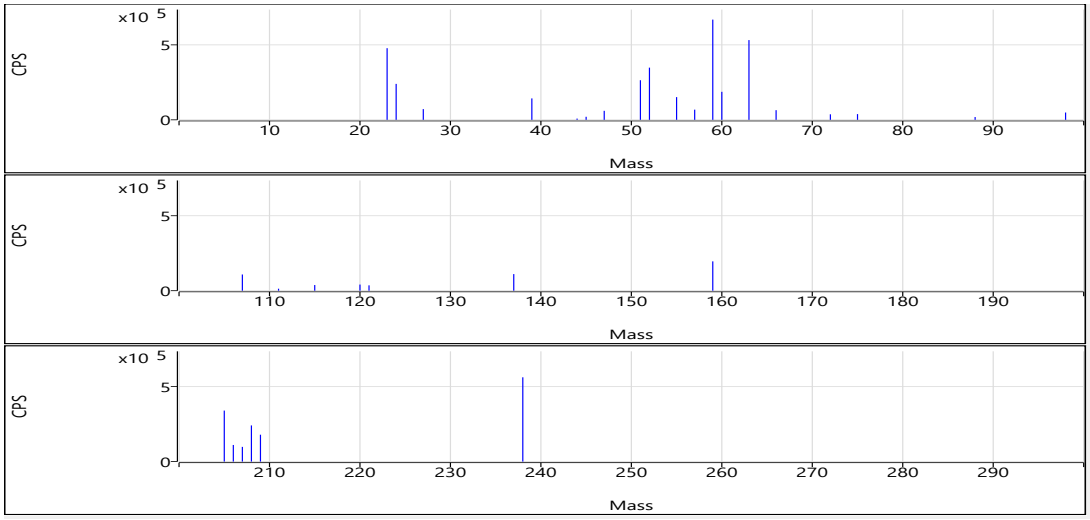


H2



Quantitation Report

He



Quantitation Report

Data File Name	032_ICB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 17:30:22
Sample Name	ICB 7792565
Sample Type	ICB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

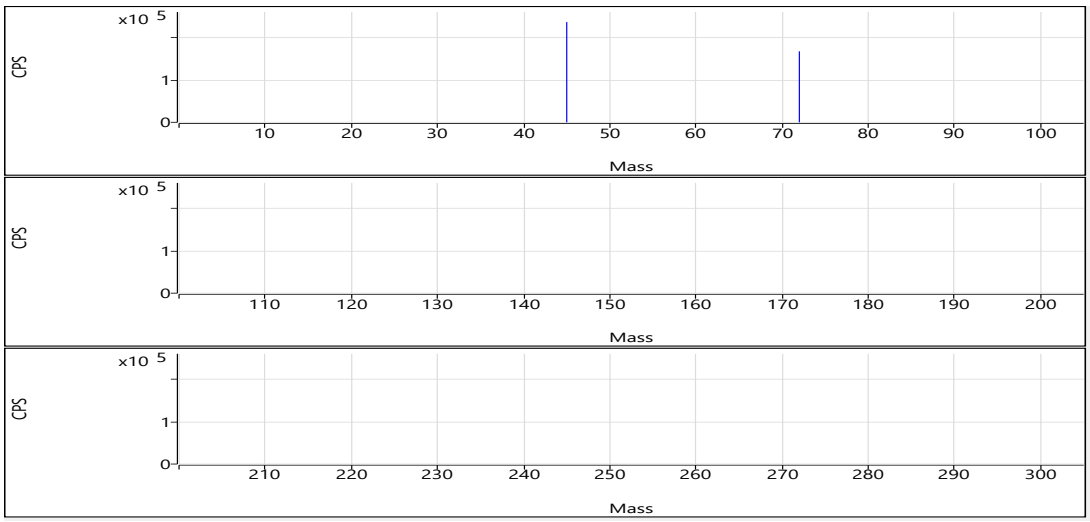
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.048	ppb	34.3	14.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.043	ppb	101.4	9.55	0.0000	Pulse	1.5000	3
Na	23	72	He	-0.605	ppb	N/A	5564.58	0.1487	Pulse	0.1000	3
Mg	24	72	He	0.019	ppb	5631.1	350.02	0.0094	Pulse	0.1000	3
Al	27	72	He	2.198	ppb	102.9	80.00	0.0021	Pulse	0.1000	3
K	39	72	He	9.644	ppb	60.4	6148.18	0.1643	Pulse	0.1000	3
Ca	44	72	He	18.304	ppb	174.2	100.00	0.0027	Pulse	0.1000	3
Ti	47	45	He	1.040	ppb	97.4	26.67	0.0013	Pulse	0.1000	3
V	51	72	He	0.117	ppb	50.6	692.02	0.0185	Pulse	0.5000	3
Cr	52	72	He	0.152	ppb	112.7	1630.15	0.0436	Pulse	0.1000	3
Mn	55	72	He	0.252	ppb	29.8	156.68	0.0042	Pulse	0.1000	3
Fe	57	72	He	1.604	ppb	112.4	123.34	0.0033	Pulse	0.1000	3
Co	59	72	He	0.193	ppb	32.3	376.68	0.0101	Pulse	0.1000	3
Ni	60	159	He	0.004	ppb	1643.5	426.69	0.0022	Pulse	0.1000	3
Cu	63	72	He	0.135	ppb	50.1	360.02	0.0096	Pulse	0.1000	3
Zn	66	72	He	0.179	ppb	287.5	123.34	0.0033	Pulse	0.1000	3
As	75	115	He	0.133	ppb	78.0	41.33	0.0011	Pulse	0.5000	3
Sr	88	115	He	0.003	ppb	557.1	46.67	0.0012	Pulse	0.1000	3
Mo	98	159	He	0.023	ppb	50.2	56.67	0.0003	Pulse	0.1000	3
Ag	107	115	He	0.015	ppb	119.3	50.00	0.0013	Pulse	0.1000	3
Cd	111	115	He	0.013	ppb	137.8	4.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.150	ppb	N/A	2853.75	0.0145	Pulse	0.1000	3
Sb	121	209	He	0.074	ppb	64.4	63.33	0.0003	Pulse	0.1000	3
Ba	137	159	He	0.072	ppb	57.9	60.00	0.0003	Pulse	0.1000	3
Tl	205	209	He	0.018	ppb	80.3	210.01	0.0012	Pulse	0.1000	3
Pb	208	209	He	0.012	ppb	111.4	420.01	0.0023	Pulse	0.1000	3
U	238	209	He	0.017	ppb	10.7	230.01	0.0013	Pulse	0.1000	3

ISTD Table:

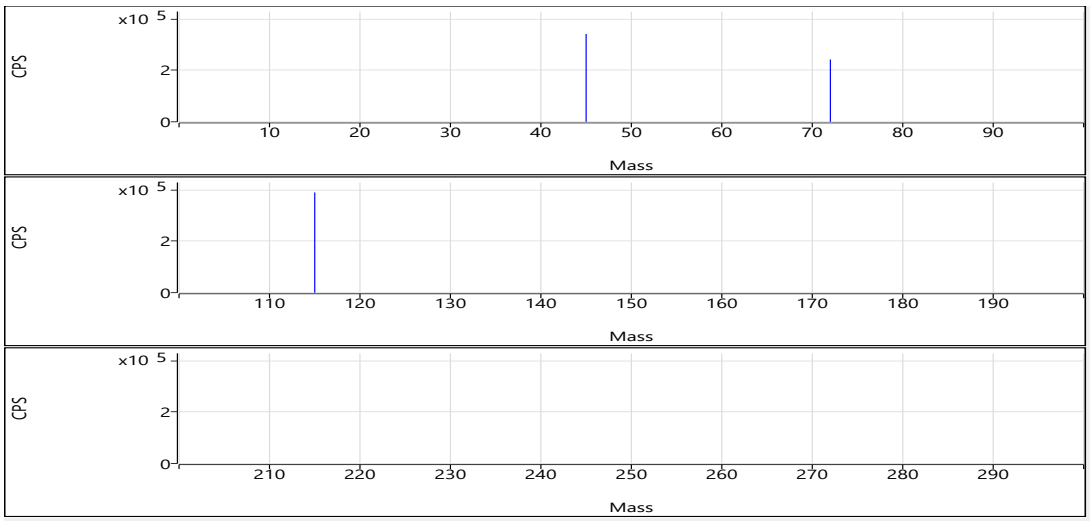
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	236744.85	1.0	102.2	Pulse	0.1000	3
No Gas	Ge	72	167623.86	0.5	101.7	Pulse	0.1000	3
H2	Sc	45	342429.28	0.1	100.3	Pulse	0.1000	3
H2	Ge	72	242961.04	1.1	99.0	Pulse	0.1000	3
H2	In	115	390724.02	0.7	100.2	Pulse	0.1000	3
He	Sc	45	20257.87	3.4	102.5	Pulse	0.1000	3
He	Ge	72	37426.23	1.2	99.9	Pulse	0.1000	3
He	In	115	37328.35	0.9	97.8	Pulse	0.1000	3
He	Tb	159	196463.34	0.8	100.4	Pulse	0.1000	3
He	Bi	209	181135.73	0.6	100.9	Pulse	0.1000	3

No Gas

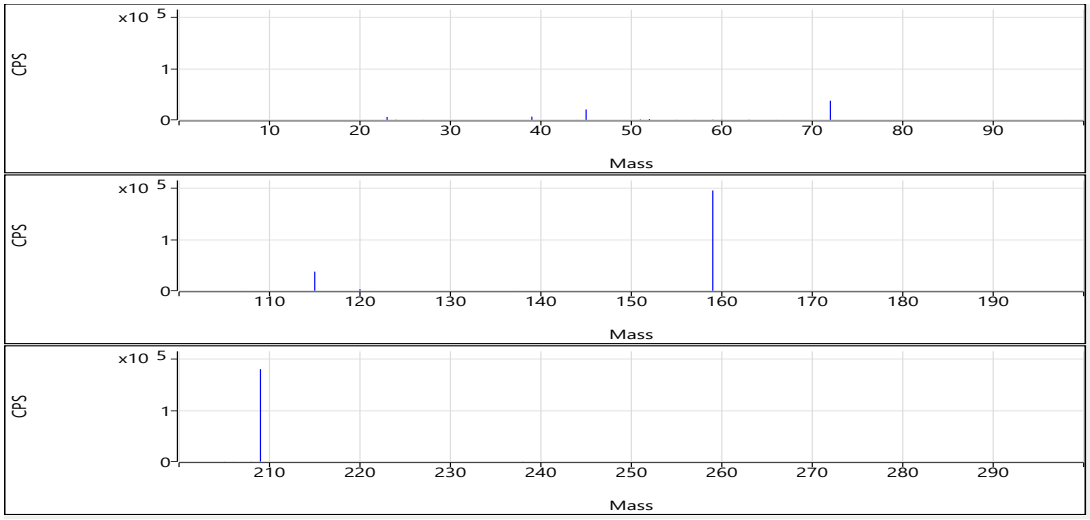


H2



Quantitation Report

He



Quantitation Report

Data File Name	034_LLC.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 17:35:12
Sample Name	CRI 7875061
Sample Type	CRI
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

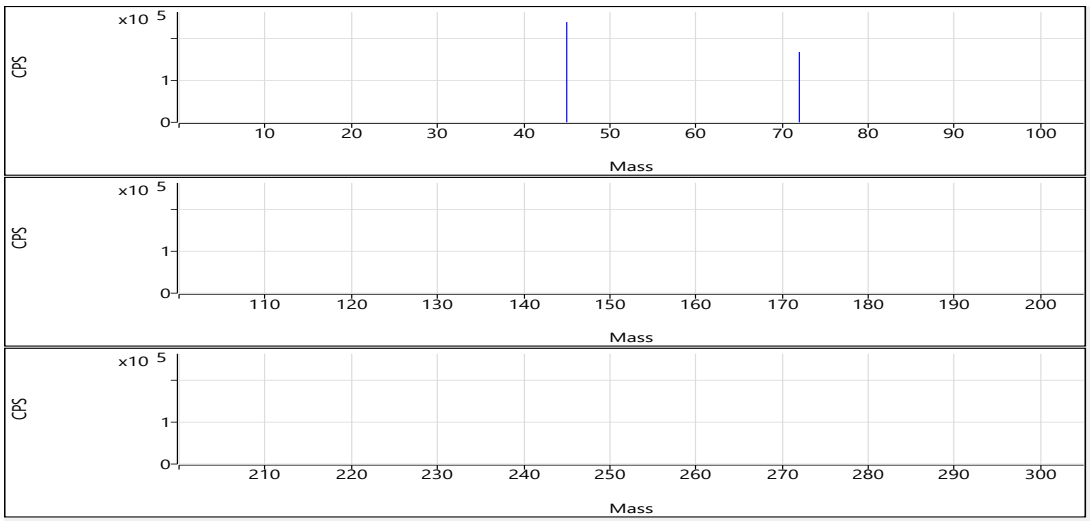
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.513	ppb	10.1	97.33	0.0004	Pulse	0.5000	3
Se	78	72	H2	1.038	ppb	9.4	108.89	0.0004	Pulse	1.5000	3
Na	23	72	He	206.928	ppb	3.9	25646.04	0.6906	Pulse	0.1000	3
Mg	24	72	He	53.535	ppb	9.4	3020.42	0.0814	Pulse	0.1000	3
Al	27	72	He	26.399	ppb	32.3	440.02	0.0119	Pulse	0.1000	3
K	39	72	He	213.065	ppb	5.7	11795.21	0.3176	Pulse	0.1000	3
Ca	44	72	He	94.826	ppb	27.2	223.35	0.0060	Pulse	0.1000	3
Ti	47	45	He	9.676	ppb	33.7	136.67	0.0067	Pulse	0.1000	3
V	51	72	He	2.121	ppb	10.0	1766.12	0.0476	Pulse	0.5000	3
Cr	52	72	He	2.092	ppb	8.8	3003.75	0.0808	Pulse	0.1000	3
Mn	55	72	He	2.367	ppb	4.8	823.39	0.0222	Pulse	0.1000	3
Fe	57	72	He	47.747	ppb	19.9	796.72	0.0215	Pulse	0.1000	3
Co	59	72	He	0.664	ppb	3.5	1020.07	0.0275	Pulse	0.1000	3
Ni	60	159	He	1.189	ppb	14.9	880.07	0.0045	Pulse	0.1000	3
Cu	63	72	He	1.120	ppb	8.4	1430.12	0.0385	Pulse	0.1000	3
Zn	66	72	He	11.679	ppb	9.0	1610.16	0.0433	Pulse	0.1000	3
As	75	115	He	1.796	ppb	14.0	180.67	0.0047	Pulse	0.5000	3
Sr	88	115	He	0.994	ppb	15.3	433.36	0.0113	Pulse	0.1000	3
Mo	98	159	He	0.548	ppb	23.4	580.03	0.0029	Pulse	0.1000	3
Ag	107	115	He	0.501	ppb	13.2	1143.43	0.0298	Pulse	0.1000	3
Cd	111	115	He	0.560	ppb	1.7	147.33	0.0038	Pulse	0.5000	3
Sn	120	159	He	1.945	ppb	2.7	4474.22	0.0227	Pulse	0.1000	3
Sb	121	209	He	0.949	ppb	9.8	663.38	0.0036	Pulse	0.1000	3
Ba	137	159	He	1.869	ppb	16.8	470.02	0.0024	Pulse	0.1000	3
Tl	205	209	He	0.509	ppb	11.1	3680.64	0.0201	Pulse	0.1000	3
Pb	208	209	He	0.513	ppb	3.4	5100.58	0.0278	Pulse	0.1000	3
U	238	209	He	0.983	ppb	1.6	11205.20	0.0611	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	239456.50	2.4	103.4	Pulse	0.1000	3
No Gas	Ge	72	168096.22	1.6	102.0	Pulse	0.1000	3
H2	Sc	45	344342.87	0.2	100.8	Pulse	0.1000	3
H2	Ge	72	243984.87	0.9	99.4	Pulse	0.1000	3
H2	In	115	392176.44	1.0	100.5	Pulse	0.1000	3
He	Sc	45	20351.30	5.1	103.0	Pulse	0.1000	3
He	Ge	72	37151.98	2.2	99.2	Pulse	0.1000	3
He	In	115	38371.90	0.7	100.5	Pulse	0.1000	3
He	Tb	159	197354.06	0.5	100.9	Pulse	0.1000	3
He	Bi	209	183348.36	0.6	102.2	Pulse	0.1000	3

No Gas



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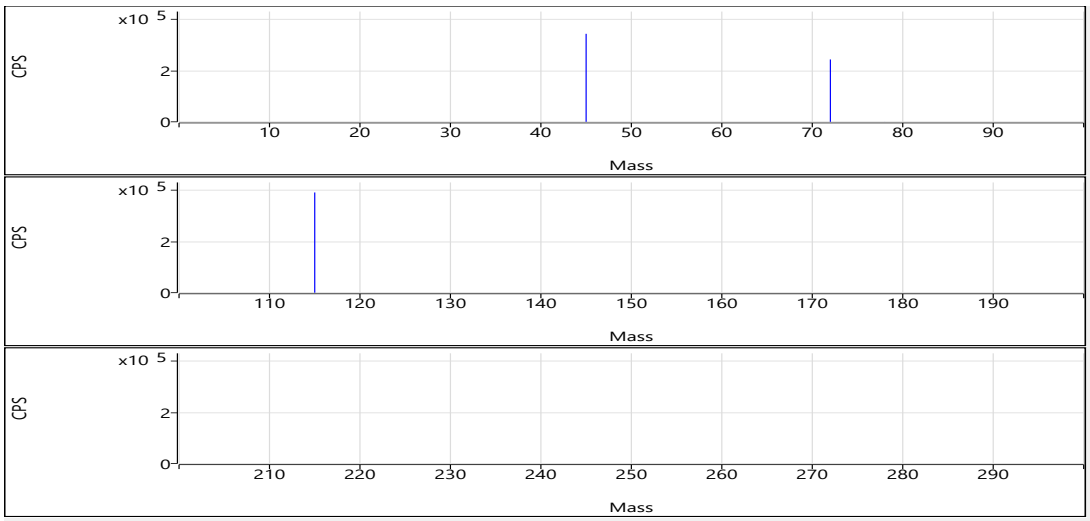
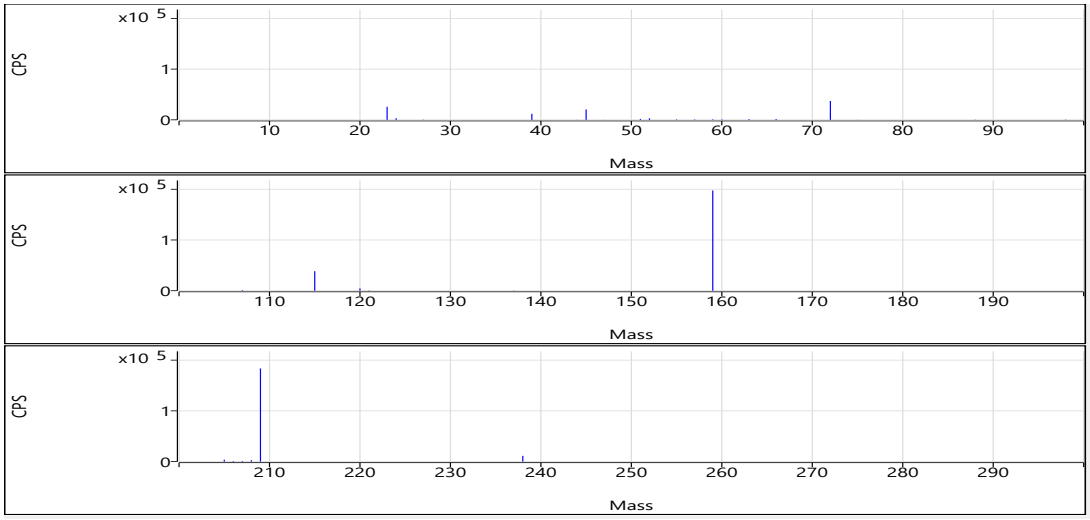


Quantitation Report

He



Quantitation Report

Data File Name	035ICSA.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 17:43:14
Sample Name	ICSA 7852759
Sample Type	ICSA
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

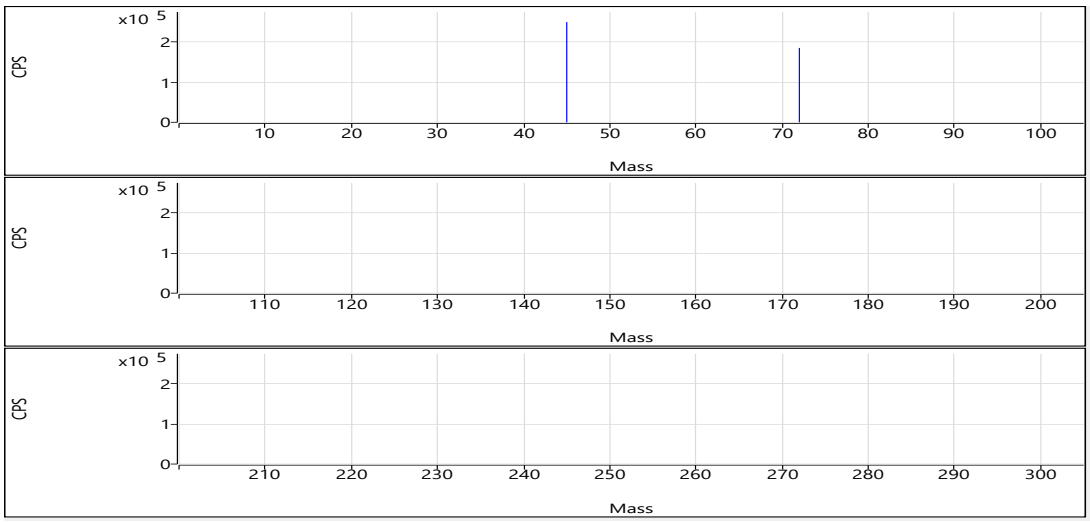
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.015	ppb	105.8	9.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.040	ppb	17.9	9.78	0.0000	Pulse	1.5000	3
Na	23	72	He	225442.318	ppb	1.0	22782262.99	588.8314	Analog	0.1000	3
Mg	24	72	He	89655.531	ppb	1.0	4669219.52	120.6805	Analog	0.1000	3
Al	27	72	He	90985.182	ppb	0.7	1418403.26	36.6595	Pulse	0.1000	3
K	39	72	He	92431.699	ppb	0.6	2702320.79	69.8419	Pulse	0.1000	3
Ca	44	72	He	278470.399	ppb	0.8	471662.27	12.1896	Pulse	0.1000	3
Ti	47	45	He	1962.572	ppb	2.1	24491.12	1.2158	Pulse	0.1000	3
V	51	72	He	-0.134	ppb	N/A	575.35	0.0149	Pulse	0.5000	3
Cr	52	72	He	1.720	ppb	14.1	2850.39	0.0737	Pulse	0.1000	3
Mn	55	72	He	0.682	ppb	13.5	303.35	0.0078	Pulse	0.1000	3
Fe	57	72	He	223194.230	ppb	0.5	3404606.61	87.9932	Pulse	0.1000	3
Co	59	72	He	0.343	ppb	7.2	603.37	0.0156	Pulse	0.1000	3
Ni	60	159	He	0.130	ppb	82.5	473.36	0.0024	Pulse	0.1000	3
Cu	63	72	He	0.115	ppb	29.4	350.02	0.0091	Pulse	0.1000	3
Zn	66	72	He	1.066	ppb	21.8	246.68	0.0064	Pulse	0.1000	3
As	75	115	He	0.309	ppb	67.0	54.67	0.0015	Pulse	0.5000	3
Sr	88	115	He	2.515	ppb	10.8	983.40	0.0267	Pulse	0.1000	3
Mo	98	159	He	1938.828	ppb	0.3	1920916.12	9.7948	Pulse	0.1000	3
Ag	107	115	He	0.068	ppb	25.0	163.34	0.0044	Pulse	0.1000	3
Cd	111	115	He	0.404	ppb	16.9	102.00	0.0028	Pulse	0.5000	3
Sn	120	159	He	-0.301	ppb	N/A	2733.70	0.0139	Pulse	0.1000	3
Sb	121	209	He	0.201	ppb	13.6	140.01	0.0008	Pulse	0.1000	3
Ba	137	159	He	0.191	ppb	27.3	86.67	0.0004	Pulse	0.1000	3
Tl	205	209	He	0.008	ppb	49.6	130.00	0.0008	Pulse	0.1000	3
Pb	208	209	He	0.083	ppb	16.0	1006.72	0.0059	Pulse	0.1000	3
U	238	209	He	0.014	ppb	7.2	180.01	0.0011	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	250440.30	1.3	108.1	Pulse	0.1000	3
No Gas	Ge	72	185832.30	1.8	112.7	Pulse	0.1000	3
H2	Sc	45	345183.21	0.8	101.1	Pulse	0.1000	3
H2	Ge	72	255994.93	0.9	104.3	Pulse	0.1000	3
H2	In	115	371082.39	0.8	95.1	Pulse	0.1000	3
He	Sc	45	20147.89	1.1	102.0	Pulse	0.1000	3
He	Ge	72	38692.83	0.9	103.3	Pulse	0.1000	3
He	In	115	36784.40	3.0	96.4	Pulse	0.1000	3
He	Tb	159	196114.51	0.3	100.2	Pulse	0.1000	3
He	Bi	209	169953.04	0.5	94.7	Pulse	0.1000	3

No Gas



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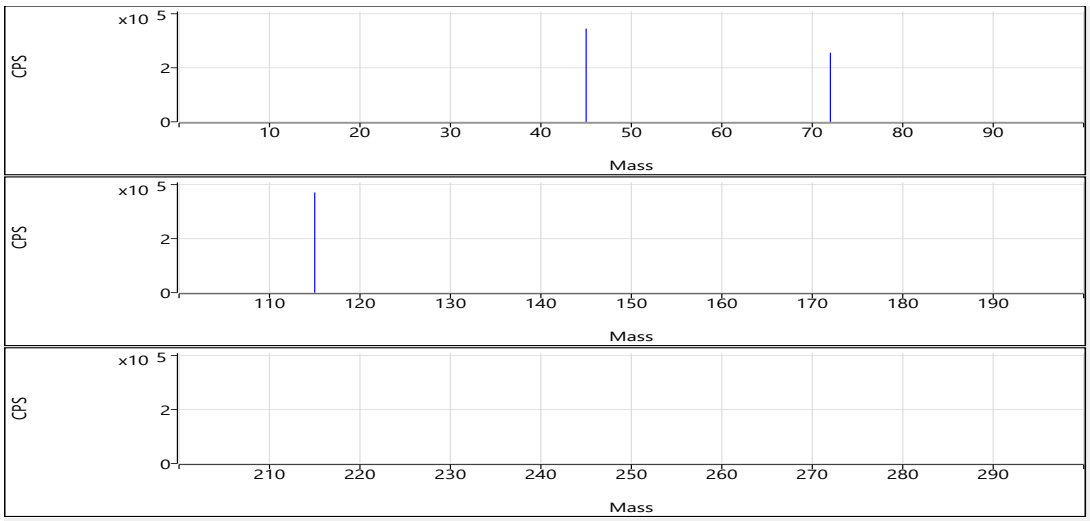
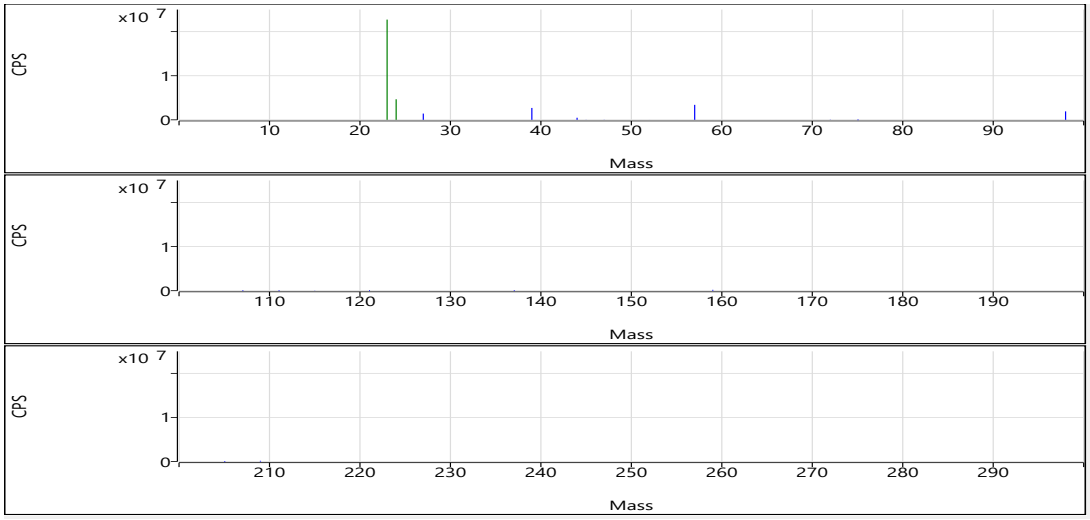


Quantitation Report

He



Quantitation Report

Data File Name	036ICSB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 17:45:23
Sample Name	ICSAB 7875063
Sample Type	ICSAB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

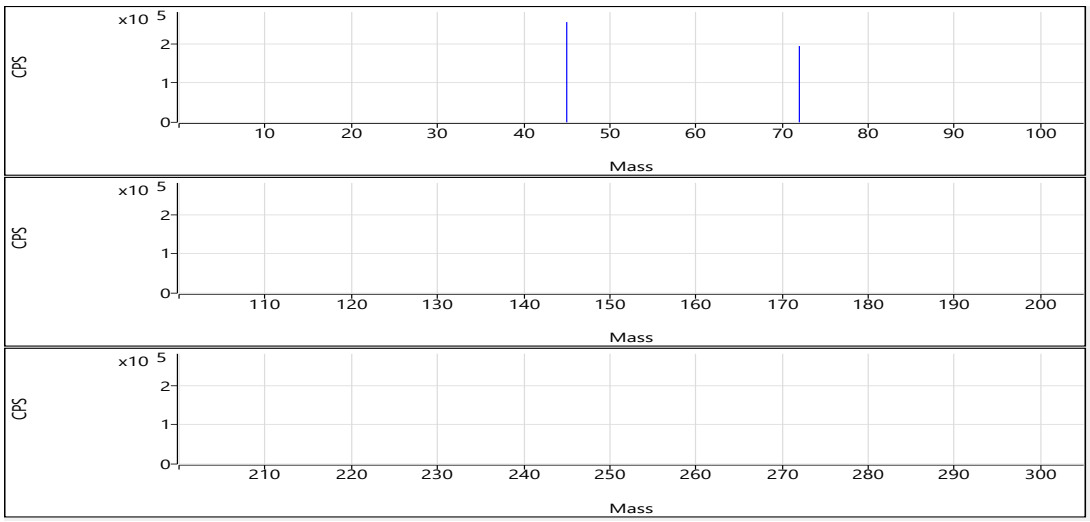
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.063	ppb	83.0	18.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	100.124	ppb	0.9	10697.08	0.0409	Pulse	1.5000	3
Na	23	72	He	232225.723	ppb	0.5	24280093.81	606.5444	Analog	0.1000	3
Mg	24	72	He	92732.908	ppb	0.1	4996617.74	124.8224	Analog	0.1000	3
Al	27	72	He	93223.090	ppb	0.8	1503586.96	37.5612	Pulse	0.1000	3
K	39	72	He	96512.649	ppb	0.3	2918933.50	72.9186	Pulse	0.1000	3
Ca	44	72	He	287049.373	ppb	0.1	502977.04	12.5651	Pulse	0.1000	3
Ti	47	45	He	2081.588	ppb	2.5	26083.93	1.2894	Pulse	0.1000	3
V	51	72	He	198.865	ppb	0.6	116165.74	2.9020	Pulse	0.5000	3
Cr	52	72	He	193.749	ppb	0.8	150512.28	3.7600	Pulse	0.1000	3
Mn	55	72	He	189.971	ppb	0.9	64730.70	1.6171	Pulse	0.1000	3
Fe	57	72	He	229237.181	ppb	0.1	3617723.69	90.3755	Pulse	0.1000	3
Co	59	72	He	193.269	ppb	1.0	285810.34	7.1400	Pulse	0.1000	3
Ni	60	159	He	201.195	ppb	1.2	78395.19	0.3907	Pulse	0.1000	3
Cu	63	72	He	190.741	ppb	0.2	223952.67	5.5946	Pulse	0.1000	3
Zn	66	72	He	106.287	ppb	3.4	14924.75	0.3728	Pulse	0.1000	3
As	75	115	He	103.431	ppb	3.4	8361.14	0.2248	Pulse	0.5000	3
Sr	88	115	He	2.913	ppb	3.2	1143.42	0.0307	Pulse	0.1000	3
Mo	98	159	He	2028.144	ppb	0.6	2055597.26	10.2460	Pulse	0.1000	3
Ag	107	115	He	50.598	ppb	3.4	110424.74	2.9695	Pulse	0.1000	3
Cd	111	115	He	101.883	ppb	3.2	25760.88	0.6927	Pulse	0.5000	3
Sn	120	159	He	1.872	ppb	22.1	4490.89	0.0224	Pulse	0.1000	3
Sb	121	209	He	0.208	ppb	23.4	146.67	0.0009	Pulse	0.1000	3
Ba	137	159	He	0.469	ppb	32.3	153.34	0.0008	Pulse	0.1000	3
Tl	205	209	He	0.025	ppb	64.2	243.35	0.0014	Pulse	0.1000	3
Pb	208	209	He	0.159	ppb	5.6	1686.77	0.0098	Pulse	0.1000	3
U	238	209	He	0.023	ppb	7.6	283.35	0.0016	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	255664.64	1.7	110.4	Pulse	0.1000	3
No Gas	Ge	72	194504.59	1.5	118.0	Pulse	0.1000	3
H2	Sc	45	349369.90	0.2	102.3	Pulse	0.1000	3
H2	Ge	72	261286.19	1.4	106.4	Pulse	0.1000	3
H2	In	115	378645.41	0.8	97.1	Pulse	0.1000	3
He	Sc	45	20234.49	1.8	102.4	Pulse	0.1000	3
He	Ge	72	40029.84	0.3	106.9	Pulse	0.1000	3
He	In	115	37215.43	3.4	97.5	Pulse	0.1000	3
He	Tb	159	200626.07	0.4	102.5	Pulse	0.1000	3
He	Bi	209	172170.50	0.8	95.9	Pulse	0.1000	3

No Gas



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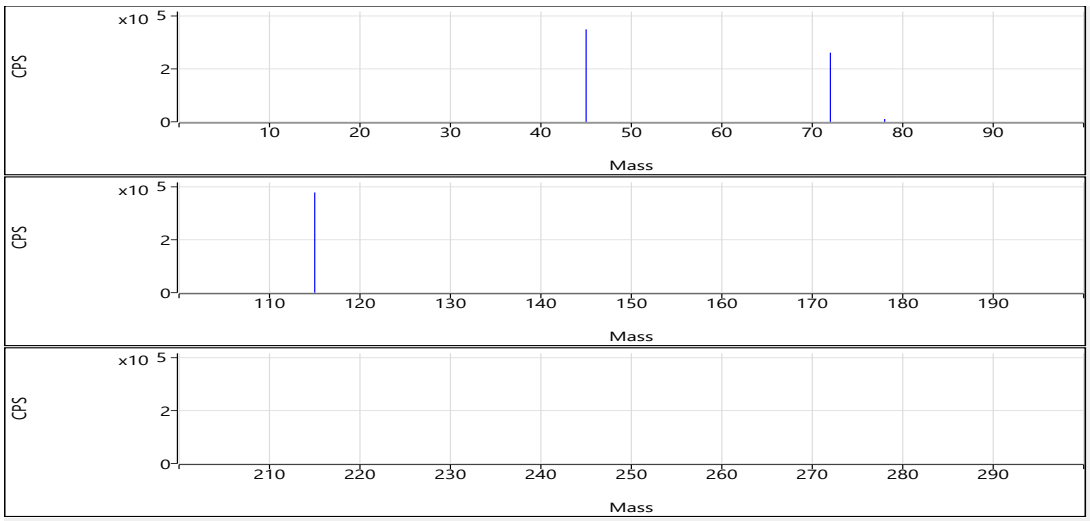
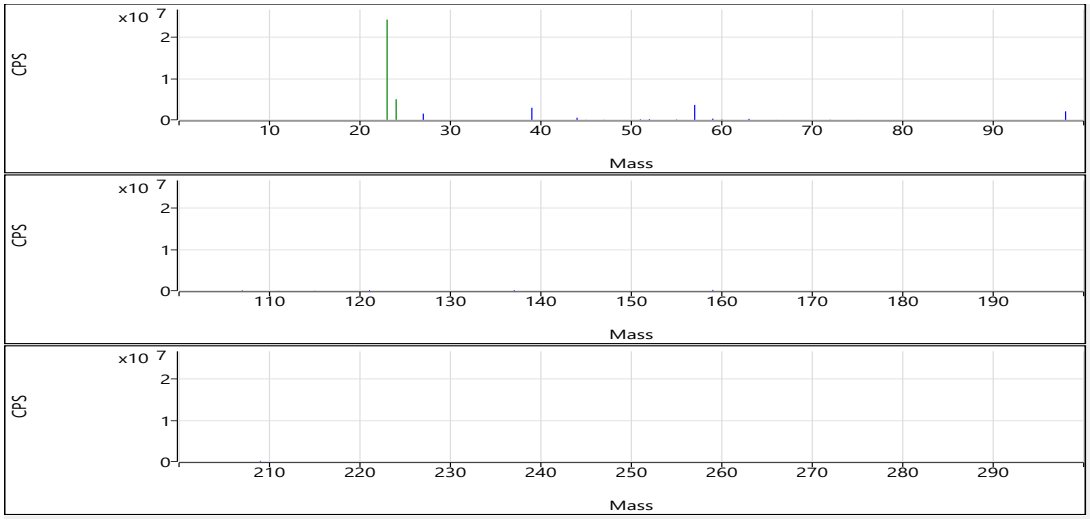


Quantitation Report

He



Quantitation Report

Data File Name	037_LRC.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 17:47:32
Sample Name	LRC 7733564
Sample Type	LRC
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

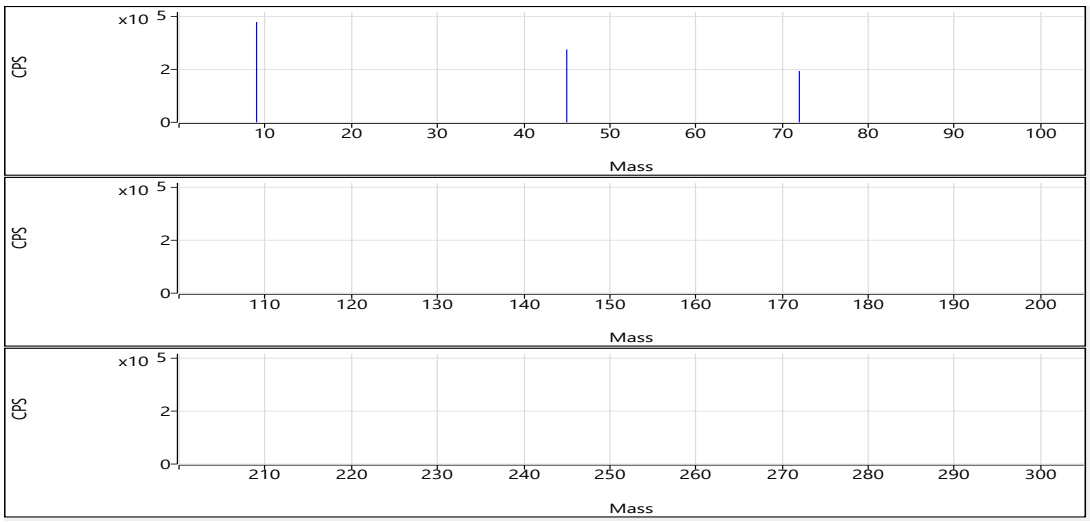
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1857.583	ppb	1.5	378810.62	1.3761	Pulse	0.5000	3
Se	78	72	H2	1950.640	ppb	0.6	204687.43	0.7973	Pulse	1.5000	3
Na	23	72	He	185281.288	ppb	2.1	18746834.72	483.9618	Analog	0.1000	3
Mg	24	72	He	187600.613	ppb	1.3	9781817.14	252.5089	Analog	0.1000	3
Al	27	72	He	192253.855	ppb	1.5	3000777.56	77.4610	Pulse	0.1000	3
K	39	72	He	185041.117	ppb	1.7	5410092.83	139.6609	Analog	0.1000	3
Ca	44	72	He	201406.738	ppb	1.4	341578.43	8.8168	Pulse	0.1000	3
Ti	47	45	He	1906.787	ppb	2.1	26531.32	1.1812	Pulse	0.1000	3
V	51	72	He	1966.620	ppb	1.0	1105978.08	28.5489	Pulse	0.5000	3
Cr	52	72	He	1913.623	ppb	0.9	1424683.78	36.7754	Pulse	0.1000	3
Mn	55	72	He	5718.897	ppb	1.4	1883518.25	48.6213	Pulse	0.1000	3
Fe	57	72	He	149413.718	ppb	1.1	2282030.64	58.9065	Pulse	0.1000	3
Co	59	72	He	1885.153	ppb	1.0	2697016.42	69.6186	Pulse	0.1000	3
Ni	60	159	He	1885.474	ppb	1.3	735650.49	3.6437	Pulse	0.1000	3
Cu	63	72	He	1855.654	ppb	0.7	2106653.67	54.3787	Pulse	0.1000	3
Zn	66	72	He	1924.477	ppb	1.2	259763.88	6.7054	Pulse	0.1000	3
As	75	115	He	1997.073	ppb	2.9	168048.97	4.3262	Pulse	0.5000	3
Sr	88	115	He	2009.971	ppb	2.7	791151.97	20.3667	Pulse	0.1000	3
Mo	98	159	He	2000.335	ppb	1.4	2040234.76	10.1055	Pulse	0.1000	3
Ag	107	115	He	1873.971	ppb	2.2	4271891.08	109.9631	Pulse	0.1000	3
Cd	111	115	He	1903.721	ppb	2.7	502762.30	12.9427	Pulse	0.5000	3
Sn	120	159	He	1973.490	ppb	1.6	1551271.22	7.6838	Pulse	0.1000	3
Sb	121	209	He	2125.053	ppb	1.3	1380408.52	7.9333	Pulse	0.1000	3
Ba	137	159	He	2020.996	ppb	1.5	471962.53	2.3377	Pulse	0.1000	3
Tl	205	209	He	1989.782	ppb	2.4	13347781.88	76.7196	Analog	0.1000	3
Pb	208	209	He	2004.573	ppb	1.3	17774060.36	102.1485	Analog	0.1000	3
U	238	209	He	0.097	ppb	6.2	1080.08	0.0062	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	275242.30	1.2	118.8	Pulse	0.1000	3
No Gas	Ge	72	194008.67	1.4	117.7	Pulse	0.1000	3
H2	Sc	45	360181.57	0.4	105.5	Pulse	0.1000	3
H2	Ge	72	256748.75	1.2	104.6	Pulse	0.1000	3
H2	In	115	482271.05	0.8	123.6	Pulse	0.1000	3
He	Sc	45	22467.83	3.0	113.7	Pulse	0.1000	3
He	Ge	72	38742.78	1.3	103.4	Pulse	0.1000	3
He	In	115	38860.62	2.2	101.8	Pulse	0.1000	3
He	Tb	159	201913.91	1.2	103.2	Pulse	0.1000	3
He	Bi	209	174024.93	1.6	97.0	Pulse	0.1000	3

No Gas



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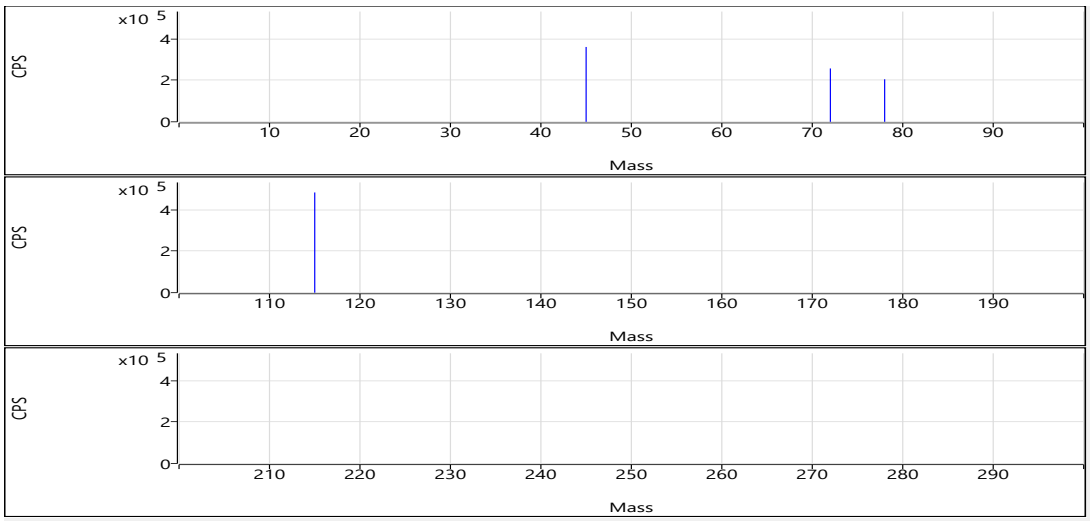
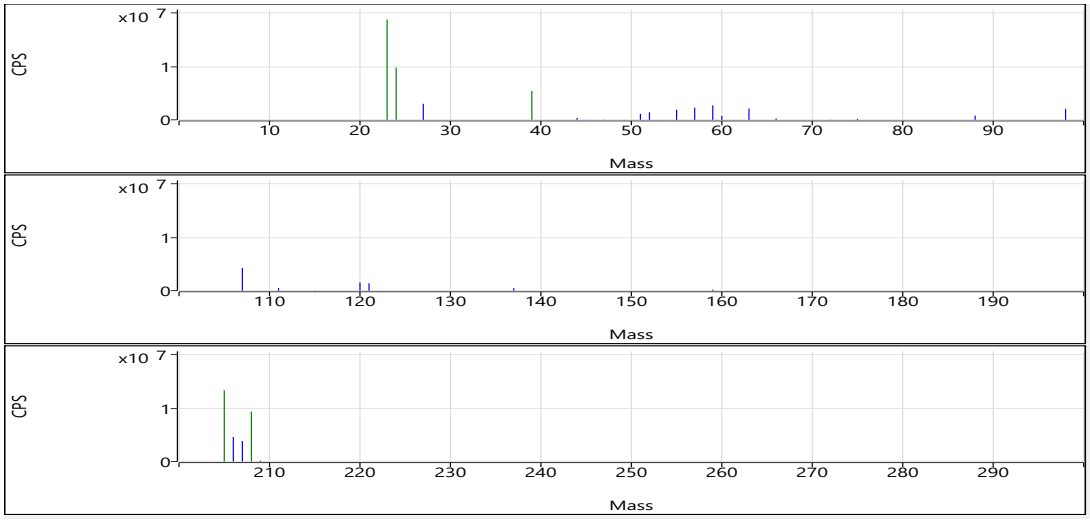


Quantitation Report

He



Quantitation Report

Data File Name	046_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 18:07:35
Sample Name	CCV 7799630
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

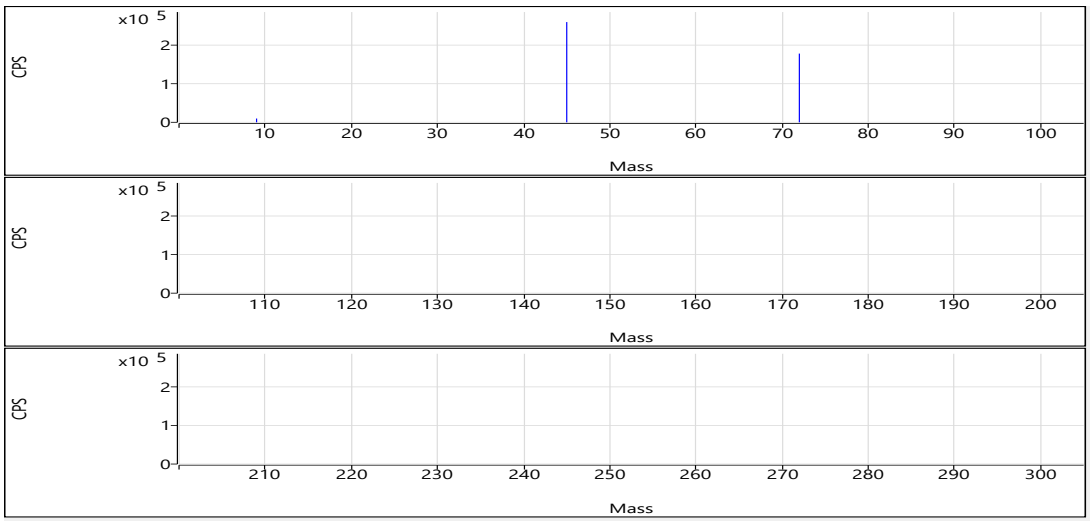
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.610	ppb	0.6	9708.50	0.0375	Pulse	0.5000	3
Se	78	72	H2	51.136	ppb	1.7	5179.16	0.0209	Pulse	1.5000	3
Na	23	72	He	5008.763	ppb	1.2	492964.02	13.2293	Pulse	0.1000	3
Mg	24	72	He	4982.684	ppb	0.8	250254.70	6.7157	Pulse	0.1000	3
Al	27	72	He	4942.874	ppb	1.2	74255.78	1.9927	Pulse	0.1000	3
K	39	72	He	5053.031	ppb	1.1	147808.41	3.9665	Pulse	0.1000	3
Ca	44	72	He	5303.732	ppb	4.9	8722.89	0.2340	Pulse	0.1000	3
Ti	47	45	He	4949.424	ppb	1.4	62862.08	3.0650	Pulse	0.1000	3
V	51	72	He	506.812	ppb	0.8	274624.12	7.3697	Pulse	0.5000	3
Cr	52	72	He	508.065	ppb	1.2	364940.87	9.7937	Pulse	0.1000	3
Mn	55	72	He	495.683	ppb	0.7	157110.09	4.2161	Pulse	0.1000	3
Fe	57	72	He	4842.744	ppb	1.7	71238.31	1.9118	Pulse	0.1000	3
Co	59	72	He	508.812	ppb	1.2	700268.84	18.7925	Pulse	0.1000	3
Ni	60	159	He	500.772	ppb	0.7	193683.39	0.9693	Pulse	0.1000	3
Cu	63	72	He	505.207	ppb	1.1	551825.68	14.8089	Pulse	0.1000	3
Zn	66	72	He	503.660	ppb	1.9	65475.41	1.7569	Pulse	0.1000	3
As	75	115	He	499.563	ppb	3.4	41429.94	1.0828	Pulse	0.5000	3
Sr	88	115	He	48.416	ppb	1.6	18823.01	0.4918	Pulse	0.1000	3
Mo	98	159	He	50.504	ppb	0.6	51012.69	0.2553	Pulse	0.1000	3
Ag	107	115	He	50.852	ppb	2.7	114207.36	2.9844	Pulse	0.1000	3
Cd	111	115	He	49.515	ppb	2.8	12883.94	0.3367	Pulse	0.5000	3
Sn	120	159	He	52.561	ppb	1.5	43829.60	0.2194	Pulse	0.1000	3
Sb	121	209	He	51.578	ppb	2.9	34931.40	0.1926	Pulse	0.1000	3
Ba	137	159	He	496.678	ppb	1.2	114828.27	0.5747	Pulse	0.1000	3
Tl	205	209	He	51.117	ppb	0.1	357509.89	1.9714	Pulse	0.1000	3
Pb	208	209	He	50.612	ppb	0.2	468016.41	2.5807	Pulse	0.1000	3
U	238	209	He	50.154	ppb	0.7	563947.09	3.1097	Pulse	0.1000	3

ISTD Table:

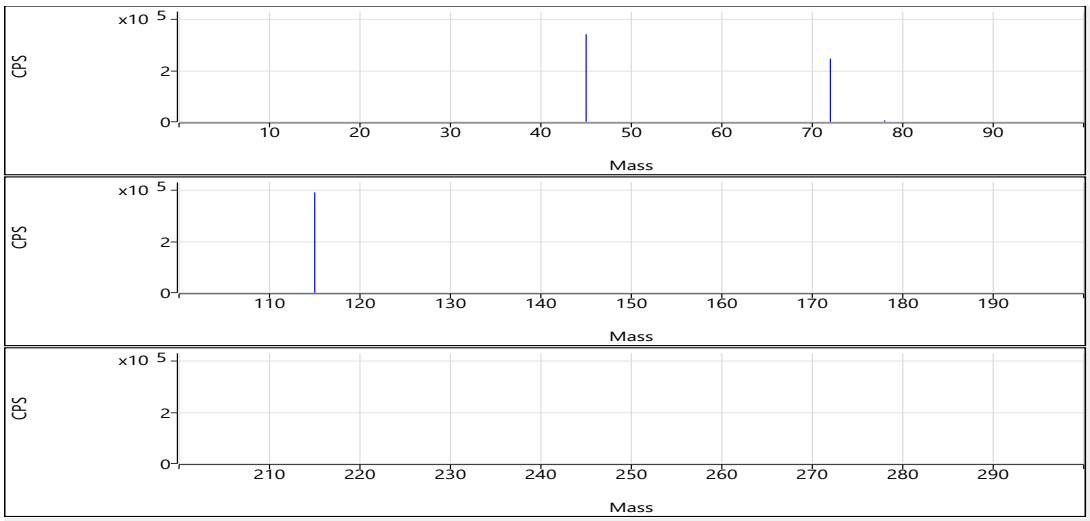
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	258774.34	1.0	111.7	Pulse	0.1000	3
No Gas	Ge	72	177394.80	1.3	107.6	Pulse	0.1000	3
H2	Sc	45	343318.30	0.7	100.5	Pulse	0.1000	3
H2	Ge	72	247572.85	0.7	100.8	Pulse	0.1000	3
H2	In	115	392838.87	0.1	100.7	Pulse	0.1000	3
He	Sc	45	20514.92	2.7	103.8	Pulse	0.1000	3
He	Ge	72	37265.83	1.0	99.5	Pulse	0.1000	3
He	In	115	38285.73	2.8	100.3	Pulse	0.1000	3
He	Tb	159	199809.79	0.3	102.1	Pulse	0.1000	3
He	Bi	209	181351.78	0.2	101.1	Pulse	0.1000	3

No Gas

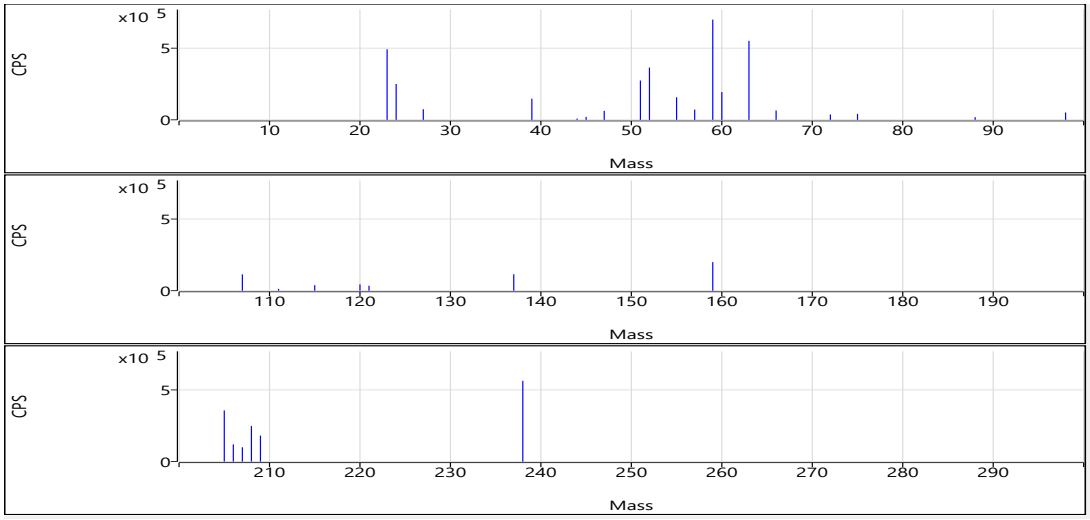


H2



Quantitation Report

He



Quantitation Report

Data File Name	056_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 18:30:32
Sample Name	CCB 7792565
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

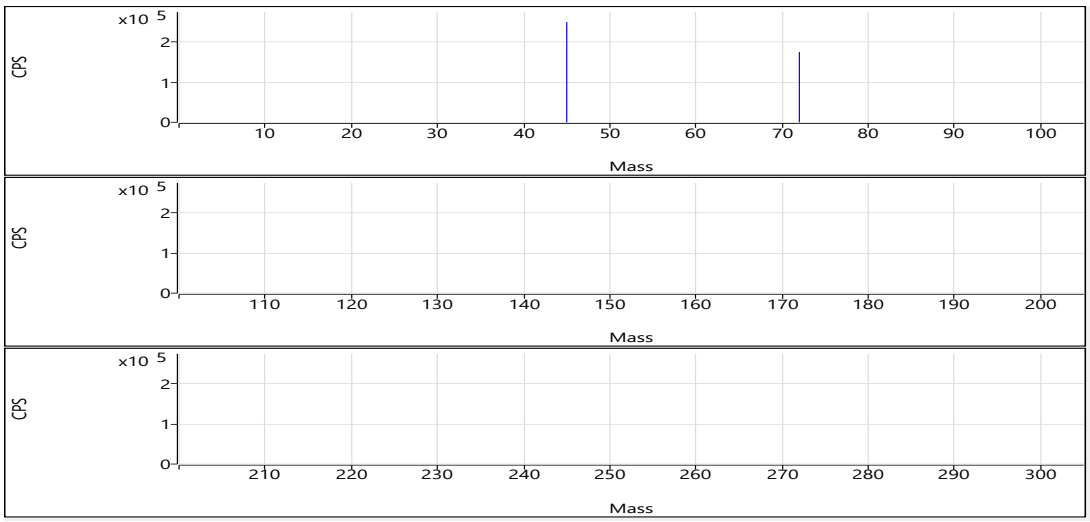
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.123	ppb	48.3	29.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.033	ppb	103.4	8.45	0.0000	Pulse	1.5000	3
Na	23	72	He	10.954	ppb	14.0	6581.66	0.1789	Pulse	0.1000	3
Mg	24	72	He	4.579	ppb	14.8	570.03	0.0155	Pulse	0.1000	3
Al	27	72	He	5.906	ppb	34.2	133.34	0.0036	Pulse	0.1000	3
K	39	72	He	14.458	ppb	10.0	6178.17	0.1679	Pulse	0.1000	3
Ca	44	72	He	11.120	ppb	24.4	86.67	0.0024	Pulse	0.1000	3
Ti	47	45	He	-0.315	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	-0.031	ppb	N/A	602.02	0.0164	Pulse	0.5000	3
Cr	52	72	He	-0.135	ppb	N/A	1400.11	0.0381	Pulse	0.1000	3
Mn	55	72	He	0.100	ppb	148.1	106.67	0.0029	Pulse	0.1000	3
Fe	57	72	He	7.759	ppb	57.7	210.01	0.0057	Pulse	0.1000	3
Co	59	72	He	0.063	ppb	81.8	193.34	0.0053	Pulse	0.1000	3
Ni	60	159	He	0.025	ppb	1286.6	440.02	0.0022	Pulse	0.1000	3
Cu	63	72	He	0.006	ppb	1425.4	216.67	0.0059	Pulse	0.1000	3
Zn	66	72	He	0.336	ppb	213.9	140.01	0.0038	Pulse	0.1000	3
As	75	115	He	-0.019	ppb	N/A	30.00	0.0008	Pulse	0.5000	3
Sr	88	115	He	-0.035	ppb	N/A	33.33	0.0009	Pulse	0.1000	3
Mo	98	159	He	0.096	ppb	47.8	130.01	0.0007	Pulse	0.1000	3
Ag	107	115	He	0.025	ppb	27.2	73.33	0.0019	Pulse	0.1000	3
Cd	111	115	He	0.028	ppb	32.4	8.67	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.324	ppb	N/A	2757.06	0.0139	Pulse	0.1000	3
Sb	121	209	He	0.035	ppb	108.0	36.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	-0.003	ppb	N/A	43.33	0.0002	Pulse	0.1000	3
Tl	205	209	He	0.028	ppb	2.6	273.34	0.0015	Pulse	0.1000	3
Pb	208	209	He	0.028	ppb	43.2	563.36	0.0031	Pulse	0.1000	3
U	238	209	He	0.001	ppb	630.4	43.33	0.0002	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	249218.08	1.1	107.6	Pulse	0.1000	3
No Gas	Ge	72	174699.18	1.5	106.0	Pulse	0.1000	3
H2	Sc	45	344144.01	1.1	100.8	Pulse	0.1000	3
H2	Ge	72	241006.69	0.7	98.2	Pulse	0.1000	3
H2	In	115	388944.07	1.5	99.7	Pulse	0.1000	3
He	Sc	45	20344.72	0.9	103.0	Pulse	0.1000	3
He	Ge	72	36797.95	1.7	98.2	Pulse	0.1000	3
He	In	115	38448.85	0.9	100.7	Pulse	0.1000	3
He	Tb	159	199053.02	0.2	101.7	Pulse	0.1000	3
He	Bi	209	179716.97	0.4	100.1	Pulse	0.1000	3

No Gas



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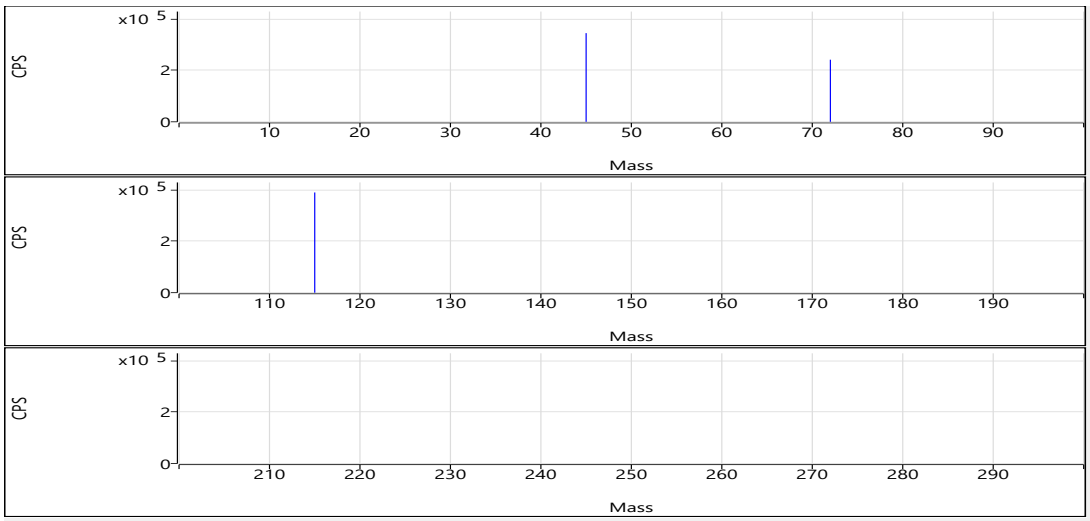
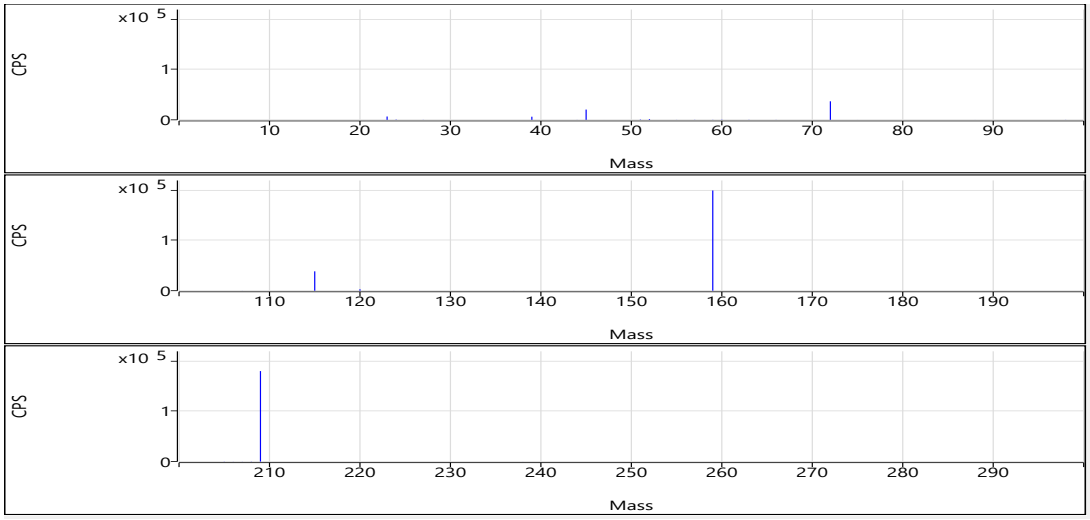


Quantitation Report

He



Quantitation Report

Data File Name	057SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 18:32:43
Sample Name	MB 410-653413/1-A
Sample Type	Sample
Comment	I16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

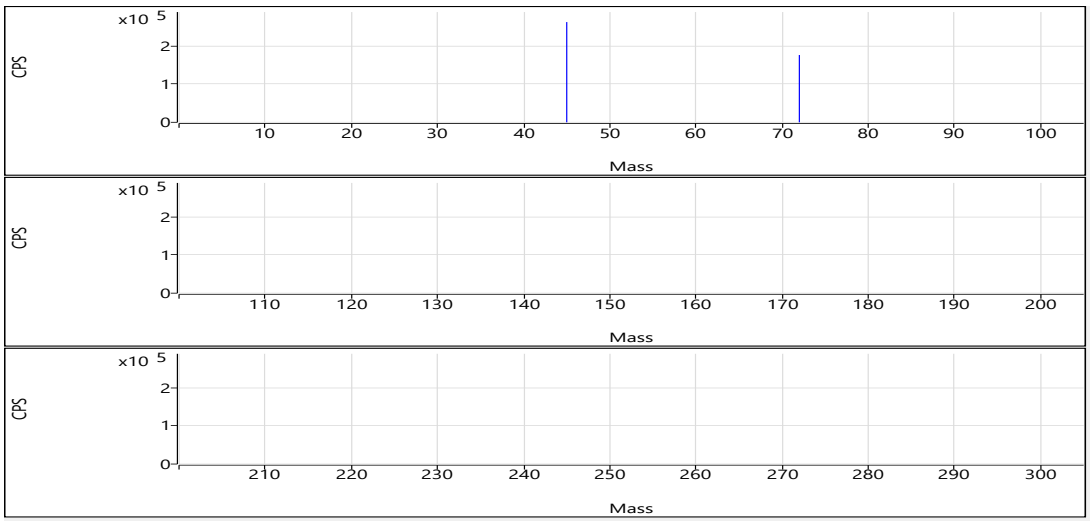
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.078	ppb	44.8	22.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.018	ppb	79.6	7.11	0.0000	Pulse	1.5000	3
Na	23	72	He	5.327	ppb	28.5	6118.11	0.1642	Pulse	0.1000	3
Mg	24	72	He	3.314	ppb	50.6	513.36	0.0138	Pulse	0.1000	3
Al	27	72	He	5.787	ppb	14.9	133.33	0.0036	Pulse	0.1000	3
K	39	72	He	13.999	ppb	67.6	6241.53	0.1675	Pulse	0.1000	3
Ca	44	72	He	-3.853	ppb	N/A	63.33	0.0017	Pulse	0.1000	3
Ti	47	45	He	-0.336	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	-0.221	ppb	N/A	506.68	0.0136	Pulse	0.5000	3
Cr	52	72	He	-0.441	ppb	N/A	1200.09	0.0322	Pulse	0.1000	3
Mn	55	72	He	0.244	ppb	39.2	153.34	0.0041	Pulse	0.1000	3
Fe	57	72	He	6.628	ppb	15.0	196.68	0.0053	Pulse	0.1000	3
Co	59	72	He	-0.016	ppb	N/A	86.67	0.0023	Pulse	0.1000	3
Ni	60	159	He	-0.153	ppb	N/A	386.68	0.0019	Pulse	0.1000	3
Cu	63	72	He	0.050	ppb	63.8	266.68	0.0071	Pulse	0.1000	3
Zn	66	72	He	0.858	ppb	59.2	210.01	0.0057	Pulse	0.1000	3
As	75	115	He	-0.054	ppb	N/A	28.00	0.0007	Pulse	0.5000	3
Sr	88	115	He	-0.046	ppb	N/A	30.00	0.0008	Pulse	0.1000	3
Mo	98	159	He	0.106	ppb	18.2	146.67	0.0007	Pulse	0.1000	3
Ag	107	115	He	0.037	ppb	17.7	103.34	0.0026	Pulse	0.1000	3
Cd	111	115	He	0.017	ppb	75.1	6.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.706	ppb	N/A	2560.33	0.0124	Pulse	0.1000	3
Sb	121	209	He	0.041	ppb	51.5	43.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	-0.039	ppb	N/A	36.67	0.0002	Pulse	0.1000	3
Tl	205	209	He	0.035	ppb	39.6	340.02	0.0018	Pulse	0.1000	3
Pb	208	209	He	0.015	ppb	85.1	463.36	0.0024	Pulse	0.1000	3
U	238	209	He	-0.001	ppb	N/A	26.67	0.0001	Pulse	0.1000	3

ISTD Table:

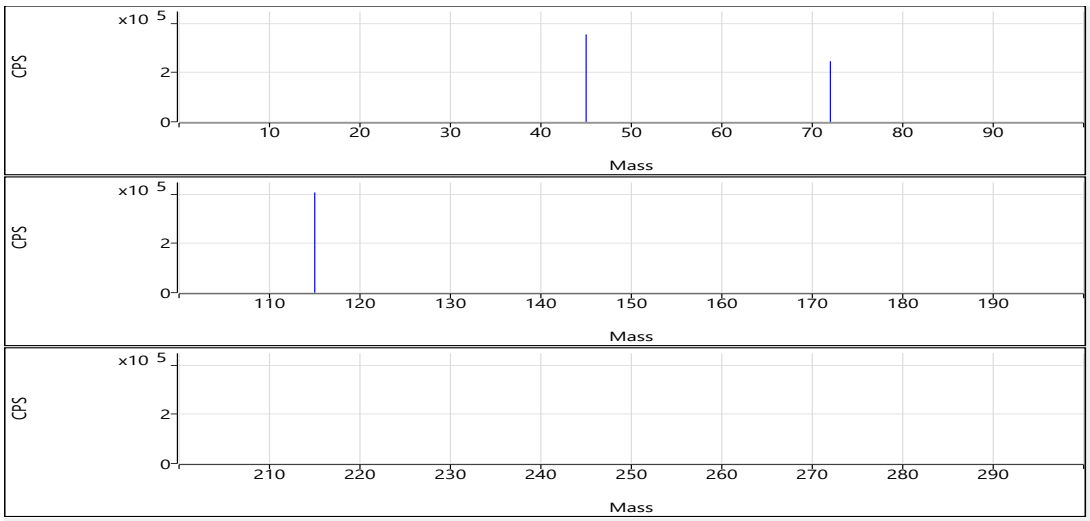
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	261809.48	1.2	113.0	Pulse	0.1000	3
No Gas	Ge	72	175742.82	0.6	106.6	Pulse	0.1000	3
H2	Sc	45	354890.28	0.7	103.9	Pulse	0.1000	3
H2	Ge	72	246106.40	1.0	100.2	Pulse	0.1000	3
H2	In	115	407016.28	1.0	104.3	Pulse	0.1000	3
He	Sc	45	21276.17	3.3	107.7	Pulse	0.1000	3
He	Ge	72	37269.09	1.5	99.5	Pulse	0.1000	3
He	In	115	39787.36	0.3	104.2	Pulse	0.1000	3
He	Tb	159	206997.61	0.4	105.8	Pulse	0.1000	3
He	Bi	209	189800.18	0.8	105.8	Pulse	0.1000	3

No Gas

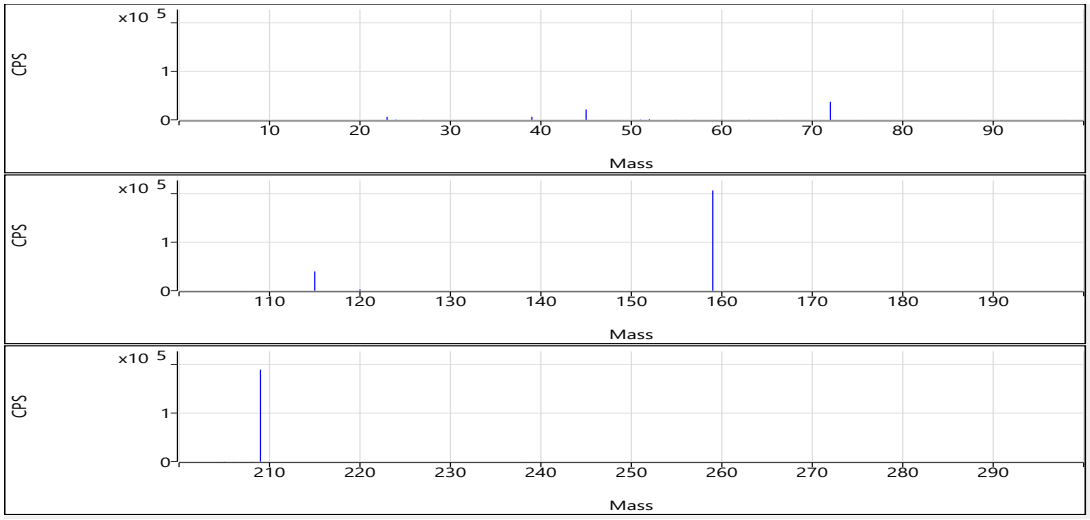


H2



Quantitation Report

He



Quantitation Report

Data File Name	058SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 18:34:55
Sample Name	MB 410-654341/1-A
Sample Type	Sample
Comment	C7
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

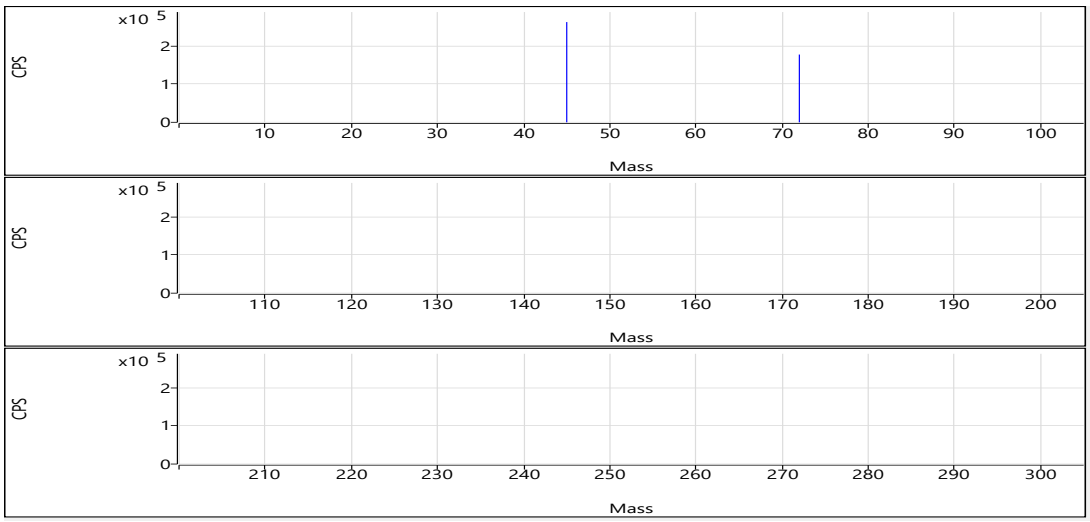
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.081	ppb	91.3	22.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.000	ppb	N/A	5.33	0.0000	Pulse	1.5000	3
Na	23	72	He	3.469	ppb	65.0	5911.38	0.1593	Pulse	0.1000	3
Mg	24	72	He	4.291	ppb	25.0	560.03	0.0151	Pulse	0.1000	3
Al	27	72	He	4.963	ppb	51.4	120.01	0.0032	Pulse	0.1000	3
K	39	72	He	15.699	ppb	7.8	6261.54	0.1688	Pulse	0.1000	3
Ca	44	72	He	-9.914	ppb	N/A	53.33	0.0014	Pulse	0.1000	3
Ti	47	45	He	-0.351	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	-0.275	ppb	N/A	475.34	0.0128	Pulse	0.5000	3
Cr	52	72	He	-0.512	ppb	N/A	1143.42	0.0308	Pulse	0.1000	3
Mn	55	72	He	0.192	ppb	55.6	136.67	0.0037	Pulse	0.1000	3
Fe	57	72	He	7.159	ppb	23.4	203.34	0.0055	Pulse	0.1000	3
Co	59	72	He	0.015	ppb	83.3	130.00	0.0035	Pulse	0.1000	3
Ni	60	159	He	-0.201	ppb	N/A	363.35	0.0018	Pulse	0.1000	3
Cu	63	72	He	0.124	ppb	39.6	346.68	0.0093	Pulse	0.1000	3
Zn	66	72	He	0.241	ppb	24.2	130.01	0.0035	Pulse	0.1000	3
As	75	115	He	-0.121	ppb	N/A	22.00	0.0006	Pulse	0.5000	3
Sr	88	115	He	-0.038	ppb	N/A	33.33	0.0008	Pulse	0.1000	3
Mo	98	159	He	0.082	ppb	40.0	120.00	0.0006	Pulse	0.1000	3
Ag	107	115	He	0.043	ppb	23.1	116.67	0.0030	Pulse	0.1000	3
Cd	111	115	He	0.019	ppb	92.7	6.67	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.891	ppb	N/A	2386.97	0.0116	Pulse	0.1000	3
Sb	121	209	He	0.013	ppb	123.7	23.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	0.104	ppb	71.3	70.00	0.0003	Pulse	0.1000	3
Tl	205	209	He	0.020	ppb	10.6	230.01	0.0012	Pulse	0.1000	3
Pb	208	209	He	0.032	ppb	38.3	620.04	0.0033	Pulse	0.1000	3
U	238	209	He	0.000	ppb	N/A	36.67	0.0002	Pulse	0.1000	3

ISTD Table:

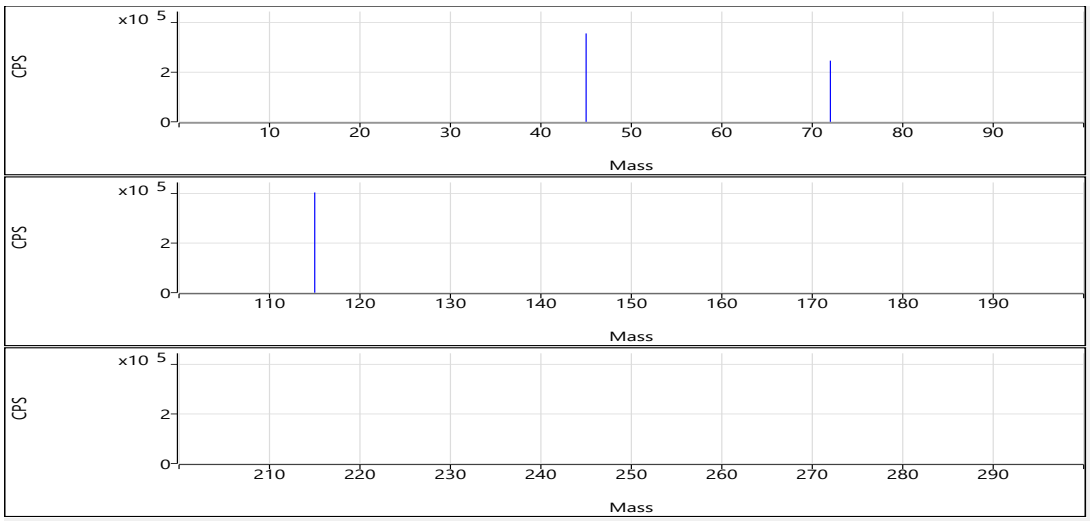
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	263165.65	0.7	113.6	Pulse	0.1000	3
No Gas	Ge	72	177879.26	1.1	107.9	Pulse	0.1000	3
H2	Sc	45	358234.24	0.5	104.9	Pulse	0.1000	3
H2	Ge	72	247894.95	1.0	101.0	Pulse	0.1000	3
H2	In	115	406245.79	0.4	104.2	Pulse	0.1000	3
He	Sc	45	21135.88	1.4	107.0	Pulse	0.1000	3
He	Ge	72	37091.89	1.9	99.0	Pulse	0.1000	3
He	In	115	39411.12	2.6	103.2	Pulse	0.1000	3
He	Tb	159	204911.66	0.6	104.7	Pulse	0.1000	3
He	Bi	209	187432.05	0.8	104.4	Pulse	0.1000	3

No Gas

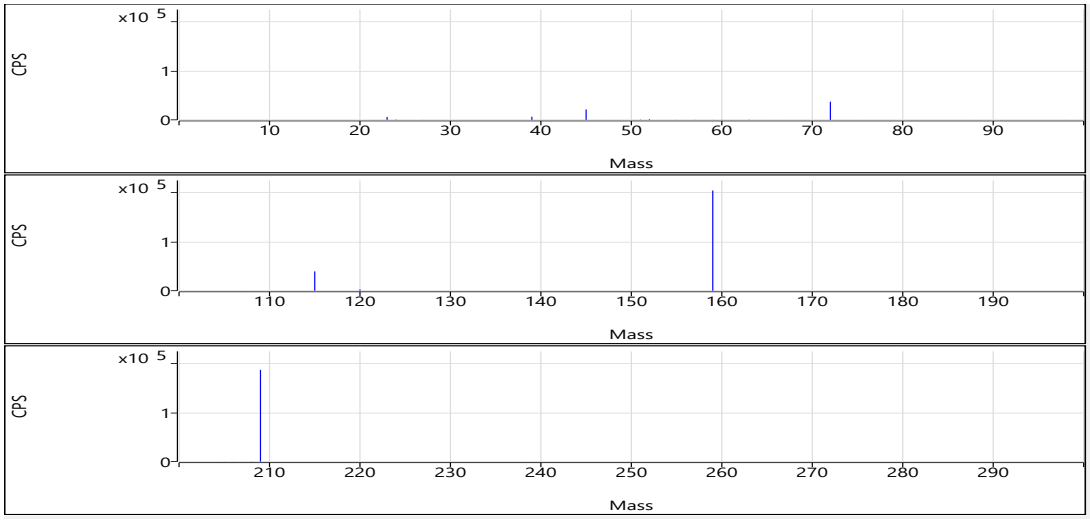


H2



Quantitation Report

He



Quantitation Report

Data File Name	059SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 18:37:05
Sample Name	MB 410-653755/1-A
Sample Type	Sample
Comment	D19
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

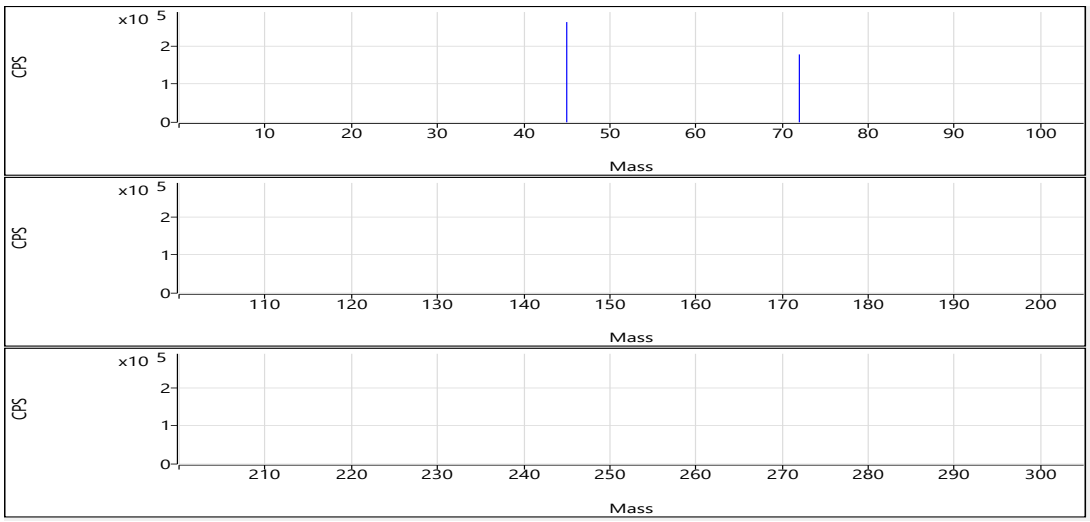
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.106	ppb	16.1	27.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.019	ppb	120.0	7.33	0.0000	Pulse	1.5000	3
Na	23	72	He	5.391	ppb	105.2	6241.54	0.1643	Pulse	0.1000	3
Mg	24	72	He	1.761	ppb	117.9	443.36	0.0117	Pulse	0.1000	3
Al	27	72	He	6.021	ppb	15.5	140.00	0.0037	Pulse	0.1000	3
K	39	72	He	7.014	ppb	212.6	6164.82	0.1623	Pulse	0.1000	3
Ca	44	72	He	15.658	ppb	126.9	96.67	0.0026	Pulse	0.1000	3
Ti	47	45	He	0.168	ppb	698.4	16.67	0.0008	Pulse	0.1000	3
V	51	72	He	-0.237	ppb	N/A	508.68	0.0134	Pulse	0.5000	3
Cr	52	72	He	-0.323	ppb	N/A	1313.44	0.0345	Pulse	0.1000	3
Mn	55	72	He	0.210	ppb	109.0	146.67	0.0038	Pulse	0.1000	3
Fe	57	72	He	3.029	ppb	24.0	146.68	0.0039	Pulse	0.1000	3
Co	59	72	He	-0.008	ppb	N/A	100.00	0.0026	Pulse	0.1000	3
Ni	60	159	He	-0.325	ppb	N/A	320.01	0.0015	Pulse	0.1000	3
Cu	63	72	He	-0.002	ppb	N/A	213.34	0.0056	Pulse	0.1000	3
Zn	66	72	He	0.233	ppb	148.3	133.34	0.0035	Pulse	0.1000	3
As	75	115	He	-0.142	ppb	N/A	20.67	0.0005	Pulse	0.5000	3
Sr	88	115	He	-0.006	ppb	N/A	46.67	0.0012	Pulse	0.1000	3
Mo	98	159	He	0.074	ppb	41.3	113.34	0.0005	Pulse	0.1000	3
Ag	107	115	He	0.024	ppb	72.7	73.33	0.0018	Pulse	0.1000	3
Cd	111	115	He	0.017	ppb	115.7	6.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.947	ppb	N/A	2380.29	0.0114	Pulse	0.1000	3
Sb	121	209	He	0.018	ppb	45.4	26.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	-0.136	ppb	N/A	13.33	0.0001	Pulse	0.1000	3
Tl	205	209	He	0.013	ppb	18.4	180.01	0.0009	Pulse	0.1000	3
Pb	208	209	He	0.012	ppb	25.3	440.01	0.0023	Pulse	0.1000	3
U	238	209	He	0.000	ppb	N/A	33.33	0.0002	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	262050.17	2.0	113.1	Pulse	0.1000	3
No Gas	Ge	72	177467.77	0.4	107.6	Pulse	0.1000	3
H2	Sc	45	356496.33	0.8	104.4	Pulse	0.1000	3
H2	Ge	72	247118.65	0.9	100.7	Pulse	0.1000	3
H2	In	115	402055.75	0.7	103.1	Pulse	0.1000	3
He	Sc	45	21099.04	0.5	106.8	Pulse	0.1000	3
He	Ge	72	38047.74	3.7	101.6	Pulse	0.1000	3
He	In	115	40190.15	0.7	105.3	Pulse	0.1000	3
He	Tb	159	208286.47	0.9	106.4	Pulse	0.1000	3
He	Bi	209	189413.38	1.4	105.6	Pulse	0.1000	3

No Gas



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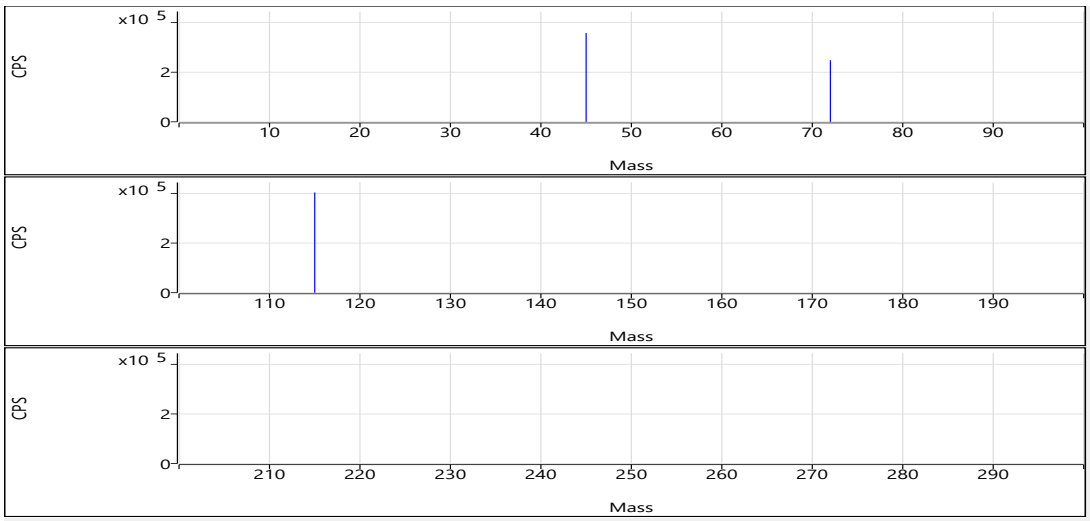
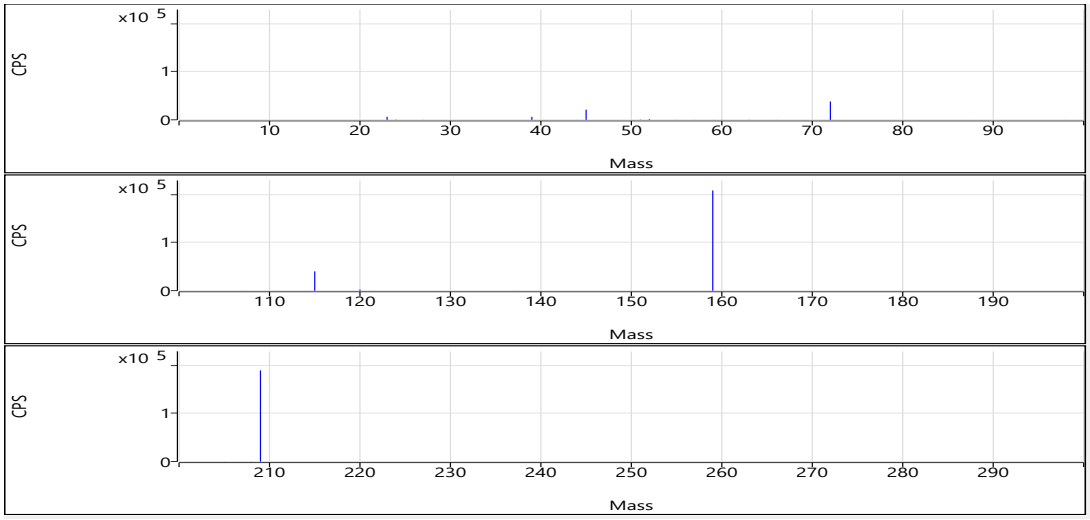


Quantitation Report

He



Quantitation Report

Data File Name	060SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 18:39:16
Sample Name	MB 410-654484/1-A
Sample Type	Sample
Comment	MS-C9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

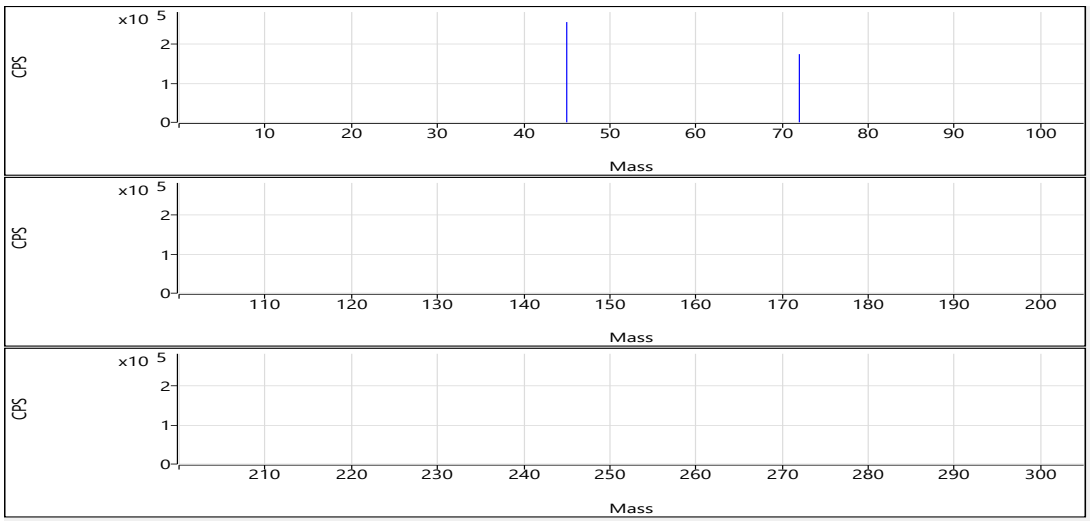
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.108	ppb	47.9	27.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.011	ppb	169.8	6.44	0.0000	Pulse	1.5000	3
Na	23	72	He	25.119	ppb	8.9	8002.43	0.2159	Pulse	0.1000	3
Mg	24	72	He	4.378	ppb	45.9	563.37	0.0152	Pulse	0.1000	3
Al	27	72	He	5.173	ppb	34.2	123.34	0.0033	Pulse	0.1000	3
K	39	72	He	22.562	ppb	65.7	6444.98	0.1740	Pulse	0.1000	3
Ca	44	72	He	4.644	ppb	93.5	76.67	0.0021	Pulse	0.1000	3
Ti	47	45	He	-0.849	ppb	N/A	3.33	0.0002	Pulse	0.1000	3
V	51	72	He	-0.077	ppb	N/A	580.68	0.0157	Pulse	0.5000	3
Cr	52	72	He	-0.289	ppb	N/A	1300.10	0.0351	Pulse	0.1000	3
Mn	55	72	He	0.269	ppb	95.9	160.01	0.0043	Pulse	0.1000	3
Fe	57	72	He	5.320	ppb	52.0	176.68	0.0048	Pulse	0.1000	3
Co	59	72	He	-0.002	ppb	N/A	106.67	0.0029	Pulse	0.1000	3
Ni	60	159	He	-0.233	ppb	N/A	346.69	0.0017	Pulse	0.1000	3
Cu	63	72	He	0.048	ppb	136.2	263.35	0.0071	Pulse	0.1000	3
Zn	66	72	He	1.117	ppb	26.0	243.34	0.0066	Pulse	0.1000	3
As	75	115	He	-0.032	ppb	N/A	29.33	0.0008	Pulse	0.5000	3
Sr	88	115	He	0.073	ppb	49.2	76.67	0.0020	Pulse	0.1000	3
Mo	98	159	He	0.067	ppb	8.0	103.33	0.0005	Pulse	0.1000	3
Ag	107	115	He	0.016	ppb	82.8	53.33	0.0014	Pulse	0.1000	3
Cd	111	115	He	0.015	ppb	75.8	5.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.019	ppb	N/A	3043.77	0.0150	Pulse	0.1000	3
Sb	121	209	He	0.004	ppb	544.7	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	0.008	ppb	1343.7	46.67	0.0002	Pulse	0.1000	3
Tl	205	209	He	0.021	ppb	40.6	230.01	0.0012	Pulse	0.1000	3
Pb	208	209	He	0.023	ppb	61.6	530.02	0.0029	Pulse	0.1000	3
U	238	209	He	0.000	ppb	1417.5	40.00	0.0002	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	257893.19	0.8	111.3	Pulse	0.1000	3
No Gas	Ge	72	175366.98	1.0	106.4	Pulse	0.1000	3
H2	Sc	45	348396.60	0.8	102.0	Pulse	0.1000	3
H2	Ge	72	245693.41	1.2	100.1	Pulse	0.1000	3
H2	In	115	395848.95	0.7	101.5	Pulse	0.1000	3
He	Sc	45	20521.60	1.2	103.9	Pulse	0.1000	3
He	Ge	72	37068.71	1.8	99.0	Pulse	0.1000	3
He	In	115	38984.86	1.7	102.1	Pulse	0.1000	3
He	Tb	159	202426.12	0.5	103.4	Pulse	0.1000	3
He	Bi	209	185223.99	0.8	103.2	Pulse	0.1000	3

No Gas



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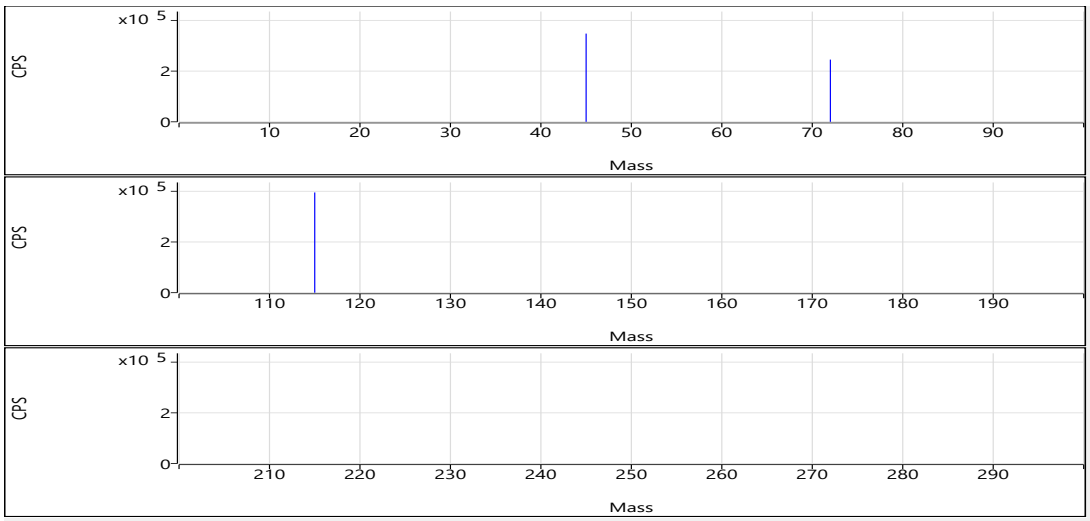
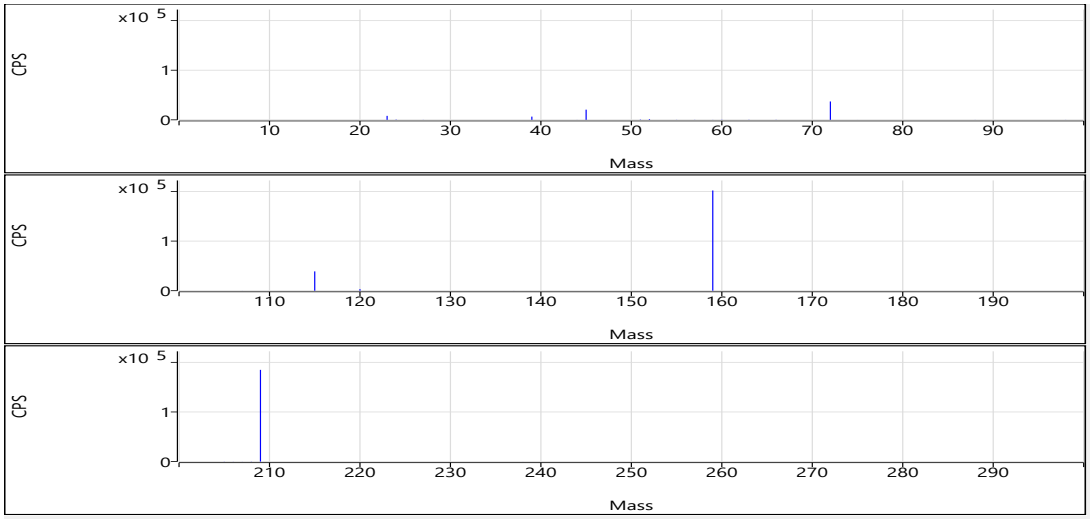


Quantitation Report

He



Quantitation Report

Data File Name	061SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 18:41:26
Sample Name	MB 410-654501/1-A
Sample Type	Sample
Comment	A18
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

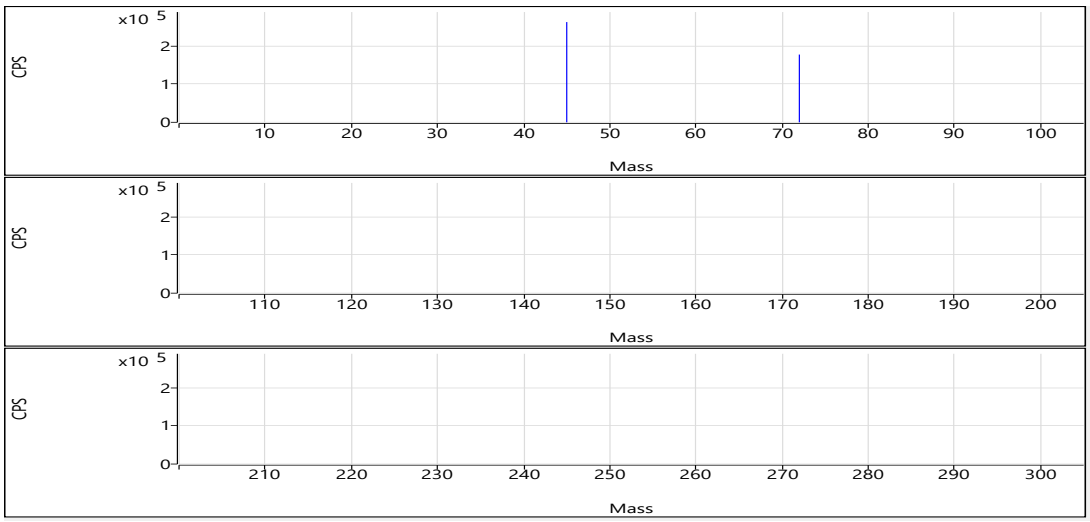
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.106	ppb	15.3	27.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.002	ppb	1327.7	5.56	0.0000	Pulse	1.5000	3
Na	23	72	He	3.333	ppb	92.5	5924.69	0.1590	Pulse	0.1000	3
Mg	24	72	He	2.897	ppb	16.8	493.36	0.0132	Pulse	0.1000	3
Al	27	72	He	10.663	ppb	13.9	206.68	0.0055	Pulse	0.1000	3
K	39	72	He	9.358	ppb	208.6	6108.16	0.1640	Pulse	0.1000	3
Ca	44	72	He	-8.143	ppb	N/A	56.67	0.0015	Pulse	0.1000	3
Ti	47	45	He	-1.109	ppb	N/A	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	-0.264	ppb	N/A	484.01	0.0130	Pulse	0.5000	3
Cr	52	72	He	-0.371	ppb	N/A	1250.10	0.0335	Pulse	0.1000	3
Mn	55	72	He	0.230	ppb	64.8	150.01	0.0040	Pulse	0.1000	3
Fe	57	72	He	3.439	ppb	10.0	150.01	0.0040	Pulse	0.1000	3
Co	59	72	He	-0.014	ppb	N/A	90.00	0.0024	Pulse	0.1000	3
Ni	60	159	He	-0.034	ppb	N/A	430.02	0.0021	Pulse	0.1000	3
Cu	63	72	He	0.354	ppb	26.1	596.70	0.0160	Pulse	0.1000	3
Zn	66	72	He	2.729	ppb	21.8	453.36	0.0122	Pulse	0.1000	3
As	75	115	He	-0.123	ppb	N/A	22.00	0.0006	Pulse	0.5000	3
Sr	88	115	He	-0.038	ppb	N/A	33.33	0.0008	Pulse	0.1000	3
Mo	98	159	He	0.047	ppb	11.6	83.33	0.0004	Pulse	0.1000	3
Ag	107	115	He	0.021	ppb	51.9	66.67	0.0017	Pulse	0.1000	3
Cd	111	115	He	0.005	ppb	87.8	2.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.734	ppb	N/A	2510.32	0.0123	Pulse	0.1000	3
Sb	121	209	He	0.013	ppb	249.5	23.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	-0.037	ppb	N/A	36.67	0.0002	Pulse	0.1000	3
Tl	205	209	He	0.011	ppb	64.9	163.34	0.0009	Pulse	0.1000	3
Pb	208	209	He	0.012	ppb	66.1	430.02	0.0023	Pulse	0.1000	3
U	238	209	He	-0.002	ppb	N/A	13.33	0.0001	Pulse	0.1000	3

ISTD Table:

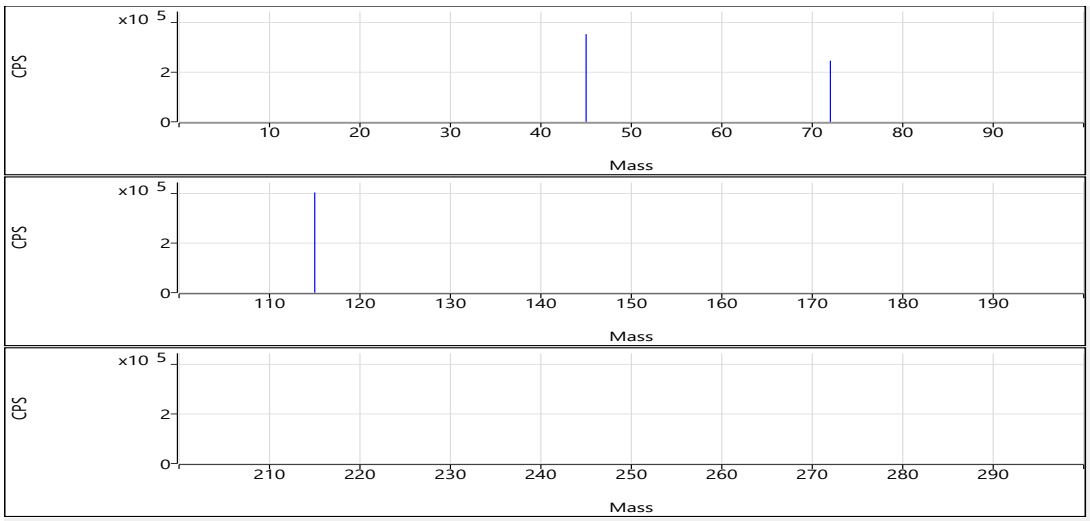
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	262213.93	0.9	113.2	Pulse	0.1000	3
No Gas	Ge	72	177216.52	1.1	107.5	Pulse	0.1000	3
H2	Sc	45	354217.94	1.4	103.7	Pulse	0.1000	3
H2	Ge	72	246756.36	0.6	100.5	Pulse	0.1000	3
H2	In	115	405174.32	0.6	103.9	Pulse	0.1000	3
He	Sc	45	21119.04	1.4	106.9	Pulse	0.1000	3
He	Ge	72	37309.20	3.3	99.6	Pulse	0.1000	3
He	In	115	39657.23	1.2	103.9	Pulse	0.1000	3
He	Tb	159	204825.39	0.8	104.7	Pulse	0.1000	3
He	Bi	209	188916.34	1.3	105.3	Pulse	0.1000	3

No Gas

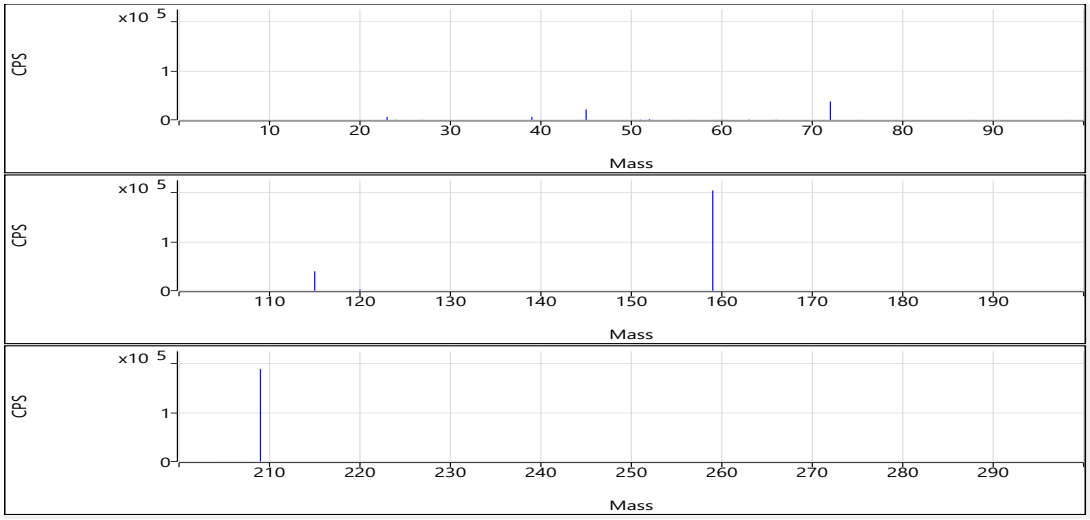


H2



Quantitation Report

He



Quantitation Report

Data File Name	062SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 18:43:37
Sample Name	MB 410-655766/1-A
Sample Type	Sample
Comment	F4
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

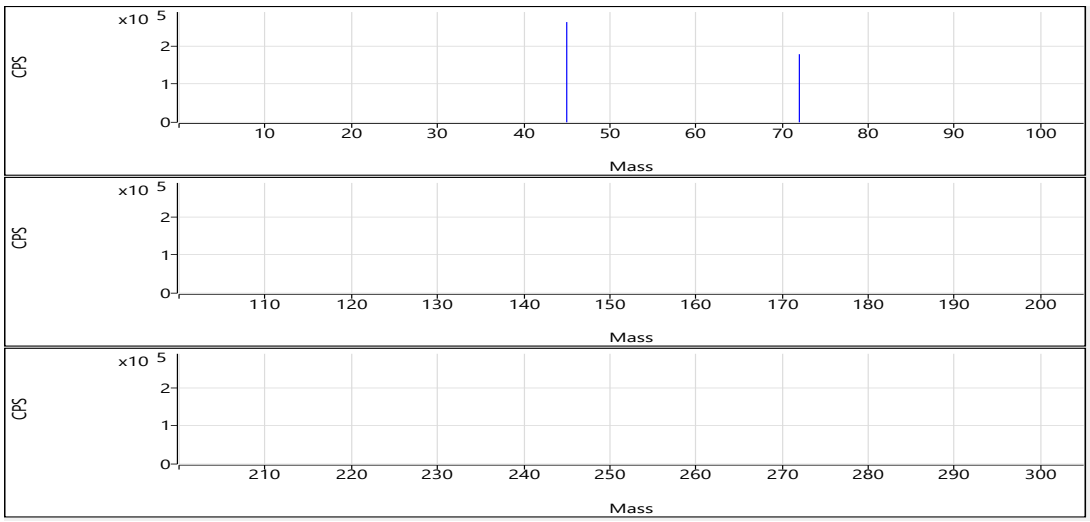
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.085	ppb	21.1	23.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	-0.020	ppb	N/A	3.33	0.0000	Pulse	1.5000	3
Na	23	72	He	9.015	ppb	43.5	6448.31	0.1738	Pulse	0.1000	3
Mg	24	72	He	2.952	ppb	72.5	493.36	0.0133	Pulse	0.1000	3
Al	27	72	He	7.829	ppb	6.0	163.34	0.0044	Pulse	0.1000	3
K	39	72	He	24.972	ppb	30.7	6528.33	0.1758	Pulse	0.1000	3
Ca	44	72	He	-9.920	ppb	N/A	53.33	0.0014	Pulse	0.1000	3
Ti	47	45	He	-0.342	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	-0.268	ppb	N/A	479.34	0.0129	Pulse	0.5000	3
Cr	52	72	He	-0.347	ppb	N/A	1263.43	0.0340	Pulse	0.1000	3
Mn	55	72	He	0.246	ppb	23.5	153.34	0.0041	Pulse	0.1000	3
Fe	57	72	He	1.472	ppb	175.3	120.00	0.0032	Pulse	0.1000	3
Co	59	72	He	0.016	ppb	147.2	130.01	0.0035	Pulse	0.1000	3
Ni	60	159	He	-0.249	ppb	N/A	343.35	0.0017	Pulse	0.1000	3
Cu	63	72	He	-0.032	ppb	N/A	176.68	0.0048	Pulse	0.1000	3
Zn	66	72	He	0.320	ppb	52.5	140.01	0.0038	Pulse	0.1000	3
As	75	115	He	-0.161	ppb	N/A	18.67	0.0005	Pulse	0.5000	3
Sr	88	115	He	-0.029	ppb	N/A	36.67	0.0009	Pulse	0.1000	3
Mo	98	159	He	0.057	ppb	18.0	93.33	0.0005	Pulse	0.1000	3
Ag	107	115	He	0.018	ppb	82.9	60.00	0.0015	Pulse	0.1000	3
Cd	111	115	He	0.010	ppb	152.6	4.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.832	ppb	N/A	2423.63	0.0119	Pulse	0.1000	3
Sb	121	209	He	0.004	ppb	1031.5	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	-0.065	ppb	N/A	30.00	0.0001	Pulse	0.1000	3
Tl	205	209	He	0.012	ppb	12.7	170.01	0.0009	Pulse	0.1000	3
Pb	208	209	He	0.009	ppb	42.0	403.35	0.0022	Pulse	0.1000	3
U	238	209	He	-0.001	ppb	N/A	23.33	0.0001	Pulse	0.1000	3

ISTD Table:

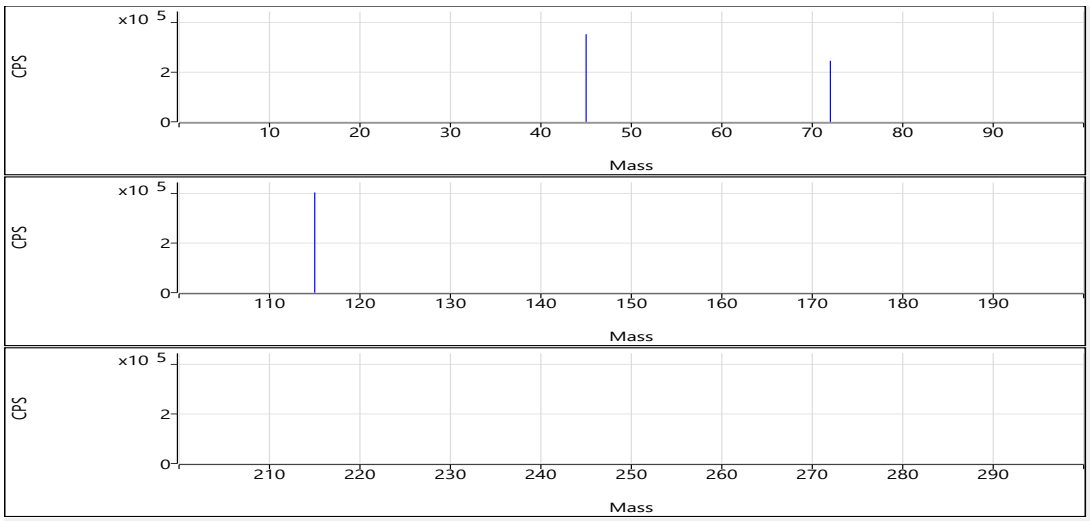
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	262389.52	1.9	113.3	Pulse	0.1000	3
No Gas	Ge	72	178263.47	1.8	108.1	Pulse	0.1000	3
H2	Sc	45	353491.73	0.3	103.5	Pulse	0.1000	3
H2	Ge	72	246245.89	0.7	100.3	Pulse	0.1000	3
H2	In	115	404408.80	0.4	103.7	Pulse	0.1000	3
He	Sc	45	20962.23	2.1	106.1	Pulse	0.1000	3
He	Ge	72	37115.31	2.5	99.1	Pulse	0.1000	3
He	In	115	39470.86	1.2	103.4	Pulse	0.1000	3
He	Tb	159	204039.98	1.2	104.3	Pulse	0.1000	3
He	Bi	209	187120.88	0.6	104.3	Pulse	0.1000	3

No Gas

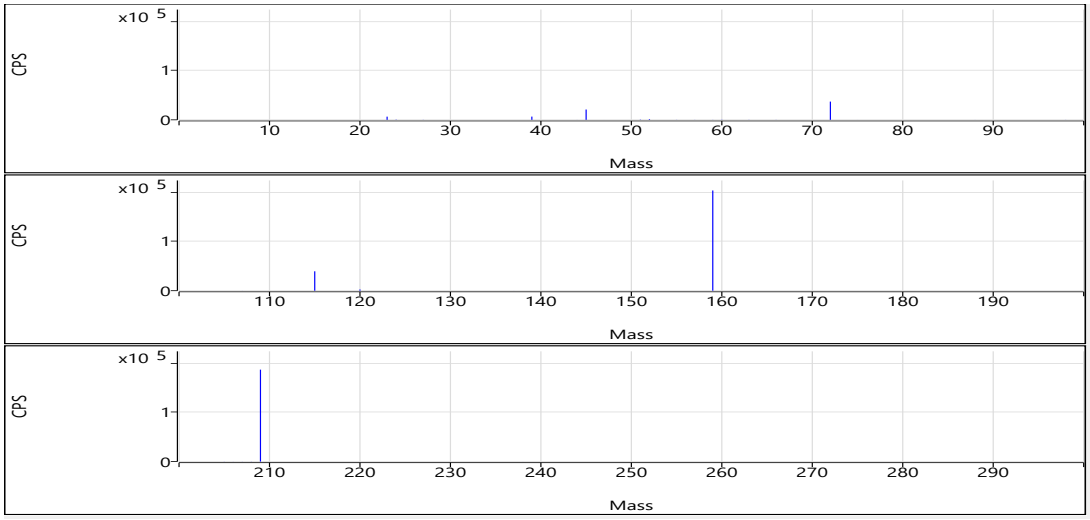


H2



Quantitation Report

He



Quantitation Report

Data File Name	063SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 18:45:46
Sample Name	MB 410-654356/1-A
Sample Type	Sample
Comment	MS-D3
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

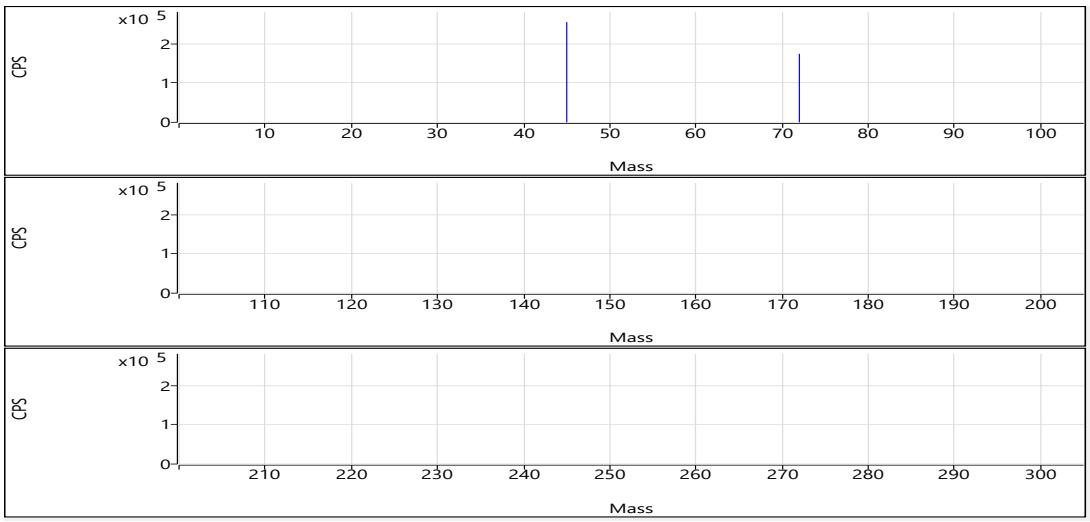
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.070	ppb	45.0	20.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	-0.009	ppb	N/A	4.44	0.0000	Pulse	1.5000	3
Na	23	72	He	3.769	ppb	107.9	6001.41	0.1601	Pulse	0.1000	3
Mg	24	72	He	1.583	ppb	29.2	430.02	0.0115	Pulse	0.1000	3
Al	27	72	He	2.621	ppb	100.1	86.67	0.0023	Pulse	0.1000	3
K	39	72	He	19.846	ppb	62.5	6444.96	0.1719	Pulse	0.1000	3
Ca	44	72	He	-8.160	ppb	N/A	56.67	0.0015	Pulse	0.1000	3
Ti	47	45	He	-0.592	ppb	N/A	6.67	0.0003	Pulse	0.1000	3
V	51	72	He	-0.254	ppb	N/A	492.01	0.0131	Pulse	0.5000	3
Cr	52	72	He	-0.339	ppb	N/A	1280.10	0.0342	Pulse	0.1000	3
Mn	55	72	He	0.042	ppb	82.8	90.00	0.0024	Pulse	0.1000	3
Fe	57	72	He	3.616	ppb	41.6	153.34	0.0041	Pulse	0.1000	3
Co	59	72	He	0.007	ppb	622.6	120.00	0.0032	Pulse	0.1000	3
Ni	60	159	He	-0.125	ppb	N/A	393.35	0.0019	Pulse	0.1000	3
Cu	63	72	He	0.030	ppb	66.8	246.68	0.0066	Pulse	0.1000	3
Zn	66	72	He	0.256	ppb	15.5	133.34	0.0036	Pulse	0.1000	3
As	75	115	He	-0.091	ppb	N/A	24.67	0.0006	Pulse	0.5000	3
Sr	88	115	He	-0.004	ppb	N/A	46.67	0.0012	Pulse	0.1000	3
Mo	98	159	He	0.034	ppb	27.9	70.00	0.0003	Pulse	0.1000	3
Ag	107	115	He	0.011	ppb	117.8	43.33	0.0011	Pulse	0.1000	3
Cd	111	115	He	0.012	ppb	70.2	4.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.714	ppb	N/A	2526.98	0.0123	Pulse	0.1000	3
Sb	121	209	He	-0.006	ppb	N/A	10.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	-0.009	ppb	N/A	43.33	0.0002	Pulse	0.1000	3
Tl	205	209	He	0.004	ppb	70.0	113.34	0.0006	Pulse	0.1000	3
Pb	208	209	He	0.012	ppb	19.0	436.68	0.0023	Pulse	0.1000	3
U	238	209	He	-0.001	ppb	N/A	30.00	0.0002	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	255727.65	0.2	110.4	Pulse	0.1000	3
No Gas	Ge	72	174851.50	0.8	106.1	Pulse	0.1000	3
H2	Sc	45	358023.05	1.0	104.8	Pulse	0.1000	3
H2	Ge	72	247718.23	1.0	100.9	Pulse	0.1000	3
H2	In	115	408273.48	1.2	104.7	Pulse	0.1000	3
He	Sc	45	20898.74	2.7	105.8	Pulse	0.1000	3
He	Ge	72	37492.89	1.3	100.1	Pulse	0.1000	3
He	In	115	39607.26	0.7	103.8	Pulse	0.1000	3
He	Tb	159	204821.75	0.3	104.7	Pulse	0.1000	3
He	Bi	209	188514.98	0.4	105.1	Pulse	0.1000	3

No Gas



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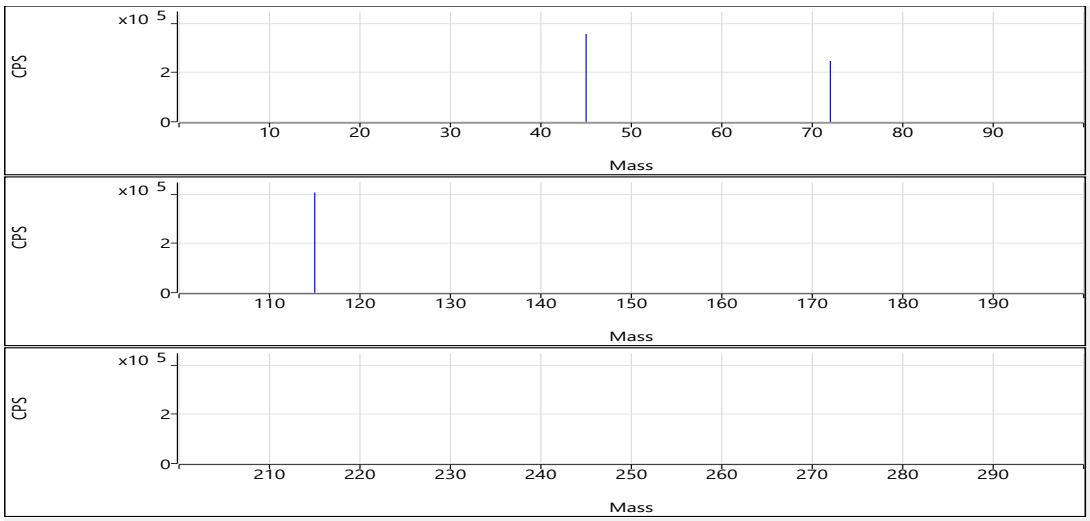
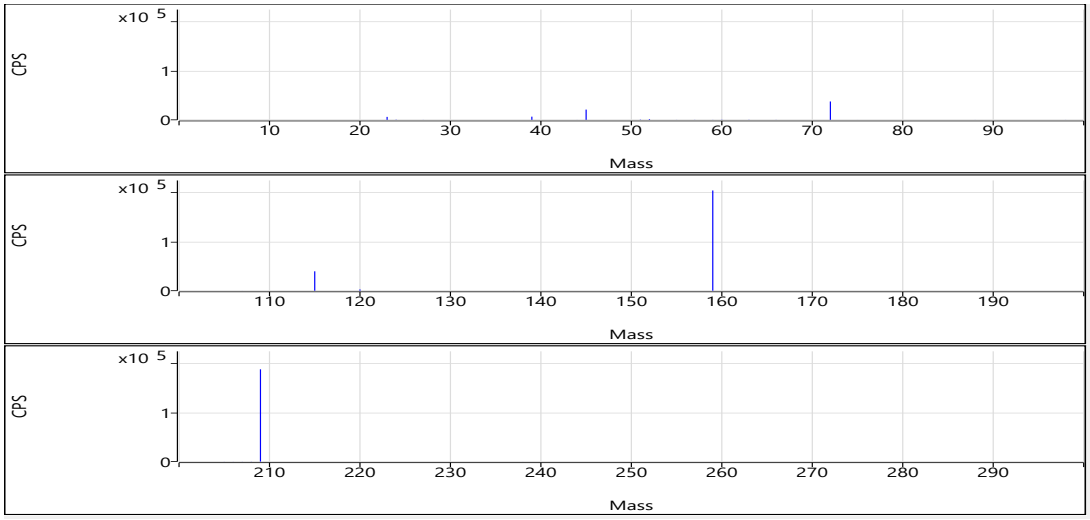


Quantitation Report

He



Quantitation Report

Data File Name	064SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 18:47:57
Sample Name	MB 410-653748/1-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

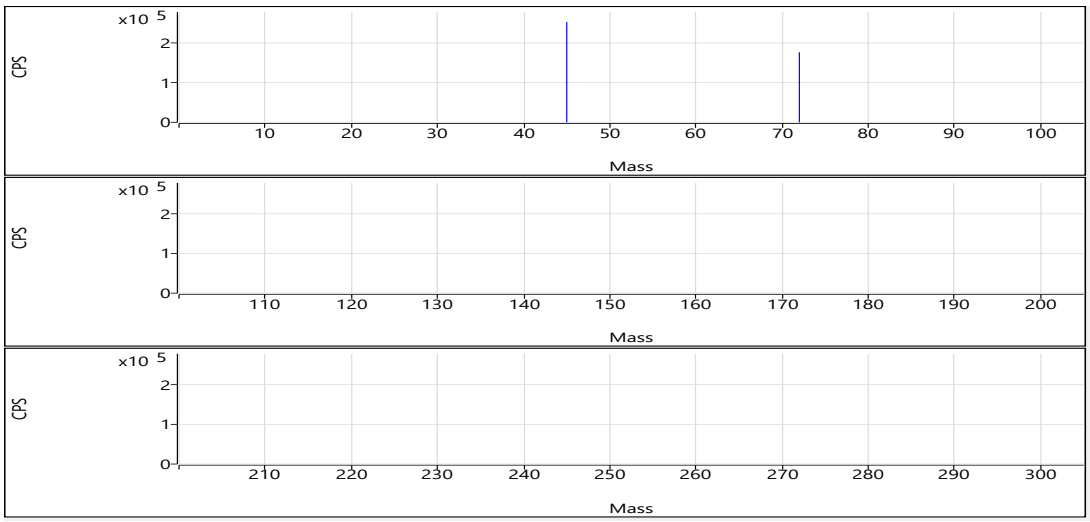
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.094	ppb	51.3	24.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	-0.004	ppb	N/A	4.89	0.0000	Pulse	1.5000	3
Na	23	72	He	5.376	ppb	24.9	6148.18	0.1643	Pulse	0.1000	3
Mg	24	72	He	3.603	ppb	74.1	530.03	0.0142	Pulse	0.1000	3
Al	27	72	He	4.429	ppb	54.0	113.34	0.0030	Pulse	0.1000	3
K	39	72	He	16.468	ppb	25.2	6338.22	0.1694	Pulse	0.1000	3
Ca	44	72	He	18.409	ppb	3.9	100.00	0.0027	Pulse	0.1000	3
Ti	47	45	He	-0.591	ppb	N/A	6.67	0.0003	Pulse	0.1000	3
V	51	72	He	0.005	ppb	1515.5	631.35	0.0169	Pulse	0.5000	3
Cr	52	72	He	-0.168	ppb	N/A	1400.12	0.0374	Pulse	0.1000	3
Mn	55	72	He	0.294	ppb	8.6	170.01	0.0045	Pulse	0.1000	3
Fe	57	72	He	5.874	ppb	46.7	186.67	0.0050	Pulse	0.1000	3
Co	59	72	He	-0.017	ppb	N/A	86.67	0.0023	Pulse	0.1000	3
Ni	60	159	He	-0.128	ppb	N/A	386.68	0.0019	Pulse	0.1000	3
Cu	63	72	He	-0.045	ppb	N/A	163.34	0.0044	Pulse	0.1000	3
Zn	66	72	He	0.743	ppb	23.7	196.68	0.0053	Pulse	0.1000	3
As	75	115	He	0.039	ppb	462.1	35.33	0.0009	Pulse	0.5000	3
Sr	88	115	He	-0.020	ppb	N/A	40.00	0.0010	Pulse	0.1000	3
Mo	98	159	He	0.035	ppb	170.8	70.00	0.0003	Pulse	0.1000	3
Ag	107	115	He	0.022	ppb	45.5	66.67	0.0017	Pulse	0.1000	3
Cd	111	115	He	0.005	ppb	236.9	2.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.066	ppb	N/A	2997.11	0.0149	Pulse	0.1000	3
Sb	121	209	He	0.009	ppb	289.9	20.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	0.009	ppb	581.2	46.67	0.0002	Pulse	0.1000	3
Tl	205	209	He	0.006	ppb	108.4	126.67	0.0007	Pulse	0.1000	3
Pb	208	209	He	0.007	ppb	55.1	386.68	0.0021	Pulse	0.1000	3
U	238	209	He	-0.001	ppb	N/A	26.67	0.0001	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	251714.90	1.9	108.7	Pulse	0.1000	3
No Gas	Ge	72	175886.94	1.5	106.7	Pulse	0.1000	3
H2	Sc	45	350351.47	0.1	102.6	Pulse	0.1000	3
H2	Ge	72	243256.86	0.7	99.1	Pulse	0.1000	3
H2	In	115	399281.80	1.0	102.4	Pulse	0.1000	3
He	Sc	45	20791.96	3.5	105.2	Pulse	0.1000	3
He	Ge	72	37416.07	1.2	99.9	Pulse	0.1000	3
He	In	115	39132.52	1.3	102.5	Pulse	0.1000	3
He	Tb	159	201799.37	0.7	103.1	Pulse	0.1000	3
He	Bi	209	187534.35	0.6	104.5	Pulse	0.1000	3

No Gas



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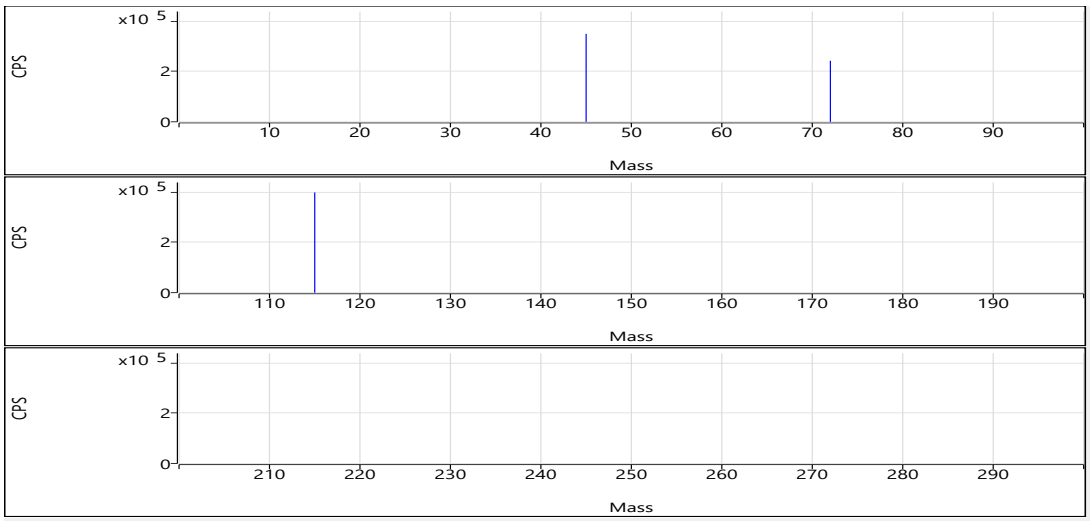
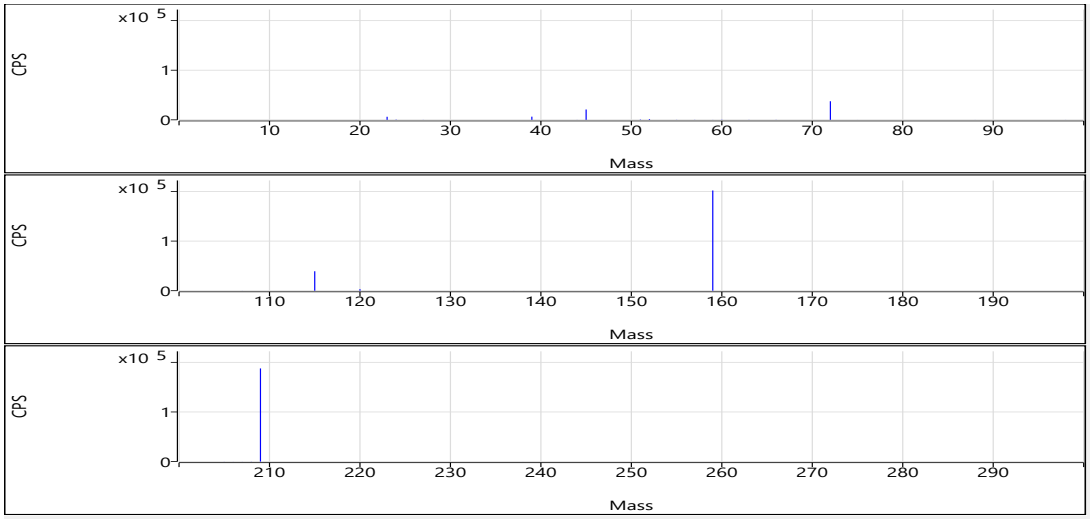


Quantitation Report

He



Quantitation Report

Data File Name	068_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 18:56:38
Sample Name	CCV 7799630
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

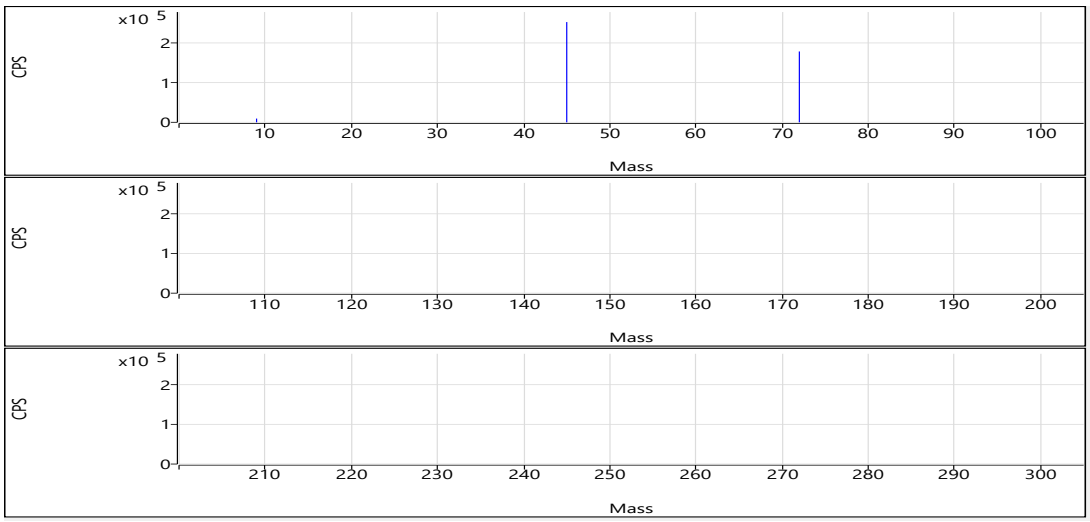
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.022	ppb	2.2	9392.98	0.0371	Pulse	0.5000	3
Se	78	72	H2	50.321	ppb	1.6	5093.58	0.0206	Pulse	1.5000	3
Na	23	72	He	4977.396	ppb	3.1	492201.49	13.1474	Pulse	0.1000	3
Mg	24	72	He	4984.972	ppb	3.3	251529.92	6.7188	Pulse	0.1000	3
Al	27	72	He	4862.304	ppb	3.3	73384.56	1.9603	Pulse	0.1000	3
K	39	72	He	5067.106	ppb	3.2	148892.65	3.9771	Pulse	0.1000	3
Ca	44	72	He	5123.690	ppb	6.6	8459.43	0.2261	Pulse	0.1000	3
Ti	47	45	He	4848.099	ppb	3.6	61733.94	3.0022	Pulse	0.1000	3
V	51	72	He	504.132	ppb	2.7	274469.02	7.3309	Pulse	0.5000	3
Cr	52	72	He	507.324	ppb	2.4	366162.57	9.7795	Pulse	0.1000	3
Mn	55	72	He	496.571	ppb	2.8	158132.64	4.2237	Pulse	0.1000	3
Fe	57	72	He	4889.638	ppb	2.7	72273.29	1.9303	Pulse	0.1000	3
Co	59	72	He	508.355	ppb	2.8	702941.58	18.7757	Pulse	0.1000	3
Ni	60	159	He	500.385	ppb	1.7	195153.72	0.9686	Pulse	0.1000	3
Cu	63	72	He	507.819	ppb	3.2	557255.19	14.8854	Pulse	0.1000	3
Zn	66	72	He	514.229	ppb	4.1	67136.46	1.7937	Pulse	0.1000	3
As	75	115	He	494.669	ppb	1.1	40834.27	1.0722	Pulse	0.5000	3
Sr	88	115	He	50.016	ppb	0.4	19347.12	0.5080	Pulse	0.1000	3
Mo	98	159	He	49.719	ppb	0.7	50641.27	0.2513	Pulse	0.1000	3
Ag	107	115	He	51.427	ppb	0.4	114946.47	3.0181	Pulse	0.1000	3
Cd	111	115	He	49.734	ppb	0.5	12878.61	0.3382	Pulse	0.5000	3
Sn	120	159	He	51.991	ppb	2.5	43749.44	0.2171	Pulse	0.1000	3
Sb	121	209	He	50.842	ppb	0.2	34760.71	0.1899	Pulse	0.1000	3
Ba	137	159	He	502.158	ppb	1.3	117063.38	0.5810	Pulse	0.1000	3
Tl	205	209	He	50.840	ppb	1.1	358916.87	1.9607	Pulse	0.1000	3
Pb	208	209	He	50.289	ppb	1.4	469414.52	2.5643	Pulse	0.1000	3
U	238	209	He	50.017	ppb	0.9	567690.16	3.1011	Pulse	0.1000	3

ISTD Table:

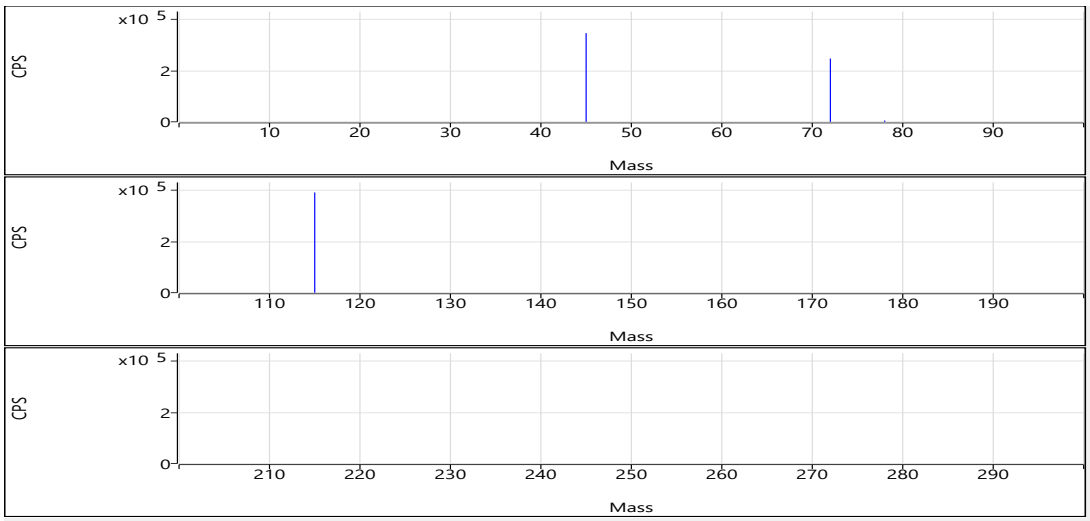
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	253342.31	1.2	109.4	Pulse	0.1000	3
No Gas	Ge	72	179039.38	1.7	108.6	Pulse	0.1000	3
H2	Sc	45	347031.15	0.5	101.6	Pulse	0.1000	3
H2	Ge	72	247420.32	0.9	100.8	Pulse	0.1000	3
H2	In	115	392072.81	0.3	100.5	Pulse	0.1000	3
He	Sc	45	20568.27	1.3	104.1	Pulse	0.1000	3
He	Ge	72	37459.50	2.9	100.0	Pulse	0.1000	3
He	In	115	38085.46	0.4	99.8	Pulse	0.1000	3
He	Tb	159	201481.88	0.2	103.0	Pulse	0.1000	3
He	Bi	209	183068.82	0.8	102.0	Pulse	0.1000	3

No Gas

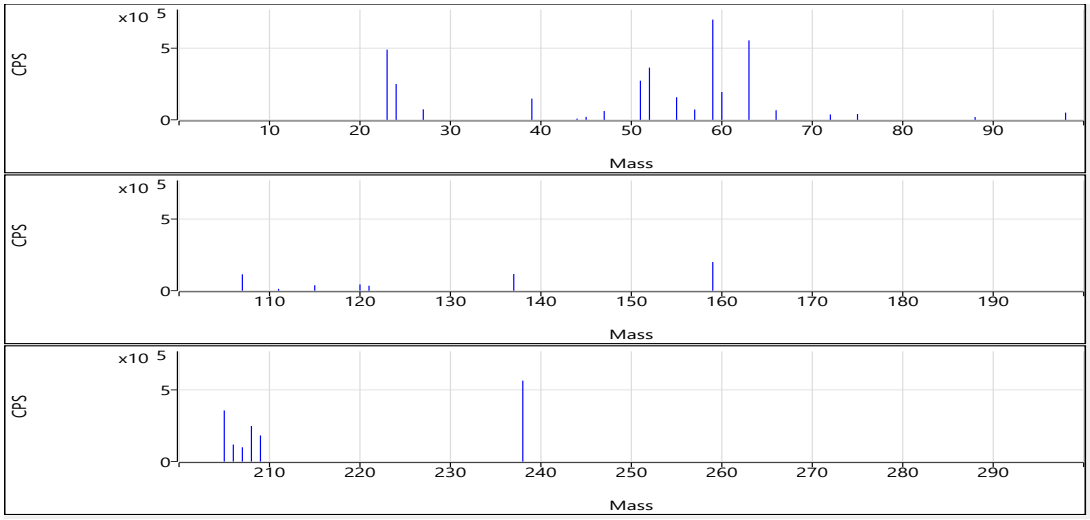


H2



Quantitation Report

He



Quantitation Report

Data File Name	070_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:00:59
Sample Name	CCB 7792565
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

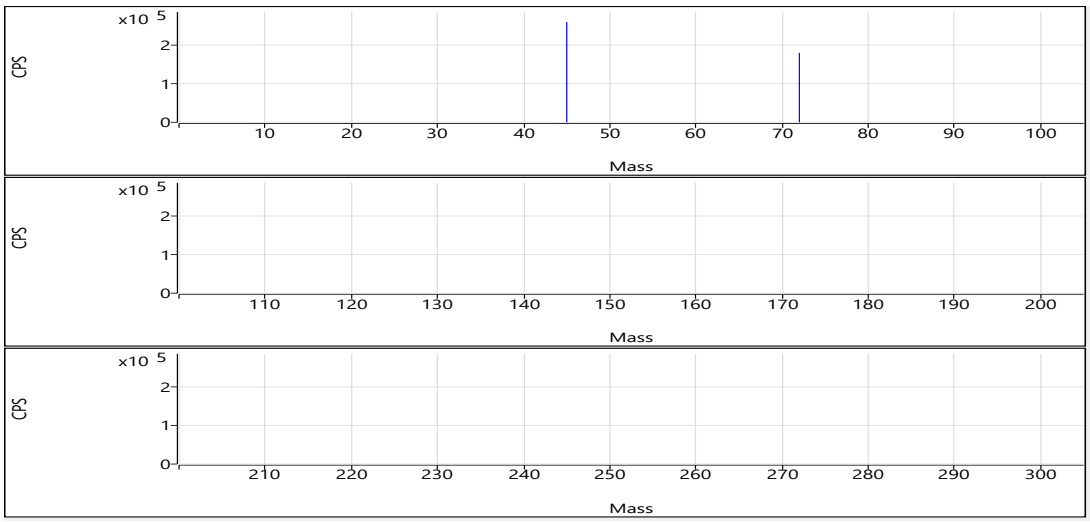
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.042	ppb	67.8	14.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.009	ppb	368.2	6.22	0.0000	Pulse	1.5000	3
Na	23	72	He	0.504	ppb	125.4	5561.19	0.1516	Pulse	0.1000	3
Mg	24	72	He	0.697	ppb	138.5	376.69	0.0103	Pulse	0.1000	3
Al	27	72	He	1.407	ppb	23.2	66.67	0.0018	Pulse	0.1000	3
K	39	72	He	6.621	ppb	102.4	5944.71	0.1620	Pulse	0.1000	3
Ca	44	72	He	17.675	ppb	208.8	96.67	0.0026	Pulse	0.1000	3
Ti	47	45	He	-0.305	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	0.130	ppb	19.8	686.02	0.0187	Pulse	0.5000	3
Cr	52	72	He	0.169	ppb	154.3	1610.14	0.0439	Pulse	0.1000	3
Mn	55	72	He	0.134	ppb	39.2	116.67	0.0032	Pulse	0.1000	3
Fe	57	72	He	1.062	ppb	206.3	113.34	0.0031	Pulse	0.1000	3
Co	59	72	He	0.044	ppb	64.0	166.68	0.0045	Pulse	0.1000	3
Ni	60	159	He	0.048	ppb	225.2	446.69	0.0023	Pulse	0.1000	3
Cu	63	72	He	0.085	ppb	34.5	300.02	0.0082	Pulse	0.1000	3
Zn	66	72	He	0.279	ppb	112.6	133.34	0.0036	Pulse	0.1000	3
As	75	115	He	0.118	ppb	125.7	40.67	0.0011	Pulse	0.5000	3
Sr	88	115	He	0.035	ppb	576.3	60.00	0.0016	Pulse	0.1000	3
Mo	98	159	He	0.046	ppb	92.9	80.00	0.0004	Pulse	0.1000	3
Ag	107	115	He	0.017	ppb	57.0	53.33	0.0014	Pulse	0.1000	3
Cd	111	115	He	0.013	ppb	92.2	4.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.300	ppb	N/A	2760.37	0.0139	Pulse	0.1000	3
Sb	121	209	He	0.074	ppb	70.5	63.33	0.0003	Pulse	0.1000	3
Ba	137	159	He	0.086	ppb	79.8	63.33	0.0003	Pulse	0.1000	3
Tl	205	209	He	0.018	ppb	47.9	203.35	0.0011	Pulse	0.1000	3
Pb	208	209	He	0.013	ppb	51.0	426.68	0.0024	Pulse	0.1000	3
U	238	209	He	0.005	ppb	10.6	93.33	0.0005	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	258175.19	2.6	111.5	Pulse	0.1000	3
No Gas	Ge	72	178681.33	1.5	108.4	Pulse	0.1000	3
H2	Sc	45	344854.77	0.6	101.0	Pulse	0.1000	3
H2	Ge	72	245214.73	0.7	99.9	Pulse	0.1000	3
H2	In	115	389782.49	0.9	99.9	Pulse	0.1000	3
He	Sc	45	20104.31	2.2	101.8	Pulse	0.1000	3
He	Ge	72	36690.94	1.6	97.9	Pulse	0.1000	3
He	In	115	37776.89	0.8	99.0	Pulse	0.1000	3
He	Tb	159	197882.50	0.9	101.1	Pulse	0.1000	3
He	Bi	209	181286.95	0.3	101.0	Pulse	0.1000	3

No Gas



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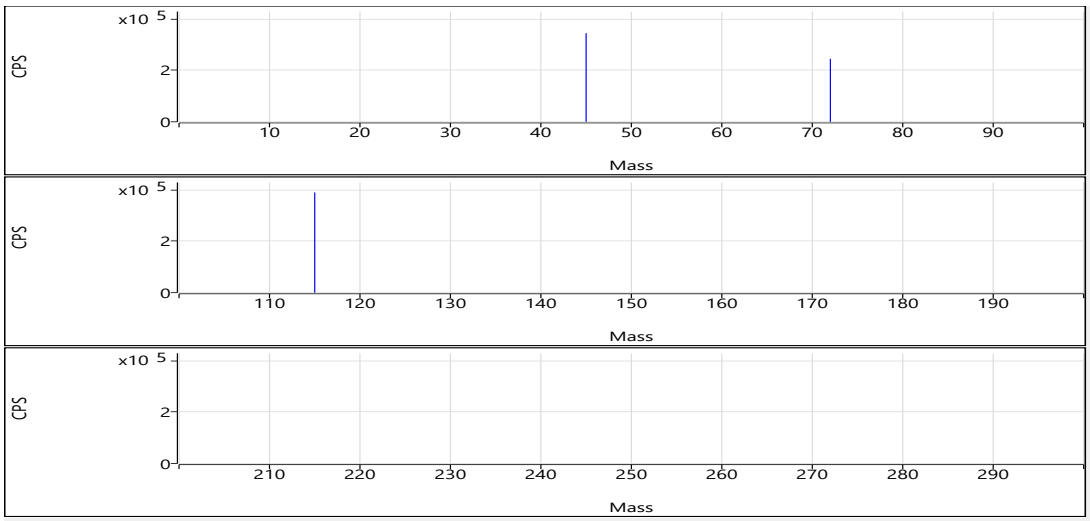
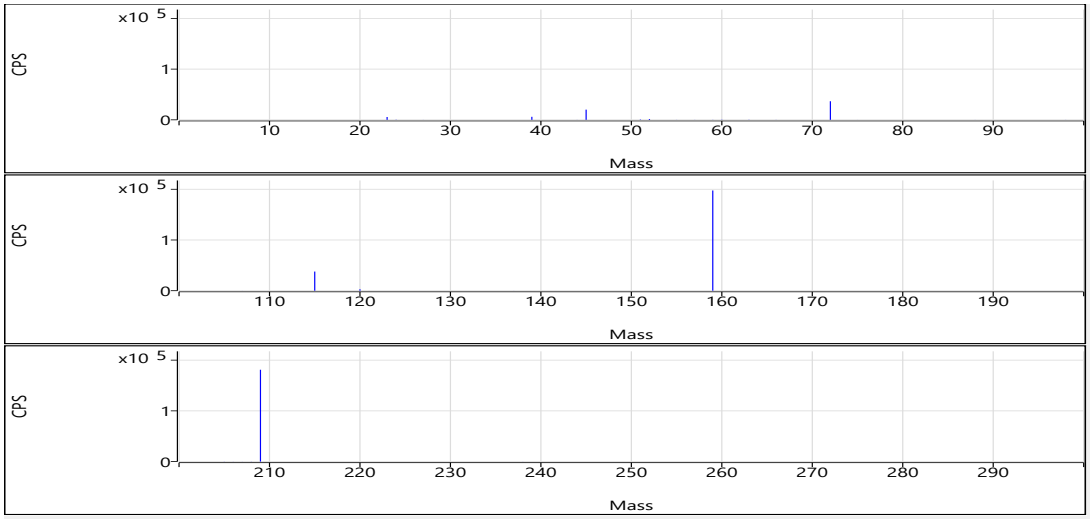


Quantitation Report

He



Quantitation Report

Data File Name	072SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:05:25
Sample Name	LCS 410-653748/2-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

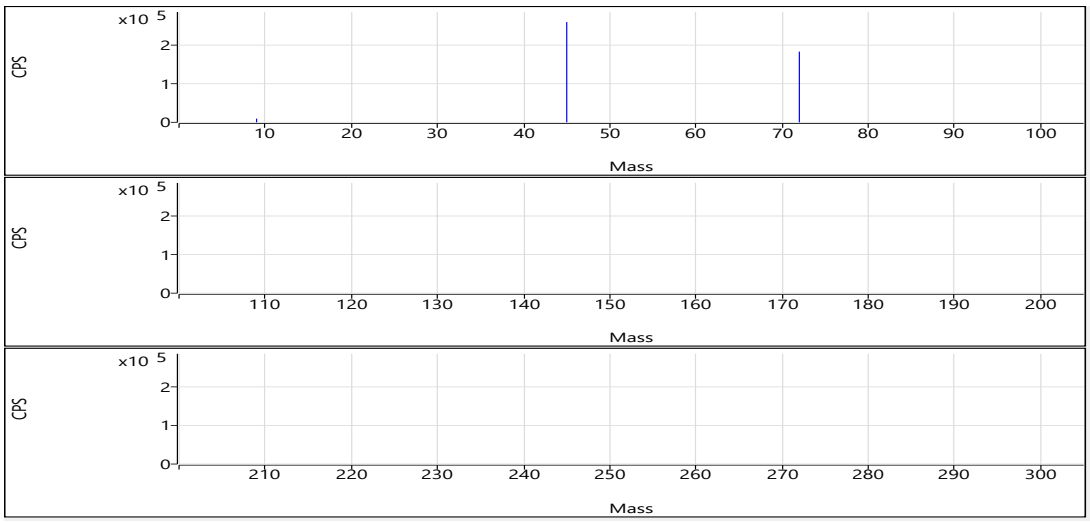
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.736	ppb	2.1	9644.46	0.0369	Pulse	0.5000	3
Se	78	72	H2	94.751	ppb	0.2	9931.64	0.0387	Pulse	1.5000	3
Na	23	72	He	4657.944	ppb	1.1	483613.01	12.3132	Pulse	0.1000	3
Mg	24	72	He	4613.102	ppb	1.2	244225.35	6.2183	Pulse	0.1000	3
Al	27	72	He	4514.780	ppb	1.0	71492.13	1.8203	Pulse	0.1000	3
K	39	72	He	4771.528	ppb	0.3	147458.79	3.7543	Pulse	0.1000	3
Ca	44	72	He	4720.289	ppb	5.7	8185.90	0.2085	Pulse	0.1000	3
Ti	47	45	He	480.027	ppb	3.2	6258.22	0.2979	Pulse	0.1000	3
V	51	72	He	464.176	ppb	0.3	265170.19	6.7512	Pulse	0.5000	3
Cr	52	72	He	468.605	ppb	0.6	354931.08	9.0362	Pulse	0.1000	3
Mn	55	72	He	457.424	ppb	0.6	152821.54	3.8908	Pulse	0.1000	3
Fe	57	72	He	4592.188	ppb	1.8	71218.16	1.8131	Pulse	0.1000	3
Co	59	72	He	469.171	ppb	0.3	680617.96	17.3286	Pulse	0.1000	3
Ni	60	159	He	476.866	ppb	0.8	187452.38	0.9232	Pulse	0.1000	3
Cu	63	72	He	473.830	ppb	0.5	545540.49	13.8895	Pulse	0.1000	3
Zn	66	72	He	479.918	ppb	0.9	65759.85	1.6742	Pulse	0.1000	3
As	75	115	He	477.070	ppb	0.2	39963.13	1.0341	Pulse	0.5000	3
Sr	88	115	He	48.090	ppb	2.2	18876.41	0.4885	Pulse	0.1000	3
Mo	98	159	He	47.869	ppb	2.4	49132.49	0.2420	Pulse	0.1000	3
Ag	107	115	He	48.494	ppb	0.3	109986.86	2.8460	Pulse	0.1000	3
Cd	111	115	He	48.763	ppb	0.7	12813.21	0.3316	Pulse	0.5000	3
Sn	120	159	He	95.791	ppb	2.8	78644.47	0.3873	Pulse	0.1000	3
Sb	121	209	He	96.121	ppb	1.8	66666.30	0.3589	Pulse	0.1000	3
Ba	137	159	He	482.205	ppb	1.3	113289.00	0.5579	Pulse	0.1000	3
Tl	205	209	He	96.461	ppb	0.3	690908.25	3.7197	Pulse	0.1000	3
Pb	208	209	He	48.068	ppb	0.2	455276.66	2.4511	Pulse	0.1000	3
U	238	209	He	47.994	ppb	0.3	552720.08	2.9757	Pulse	0.1000	3

ISTD Table:

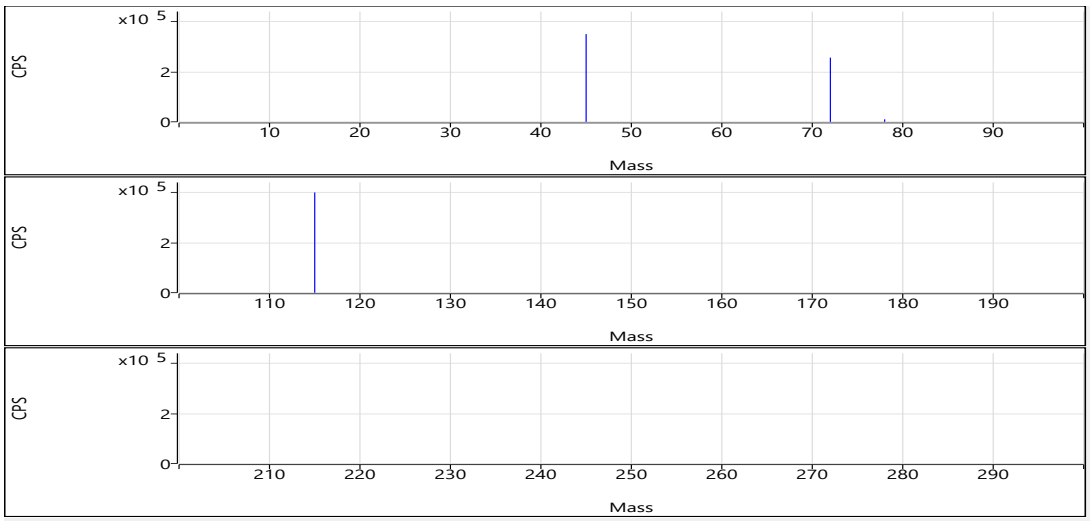
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	261547.84	1.9	112.9	Pulse	0.1000	3
No Gas	Ge	72	184439.62	0.7	111.9	Pulse	0.1000	3
H2	Sc	45	350286.61	0.8	102.6	Pulse	0.1000	3
H2	Ge	72	256323.86	1.3	104.4	Pulse	0.1000	3
H2	In	115	400189.56	1.3	102.6	Pulse	0.1000	3
He	Sc	45	21015.72	1.6	106.4	Pulse	0.1000	3
He	Ge	72	39277.76	0.8	104.9	Pulse	0.1000	3
He	In	115	38646.02	0.7	101.2	Pulse	0.1000	3
He	Tb	159	203067.01	1.2	103.8	Pulse	0.1000	3
He	Bi	209	185745.13	0.1	103.5	Pulse	0.1000	3

No Gas

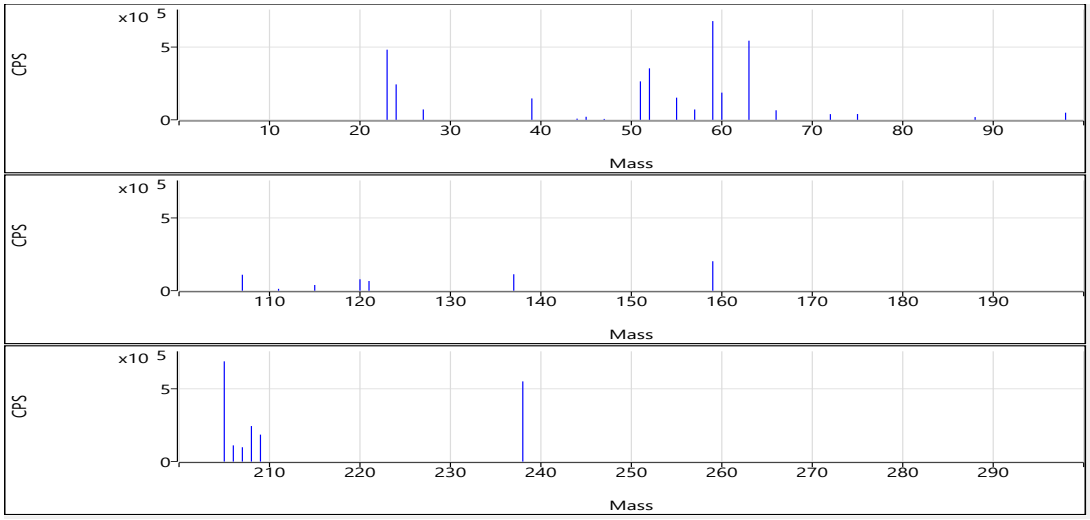


H2



Quantitation Report

He



Quantitation Report

Data File Name	073SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:07:35
Sample Name	LCS 410-654356/2-A
Sample Type	Sample
Comment	MS-D3
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

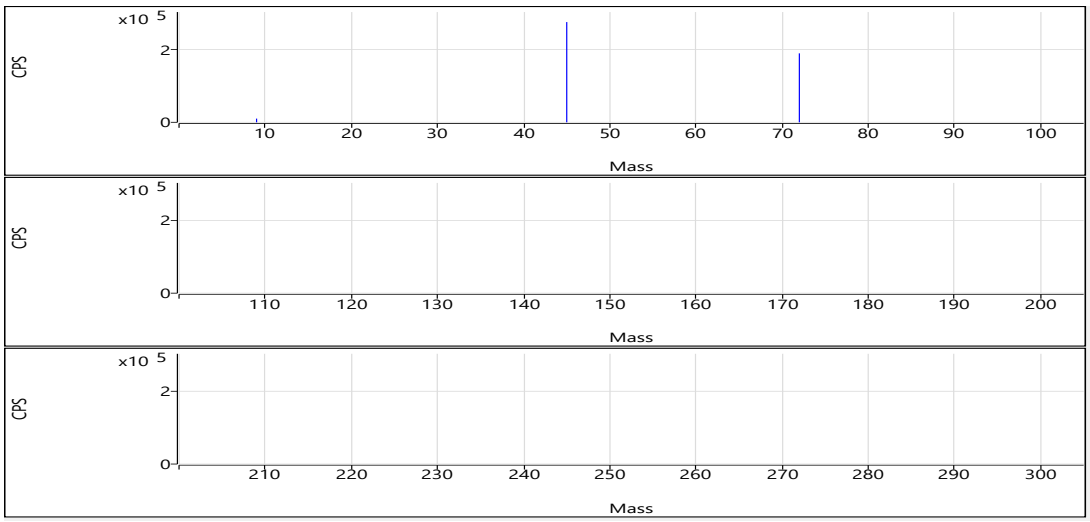
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.534	ppb	1.2	10062.74	0.0367	Pulse	0.5000	3
Se	78	72	H2	95.050	ppb	0.6	9991.91	0.0389	Pulse	1.5000	3
Na	23	72	He	4735.715	ppb	2.6	490892.30	12.5163	Pulse	0.1000	3
Mg	24	72	He	4648.925	ppb	2.1	245789.64	6.2665	Pulse	0.1000	3
Al	27	72	He	4570.990	ppb	2.4	72288.93	1.8429	Pulse	0.1000	3
K	39	72	He	4885.131	ppb	3.2	150593.40	3.8399	Pulse	0.1000	3
Ca	44	72	He	4709.838	ppb	8.9	8152.51	0.2080	Pulse	0.1000	3
Ti	47	45	He	463.269	ppb	5.3	6154.84	0.2875	Pulse	0.1000	3
V	51	72	He	472.372	ppb	2.4	269454.40	6.8701	Pulse	0.5000	3
Cr	52	72	He	472.997	ppb	2.8	357697.22	9.1205	Pulse	0.1000	3
Mn	55	72	He	468.133	ppb	2.7	156172.74	3.9819	Pulse	0.1000	3
Fe	57	72	He	4569.221	ppb	3.6	70752.56	1.8040	Pulse	0.1000	3
Co	59	72	He	475.507	ppb	2.6	688810.07	17.5626	Pulse	0.1000	3
Ni	60	159	He	475.642	ppb	1.0	190649.07	0.9208	Pulse	0.1000	3
Cu	63	72	He	482.003	ppb	2.8	554122.69	14.1290	Pulse	0.1000	3
Zn	66	72	He	483.109	ppb	3.1	66094.64	1.6853	Pulse	0.1000	3
As	75	115	He	475.449	ppb	0.6	41003.36	1.0306	Pulse	0.5000	3
Sr	88	115	He	47.002	ppb	0.1	18996.59	0.4775	Pulse	0.1000	3
Mo	98	159	He	46.778	ppb	0.6	48965.27	0.2365	Pulse	0.1000	3
Ag	107	115	He	47.756	ppb	0.9	111515.30	2.8027	Pulse	0.1000	3
Cd	111	115	He	47.677	ppb	1.4	12897.30	0.3242	Pulse	0.5000	3
Sn	120	159	He	93.144	ppb	2.6	78061.56	0.3771	Pulse	0.1000	3
Sb	121	209	He	92.065	ppb	1.0	64700.56	0.3438	Pulse	0.1000	3
Ba	137	159	He	482.617	ppb	1.5	115614.78	0.5584	Pulse	0.1000	3
Tl	205	209	He	96.310	ppb	0.7	699011.94	3.7138	Pulse	0.1000	3
Pb	208	209	He	48.661	ppb	0.3	467019.16	2.4813	Pulse	0.1000	3
U	238	209	He	47.861	ppb	0.6	558514.90	2.9675	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	274054.09	2.5	118.3	Pulse	0.1000	3
No Gas	Ge	72	188524.57	2.3	114.3	Pulse	0.1000	3
H2	Sc	45	356956.91	1.0	104.5	Pulse	0.1000	3
H2	Ge	72	257058.33	1.1	104.7	Pulse	0.1000	3
H2	In	115	405711.79	1.2	104.0	Pulse	0.1000	3
He	Sc	45	21409.46	0.9	108.4	Pulse	0.1000	3
He	Ge	72	39234.30	2.1	104.7	Pulse	0.1000	3
He	In	115	39786.85	0.5	104.2	Pulse	0.1000	3
He	Tb	159	207056.30	0.9	105.8	Pulse	0.1000	3
He	Bi	209	188215.10	0.5	104.9	Pulse	0.1000	3

No Gas



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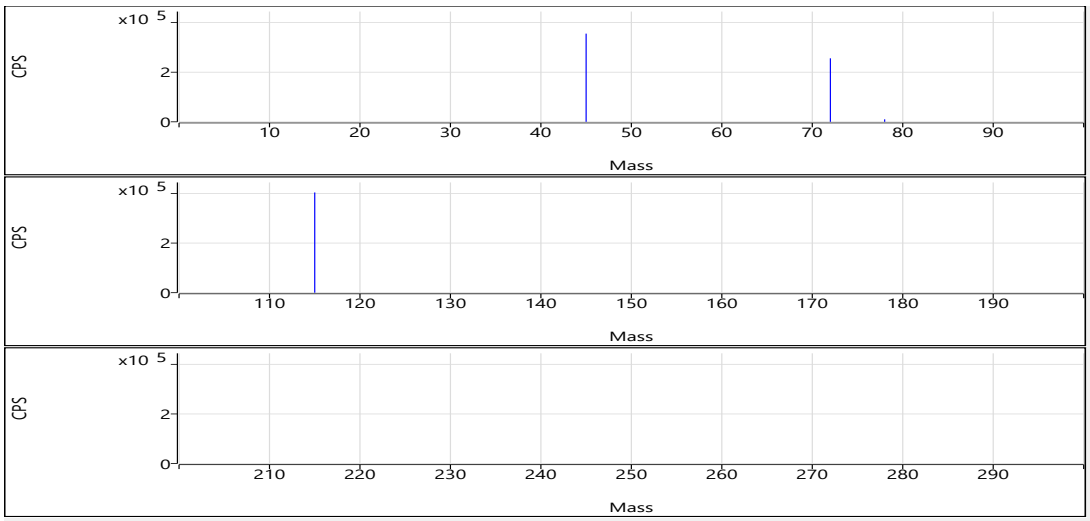
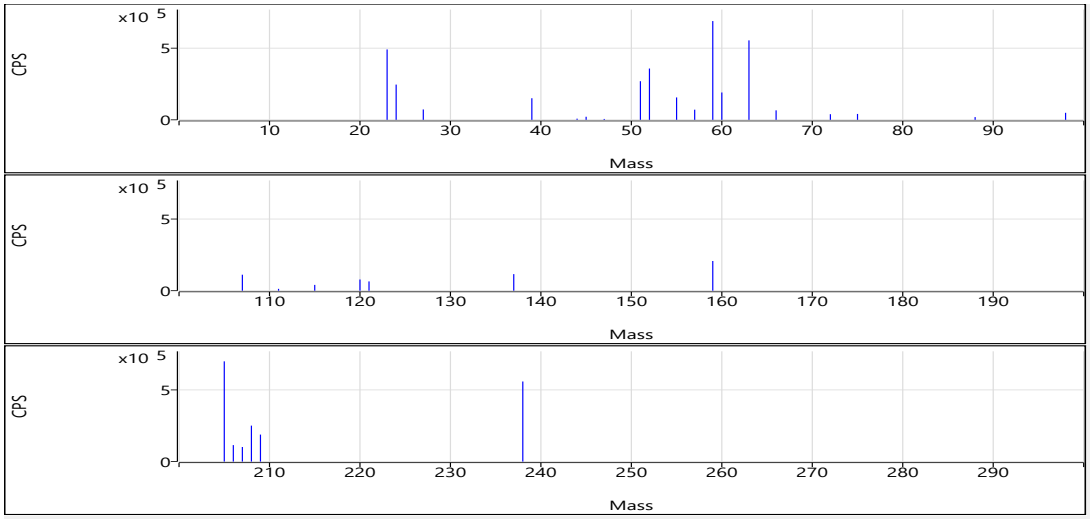


Quantitation Report

He



Quantitation Report

Data File Name	074SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:09:44
Sample Name	LCS 410-655766/2-A
Sample Type	Sample
Comment	F4
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

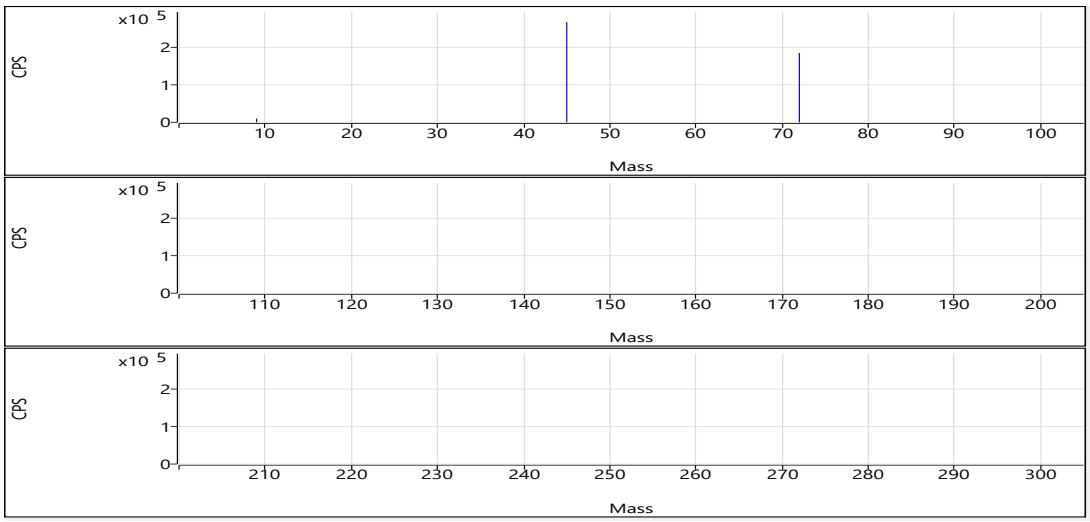
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.014	ppb	0.7	9945.32	0.0371	Pulse	0.5000	3
Se	78	72	H2	95.995	ppb	0.4	9960.33	0.0393	Pulse	1.5000	3
Na	23	72	He	4761.663	ppb	0.3	492043.63	12.5841	Pulse	0.1000	3
Mg	24	72	He	4602.365	ppb	0.9	242575.36	6.2039	Pulse	0.1000	3
Al	27	72	He	4615.913	ppb	2.0	72764.70	1.8610	Pulse	0.1000	3
K	39	72	He	4851.816	ppb	0.8	149162.15	3.8148	Pulse	0.1000	3
Ca	44	72	He	4678.106	ppb	2.9	8079.16	0.2066	Pulse	0.1000	3
Ti	47	45	He	490.146	ppb	3.8	6441.68	0.3041	Pulse	0.1000	3
V	51	72	He	470.757	ppb	0.3	267705.24	6.8466	Pulse	0.5000	3
Cr	52	72	He	472.184	ppb	1.4	355993.71	9.1049	Pulse	0.1000	3
Mn	55	72	He	467.823	ppb	0.7	155589.28	3.9793	Pulse	0.1000	3
Fe	57	72	He	4598.082	ppb	0.7	70983.52	1.8154	Pulse	0.1000	3
Co	59	72	He	474.492	ppb	0.3	685242.93	17.5251	Pulse	0.1000	3
Ni	60	159	He	471.181	ppb	1.0	189110.90	0.9122	Pulse	0.1000	3
Cu	63	72	He	475.213	ppb	0.8	544657.25	13.9300	Pulse	0.1000	3
Zn	66	72	He	484.381	ppb	1.2	66071.23	1.6897	Pulse	0.1000	3
As	75	115	He	474.435	ppb	2.0	40590.93	1.0284	Pulse	0.5000	3
Sr	88	115	He	47.539	ppb	4.5	19053.34	0.4829	Pulse	0.1000	3
Mo	98	159	He	46.474	ppb	0.6	48707.63	0.2349	Pulse	0.1000	3
Ag	107	115	He	47.482	ppb	1.2	110008.07	2.7866	Pulse	0.1000	3
Cd	111	115	He	46.981	ppb	1.9	12609.03	0.3194	Pulse	0.5000	3
Sn	120	159	He	93.275	ppb	1.3	78273.04	0.3776	Pulse	0.1000	3
Sb	121	209	He	90.967	ppb	0.7	63695.86	0.3397	Pulse	0.1000	3
Ba	137	159	He	484.419	ppb	1.4	116196.72	0.5605	Pulse	0.1000	3
Tl	205	209	He	96.669	ppb	0.9	698997.62	3.7277	Pulse	0.1000	3
Pb	208	209	He	48.380	ppb	1.2	462592.43	2.4670	Pulse	0.1000	3
U	238	209	He	47.375	ppb	1.3	550789.92	2.9373	Pulse	0.1000	3

ISTD Table:

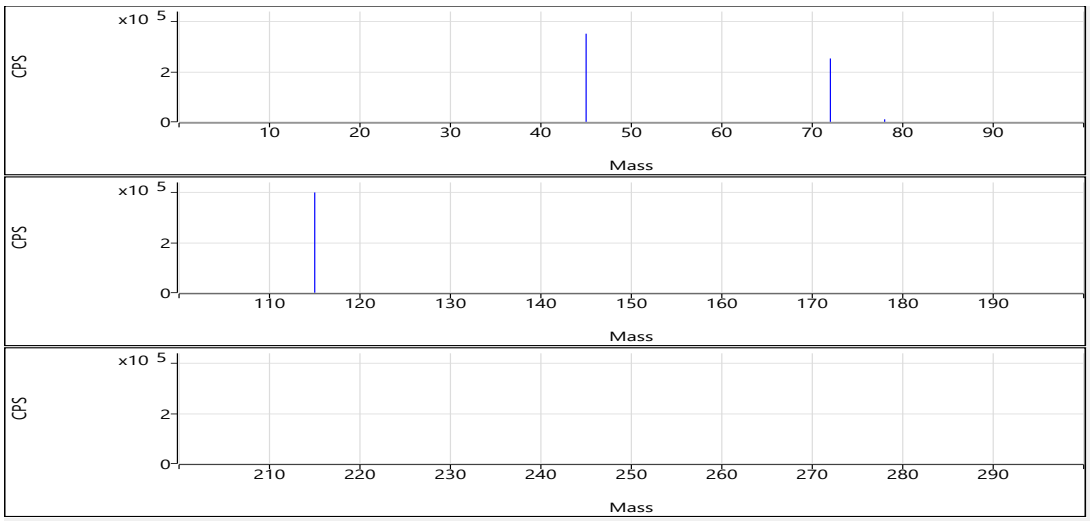
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	268249.31	0.9	115.8	Pulse	0.1000	3
No Gas	Ge	72	185370.71	1.5	112.4	Pulse	0.1000	3
H2	Sc	45	352931.21	0.8	103.4	Pulse	0.1000	3
H2	Ge	72	253727.00	0.5	103.3	Pulse	0.1000	3
H2	In	115	401461.17	0.3	102.9	Pulse	0.1000	3
He	Sc	45	21179.30	0.6	107.2	Pulse	0.1000	3
He	Ge	72	39100.62	0.5	104.4	Pulse	0.1000	3
He	In	115	39484.30	2.6	103.4	Pulse	0.1000	3
He	Tb	159	207314.27	0.3	105.9	Pulse	0.1000	3
He	Bi	209	187523.38	0.7	104.5	Pulse	0.1000	3

No Gas

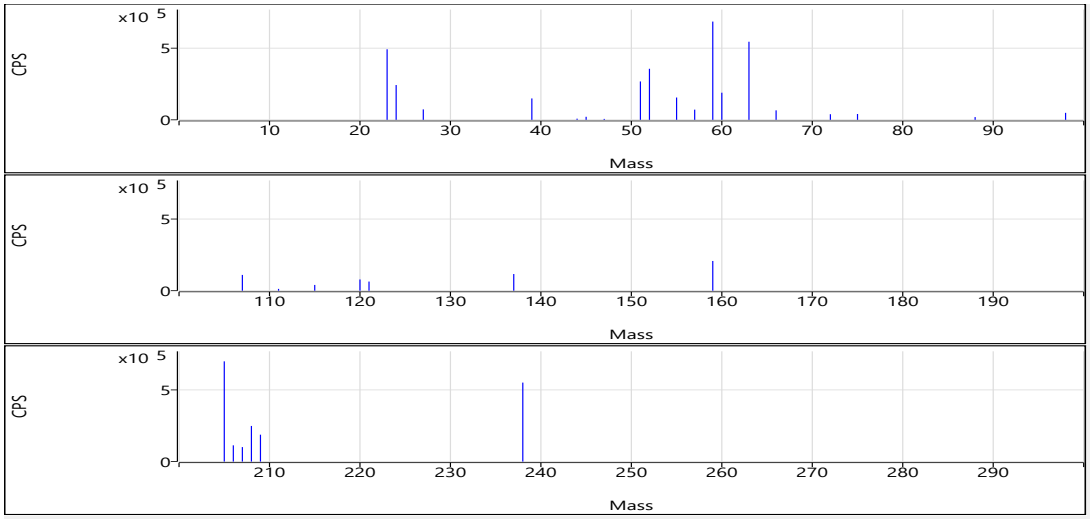


H2



Quantitation Report

He



Quantitation Report

Data File Name	075SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:11:55
Sample Name	LCS 410-654501/2-A
Sample Type	Sample
Comment	A18
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

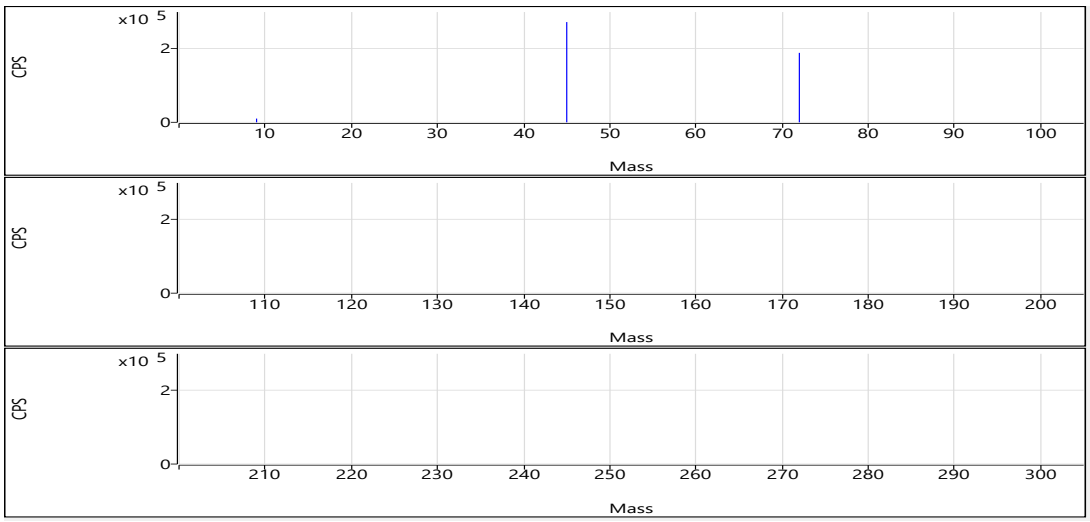
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.875	ppb	1.4	10094.75	0.0370	Pulse	0.5000	3
Se	78	72	H2	95.735	ppb	0.7	9924.09	0.0391	Pulse	1.5000	3
Na	23	72	He	4785.839	ppb	1.4	484552.26	12.6472	Pulse	0.1000	3
Mg	24	72	He	4718.803	ppb	1.2	243698.38	6.3606	Pulse	0.1000	3
Al	27	72	He	4613.633	ppb	1.9	71264.91	1.8601	Pulse	0.1000	3
K	39	72	He	4861.168	ppb	1.3	146427.69	3.8219	Pulse	0.1000	3
Ca	44	72	He	4786.713	ppb	3.3	8099.21	0.2114	Pulse	0.1000	3
Ti	47	45	He	479.472	ppb	5.8	6418.29	0.2975	Pulse	0.1000	3
V	51	72	He	474.049	ppb	0.4	264156.50	6.8944	Pulse	0.5000	3
Cr	52	72	He	476.382	ppb	1.3	351927.66	9.1855	Pulse	0.1000	3
Mn	55	72	He	474.844	ppb	1.3	154744.59	4.0389	Pulse	0.1000	3
Fe	57	72	He	4675.697	ppb	0.5	70728.73	1.8460	Pulse	0.1000	3
Co	59	72	He	481.982	ppb	1.1	682044.89	17.8017	Pulse	0.1000	3
Ni	60	159	He	469.319	ppb	1.6	187958.66	0.9086	Pulse	0.1000	3
Cu	63	72	He	482.285	ppb	1.0	541649.43	14.1373	Pulse	0.1000	3
Zn	66	72	He	490.794	ppb	0.5	65596.09	1.7120	Pulse	0.1000	3
As	75	115	He	471.110	ppb	3.0	40282.09	1.0212	Pulse	0.5000	3
Sr	88	115	He	46.628	ppb	4.5	18679.46	0.4737	Pulse	0.1000	3
Mo	98	159	He	46.219	ppb	1.9	48343.13	0.2337	Pulse	0.1000	3
Ag	107	115	He	47.304	ppb	2.1	109534.69	2.7762	Pulse	0.1000	3
Cd	111	115	He	46.239	ppb	3.1	12401.50	0.3144	Pulse	0.5000	3
Sn	120	159	He	92.611	ppb	1.3	77579.36	0.3750	Pulse	0.1000	3
Sb	121	209	He	94.488	ppb	1.0	66308.16	0.3528	Pulse	0.1000	3
Ba	137	159	He	475.019	ppb	1.5	113702.63	0.5496	Pulse	0.1000	3
Tl	205	209	He	95.235	ppb	0.6	690185.67	3.6724	Pulse	0.1000	3
Pb	208	209	He	47.987	ppb	0.3	459884.39	2.4470	Pulse	0.1000	3
U	238	209	He	47.002	ppb	0.4	547702.53	2.9142	Pulse	0.1000	3

ISTD Table:

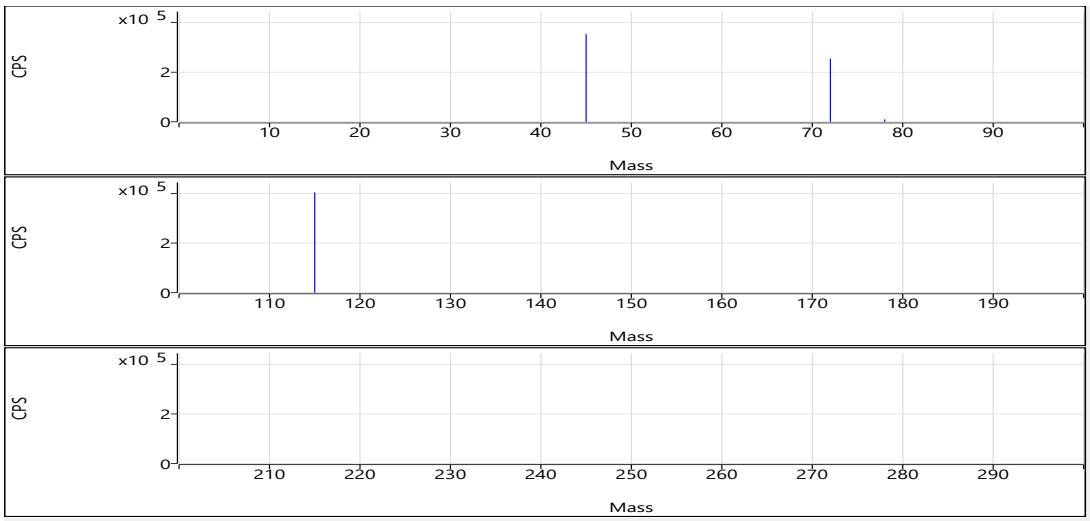
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	273045.70	1.9	117.9	Pulse	0.1000	3
No Gas	Ge	72	189185.95	1.9	114.7	Pulse	0.1000	3
H2	Sc	45	353031.77	0.5	103.4	Pulse	0.1000	3
H2	Ge	72	253489.73	0.4	103.2	Pulse	0.1000	3
H2	In	115	403629.73	0.6	103.5	Pulse	0.1000	3
He	Sc	45	21593.15	2.6	109.3	Pulse	0.1000	3
He	Ge	72	38315.11	0.6	102.3	Pulse	0.1000	3
He	In	115	39466.51	2.6	103.4	Pulse	0.1000	3
He	Tb	159	206877.81	0.6	105.7	Pulse	0.1000	3
He	Bi	209	187941.62	0.2	104.7	Pulse	0.1000	3

No Gas

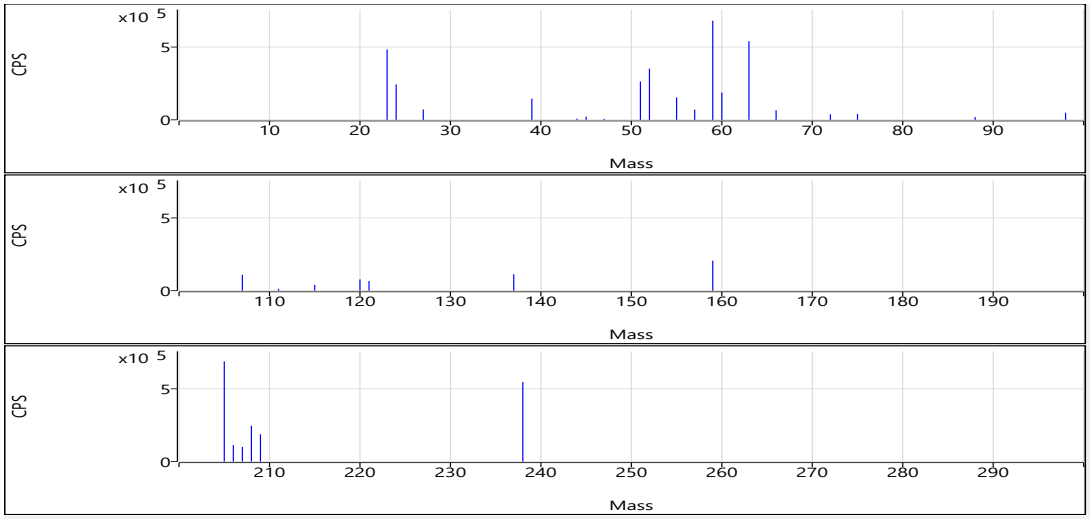


H2



Quantitation Report

He



Quantitation Report

Data File Name	076SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:14:05
Sample Name	LCS 410-654484/2-A
Sample Type	Sample
Comment	MS-C9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

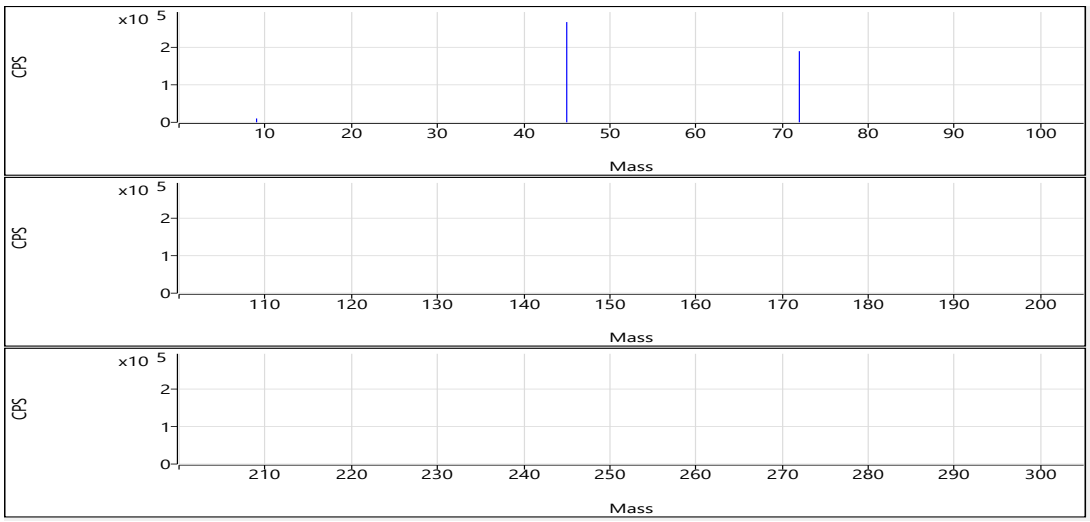
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	51.550	ppb	2.2	10174.16	0.0382	Pulse	0.5000	3
Se	78	72	H2	96.264	ppb	1.3	10016.58	0.0394	Pulse	1.5000	3
Na	23	72	He	4793.881	ppb	1.9	486465.27	12.6682	Pulse	0.1000	3
Mg	24	72	He	4739.595	ppb	2.0	245315.22	6.3886	Pulse	0.1000	3
Al	27	72	He	4684.949	ppb	2.0	72530.23	1.8888	Pulse	0.1000	3
K	39	72	He	4920.697	ppb	3.3	148447.92	3.8667	Pulse	0.1000	3
Ca	44	72	He	4894.532	ppb	1.9	8302.64	0.2161	Pulse	0.1000	3
Ti	47	45	He	476.798	ppb	6.6	6271.53	0.2959	Pulse	0.1000	3
V	51	72	He	478.615	ppb	2.4	267265.92	6.9606	Pulse	0.5000	3
Cr	52	72	He	479.769	ppb	2.5	355179.54	9.2505	Pulse	0.1000	3
Mn	55	72	He	480.164	ppb	2.7	156808.68	4.0842	Pulse	0.1000	3
Fe	57	72	He	4659.079	ppb	2.1	70631.26	1.8394	Pulse	0.1000	3
Co	59	72	He	484.696	ppb	3.0	687310.36	17.9020	Pulse	0.1000	3
Ni	60	159	He	483.046	ppb	0.9	191217.51	0.9351	Pulse	0.1000	3
Cu	63	72	He	486.019	ppb	2.5	547011.23	14.2467	Pulse	0.1000	3
Zn	66	72	He	497.238	ppb	1.7	66610.45	1.7345	Pulse	0.1000	3
As	75	115	He	476.088	ppb	1.7	40464.58	1.0320	Pulse	0.5000	3
Sr	88	115	He	47.685	ppb	1.6	18993.23	0.4844	Pulse	0.1000	3
Mo	98	159	He	47.399	ppb	1.6	48998.86	0.2396	Pulse	0.1000	3
Ag	107	115	He	47.898	ppb	2.4	110220.44	2.8111	Pulse	0.1000	3
Cd	111	115	He	48.577	ppb	3.4	12948.69	0.3303	Pulse	0.5000	3
Sn	120	159	He	97.039	ppb	1.1	80197.26	0.3922	Pulse	0.1000	3
Sb	121	209	He	99.634	ppb	1.7	69124.98	0.3720	Pulse	0.1000	3
Ba	137	159	He	487.392	ppb	1.2	115322.29	0.5639	Pulse	0.1000	3
Tl	205	209	He	97.533	ppb	0.2	698765.53	3.7610	Pulse	0.1000	3
Pb	208	209	He	48.438	ppb	1.1	458879.20	2.4699	Pulse	0.1000	3
U	238	209	He	48.137	ppb	0.8	554506.14	2.9846	Pulse	0.1000	3

ISTD Table:

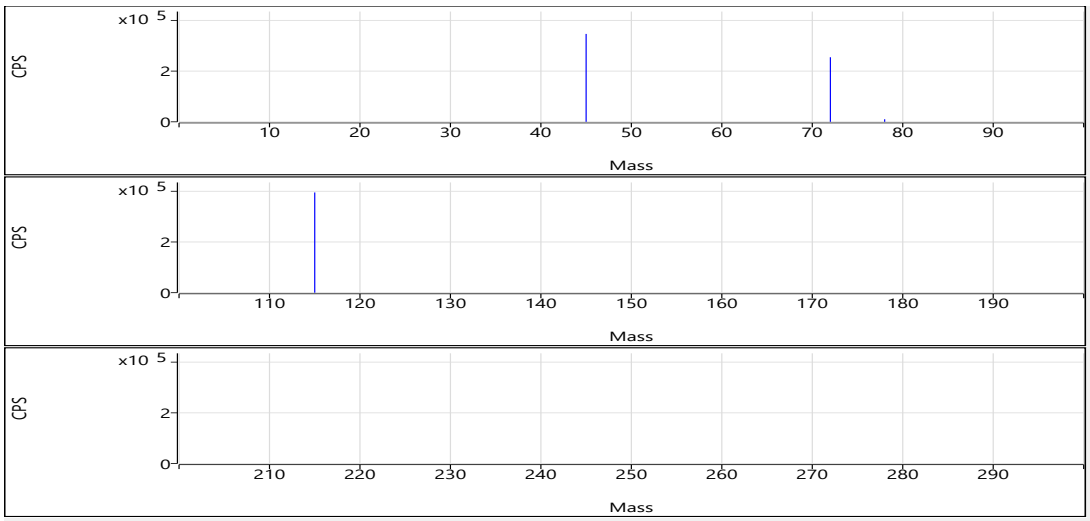
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	266268.65	1.5	115.0	Pulse	0.1000	3
No Gas	Ge	72	188961.54	0.6	114.6	Pulse	0.1000	3
H2	Sc	45	346344.84	0.8	101.4	Pulse	0.1000	3
H2	Ge	72	254438.82	0.8	103.6	Pulse	0.1000	3
H2	In	115	394922.51	0.9	101.2	Pulse	0.1000	3
He	Sc	45	21215.90	2.2	107.4	Pulse	0.1000	3
He	Ge	72	38411.88	2.5	102.5	Pulse	0.1000	3
He	In	115	39218.72	1.7	102.7	Pulse	0.1000	3
He	Tb	159	204503.79	1.2	104.5	Pulse	0.1000	3
He	Bi	209	185794.56	0.6	103.5	Pulse	0.1000	3

No Gas

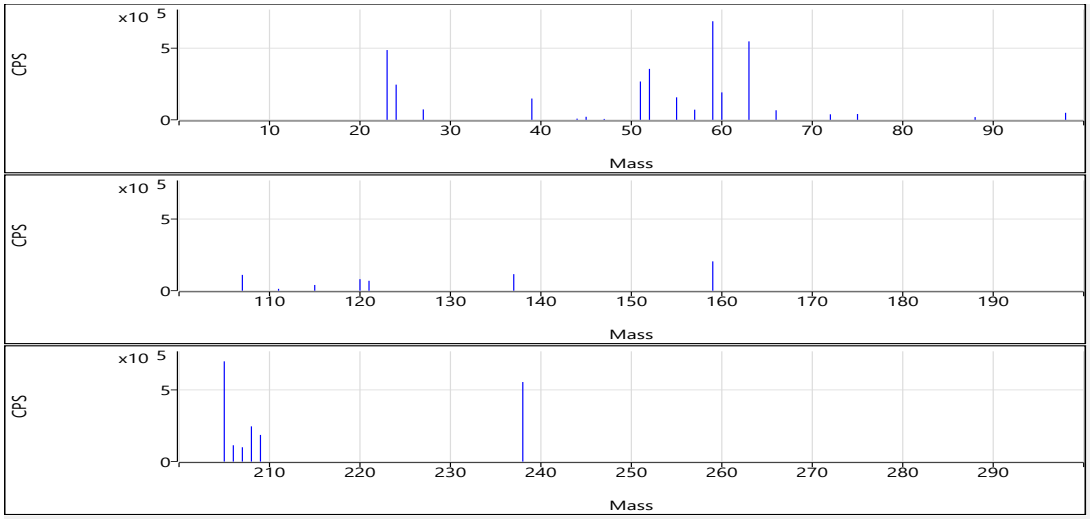


H2



Quantitation Report

He



Quantitation Report

Data File Name	079SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:20:39
Sample Name	LCS 410-653755/2-A
Sample Type	Sample
Comment	D19
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

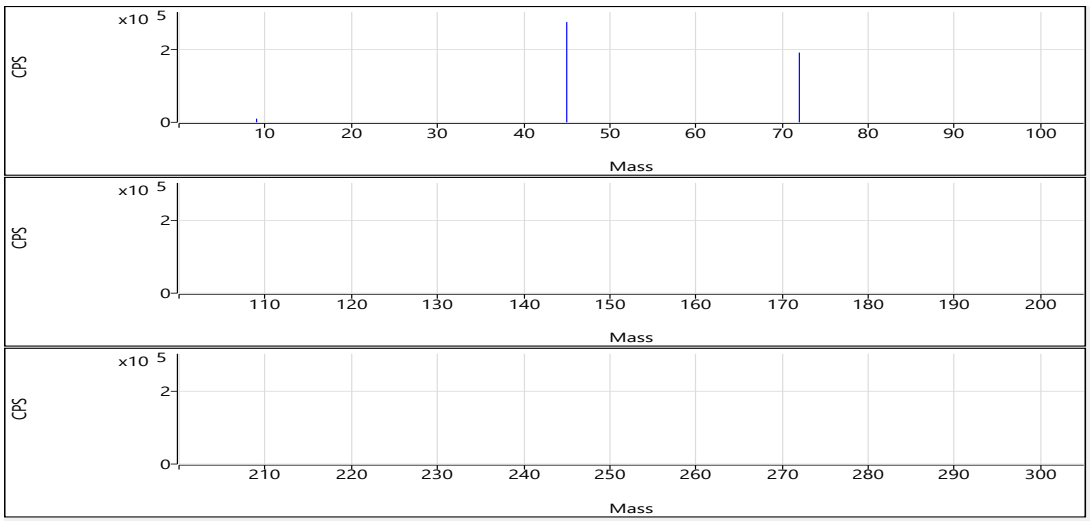
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.020	ppb	2.3	9980.68	0.0363	Pulse	0.5000	3
Se	78	72	H2	94.674	ppb	1.2	10120.89	0.0387	Pulse	1.5000	3
Na	23	72	He	4618.614	ppb	1.8	486735.24	12.2105	Pulse	0.1000	3
Mg	24	72	He	4577.517	ppb	1.4	245978.75	6.1704	Pulse	0.1000	3
Al	27	72	He	4510.758	ppb	2.1	72497.08	1.8186	Pulse	0.1000	3
K	39	72	He	4786.141	ppb	1.9	150094.91	3.7653	Pulse	0.1000	3
Ca	44	72	He	4663.869	ppb	4.5	8209.29	0.2060	Pulse	0.1000	3
Ti	47	45	He	457.176	ppb	3.6	6248.21	0.2837	Pulse	0.1000	3
V	51	72	He	462.806	ppb	2.0	268319.18	6.7313	Pulse	0.5000	3
Cr	52	72	He	464.054	ppb	1.7	356720.15	8.9488	Pulse	0.1000	3
Mn	55	72	He	456.536	ppb	3.1	154775.00	3.8833	Pulse	0.1000	3
Fe	57	72	He	4502.854	ppb	3.0	70859.76	1.7778	Pulse	0.1000	3
Co	59	72	He	465.998	ppb	1.6	686094.91	17.2115	Pulse	0.1000	3
Ni	60	159	He	468.769	ppb	0.6	189607.43	0.9075	Pulse	0.1000	3
Cu	63	72	He	470.383	ppb	2.5	549592.63	13.7885	Pulse	0.1000	3
Zn	66	72	He	483.479	ppb	2.6	67226.47	1.6866	Pulse	0.1000	3
As	75	115	He	477.314	ppb	1.3	41231.40	1.0346	Pulse	0.5000	3
Sr	88	115	He	46.345	ppb	3.2	18759.57	0.4708	Pulse	0.1000	3
Mo	98	159	He	45.812	ppb	1.6	48390.16	0.2316	Pulse	0.1000	3
Ag	107	115	He	47.868	ppb	1.2	111955.61	2.8093	Pulse	0.1000	3
Cd	111	115	He	47.434	ppb	2.4	12851.92	0.3225	Pulse	0.5000	3
Sn	120	159	He	91.994	ppb	1.1	77843.44	0.3726	Pulse	0.1000	3
Sb	121	209	He	94.601	ppb	1.9	67627.74	0.3532	Pulse	0.1000	3
Ba	137	159	He	477.008	ppb	0.9	115315.62	0.5519	Pulse	0.1000	3
Tl	205	209	He	94.579	ppb	0.7	698226.76	3.6471	Pulse	0.1000	3
Pb	208	209	He	47.303	ppb	0.7	461781.00	2.4121	Pulse	0.1000	3
U	238	209	He	46.181	ppb	0.8	548174.17	2.8633	Pulse	0.1000	3

ISTD Table:

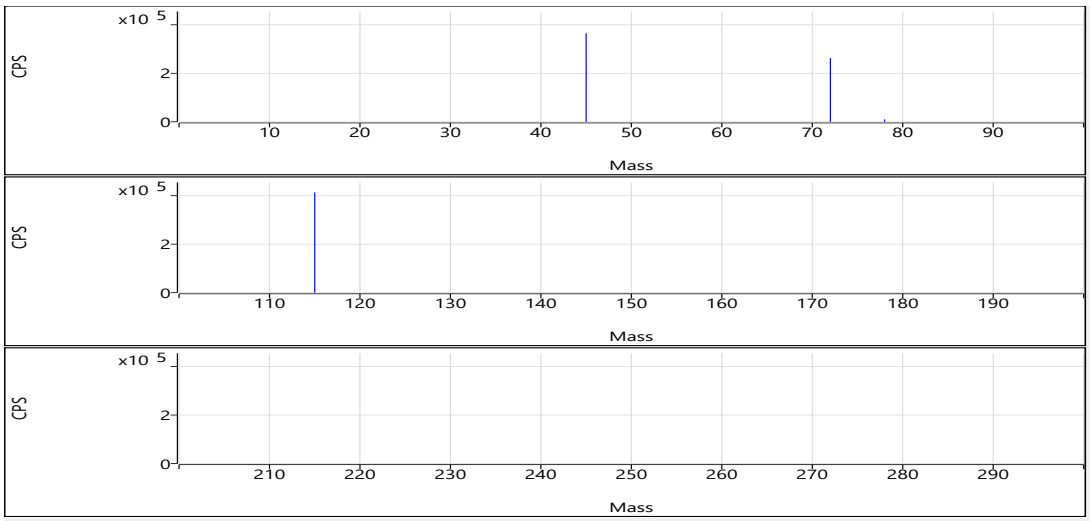
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	274724.00	2.0	118.6	Pulse	0.1000	3
No Gas	Ge	72	191048.43	1.4	115.9	Pulse	0.1000	3
H2	Sc	45	363512.15	0.4	106.5	Pulse	0.1000	3
H2	Ge	72	261425.11	1.0	106.5	Pulse	0.1000	3
H2	In	115	411042.17	0.4	105.4	Pulse	0.1000	3
He	Sc	45	22020.46	3.0	111.5	Pulse	0.1000	3
He	Ge	72	39869.40	1.6	106.4	Pulse	0.1000	3
He	In	115	39855.36	1.1	104.4	Pulse	0.1000	3
He	Tb	159	208926.02	0.5	106.8	Pulse	0.1000	3
He	Bi	209	191445.42	0.2	106.7	Pulse	0.1000	3

No Gas

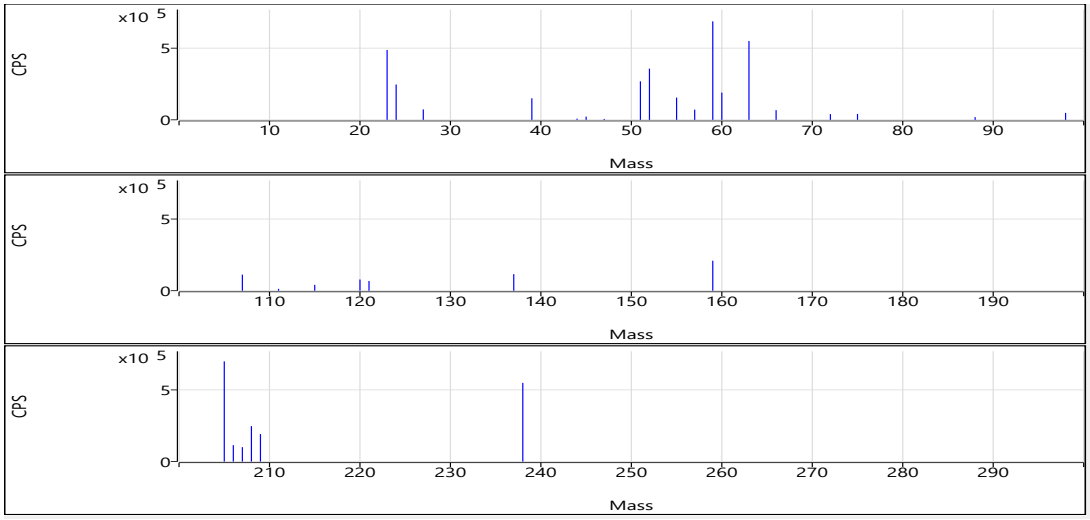


H2



Quantitation Report

He



Quantitation Report

Data File Name	080SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:22:49
Sample Name	LCS 410-654341/2-A
Sample Type	Sample
Comment	C7
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

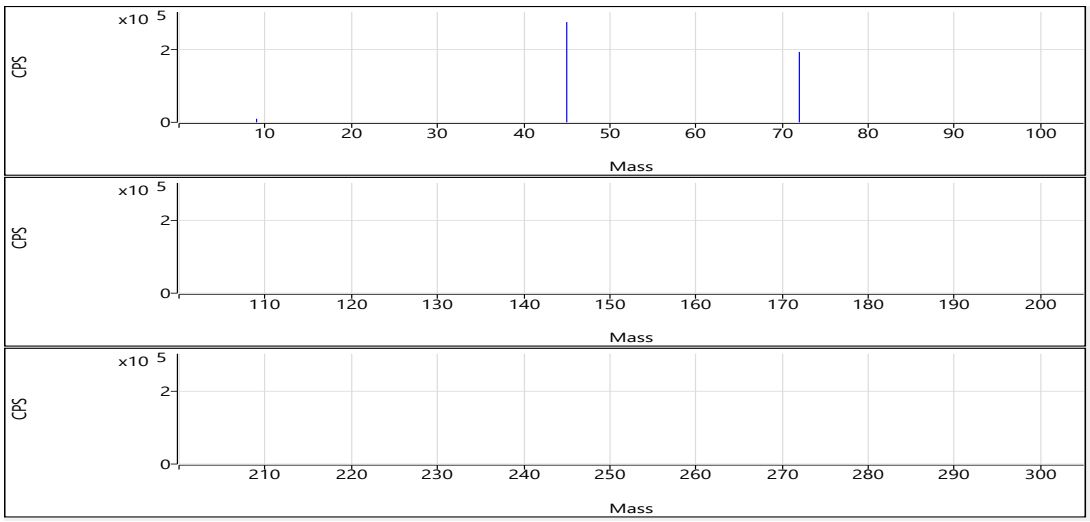
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.560	ppb	1.1	9697.16	0.0353	Pulse	0.5000	3
Se	78	72	H2	90.927	ppb	2.1	9648.34	0.0372	Pulse	1.5000	3
Na	23	72	He	4552.130	ppb	1.3	474460.16	12.0369	Pulse	0.1000	3
Mg	24	72	He	4439.680	ppb	1.1	235909.77	5.9849	Pulse	0.1000	3
Al	27	72	He	4457.476	ppb	1.4	70845.63	1.7972	Pulse	0.1000	3
K	39	72	He	4744.965	ppb	1.9	147192.58	3.7343	Pulse	0.1000	3
Ca	44	72	He	4634.497	ppb	5.6	8065.80	0.2047	Pulse	0.1000	3
Ti	47	45	He	479.510	ppb	5.4	6411.60	0.2976	Pulse	0.1000	3
V	51	72	He	452.782	ppb	1.2	259596.28	6.5859	Pulse	0.5000	3
Cr	52	72	He	454.071	ppb	2.2	345153.29	8.7572	Pulse	0.1000	3
Mn	55	72	He	451.351	ppb	2.0	151321.40	3.8392	Pulse	0.1000	3
Fe	57	72	He	4484.522	ppb	0.9	69797.65	1.7706	Pulse	0.1000	3
Co	59	72	He	457.938	ppb	1.8	666661.42	16.9138	Pulse	0.1000	3
Ni	60	159	He	455.095	ppb	0.5	184529.21	0.8811	Pulse	0.1000	3
Cu	63	72	He	459.125	ppb	1.9	530468.34	13.4586	Pulse	0.1000	3
Zn	66	72	He	472.695	ppb	1.3	64999.88	1.6490	Pulse	0.1000	3
As	75	115	He	455.833	ppb	0.7	39632.26	0.9881	Pulse	0.5000	3
Sr	88	115	He	45.785	ppb	0.2	18656.09	0.4651	Pulse	0.1000	3
Mo	98	159	He	44.988	ppb	1.6	47634.02	0.2274	Pulse	0.1000	3
Ag	107	115	He	46.133	ppb	0.1	108596.94	2.7075	Pulse	0.1000	3
Cd	111	115	He	45.740	ppb	2.9	12472.89	0.3110	Pulse	0.5000	3
Sn	120	159	He	90.065	ppb	0.8	76459.90	0.3651	Pulse	0.1000	3
Sb	121	209	He	89.173	ppb	0.4	63290.95	0.3330	Pulse	0.1000	3
Ba	137	159	He	457.716	ppb	1.5	110920.13	0.5296	Pulse	0.1000	3
Tl	205	209	He	91.698	ppb	0.5	672110.59	3.5360	Pulse	0.1000	3
Pb	208	209	He	46.045	ppb	0.3	446297.97	2.3480	Pulse	0.1000	3
U	238	209	He	45.268	ppb	0.2	533485.17	2.8067	Pulse	0.1000	3

ISTD Table:

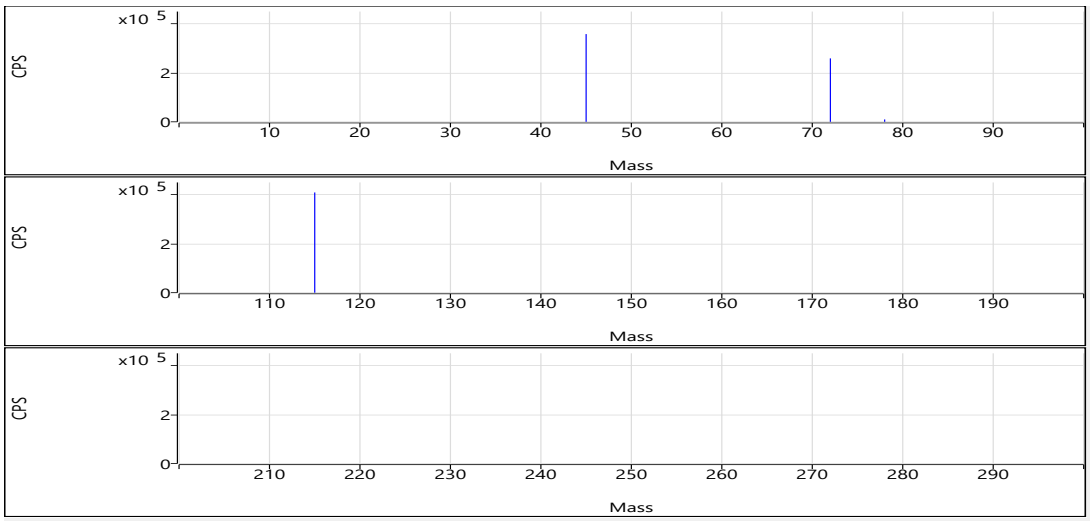
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	275049.48	1.2	118.8	Pulse	0.1000	3
No Gas	Ge	72	193109.16	2.2	117.1	Pulse	0.1000	3
H2	Sc	45	358907.69	0.4	105.1	Pulse	0.1000	3
H2	Ge	72	259481.15	0.8	105.7	Pulse	0.1000	3
H2	In	115	410038.11	0.2	105.1	Pulse	0.1000	3
He	Sc	45	21556.49	4.0	109.1	Pulse	0.1000	3
He	Ge	72	39421.21	1.3	105.2	Pulse	0.1000	3
He	In	115	40109.99	0.7	105.1	Pulse	0.1000	3
He	Tb	159	209430.18	0.4	107.0	Pulse	0.1000	3
He	Bi	209	190076.38	0.2	105.9	Pulse	0.1000	3

No Gas

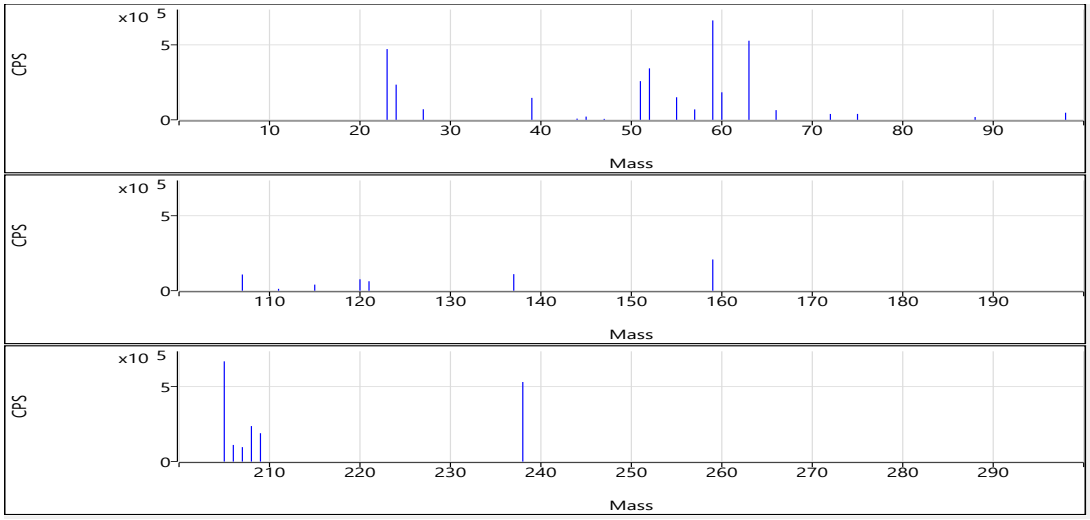


H2



Quantitation Report

He



Quantitation Report

Data File Name	081SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:25:00
Sample Name	LCS 410-653413/2-A
Sample Type	Sample
Comment	I16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

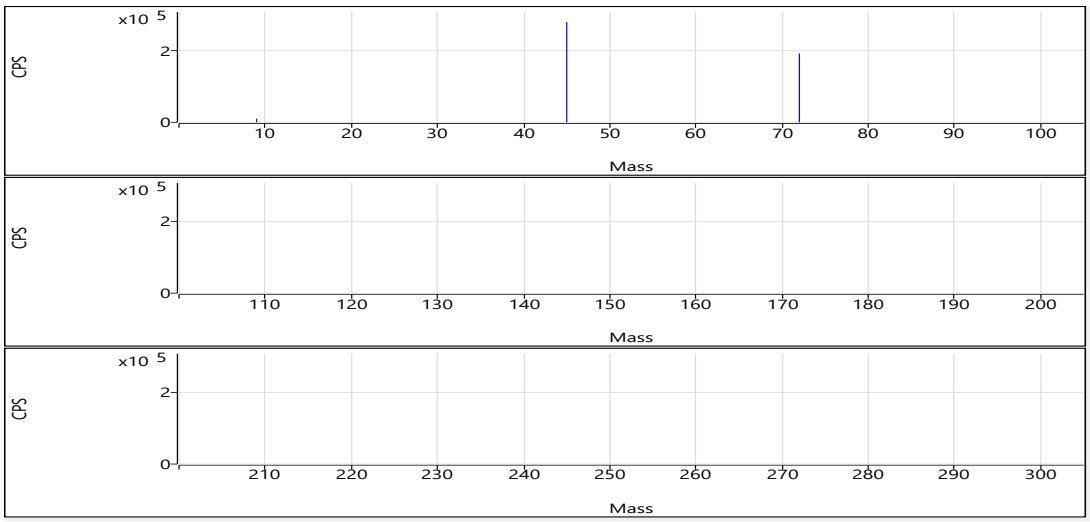
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.622	ppb	1.5	10034.05	0.0360	Pulse	0.5000	3
Se	78	72	H2	95.385	ppb	1.2	10064.18	0.0390	Pulse	1.5000	3
Na	23	72	He	4701.923	ppb	1.3	484237.65	12.4281	Pulse	0.1000	3
Mg	24	72	He	4585.771	ppb	0.8	240859.69	6.1815	Pulse	0.1000	3
Al	27	72	He	4576.987	ppb	1.0	71901.13	1.8453	Pulse	0.1000	3
K	39	72	He	4896.733	ppb	1.3	149960.32	3.8487	Pulse	0.1000	3
Ca	44	72	He	4694.919	ppb	1.0	8079.17	0.2073	Pulse	0.1000	3
Ti	47	45	He	455.754	ppb	3.2	6071.46	0.2829	Pulse	0.1000	3
V	51	72	He	472.378	ppb	1.1	267685.24	6.8702	Pulse	0.5000	3
Cr	52	72	He	469.981	ppb	1.4	353105.62	9.0626	Pulse	0.1000	3
Mn	55	72	He	469.516	ppb	1.8	155600.50	3.9936	Pulse	0.1000	3
Fe	57	72	He	4585.397	ppb	1.8	70534.92	1.8104	Pulse	0.1000	3
Co	59	72	He	475.655	ppb	0.8	684529.86	17.5681	Pulse	0.1000	3
Ni	60	159	He	470.892	ppb	1.6	188876.81	0.9116	Pulse	0.1000	3
Cu	63	72	He	477.030	ppb	0.8	544847.60	13.9833	Pulse	0.1000	3
Zn	66	72	He	486.330	ppb	2.4	66094.61	1.6965	Pulse	0.1000	3
As	75	115	He	466.972	ppb	2.1	40530.81	1.0122	Pulse	0.5000	3
Sr	88	115	He	45.621	ppb	2.7	18555.98	0.4635	Pulse	0.1000	3
Mo	98	159	He	45.008	ppb	1.5	47145.84	0.2275	Pulse	0.1000	3
Ag	107	115	He	47.312	ppb	2.4	111176.43	2.7767	Pulse	0.1000	3
Cd	111	115	He	46.811	ppb	3.4	12742.49	0.3183	Pulse	0.5000	3
Sn	120	159	He	92.252	ppb	1.3	77404.98	0.3736	Pulse	0.1000	3
Sb	121	209	He	96.359	ppb	2.6	67932.63	0.3598	Pulse	0.1000	3
Ba	137	159	He	478.688	ppb	0.6	114767.54	0.5539	Pulse	0.1000	3
Tl	205	209	He	95.136	ppb	0.6	692707.88	3.6685	Pulse	0.1000	3
Pb	208	209	He	47.445	ppb	0.8	456833.50	2.4193	Pulse	0.1000	3
U	238	209	He	46.544	ppb	0.5	544920.97	2.8858	Pulse	0.1000	3

ISTD Table:

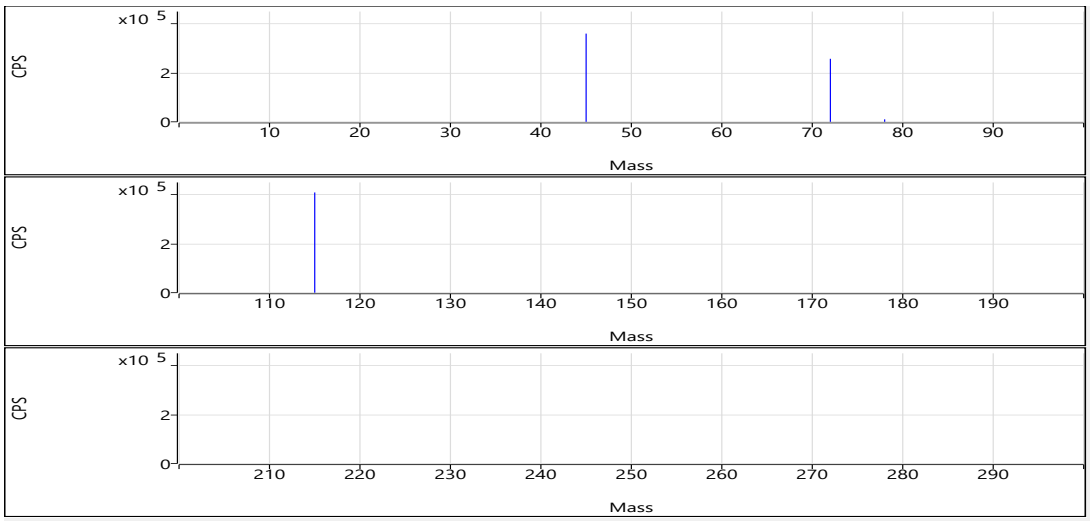
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	278334.15	1.6	120.2	Pulse	0.1000	3
No Gas	Ge	72	191126.04	1.5	115.9	Pulse	0.1000	3
H2	Sc	45	361077.18	0.8	105.7	Pulse	0.1000	3
H2	Ge	72	258014.81	0.7	105.1	Pulse	0.1000	3
H2	In	115	410307.74	1.3	105.2	Pulse	0.1000	3
He	Sc	45	21466.38	0.5	108.7	Pulse	0.1000	3
He	Ge	72	38966.74	1.2	104.0	Pulse	0.1000	3
He	In	115	40052.87	2.2	104.9	Pulse	0.1000	3
He	Tb	159	207216.23	1.4	105.9	Pulse	0.1000	3
He	Bi	209	188825.94	0.6	105.2	Pulse	0.1000	3

No Gas

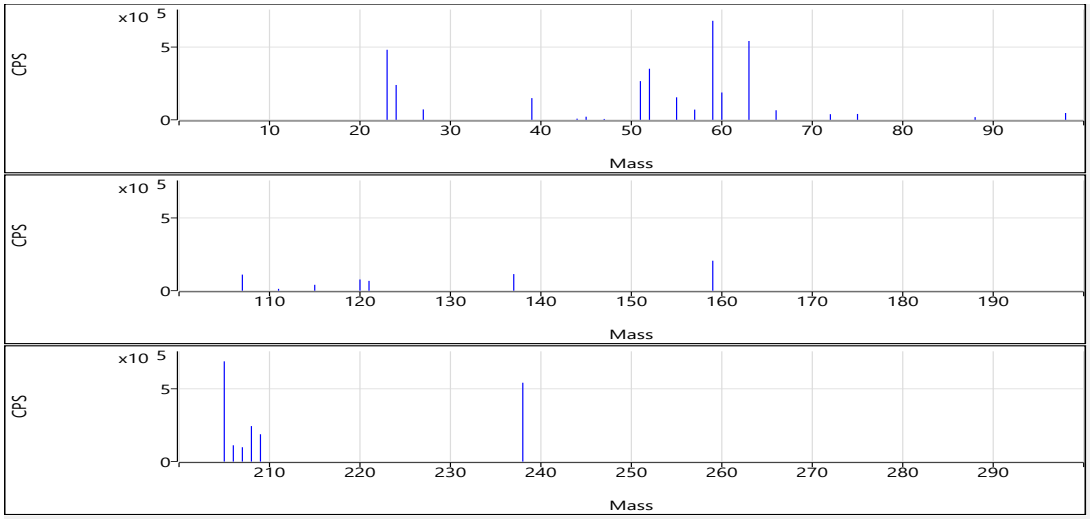


H2



Quantitation Report

He



Quantitation Report

Data File Name	085_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:33:39
Sample Name	CCV 7799630
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

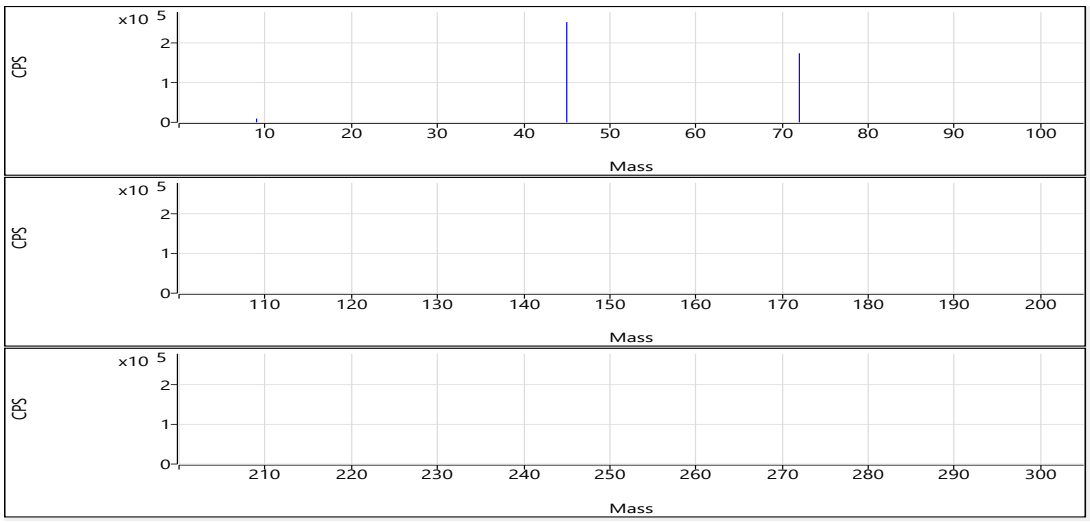
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.260	ppb	1.1	9467.69	0.0373	Pulse	0.5000	3
Se	78	72	H2	50.723	ppb	0.7	5129.59	0.0208	Pulse	1.5000	3
Na	23	72	He	5027.627	ppb	2.4	497737.92	13.2785	Pulse	0.1000	3
Mg	24	72	He	4972.395	ppb	2.2	251225.42	6.7019	Pulse	0.1000	3
Al	27	72	He	4935.617	ppb	3.2	74577.25	1.9898	Pulse	0.1000	3
K	39	72	He	5048.967	ppb	1.9	148582.23	3.9634	Pulse	0.1000	3
Ca	44	72	He	5072.415	ppb	4.0	8389.39	0.2239	Pulse	0.1000	3
Ti	47	45	He	4987.868	ppb	0.2	63006.30	3.0888	Pulse	0.1000	3
V	51	72	He	509.146	ppb	3.0	277493.75	7.4036	Pulse	0.5000	3
Cr	52	72	He	508.559	ppb	2.7	367449.54	9.8032	Pulse	0.1000	3
Mn	55	72	He	502.267	ppb	4.1	160091.86	4.2721	Pulse	0.1000	3
Fe	57	72	He	4886.842	ppb	2.7	72313.29	1.9292	Pulse	0.1000	3
Co	59	72	He	511.899	ppb	3.0	708624.03	18.9065	Pulse	0.1000	3
Ni	60	159	He	499.691	ppb	0.7	195334.31	0.9672	Pulse	0.1000	3
Cu	63	72	He	510.112	ppb	2.9	560443.34	14.9526	Pulse	0.1000	3
Zn	66	72	He	510.979	ppb	1.7	66817.92	1.7823	Pulse	0.1000	3
As	75	115	He	484.118	ppb	1.2	41461.34	1.0494	Pulse	0.5000	3
Sr	88	115	He	48.073	ppb	1.2	19293.56	0.4883	Pulse	0.1000	3
Mo	98	159	He	50.455	ppb	1.6	51511.22	0.2551	Pulse	0.1000	3
Ag	107	115	He	49.132	ppb	1.3	113927.37	2.8834	Pulse	0.1000	3
Cd	111	115	He	48.120	ppb	2.0	12926.66	0.3272	Pulse	0.5000	3
Sn	120	159	He	52.710	ppb	3.2	44411.53	0.2199	Pulse	0.1000	3
Sb	121	209	He	50.780	ppb	2.2	34994.71	0.1896	Pulse	0.1000	3
Ba	137	159	He	501.727	ppb	0.1	117235.14	0.5805	Pulse	0.1000	3
Tl	205	209	He	50.658	ppb	1.1	360499.03	1.9537	Pulse	0.1000	3
Pb	208	209	He	50.149	ppb	0.4	471858.74	2.5571	Pulse	0.1000	3
U	238	209	He	49.614	ppb	0.3	567627.56	3.0761	Pulse	0.1000	3

ISTD Table:

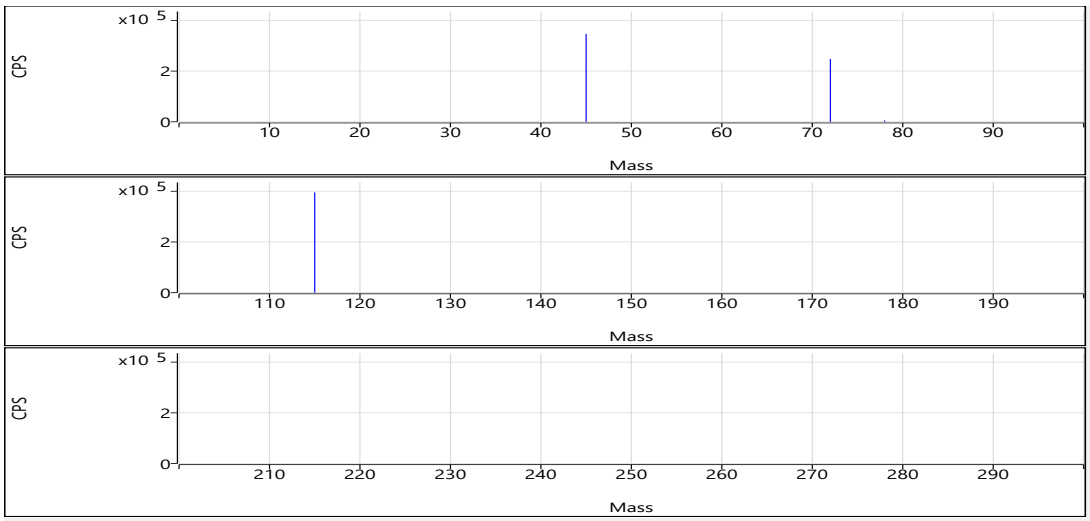
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	254133.27	2.1	109.7	Pulse	0.1000	3
No Gas	Ge	72	175016.89	1.6	106.2	Pulse	0.1000	3
H2	Sc	45	346202.89	0.1	101.4	Pulse	0.1000	3
H2	Ge	72	247175.04	0.3	100.7	Pulse	0.1000	3
H2	In	115	394826.98	1.0	101.2	Pulse	0.1000	3
He	Sc	45	20398.20	1.6	103.2	Pulse	0.1000	3
He	Ge	72	37499.75	2.6	100.1	Pulse	0.1000	3
He	In	115	39514.62	1.1	103.5	Pulse	0.1000	3
He	Tb	159	201949.14	0.4	103.2	Pulse	0.1000	3
He	Bi	209	184528.01	0.2	102.8	Pulse	0.1000	3

No Gas

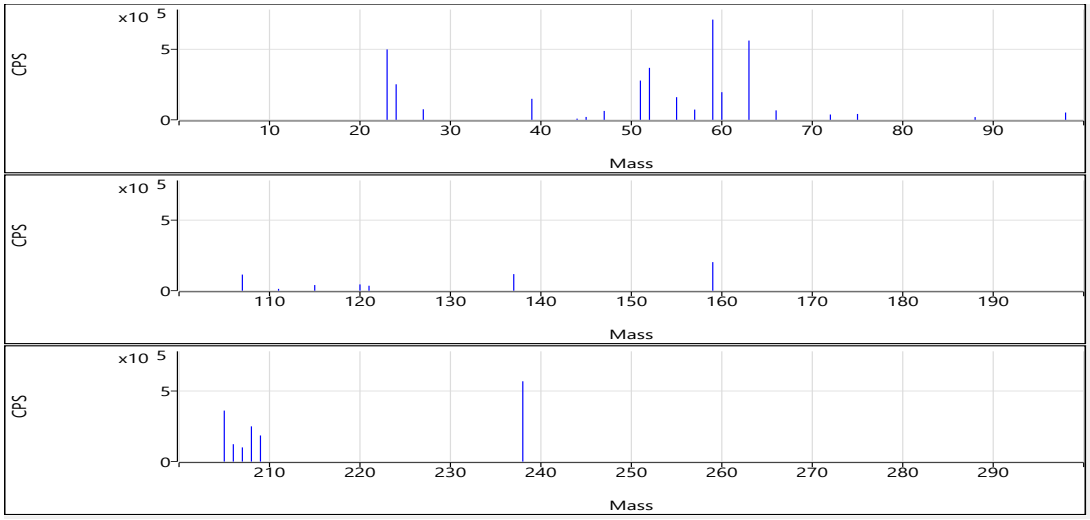


H2



Quantitation Report

He



Quantitation Report

Data File Name	087_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:37:59
Sample Name	CCB 7792565
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

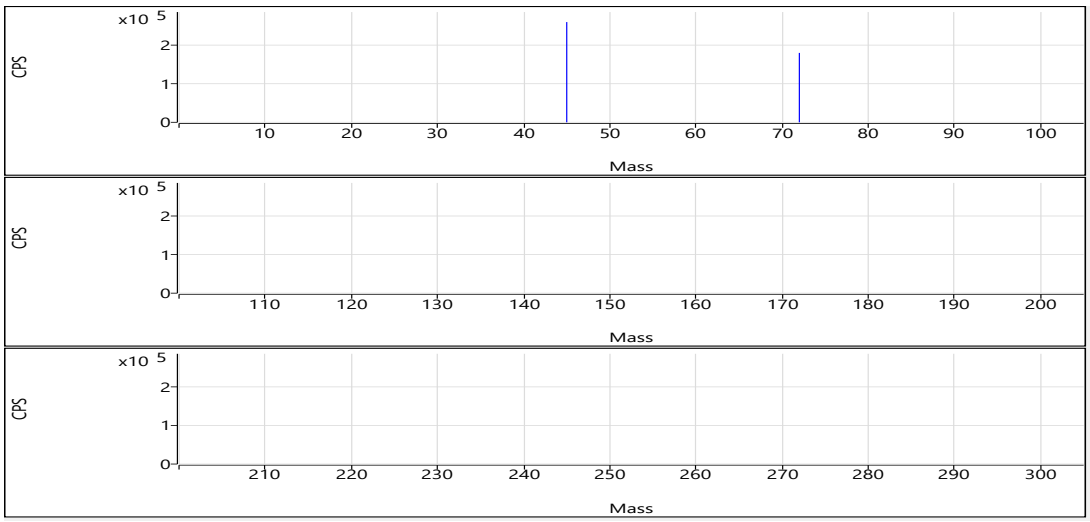
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.115	ppb	15.7	28.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.097	ppb	23.2	14.89	0.0001	Pulse	1.5000	3
Na	23	72	He	5.955	ppb	73.1	6251.52	0.1658	Pulse	0.1000	3
Mg	24	72	He	2.050	ppb	39.6	456.69	0.0121	Pulse	0.1000	3
Al	27	72	He	2.586	ppb	117.4	86.67	0.0023	Pulse	0.1000	3
K	39	72	He	5.034	ppb	67.4	6064.79	0.1608	Pulse	0.1000	3
Ca	44	72	He	3.710	ppb	327.3	76.67	0.0020	Pulse	0.1000	3
Ti	47	45	He	1.020	ppb	45.0	26.67	0.0013	Pulse	0.1000	3
V	51	72	He	0.323	ppb	26.4	811.36	0.0215	Pulse	0.5000	3
Cr	52	72	He	0.121	ppb	181.9	1620.15	0.0430	Pulse	0.1000	3
Mn	55	72	He	0.362	ppb	10.8	193.34	0.0051	Pulse	0.1000	3
Fe	57	72	He	7.334	ppb	46.5	210.01	0.0056	Pulse	0.1000	3
Co	59	72	He	0.435	ppb	2.3	716.71	0.0190	Pulse	0.1000	3
Ni	60	159	He	0.231	ppb	183.4	523.36	0.0026	Pulse	0.1000	3
Cu	63	72	He	0.318	ppb	20.6	566.70	0.0150	Pulse	0.1000	3
Zn	66	72	He	0.375	ppb	84.9	150.01	0.0040	Pulse	0.1000	3
As	75	115	He	0.407	ppb	17.8	65.33	0.0017	Pulse	0.5000	3
Sr	88	115	He	0.068	ppb	23.6	73.33	0.0019	Pulse	0.1000	3
Mo	98	159	He	0.065	ppb	14.5	100.00	0.0005	Pulse	0.1000	3
Ag	107	115	He	0.018	ppb	137.0	56.67	0.0015	Pulse	0.1000	3
Cd	111	115	He	0.018	ppb	114.0	6.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.040	ppb	N/A	3003.79	0.0150	Pulse	0.1000	3
Sb	121	209	He	0.141	ppb	27.3	110.00	0.0006	Pulse	0.1000	3
Ba	137	159	He	0.067	ppb	131.0	60.00	0.0003	Pulse	0.1000	3
Tl	205	209	He	0.069	ppb	20.5	566.70	0.0031	Pulse	0.1000	3
Pb	208	209	He	0.035	ppb	11.9	636.70	0.0035	Pulse	0.1000	3
U	238	209	He	0.031	ppb	9.7	383.35	0.0021	Pulse	0.1000	3

ISTD Table:

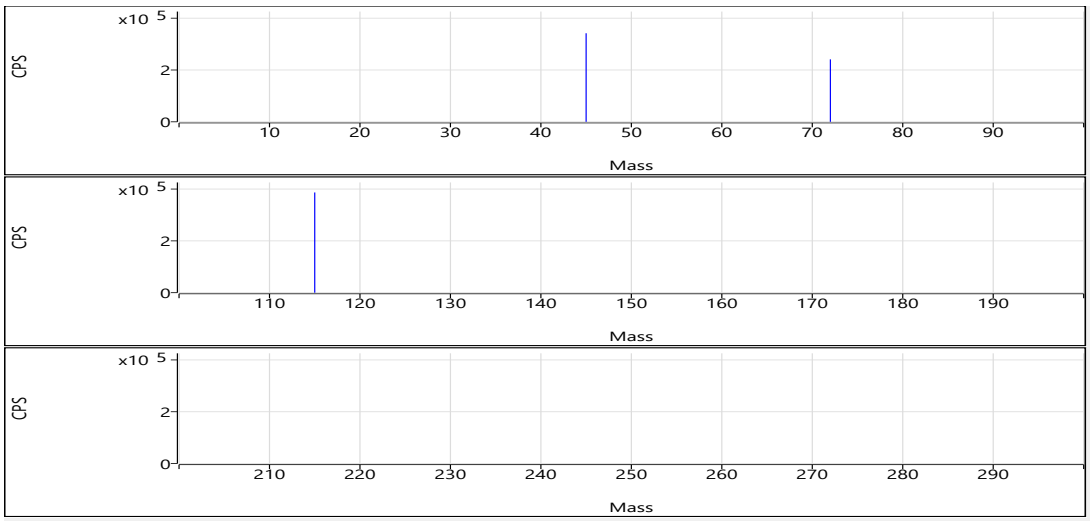
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	258589.42	1.3	111.6	Pulse	0.1000	3
No Gas	Ge	72	179048.25	1.3	108.6	Pulse	0.1000	3
H2	Sc	45	343524.45	0.3	100.6	Pulse	0.1000	3
H2	Ge	72	242224.16	0.6	98.7	Pulse	0.1000	3
H2	In	115	388755.23	1.0	99.7	Pulse	0.1000	3
He	Sc	45	20231.19	1.7	102.4	Pulse	0.1000	3
He	Ge	72	37726.83	1.6	100.7	Pulse	0.1000	3
He	In	115	38376.79	1.1	100.5	Pulse	0.1000	3
He	Tb	159	200928.07	0.8	102.7	Pulse	0.1000	3
He	Bi	209	182658.62	1.4	101.8	Pulse	0.1000	3

No Gas

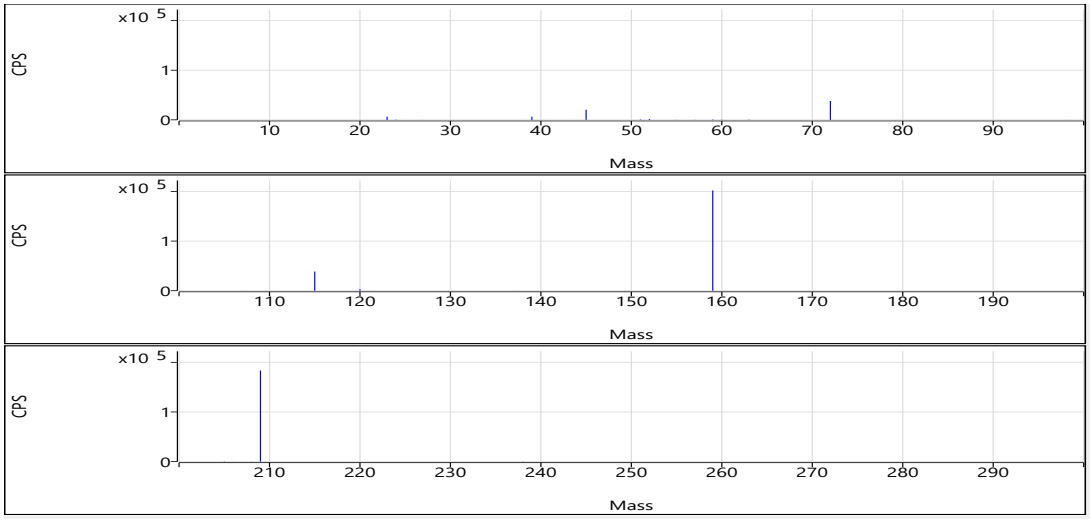


H2



Quantitation Report

He



Quantitation Report

Data File Name	089SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:42:21
Sample Name	410-224838-F-1-A
Sample Type	Sample
Comment	I16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

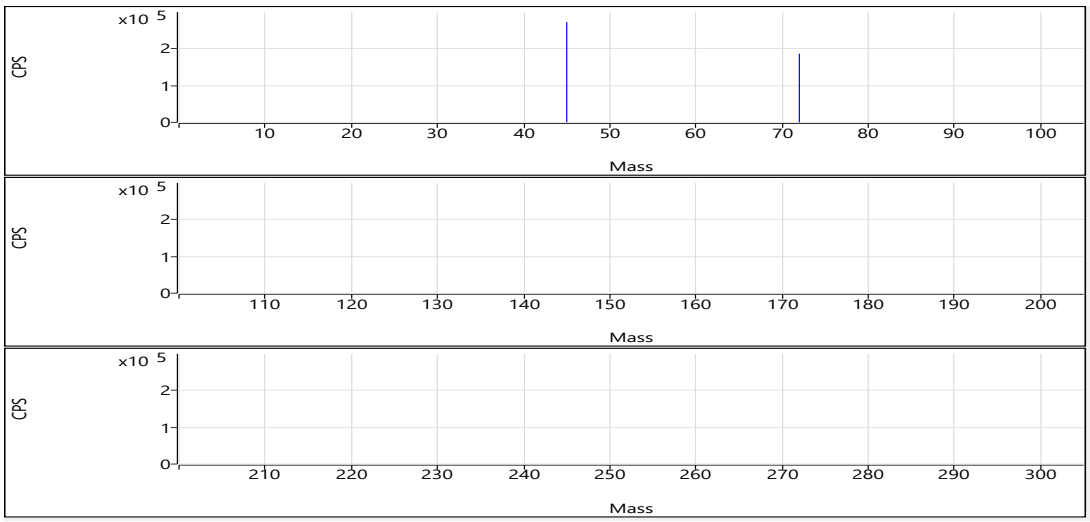
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.150	ppb	14.5	37.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.153	ppb	44.9	21.33	0.0001	Pulse	1.5000	3
Na	23	72	He	24420.317	ppb	1.1	2462092.62	63.9173	Pulse	0.1000	3
Mg	24	72	He	9914.135	ppb	1.3	514368.61	13.3532	Pulse	0.1000	3
Al	27	72	He	5.469	ppb	73.9	133.34	0.0035	Pulse	0.1000	3
K	39	72	He	34224.582	ppb	1.1	999947.04	25.9592	Pulse	0.1000	3
Ca	44	72	He	28823.309	ppb	0.2	48667.95	1.2634	Pulse	0.1000	3
Ti	47	45	He	0.924	ppb	210.4	26.67	0.0013	Pulse	0.1000	3
V	51	72	He	0.011	ppb	305.5	653.35	0.0170	Pulse	0.5000	3
Cr	52	72	He	5.549	ppb	5.1	5671.27	0.1472	Pulse	0.1000	3
Mn	55	72	He	8.930	ppb	3.1	3003.77	0.0780	Pulse	0.1000	3
Fe	57	72	He	97.052	ppb	7.0	1576.82	0.0409	Pulse	0.1000	3
Co	59	72	He	0.352	ppb	13.1	613.37	0.0159	Pulse	0.1000	3
Ni	60	159	He	4.249	ppb	7.8	2156.91	0.0104	Pulse	0.1000	3
Cu	63	72	He	38.239	ppb	2.0	43379.00	1.1261	Pulse	0.1000	3
Zn	66	72	He	66.004	ppb	3.9	8959.76	0.2325	Pulse	0.1000	3
As	75	115	He	0.207	ppb	33.2	50.00	0.0013	Pulse	0.5000	3
Sr	88	115	He	141.303	ppb	1.9	56539.80	1.4329	Pulse	0.1000	3
Mo	98	159	He	1.001	ppb	12.1	1086.75	0.0052	Pulse	0.1000	3
Ag	107	115	He	0.095	ppb	22.3	236.68	0.0060	Pulse	0.1000	3
Cd	111	115	He	0.092	ppb	12.9	26.00	0.0007	Pulse	0.5000	3
Sn	120	159	He	-0.550	ppb	N/A	2697.02	0.0130	Pulse	0.1000	3
Sb	121	209	He	0.156	ppb	21.9	123.34	0.0007	Pulse	0.1000	3
Ba	137	159	He	47.168	ppb	1.7	11391.75	0.0548	Pulse	0.1000	3
Tl	205	209	He	0.043	ppb	25.0	390.02	0.0021	Pulse	0.1000	3
Pb	208	209	He	0.440	ppb	1.4	4507.15	0.0241	Pulse	0.1000	3
U	238	209	He	0.020	ppb	28.0	273.35	0.0015	Pulse	0.1000	3

ISTD Table:

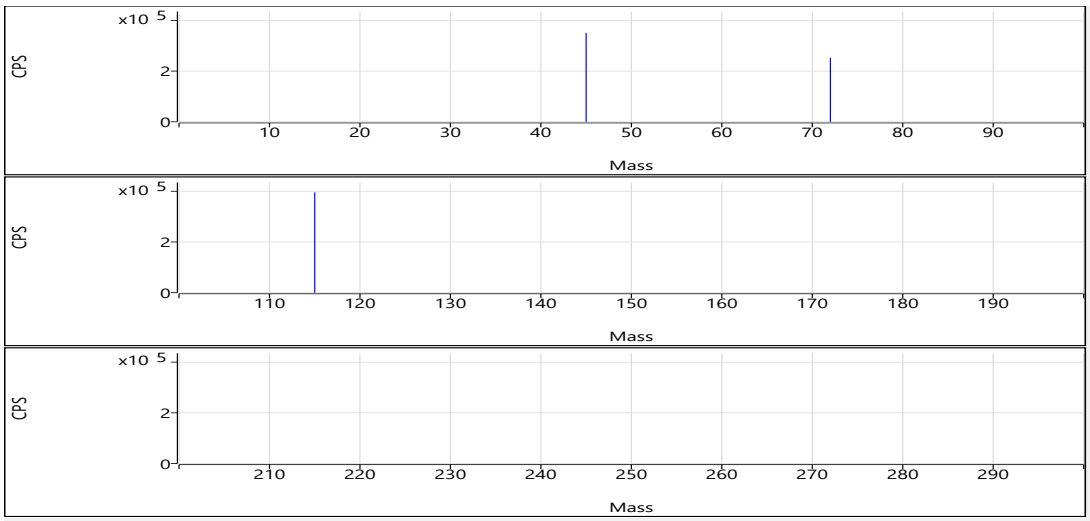
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	271788.85	1.0	117.3	Pulse	0.1000	3
No Gas	Ge	72	186199.84	1.3	112.9	Pulse	0.1000	3
H2	Sc	45	351218.65	0.5	102.9	Pulse	0.1000	3
H2	Ge	72	252778.99	0.5	103.0	Pulse	0.1000	3
H2	In	115	395888.61	0.5	101.5	Pulse	0.1000	3
He	Sc	45	21536.44	2.8	109.0	Pulse	0.1000	3
He	Ge	72	38522.50	0.9	102.8	Pulse	0.1000	3
He	In	115	39462.08	1.3	103.4	Pulse	0.1000	3
He	Tb	159	207943.37	1.1	106.3	Pulse	0.1000	3
He	Bi	209	187076.84	1.0	104.2	Pulse	0.1000	3

No Gas

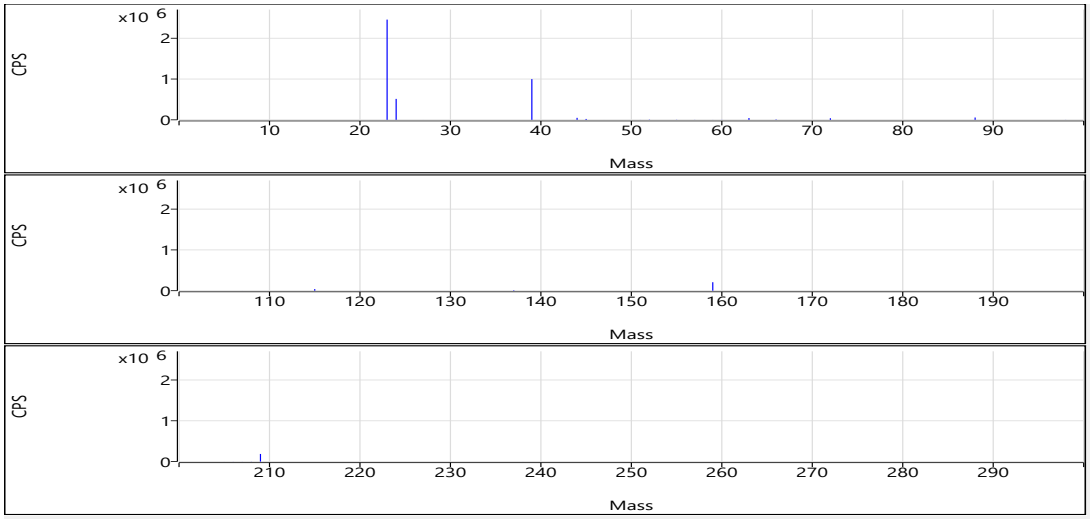


H2



Quantitation Report

He



Quantitation Report

Data File Name	090SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:44:57
Sample Name	410-224626-B-1-A
Sample Type	Sample
Comment	I16
Prep Dilution	1.0000
Auto Dilution	10.0000
Total Dilution	10.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

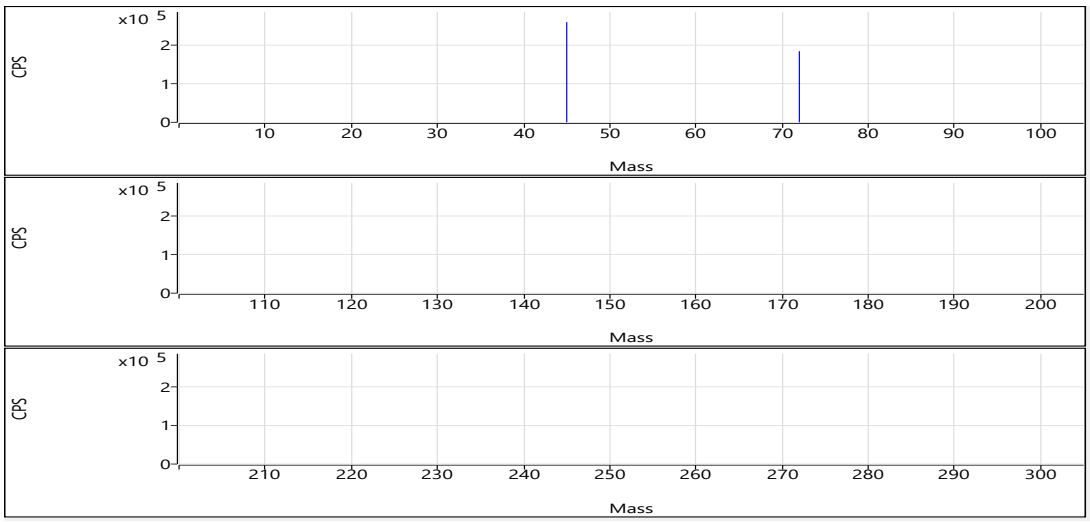
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1.145	ppb	22.2	28.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.402	ppb	105.2	9.56	0.0000	Pulse	1.5000	3
Na	23	72	He	14354.298	ppb	1.1	149931.61	3.8985	Pulse	0.1000	3
Mg	24	72	He	29358.513	ppb	0.9	152326.74	3.9608	Pulse	0.1000	3
Al	27	72	He	83.062	ppb	25.3	176.68	0.0046	Pulse	0.1000	3
K	39	72	He	1264.329	ppb	3.3	9703.55	0.2523	Pulse	0.1000	3
Ca	44	72	He	50781.475	ppb	4.6	8619.48	0.2241	Pulse	0.1000	3
Ti	47	45	He	-3.456	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	1.764	ppb	22.1	744.69	0.0194	Pulse	0.5000	3
Cr	52	72	He	2.387	ppb	18.2	1740.16	0.0452	Pulse	0.1000	3
Mn	55	72	He	3.406	ppb	23.5	190.01	0.0049	Pulse	0.1000	3
Fe	57	72	He	18.027	ppb	130.6	130.00	0.0034	Pulse	0.1000	3
Co	59	72	He	2.890	ppb	15.8	523.37	0.0136	Pulse	0.1000	3
Ni	60	159	He	19.350	ppb	6.7	1180.10	0.0059	Pulse	0.1000	3
Cu	63	72	He	1887.276	ppb	0.7	212896.53	5.5356	Pulse	0.1000	3
Zn	66	72	He	173.045	ppb	11.9	2420.27	0.0629	Pulse	0.1000	3
As	75	115	He	1.803	ppb	105.0	46.00	0.0012	Pulse	0.5000	3
Sr	88	115	He	224.091	ppb	1.8	8662.90	0.2283	Pulse	0.1000	3
Mo	98	159	He	0.819	ppb	38.2	116.67	0.0006	Pulse	0.1000	3
Ag	107	115	He	0.361	ppb	52.8	96.67	0.0026	Pulse	0.1000	3
Cd	111	115	He	0.286	ppb	109.9	8.67	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.015	ppb	N/A	3020.43	0.0151	Pulse	0.1000	3
Sb	121	209	He	1.372	ppb	24.0	106.67	0.0006	Pulse	0.1000	3
Ba	137	159	He	102.653	ppb	10.6	2416.97	0.0121	Pulse	0.1000	3
Tl	205	209	He	0.385	ppb	20.3	350.02	0.0019	Pulse	0.1000	3
Pb	208	209	He	1.488	ppb	12.9	1683.44	0.0093	Pulse	0.1000	3
U	238	209	He	0.207	ppb	23.4	270.01	0.0015	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	258758.65	2.0	111.7	Pulse	0.1000	3
No Gas	Ge	72	183621.40	2.7	111.4	Pulse	0.1000	3
H2	Sc	45	341034.16	0.4	99.9	Pulse	0.1000	3
H2	Ge	72	250832.32	0.7	102.2	Pulse	0.1000	3
H2	In	115	387308.89	0.6	99.3	Pulse	0.1000	3
He	Sc	45	20935.60	2.0	106.0	Pulse	0.1000	3
He	Ge	72	38458.78	0.3	102.7	Pulse	0.1000	3
He	In	115	37952.15	1.1	99.4	Pulse	0.1000	3
He	Tb	159	199957.51	0.8	102.2	Pulse	0.1000	3
He	Bi	209	181639.46	1.0	101.2	Pulse	0.1000	3

No Gas



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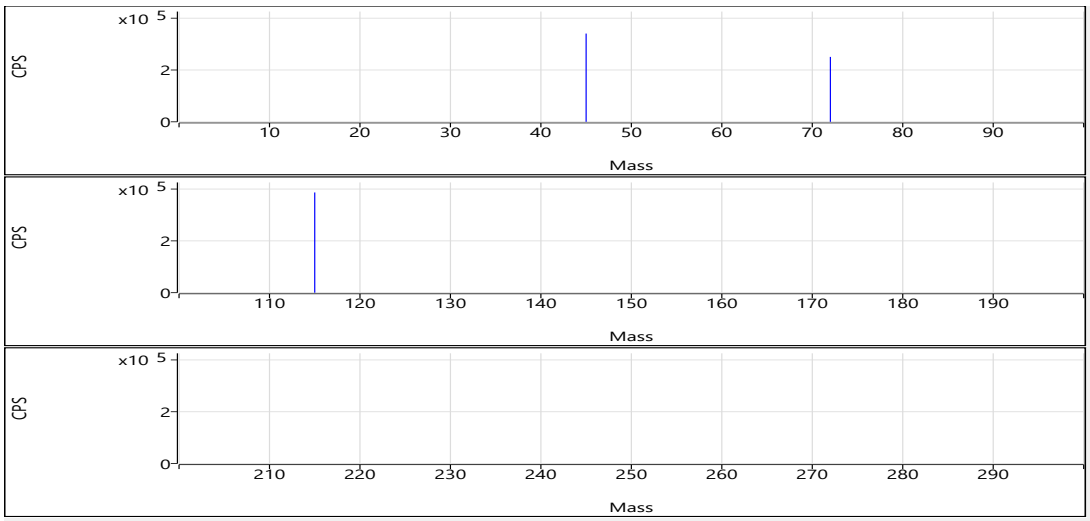
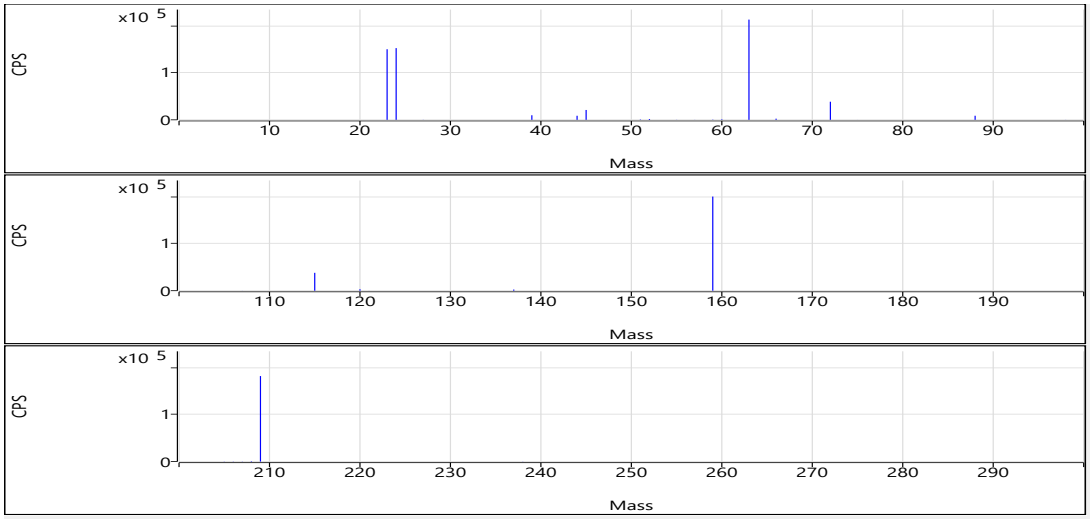


Quantitation Report

He



Quantitation Report

Data File Name	092SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:49:19
Sample Name	410-225971-H-1-A
Sample Type	Sample
Comment	A18
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

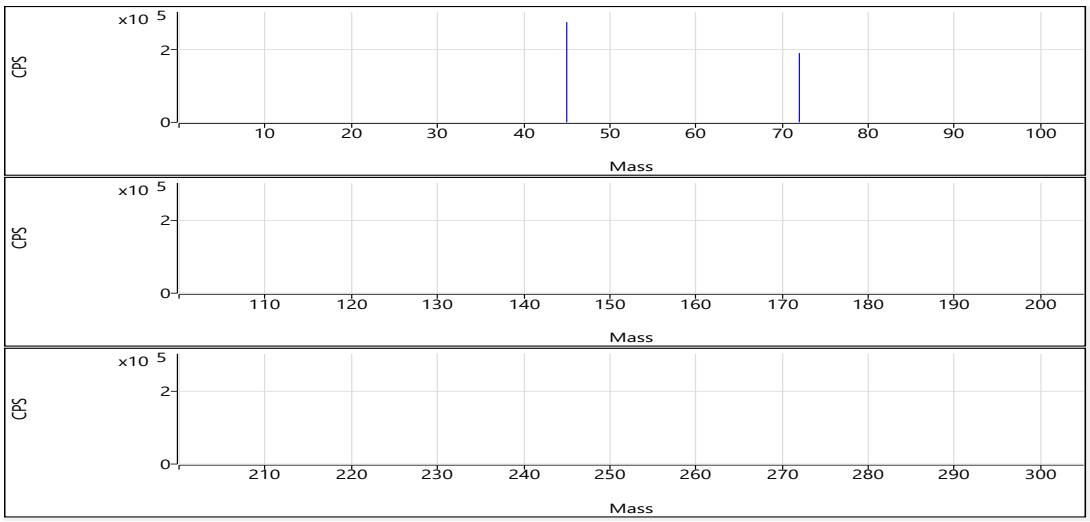
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.079	ppb	31.8	23.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	1.406	ppb	3.9	153.33	0.0006	Pulse	1.5000	3
Na	23	72	He	6710.715	ppb	1.0	683739.62	17.6735	Pulse	0.1000	3
Mg	24	72	He	7145.616	ppb	0.6	372447.91	9.6269	Pulse	0.1000	3
Al	27	72	He	10.375	ppb	11.0	210.01	0.0054	Pulse	0.1000	3
K	39	72	He	2617.425	ppb	2.2	82410.51	2.1303	Pulse	0.1000	3
Ca	44	72	He	26668.319	ppb	2.8	45233.77	1.1691	Pulse	0.1000	3
Ti	47	45	He	-0.356	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	1.257	ppb	2.9	1355.40	0.0350	Pulse	0.5000	3
Cr	52	72	He	-0.430	ppb	N/A	1253.43	0.0324	Pulse	0.1000	3
Mn	55	72	He	5.747	ppb	8.5	1970.20	0.0509	Pulse	0.1000	3
Fe	57	72	He	25.595	ppb	15.0	493.36	0.0128	Pulse	0.1000	3
Co	59	72	He	0.242	ppb	19.7	460.03	0.0119	Pulse	0.1000	3
Ni	60	159	He	0.001	ppb	13881.8	443.36	0.0022	Pulse	0.1000	3
Cu	63	72	He	10.948	ppb	3.1	12629.31	0.3265	Pulse	0.1000	3
Zn	66	72	He	311.492	ppb	3.6	42071.82	1.0876	Pulse	0.1000	3
As	75	115	He	0.131	ppb	88.2	44.67	0.0011	Pulse	0.5000	3
Sr	88	115	He	61.071	ppb	0.9	25062.73	0.6200	Pulse	0.1000	3
Mo	98	159	He	0.620	ppb	4.3	676.71	0.0033	Pulse	0.1000	3
Ag	107	115	He	0.009	ppb	119.2	40.00	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.031	ppb	23.0	10.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.670	ppb	N/A	2560.31	0.0125	Pulse	0.1000	3
Sb	121	209	He	0.065	ppb	44.4	60.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	5.606	ppb	12.3	1373.45	0.0067	Pulse	0.1000	3
Tl	205	209	He	0.038	ppb	13.7	363.35	0.0019	Pulse	0.1000	3
Pb	208	209	He	1.017	ppb	1.3	10158.55	0.0535	Pulse	0.1000	3
U	238	209	He	0.164	ppb	4.8	1973.56	0.0104	Pulse	0.1000	3

ISTD Table:

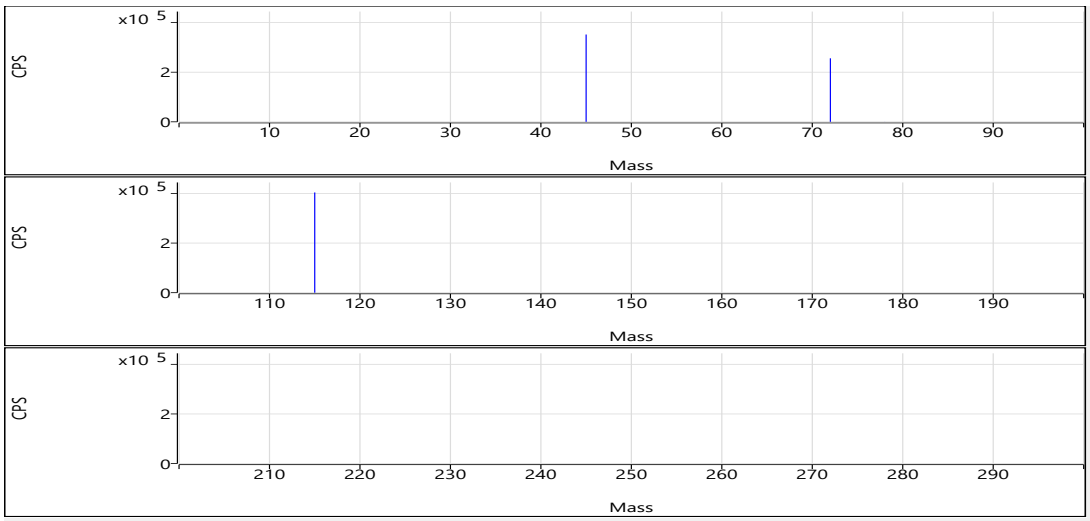
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	275232.29	0.6	118.8	Pulse	0.1000	3
No Gas	Ge	72	190084.02	1.5	115.3	Pulse	0.1000	3
H2	Sc	45	353455.14	1.5	103.5	Pulse	0.1000	3
H2	Ge	72	257128.67	1.3	104.7	Pulse	0.1000	3
H2	In	115	405773.13	0.9	104.0	Pulse	0.1000	3
He	Sc	45	21419.54	1.0	108.4	Pulse	0.1000	3
He	Ge	72	38689.59	0.9	103.3	Pulse	0.1000	3
He	In	115	40422.59	0.5	105.9	Pulse	0.1000	3
He	Tb	159	204774.33	0.4	104.6	Pulse	0.1000	3
He	Bi	209	189821.21	0.8	105.8	Pulse	0.1000	3

No Gas

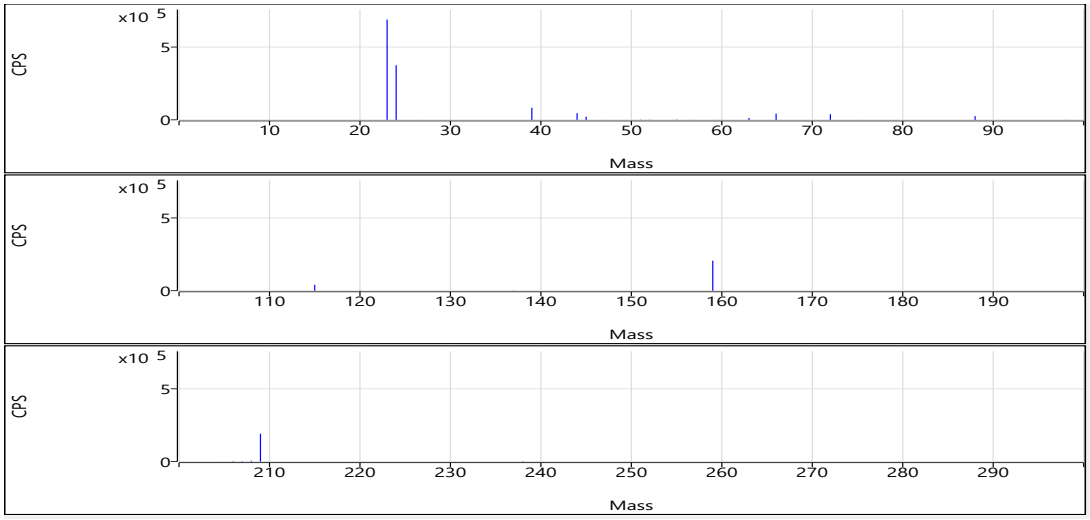


H2



Quantitation Report

He



Quantitation Report

Data File Name	093SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:51:28
Sample Name	410-224566-G-9-A
Sample Type	Sample
Comment	MS-C9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

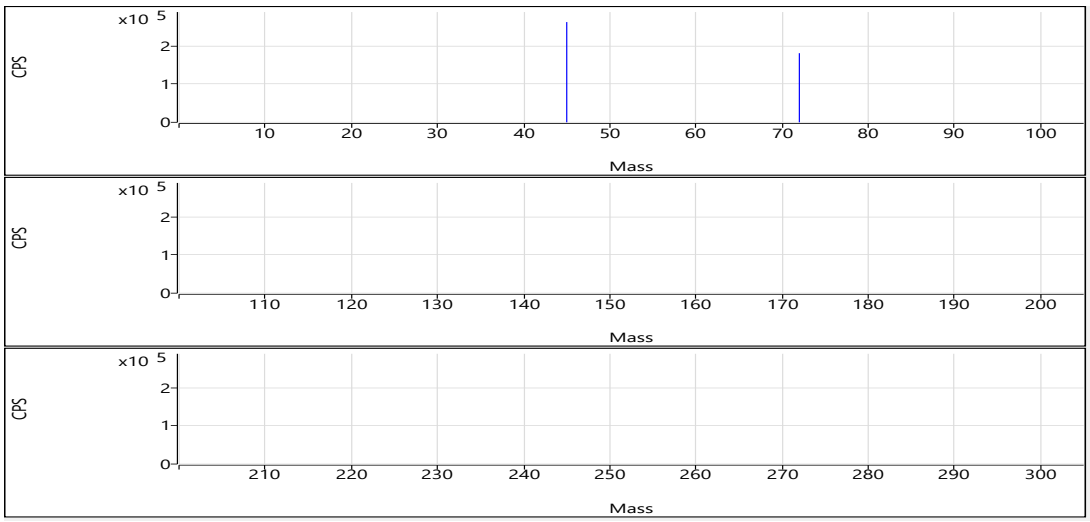
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.075	ppb	56.8	21.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.022	ppb	136.2	7.56	0.0000	Pulse	1.5000	3
Na	23	72	He	27.921	ppb	14.3	8426.00	0.2232	Pulse	0.1000	3
Mg	24	72	He	8.055	ppb	28.9	763.38	0.0202	Pulse	0.1000	3
Al	27	72	He	5.180	ppb	78.1	126.67	0.0033	Pulse	0.1000	3
K	39	72	He	10.179	ppb	74.7	6218.15	0.1647	Pulse	0.1000	3
Ca	44	72	He	31.606	ppb	74.4	123.34	0.0033	Pulse	0.1000	3
Ti	47	45	He	-0.051	ppb	N/A	13.33	0.0007	Pulse	0.1000	3
V	51	72	He	0.106	ppb	48.1	692.69	0.0183	Pulse	0.5000	3
Cr	52	72	He	-0.141	ppb	N/A	1433.45	0.0380	Pulse	0.1000	3
Mn	55	72	He	0.322	ppb	74.2	180.01	0.0048	Pulse	0.1000	3
Fe	57	72	He	6.199	ppb	21.1	193.34	0.0051	Pulse	0.1000	3
Co	59	72	He	0.130	ppb	38.3	293.35	0.0077	Pulse	0.1000	3
Ni	60	159	He	0.082	ppb	37.9	470.02	0.0023	Pulse	0.1000	3
Cu	63	72	He	0.258	ppb	3.9	500.03	0.0132	Pulse	0.1000	3
Zn	66	72	He	0.724	ppb	71.6	196.68	0.0052	Pulse	0.1000	3
As	75	115	He	0.143	ppb	56.7	44.67	0.0011	Pulse	0.5000	3
Sr	88	115	He	0.289	ppb	38.1	163.34	0.0042	Pulse	0.1000	3
Mo	98	159	He	0.044	ppb	20.7	80.00	0.0004	Pulse	0.1000	3
Ag	107	115	He	0.010	ppb	79.1	40.00	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.013	ppb	125.8	4.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.009	ppb	N/A	3053.78	0.0151	Pulse	0.1000	3
Sb	121	209	He	0.076	ppb	10.3	66.67	0.0004	Pulse	0.1000	3
Ba	137	159	He	0.093	ppb	50.9	66.67	0.0003	Pulse	0.1000	3
Tl	205	209	He	0.031	ppb	31.8	306.68	0.0017	Pulse	0.1000	3
Pb	208	209	He	0.018	ppb	33.3	483.35	0.0026	Pulse	0.1000	3
U	238	209	He	0.013	ppb	15.2	183.34	0.0010	Pulse	0.1000	3

ISTD Table:

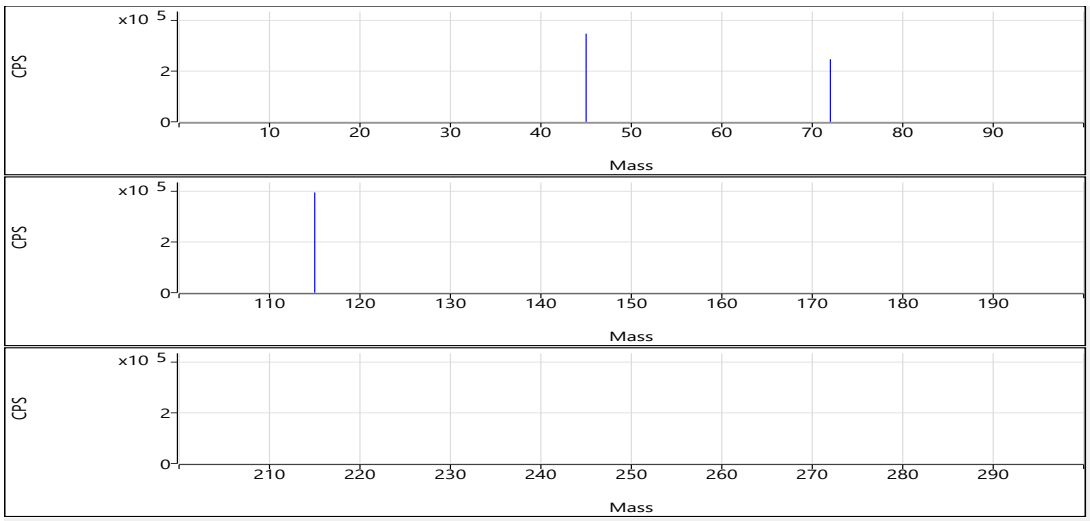
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	261732.11	0.7	113.0	Pulse	0.1000	3
No Gas	Ge	72	180477.13	1.0	109.5	Pulse	0.1000	3
H2	Sc	45	346148.76	0.8	101.4	Pulse	0.1000	3
H2	Ge	72	245964.95	0.6	100.2	Pulse	0.1000	3
H2	In	115	393659.63	0.2	100.9	Pulse	0.1000	3
He	Sc	45	20665.15	2.0	104.6	Pulse	0.1000	3
He	Ge	72	37780.50	2.2	100.9	Pulse	0.1000	3
He	In	115	39536.28	2.9	103.6	Pulse	0.1000	3
He	Tb	159	202547.78	0.7	103.5	Pulse	0.1000	3
He	Bi	209	185562.91	0.8	103.4	Pulse	0.1000	3

No Gas

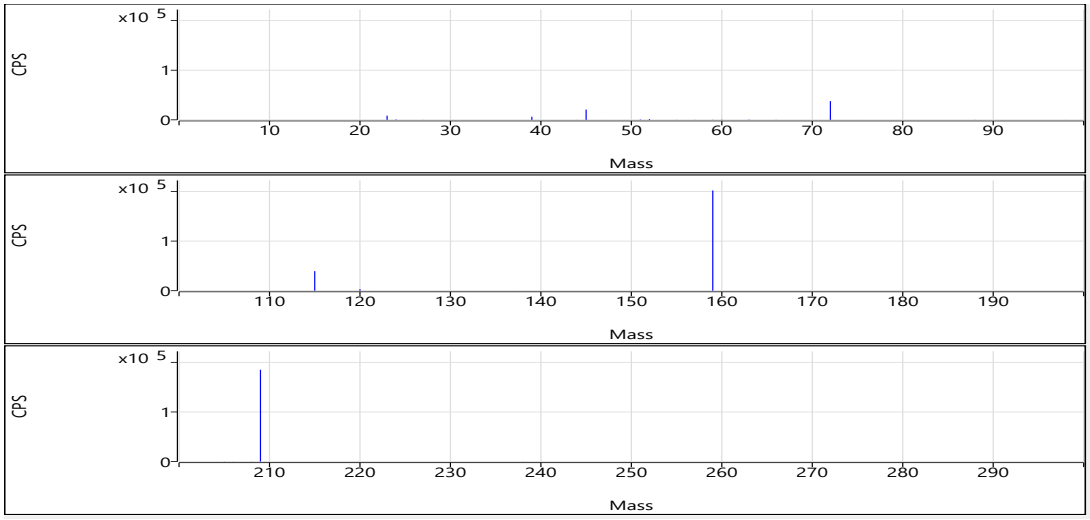


H2



Quantitation Report

He



Quantitation Report

Data File Name	094SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:54:05
Sample Name	410-224566-G-3-A
Sample Type	Sample
Comment	MS-C9
Prep Dilution	1.0000
Auto Dilution	10.0000
Total Dilution	10.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

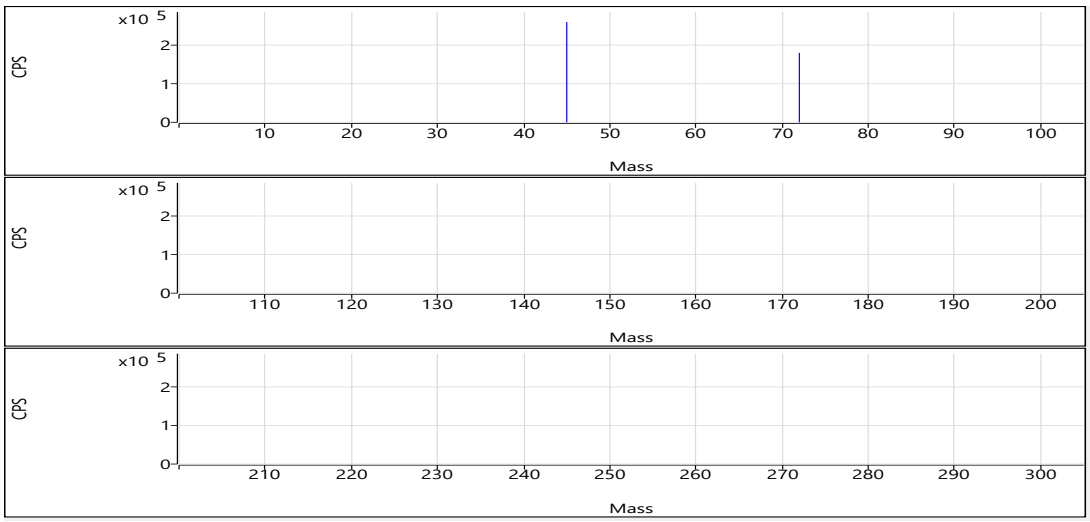
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.512	ppb	102.3	16.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.363	ppb	80.2	8.89	0.0000	Pulse	1.5000	3
Na	23	72	He	156782.940	ppb	1.4	1529323.26	41.0899	Pulse	0.1000	3
Mg	24	72	He	100640.955	ppb	1.3	504506.18	13.5550	Pulse	0.1000	3
Al	27	72	He	1197.848	ppb	5.5	1843.52	0.0495	Pulse	0.1000	3
K	39	72	He	1101.473	ppb	12.3	8936.33	0.2400	Pulse	0.1000	3
Ca	44	72	He	188163.978	ppb	1.9	30719.56	0.8254	Pulse	0.1000	3
Ti	47	45	He	-3.086	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	3.671	ppb	32.3	823.36	0.0221	Pulse	0.5000	3
Cr	52	72	He	3.037	ppb	36.4	1730.16	0.0465	Pulse	0.1000	3
Mn	55	72	He	1948.668	ppb	0.3	61741.35	1.6587	Pulse	0.1000	3
Fe	57	72	He	25450.314	ppb	1.8	37442.16	1.0060	Pulse	0.1000	3
Co	59	72	He	4.779	ppb	12.8	766.72	0.0206	Pulse	0.1000	3
Ni	60	159	He	3.118	ppb	27.6	550.03	0.0028	Pulse	0.1000	3
Cu	63	72	He	5.174	ppb	22.8	776.71	0.0208	Pulse	0.1000	3
Zn	66	72	He	12.415	ppb	11.5	260.01	0.0070	Pulse	0.1000	3
As	75	115	He	422.513	ppb	3.2	3561.80	0.0923	Pulse	0.5000	3
Sr	88	115	He	1247.752	ppb	2.4	48813.98	1.2655	Pulse	0.1000	3
Mo	98	159	He	2.513	ppb	21.7	286.68	0.0014	Pulse	0.1000	3
Ag	107	115	He	0.264	ppb	25.9	76.67	0.0020	Pulse	0.1000	3
Cd	111	115	He	0.076	ppb	116.7	3.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.447	ppb	N/A	2970.43	0.0149	Pulse	0.1000	3
Sb	121	209	He	0.889	ppb	42.4	73.33	0.0004	Pulse	0.1000	3
Ba	137	159	He	891.795	ppb	2.7	20559.28	0.1034	Pulse	0.1000	3
Tl	205	209	He	0.325	ppb	22.9	306.68	0.0017	Pulse	0.1000	3
Pb	208	209	He	2.752	ppb	6.1	2836.90	0.0157	Pulse	0.1000	3
U	238	209	He	0.595	ppb	9.9	703.37	0.0039	Pulse	0.1000	3

ISTD Table:

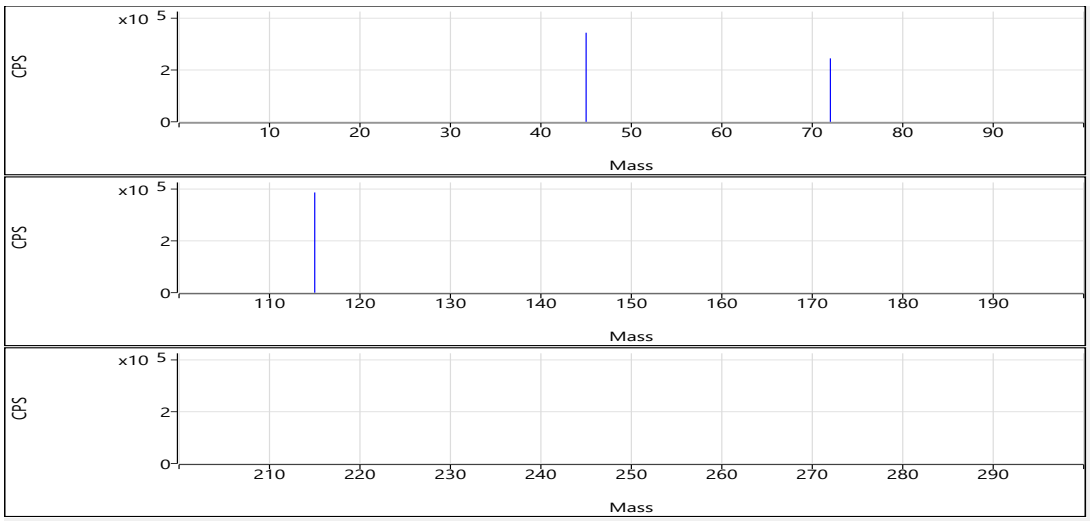
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	259471.49	0.9	112.0	Pulse	0.1000	3
No Gas	Ge	72	179666.90	1.8	109.0	Pulse	0.1000	3
H2	Sc	45	342119.78	0.8	100.2	Pulse	0.1000	3
H2	Ge	72	243632.68	1.3	99.2	Pulse	0.1000	3
H2	In	115	384861.28	0.2	98.7	Pulse	0.1000	3
He	Sc	45	20174.44	1.6	102.1	Pulse	0.1000	3
He	Ge	72	37222.20	1.0	99.4	Pulse	0.1000	3
He	In	115	38577.45	1.2	101.1	Pulse	0.1000	3
He	Tb	159	198874.39	0.7	101.6	Pulse	0.1000	3
He	Bi	209	180554.07	0.4	100.6	Pulse	0.1000	3

No Gas

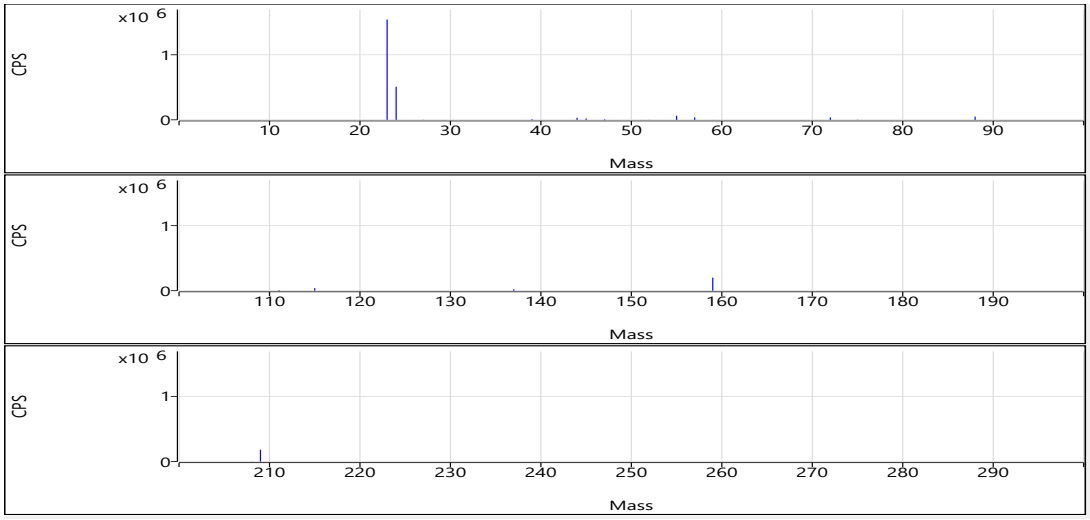


H2



Quantitation Report

He



Quantitation Report

Data File Name	095SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:56:40
Sample Name	410-224943-H-6-A
Sample Type	Sample
Comment	D19
Prep Dilution	1.0000
Auto Dilution	10.0000
Total Dilution	10.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

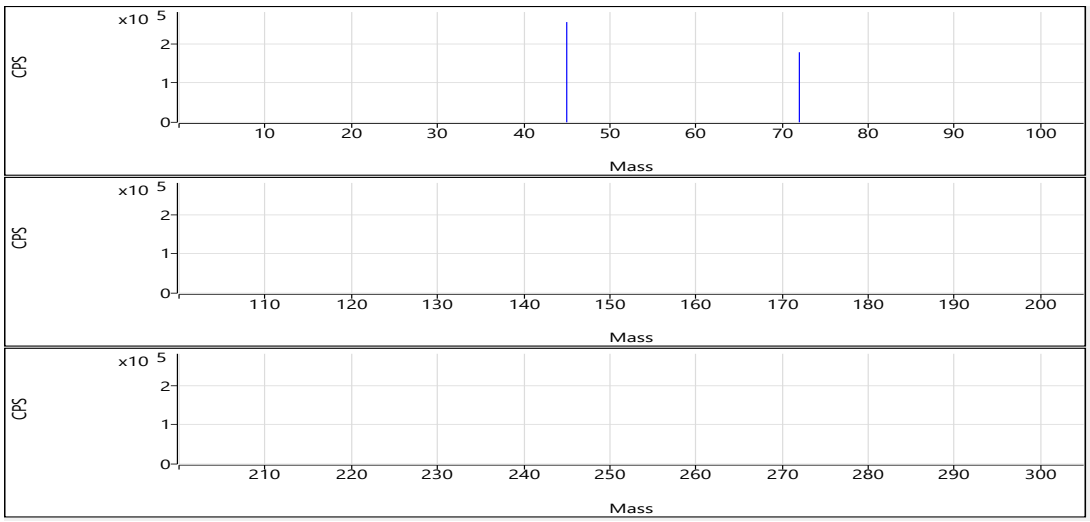
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.423	ppb	38.7	14.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.225	ppb	46.9	7.56	0.0000	Pulse	1.5000	3
Na	23	72	He	85314.807	ppb	2.8	841985.43	22.4279	Pulse	0.1000	3
Mg	24	72	He	8451.227	ppb	2.9	43053.10	1.1468	Pulse	0.1000	3
Al	27	72	He	88.326	ppb	29.6	180.01	0.0048	Pulse	0.1000	3
K	39	72	He	4516.763	ppb	9.0	18668.99	0.4975	Pulse	0.1000	3
Ca	44	72	He	71369.248	ppb	1.7	11798.44	0.3142	Pulse	0.1000	3
Ti	47	45	He	-5.762	ppb	N/A	6.67	0.0003	Pulse	0.1000	3
V	51	72	He	0.567	ppb	63.5	662.02	0.0176	Pulse	0.5000	3
Cr	52	72	He	0.127	ppb	2313.0	1533.47	0.0409	Pulse	0.1000	3
Mn	55	72	He	15.134	ppb	2.0	560.03	0.0149	Pulse	0.1000	3
Fe	57	72	He	87.863	ppb	24.9	230.01	0.0061	Pulse	0.1000	3
Co	59	72	He	1.511	ppb	6.4	320.01	0.0085	Pulse	0.1000	3
Ni	60	159	He	2.349	ppb	140.5	526.70	0.0026	Pulse	0.1000	3
Cu	63	72	He	1.945	ppb	32.5	426.69	0.0114	Pulse	0.1000	3
Zn	66	72	He	2.784	ppb	49.3	136.67	0.0036	Pulse	0.1000	3
As	75	115	He	2.162	ppb	26.0	50.67	0.0013	Pulse	0.5000	3
Sr	88	115	He	2037.821	ppb	2.7	81255.18	2.0660	Pulse	0.1000	3
Mo	98	159	He	1.238	ppb	6.5	160.01	0.0008	Pulse	0.1000	3
Ag	107	115	He	0.099	ppb	76.8	40.00	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.322	ppb	60.7	10.00	0.0003	Pulse	0.5000	3
Sn	120	159	He	-2.626	ppb	N/A	2830.38	0.0141	Pulse	0.1000	3
Sb	121	209	He	0.484	ppb	34.4	46.67	0.0003	Pulse	0.1000	3
Ba	137	159	He	1924.850	ppb	3.6	44769.81	0.2229	Pulse	0.1000	3
Tl	205	209	He	0.244	ppb	30.0	253.35	0.0014	Pulse	0.1000	3
Pb	208	209	He	0.155	ppb	76.1	453.35	0.0025	Pulse	0.1000	3
U	238	209	He	0.246	ppb	5.2	316.68	0.0017	Pulse	0.1000	3

ISTD Table:

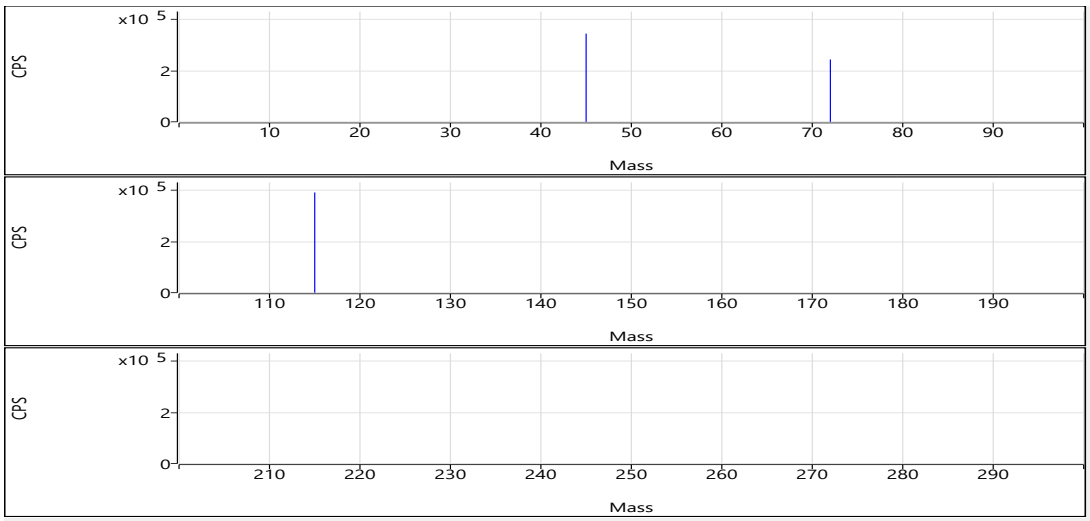
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	255667.45	0.3	110.4	Pulse	0.1000	3
No Gas	Ge	72	178718.88	1.2	108.4	Pulse	0.1000	3
H2	Sc	45	345633.92	0.7	101.2	Pulse	0.1000	3
H2	Ge	72	244392.16	0.4	99.5	Pulse	0.1000	3
H2	In	115	392958.94	0.6	100.7	Pulse	0.1000	3
He	Sc	45	20504.97	3.8	103.8	Pulse	0.1000	3
He	Ge	72	37556.30	2.1	100.3	Pulse	0.1000	3
He	In	115	39337.22	1.3	103.0	Pulse	0.1000	3
He	Tb	159	200957.26	1.3	102.7	Pulse	0.1000	3
He	Bi	209	182751.33	0.4	101.8	Pulse	0.1000	3

No Gas

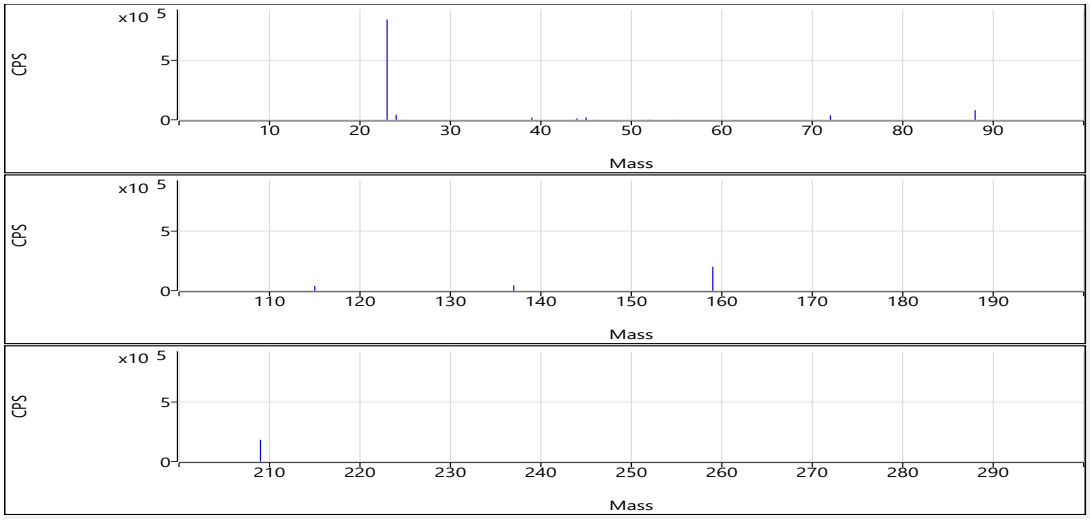


H2



Quantitation Report

He



Quantitation Report

Data File Name	096SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 19:59:16
Sample Name	410-224943-G-6-A
Sample Type	Sample
Comment	C7
Prep Dilution	1.0000
Auto Dilution	10.0000
Total Dilution	10.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

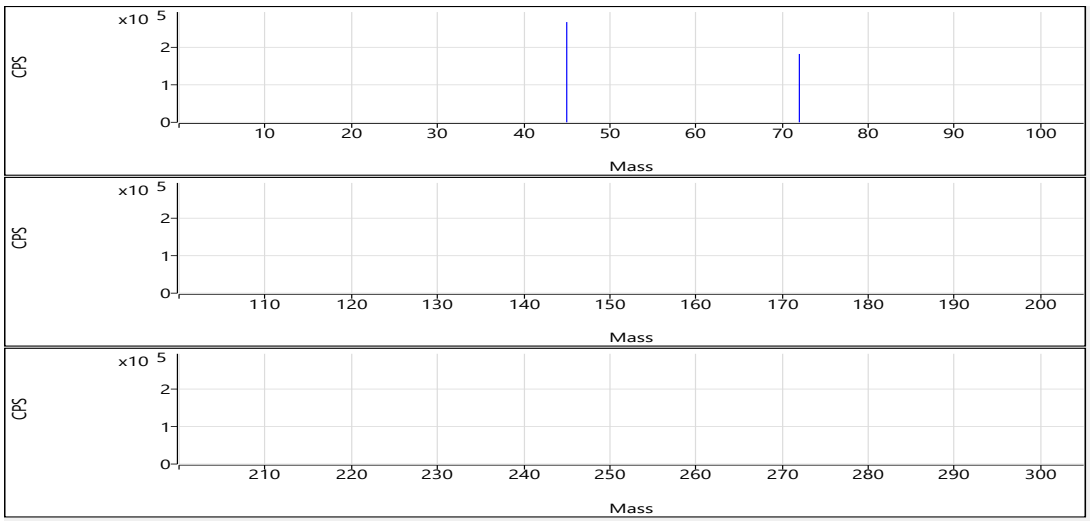
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.324	ppb	47.9	13.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.375	ppb	35.8	9.11	0.0000	Pulse	1.5000	3
Na	23	72	He	83310.193	ppb	2.7	809082.41	21.9045	Pulse	0.1000	3
Mg	24	72	He	8217.820	ppb	2.8	41197.69	1.1154	Pulse	0.1000	3
Al	27	72	He	34.053	ppb	17.2	96.67	0.0026	Pulse	0.1000	3
K	39	72	He	4471.012	ppb	5.2	18245.19	0.4941	Pulse	0.1000	3
Ca	44	72	He	73013.663	ppb	1.3	11878.58	0.3214	Pulse	0.1000	3
Ti	47	45	He	-3.228	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	1.049	ppb	25.4	677.35	0.0183	Pulse	0.5000	3
Cr	52	72	He	-0.613	ppb	N/A	1463.45	0.0395	Pulse	0.1000	3
Mn	55	72	He	8.179	ppb	18.3	333.35	0.0090	Pulse	0.1000	3
Fe	57	72	He	19.004	ppb	120.6	126.67	0.0034	Pulse	0.1000	3
Co	59	72	He	0.870	ppb	44.6	226.68	0.0061	Pulse	0.1000	3
Ni	60	159	He	-0.804	ppb	N/A	403.35	0.0020	Pulse	0.1000	3
Cu	63	72	He	2.165	ppb	27.1	443.36	0.0120	Pulse	0.1000	3
Zn	66	72	He	5.428	ppb	101.3	166.67	0.0046	Pulse	0.1000	3
As	75	115	He	1.708	ppb	44.9	46.67	0.0012	Pulse	0.5000	3
Sr	88	115	He	1965.447	ppb	1.2	78100.95	1.9927	Pulse	0.1000	3
Mo	98	159	He	1.142	ppb	7.6	150.01	0.0007	Pulse	0.1000	3
Ag	107	115	He	0.070	ppb	94.3	33.33	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.099	ppb	76.6	4.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.239	ppb	N/A	3013.82	0.0150	Pulse	0.1000	3
Sb	121	209	He	0.622	ppb	59.0	56.67	0.0003	Pulse	0.1000	3
Ba	137	159	He	1859.287	ppb	1.3	43181.66	0.2153	Pulse	0.1000	3
Tl	205	209	He	0.179	ppb	59.2	210.01	0.0011	Pulse	0.1000	3
Pb	208	209	He	0.103	ppb	75.1	410.02	0.0022	Pulse	0.1000	3
U	238	209	He	0.199	ppb	5.4	266.68	0.0014	Pulse	0.1000	3

ISTD Table:

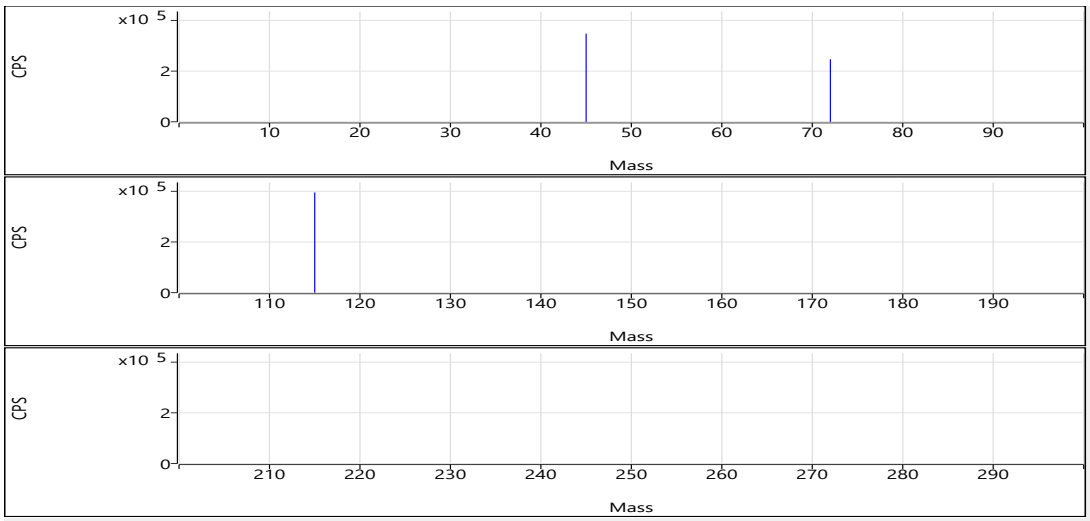
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	266446.43	0.8	115.0	Pulse	0.1000	3
No Gas	Ge	72	181661.57	0.9	110.2	Pulse	0.1000	3
H2	Sc	45	346337.57	1.0	101.4	Pulse	0.1000	3
H2	Ge	72	245774.20	0.4	100.1	Pulse	0.1000	3
H2	In	115	393823.65	0.8	101.0	Pulse	0.1000	3
He	Sc	45	20438.11	1.9	103.4	Pulse	0.1000	3
He	Ge	72	36958.15	3.4	98.7	Pulse	0.1000	3
He	In	115	39195.90	0.6	102.7	Pulse	0.1000	3
He	Tb	159	200575.65	1.1	102.5	Pulse	0.1000	3
He	Bi	209	185018.62	0.4	103.1	Pulse	0.1000	3

No Gas

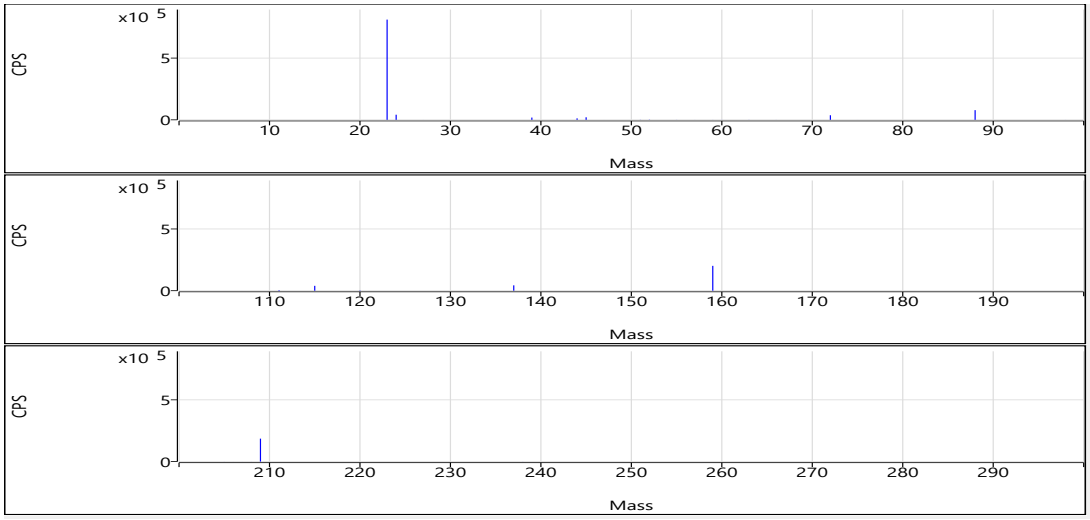


H2



Quantitation Report

He



Quantitation Report

Data File Name	097SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:01:26
Sample Name	410-224639-B-1-A
Sample Type	Sample
Comment	I16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

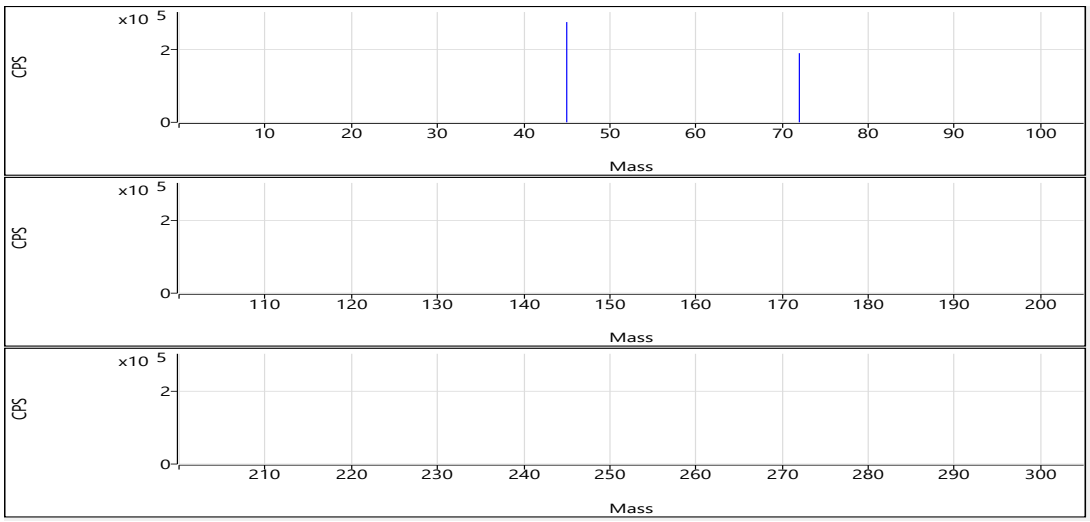
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.037	ppb	80.0	14.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.206	ppb	37.2	27.55	0.0001	Pulse	1.5000	3
Na	23	72	He	8032.997	ppb	1.0	828479.60	21.1262	Pulse	0.1000	3
Mg	24	72	He	2724.728	ppb	1.7	144178.39	3.6767	Pulse	0.1000	3
Al	27	72	He	9.560	ppb	11.7	200.01	0.0051	Pulse	0.1000	3
K	39	72	He	2611.103	ppb	2.0	83352.27	2.1255	Pulse	0.1000	3
Ca	44	72	He	5384.015	ppb	3.8	9313.26	0.2375	Pulse	0.1000	3
Ti	47	45	He	-0.610	ppb	N/A	6.67	0.0003	Pulse	0.1000	3
V	51	72	He	0.175	ppb	34.9	758.69	0.0193	Pulse	0.5000	3
Cr	52	72	He	-0.324	ppb	N/A	1350.13	0.0344	Pulse	0.1000	3
Mn	55	72	He	6.297	ppb	6.1	2180.25	0.0556	Pulse	0.1000	3
Fe	57	72	He	624.832	ppb	3.8	9763.61	0.2490	Pulse	0.1000	3
Co	59	72	He	0.082	ppb	69.6	233.34	0.0060	Pulse	0.1000	3
Ni	60	159	He	0.515	ppb	54.0	663.37	0.0032	Pulse	0.1000	3
Cu	63	72	He	32.839	ppb	1.5	37957.09	0.9679	Pulse	0.1000	3
Zn	66	72	He	107.689	ppb	3.8	14811.48	0.3777	Pulse	0.1000	3
As	75	115	He	0.002	ppb	1754.0	33.33	0.0008	Pulse	0.5000	3
Sr	88	115	He	29.345	ppb	1.2	12038.79	0.2986	Pulse	0.1000	3
Mo	98	159	He	0.145	ppb	11.1	190.01	0.0009	Pulse	0.1000	3
Ag	107	115	He	0.010	ppb	163.4	40.00	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.007	ppb	58.3	3.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.518	ppb	N/A	2753.71	0.0131	Pulse	0.1000	3
Sb	121	209	He	0.031	ppb	136.1	36.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	18.347	ppb	1.6	4507.59	0.0214	Pulse	0.1000	3
Tl	205	209	He	0.025	ppb	17.6	270.01	0.0014	Pulse	0.1000	3
Pb	208	209	He	0.277	ppb	10.4	3053.59	0.0158	Pulse	0.1000	3
U	238	209	He	0.031	ppb	18.2	406.69	0.0021	Pulse	0.1000	3

ISTD Table:

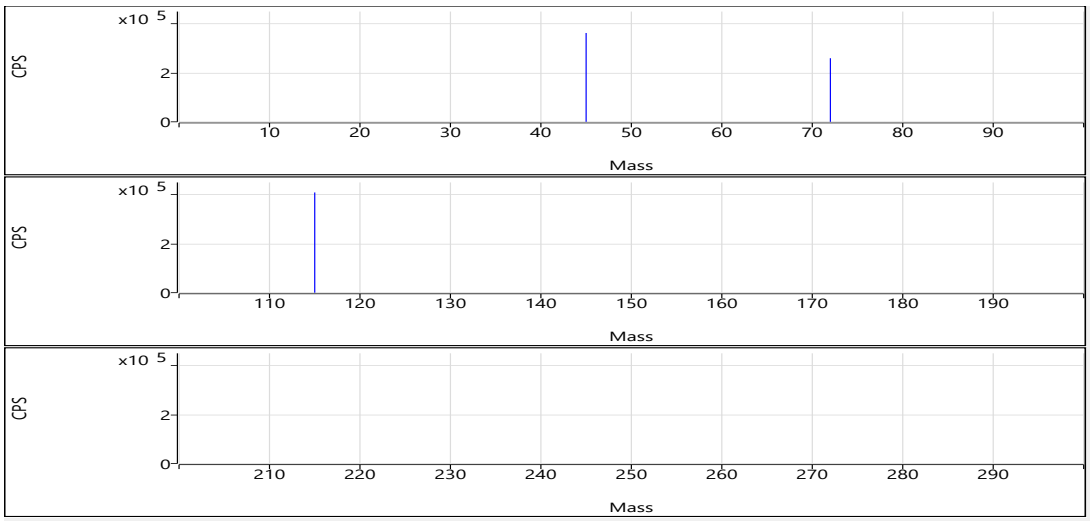
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	274963.83	1.9	118.7	Pulse	0.1000	3
No Gas	Ge	72	189638.66	2.6	115.0	Pulse	0.1000	3
H2	Sc	45	362286.91	0.2	106.1	Pulse	0.1000	3
H2	Ge	72	259368.45	1.2	105.6	Pulse	0.1000	3
H2	In	115	408738.76	0.6	104.8	Pulse	0.1000	3
He	Sc	45	21299.41	2.4	107.8	Pulse	0.1000	3
He	Ge	72	39217.38	0.6	104.7	Pulse	0.1000	3
He	In	115	40313.91	3.0	105.6	Pulse	0.1000	3
He	Tb	159	210219.25	0.5	107.4	Pulse	0.1000	3
He	Bi	209	193217.33	1.2	107.7	Pulse	0.1000	3

No Gas

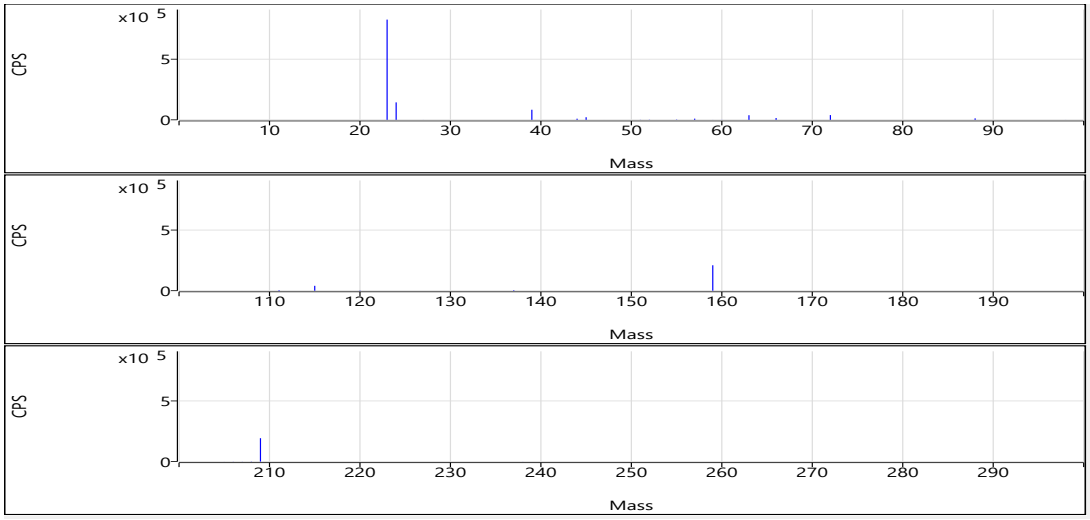


H2



Quantitation Report

He



Quantitation Report

Data File Name	099_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:05:47
Sample Name	CCV 7799630
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

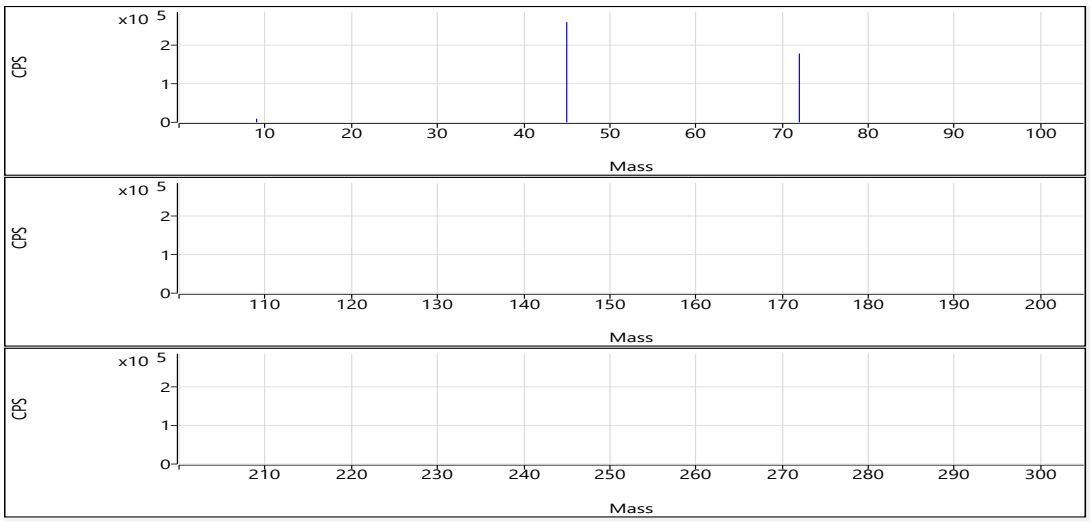
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.579	ppb	2.3	9492.36	0.0368	Pulse	0.5000	3
Se	78	72	H2	50.810	ppb	0.7	5092.02	0.0208	Pulse	1.5000	3
Na	23	72	He	4983.272	ppb	1.9	493184.89	13.1627	Pulse	0.1000	3
Mg	24	72	He	4971.336	ppb	3.2	250996.36	6.7005	Pulse	0.1000	3
Al	27	72	He	4893.137	ppb	1.8	73914.31	1.9727	Pulse	0.1000	3
K	39	72	He	5110.561	ppb	2.3	150233.30	4.0099	Pulse	0.1000	3
Ca	44	72	He	5098.217	ppb	2.3	8436.05	0.2250	Pulse	0.1000	3
Ti	47	45	He	4964.712	ppb	1.5	63471.52	3.0744	Pulse	0.1000	3
V	51	72	He	510.248	ppb	2.6	277962.16	7.4196	Pulse	0.5000	3
Cr	52	72	He	508.283	ppb	2.1	367094.51	9.7979	Pulse	0.1000	3
Mn	55	72	He	505.462	ppb	1.2	161101.79	4.2992	Pulse	0.1000	3
Fe	57	72	He	4975.174	ppb	1.9	73589.81	1.9640	Pulse	0.1000	3
Co	59	72	He	509.671	ppb	2.2	705260.64	18.8242	Pulse	0.1000	3
Ni	60	159	He	498.397	ppb	0.8	194249.95	0.9647	Pulse	0.1000	3
Cu	63	72	He	510.600	ppb	2.0	560763.55	14.9669	Pulse	0.1000	3
Zn	66	72	He	515.813	ppb	1.9	67410.74	1.7992	Pulse	0.1000	3
As	75	115	He	493.733	ppb	0.8	41529.54	1.0702	Pulse	0.5000	3
Sr	88	115	He	49.296	ppb	1.8	19430.52	0.5007	Pulse	0.1000	3
Mo	98	159	He	49.689	ppb	1.7	50574.33	0.2512	Pulse	0.1000	3
Ag	107	115	He	50.193	ppb	1.5	114311.70	2.9457	Pulse	0.1000	3
Cd	111	115	He	48.897	ppb	0.4	12901.96	0.3325	Pulse	0.5000	3
Sn	120	159	He	53.196	ppb	2.6	44658.93	0.2218	Pulse	0.1000	3
Sb	121	209	He	51.728	ppb	0.9	35392.26	0.1932	Pulse	0.1000	3
Ba	137	159	He	508.391	ppb	2.1	118427.08	0.5882	Pulse	0.1000	3
Tl	205	209	He	50.927	ppb	0.9	359814.23	1.9640	Pulse	0.1000	3
Pb	208	209	He	50.491	ppb	0.6	471664.65	2.5746	Pulse	0.1000	3
U	238	209	He	50.131	ppb	1.1	569420.18	3.1082	Pulse	0.1000	3

ISTD Table:

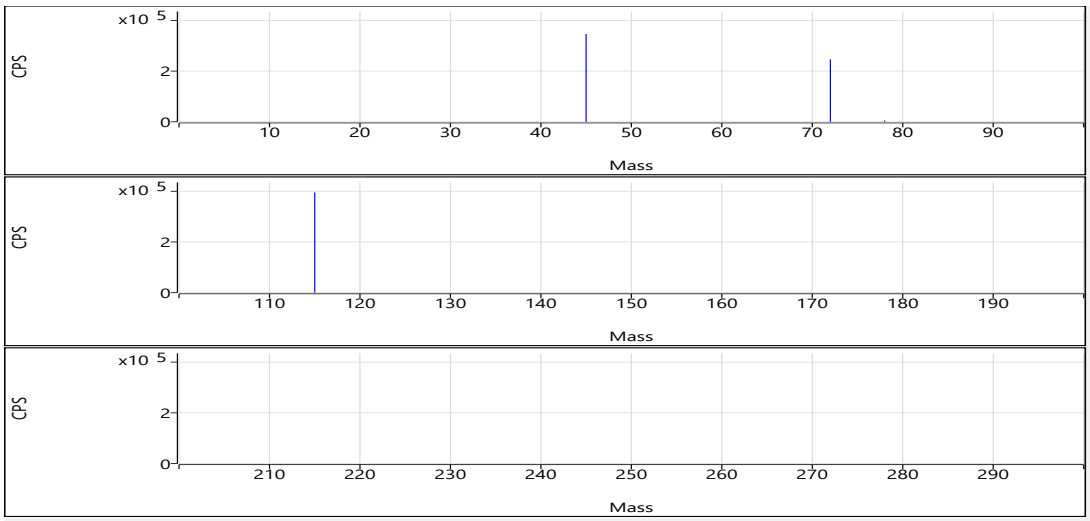
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	258330.58	1.7	111.5	Pulse	0.1000	3
No Gas	Ge	72	177181.27	0.4	107.5	Pulse	0.1000	3
H2	Sc	45	344521.52	0.3	100.9	Pulse	0.1000	3
H2	Ge	72	244947.89	0.3	99.8	Pulse	0.1000	3
H2	In	115	393191.94	0.3	100.8	Pulse	0.1000	3
He	Sc	45	20648.40	1.8	104.5	Pulse	0.1000	3
He	Ge	72	37479.54	2.5	100.1	Pulse	0.1000	3
He	In	115	38807.29	0.6	101.7	Pulse	0.1000	3
He	Tb	159	201349.14	0.9	102.9	Pulse	0.1000	3
He	Bi	209	183203.93	0.3	102.1	Pulse	0.1000	3

No Gas

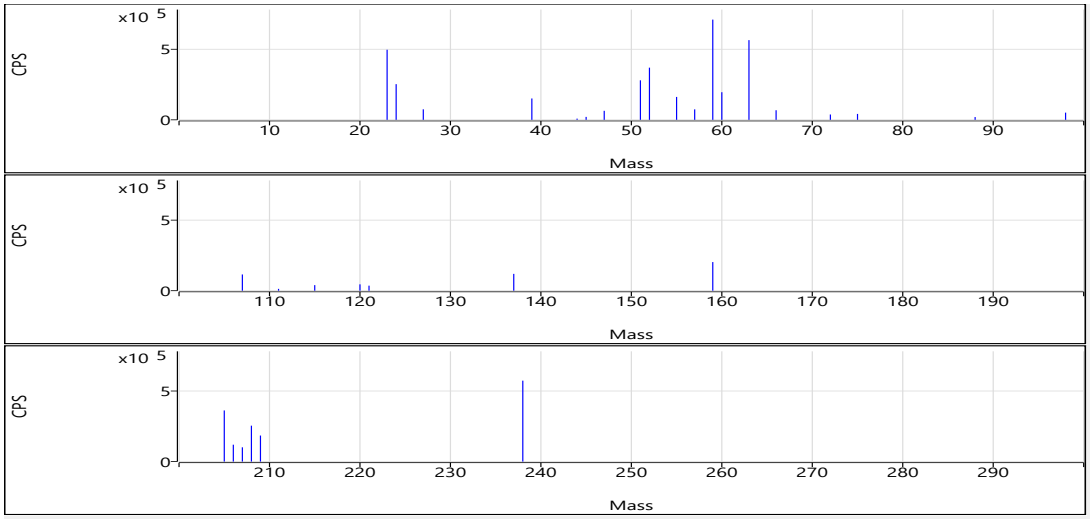


H2



Quantitation Report

He



Quantitation Report

Data File Name	101_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:10:08
Sample Name	CCB 7792565
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

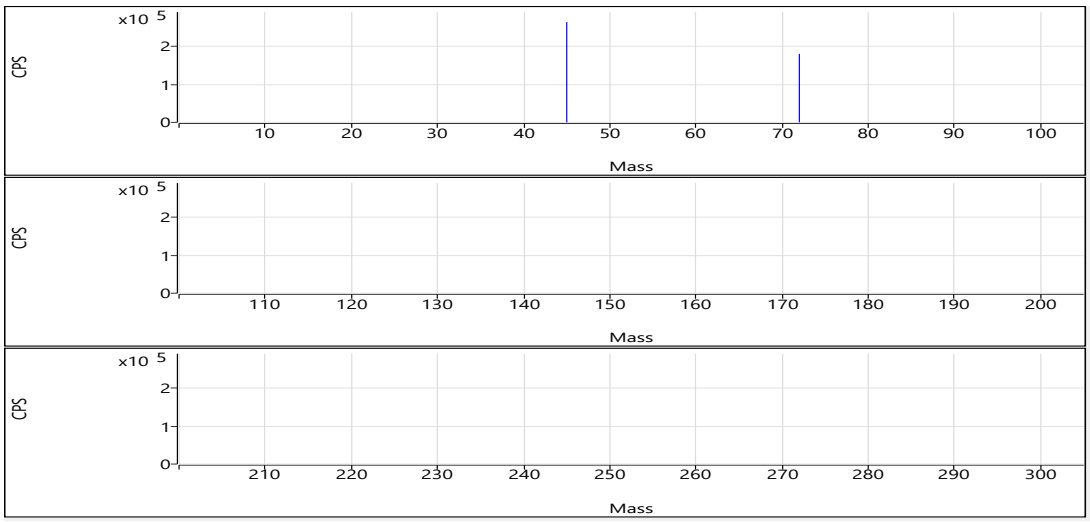
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.063	ppb	59.8	19.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.029	ppb	35.9	8.22	0.0000	Pulse	1.5000	3
Na	23	72	He	6.980	ppb	50.6	6314.89	0.1685	Pulse	0.1000	3
Mg	24	72	He	2.375	ppb	65.0	470.02	0.0125	Pulse	0.1000	3
Al	27	72	He	3.520	ppb	32.8	100.00	0.0027	Pulse	0.1000	3
K	39	72	He	7.924	ppb	218.8	6104.85	0.1630	Pulse	0.1000	3
Ca	44	72	He	-5.952	ppb	N/A	60.00	0.0016	Pulse	0.1000	3
Ti	47	45	He	0.487	ppb	161.9	20.00	0.0010	Pulse	0.1000	3
V	51	72	He	0.146	ppb	62.4	710.69	0.0189	Pulse	0.5000	3
Cr	52	72	He	0.001	ppb	30232.9	1526.80	0.0407	Pulse	0.1000	3
Mn	55	72	He	0.208	ppb	32.7	143.34	0.0038	Pulse	0.1000	3
Fe	57	72	He	0.233	ppb	920.6	103.34	0.0028	Pulse	0.1000	3
Co	59	72	He	0.105	ppb	46.9	256.68	0.0068	Pulse	0.1000	3
Ni	60	159	He	-0.034	ppb	N/A	420.02	0.0021	Pulse	0.1000	3
Cu	63	72	He	0.083	ppb	52.3	303.35	0.0081	Pulse	0.1000	3
Zn	66	72	He	0.185	ppb	178.9	123.34	0.0033	Pulse	0.1000	3
As	75	115	He	0.251	ppb	49.6	52.67	0.0014	Pulse	0.5000	3
Sr	88	115	He	0.093	ppb	72.6	83.33	0.0022	Pulse	0.1000	3
Mo	98	159	He	0.052	ppb	40.7	86.67	0.0004	Pulse	0.1000	3
Ag	107	115	He	0.012	ppb	85.0	43.33	0.0011	Pulse	0.1000	3
Cd	111	115	He	0.002	ppb	535.8	2.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.129	ppb	N/A	2927.09	0.0146	Pulse	0.1000	3
Sb	121	209	He	0.072	ppb	30.8	63.33	0.0003	Pulse	0.1000	3
Ba	137	159	He	0.039	ppb	359.1	53.33	0.0003	Pulse	0.1000	3
Tl	205	209	He	0.018	ppb	28.3	206.68	0.0011	Pulse	0.1000	3
Pb	208	209	He	0.004	ppb	182.9	350.01	0.0019	Pulse	0.1000	3
U	238	209	He	0.011	ppb	32.3	166.67	0.0009	Pulse	0.1000	3

ISTD Table:

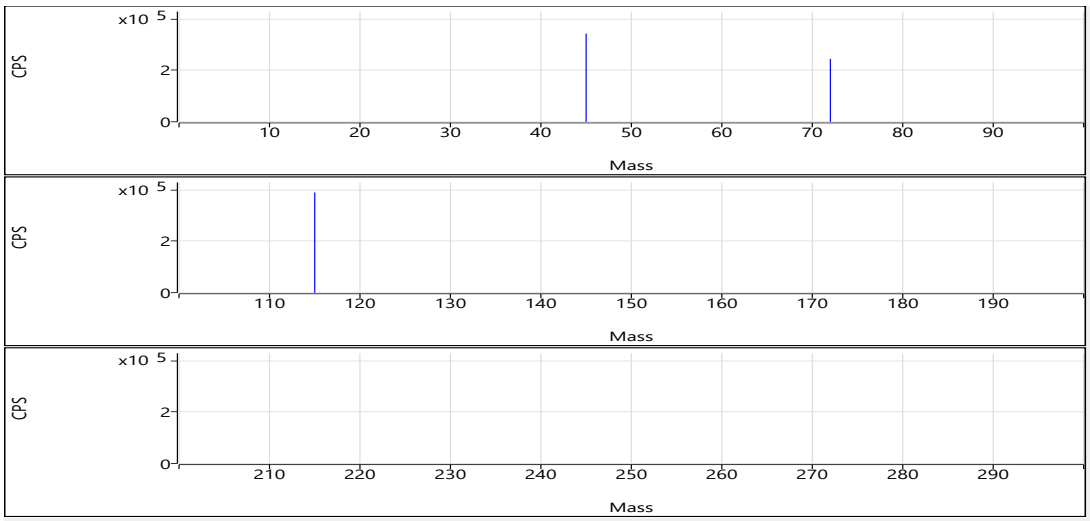
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	264763.98	0.7	114.3	Pulse	0.1000	3
No Gas	Ge	72	180655.54	1.7	109.6	Pulse	0.1000	3
H2	Sc	45	342947.76	1.5	100.4	Pulse	0.1000	3
H2	Ge	72	244858.91	1.3	99.7	Pulse	0.1000	3
H2	In	115	389693.52	0.8	99.9	Pulse	0.1000	3
He	Sc	45	20231.15	1.6	102.4	Pulse	0.1000	3
He	Ge	72	37509.46	2.4	100.1	Pulse	0.1000	3
He	In	115	38624.87	1.7	101.2	Pulse	0.1000	3
He	Tb	159	200464.00	1.0	102.4	Pulse	0.1000	3
He	Bi	209	183739.87	0.1	102.4	Pulse	0.1000	3

No Gas

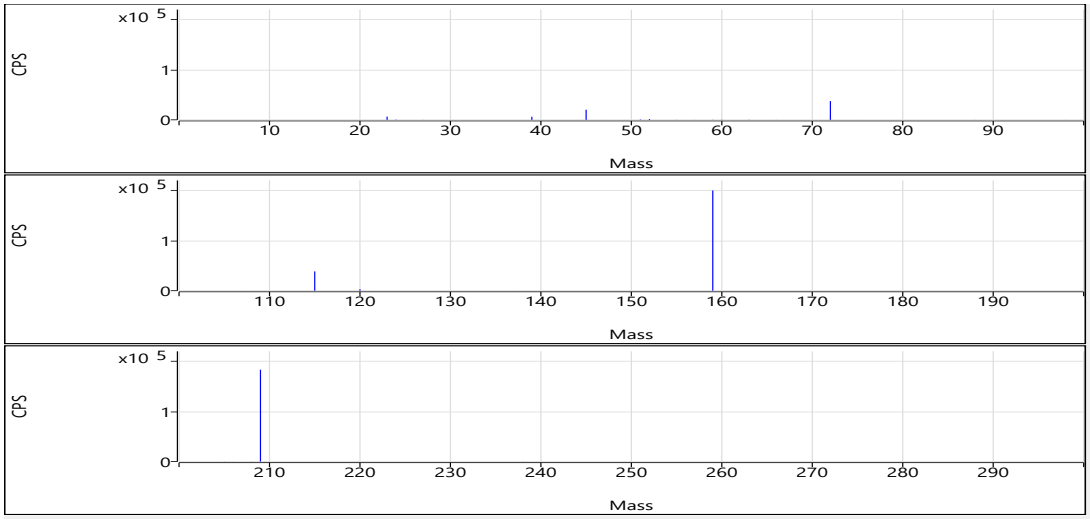


H2



Quantitation Report

He



Quantitation Report

Data File Name	102SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:12:17
Sample Name	410-225685-D-2-B
Sample Type	Sample
Comment	F4
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

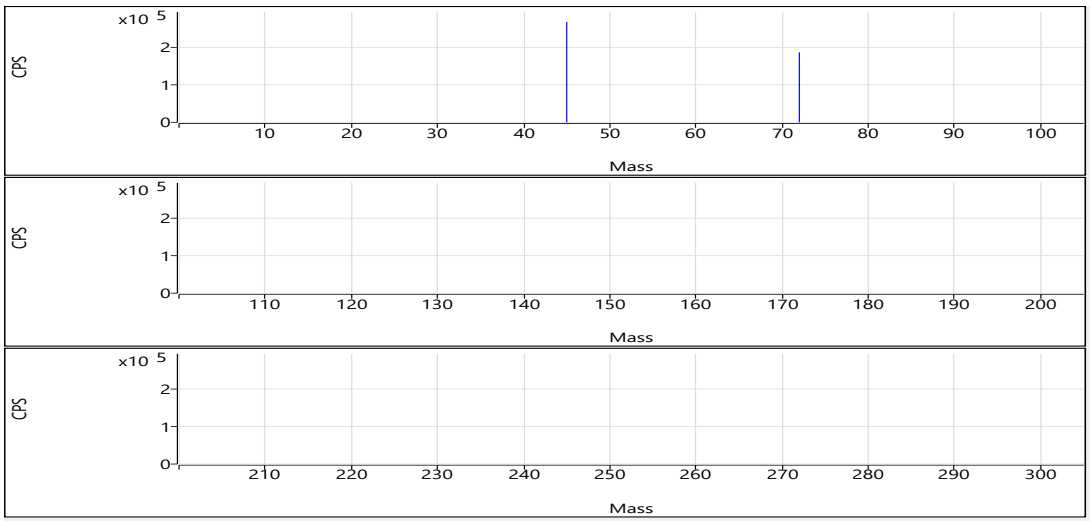
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.058	ppb	51.2	18.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.092	ppb	14.4	15.33	0.0001	Pulse	1.5000	3
Na	23	72	He	64802.077	ppb	1.4	6661512.40	169.3632	Analog	0.1000	3
Mg	24	72	He	11625.150	ppb	1.5	615795.00	15.6561	Pulse	0.1000	3
Al	27	72	He	133.641	ppb	1.7	2166.91	0.0551	Pulse	0.1000	3
K	39	72	He	3248.003	ppb	1.1	102491.81	2.6057	Pulse	0.1000	3
Ca	44	72	He	12367.678	ppb	4.3	21359.35	0.5432	Pulse	0.1000	3
Ti	47	45	He	2.574	ppb	112.2	50.00	0.0023	Pulse	0.1000	3
V	51	72	He	2.906	ppb	4.2	2318.86	0.0590	Pulse	0.5000	3
Cr	52	72	He	-0.234	ppb	N/A	1423.45	0.0362	Pulse	0.1000	3
Mn	55	72	He	3.741	ppb	13.4	1330.11	0.0339	Pulse	0.1000	3
Fe	57	72	He	81.338	ppb	3.6	1366.77	0.0347	Pulse	0.1000	3
Co	59	72	He	0.118	ppb	15.7	286.68	0.0073	Pulse	0.1000	3
Ni	60	159	He	0.747	ppb	40.1	746.72	0.0036	Pulse	0.1000	3
Cu	63	72	He	1.711	ppb	14.9	2193.58	0.0558	Pulse	0.1000	3
Zn	66	72	He	5.346	ppb	13.1	836.72	0.0213	Pulse	0.1000	3
As	75	115	He	1.593	ppb	13.2	169.33	0.0043	Pulse	0.5000	3
Sr	88	115	He	118.979	ppb	0.8	47881.28	1.2067	Pulse	0.1000	3
Mo	98	159	He	0.540	ppb	13.6	600.04	0.0029	Pulse	0.1000	3
Ag	107	115	He	0.001	ppb	373.2	20.00	0.0005	Pulse	0.1000	3
Cd	111	115	He	0.025	ppb	89.9	8.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.858	ppb	N/A	2436.97	0.0118	Pulse	0.1000	3
Sb	121	209	He	0.146	ppb	15.8	116.67	0.0006	Pulse	0.1000	3
Ba	137	159	He	17.841	ppb	5.6	4317.52	0.0209	Pulse	0.1000	3
Tl	205	209	He	0.019	ppb	47.3	223.35	0.0012	Pulse	0.1000	3
Pb	208	209	He	0.032	ppb	22.0	623.36	0.0033	Pulse	0.1000	3
U	238	209	He	0.157	ppb	5.3	1870.20	0.0099	Pulse	0.1000	3

ISTD Table:

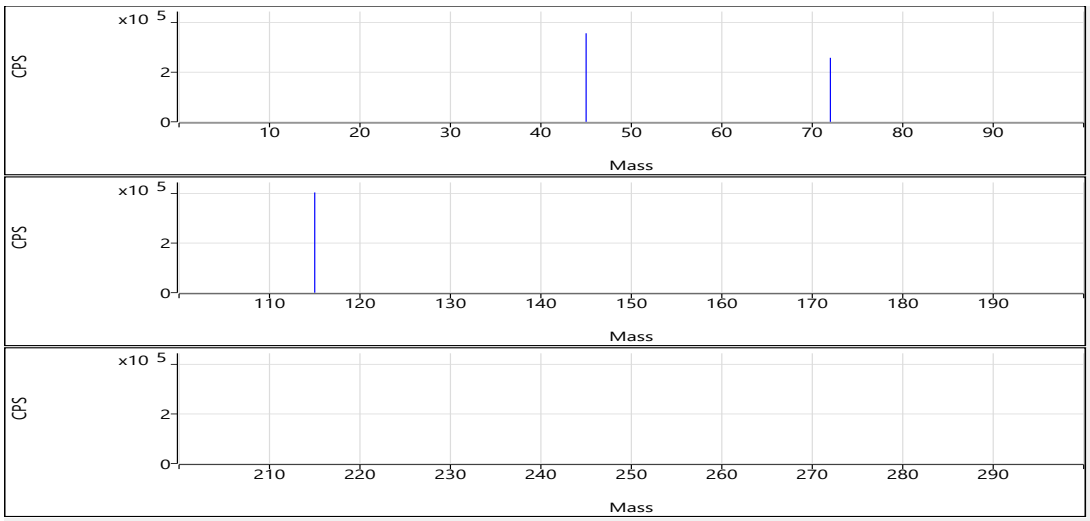
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	268740.04	1.4	116.0	Pulse	0.1000	3
No Gas	Ge	72	187492.40	1.5	113.7	Pulse	0.1000	3
H2	Sc	45	358393.63	0.6	105.0	Pulse	0.1000	3
H2	Ge	72	259108.17	0.6	105.5	Pulse	0.1000	3
H2	In	115	405690.54	0.4	104.0	Pulse	0.1000	3
He	Sc	45	21606.43	2.9	109.4	Pulse	0.1000	3
He	Ge	72	39337.66	1.4	105.0	Pulse	0.1000	3
He	In	115	39681.62	2.0	104.0	Pulse	0.1000	3
He	Tb	159	207049.75	0.6	105.8	Pulse	0.1000	3
He	Bi	209	187999.79	1.4	104.8	Pulse	0.1000	3

No Gas

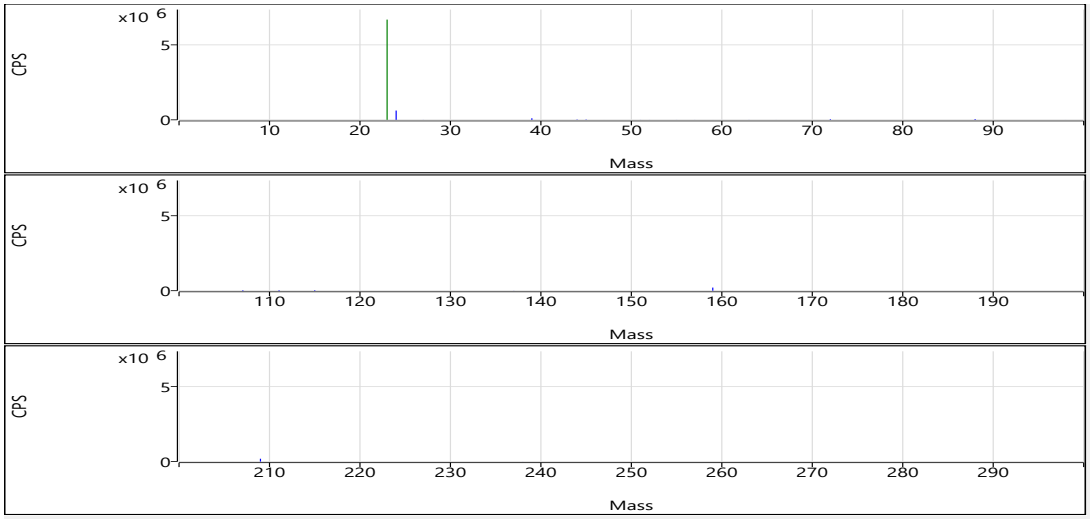


H2



Quantitation Report

He



Quantitation Report

Data File Name	103SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:14:27
Sample Name	410-225685-D-4-B
Sample Type	Sample
Comment	F4
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

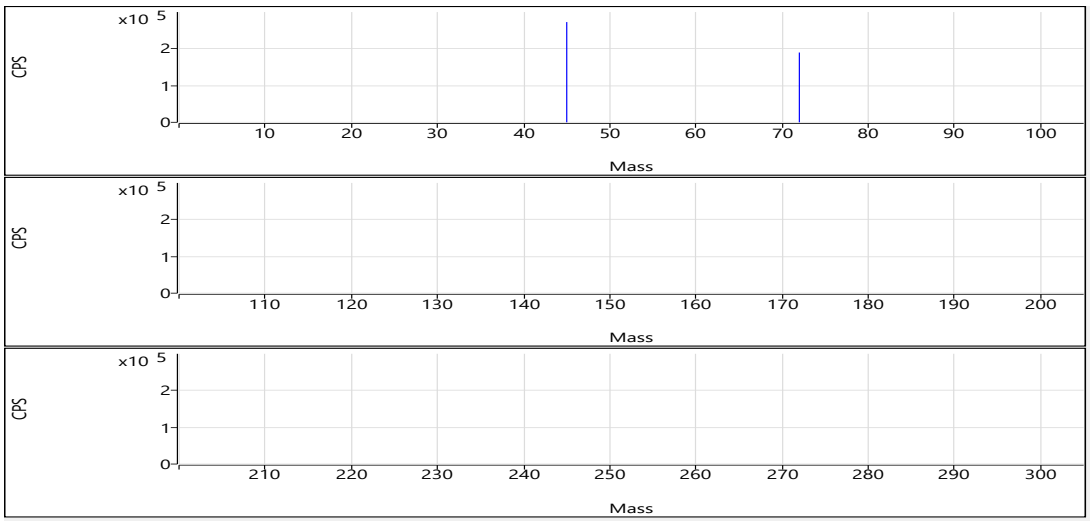
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.058	ppb	20.9	18.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.063	ppb	50.8	12.22	0.0000	Pulse	1.5000	3
Na	23	72	He	66694.502	ppb	1.4	6779076.56	174.3048	Analog	0.1000	3
Mg	24	72	He	12752.190	ppb	1.6	667877.31	17.1730	Pulse	0.1000	3
Al	27	72	He	19.635	ppb	14.8	356.69	0.0092	Pulse	0.1000	3
K	39	72	He	3154.813	ppb	2.5	98598.82	2.5354	Pulse	0.1000	3
Ca	44	72	He	13894.939	ppb	0.7	23726.41	0.6100	Pulse	0.1000	3
Ti	47	45	He	0.933	ppb	124.7	26.67	0.0013	Pulse	0.1000	3
V	51	72	He	2.414	ppb	4.5	2015.49	0.0518	Pulse	0.5000	3
Cr	52	72	He	-0.230	ppb	N/A	1410.12	0.0363	Pulse	0.1000	3
Mn	55	72	He	19.299	ppb	7.9	6464.98	0.1661	Pulse	0.1000	3
Fe	57	72	He	22.167	ppb	13.7	443.36	0.0114	Pulse	0.1000	3
Co	59	72	He	0.160	ppb	7.5	343.35	0.0088	Pulse	0.1000	3
Ni	60	159	He	1.958	ppb	5.2	1223.43	0.0059	Pulse	0.1000	3
Cu	63	72	He	1.466	ppb	12.7	1890.19	0.0486	Pulse	0.1000	3
Zn	66	72	He	1.695	ppb	30.3	333.35	0.0086	Pulse	0.1000	3
As	75	115	He	2.039	ppb	7.7	210.00	0.0052	Pulse	0.5000	3
Sr	88	115	He	135.295	ppb	0.8	55016.64	1.3721	Pulse	0.1000	3
Mo	98	159	He	0.733	ppb	20.9	796.73	0.0039	Pulse	0.1000	3
Ag	107	115	He	0.015	ppb	57.8	53.33	0.0013	Pulse	0.1000	3
Cd	111	115	He	0.010	ppb	76.4	4.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.739	ppb	N/A	2520.33	0.0122	Pulse	0.1000	3
Sb	121	209	He	0.066	ppb	38.9	60.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	18.351	ppb	1.7	4414.22	0.0214	Pulse	0.1000	3
Tl	205	209	He	0.015	ppb	41.6	193.34	0.0010	Pulse	0.1000	3
Pb	208	209	He	0.017	ppb	15.9	480.02	0.0026	Pulse	0.1000	3
U	238	209	He	0.188	ppb	8.9	2213.60	0.0119	Pulse	0.1000	3

ISTD Table:

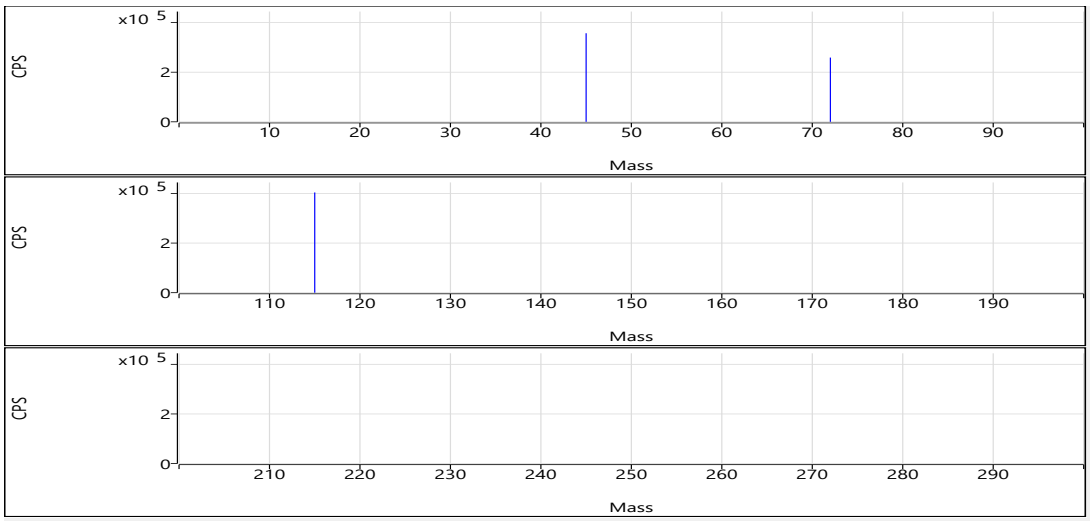
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	271840.01	0.6	117.4	Pulse	0.1000	3
No Gas	Ge	72	189258.55	1.7	114.8	Pulse	0.1000	3
H2	Sc	45	356658.04	0.2	104.4	Pulse	0.1000	3
H2	Ge	72	258659.45	0.6	105.4	Pulse	0.1000	3
H2	In	115	403560.24	0.3	103.5	Pulse	0.1000	3
He	Sc	45	21029.09	0.9	106.4	Pulse	0.1000	3
He	Ge	72	38896.79	1.4	103.8	Pulse	0.1000	3
He	In	115	40098.56	0.5	105.0	Pulse	0.1000	3
He	Tb	159	205847.61	1.3	105.2	Pulse	0.1000	3
He	Bi	209	186554.19	1.7	104.0	Pulse	0.1000	3

No Gas

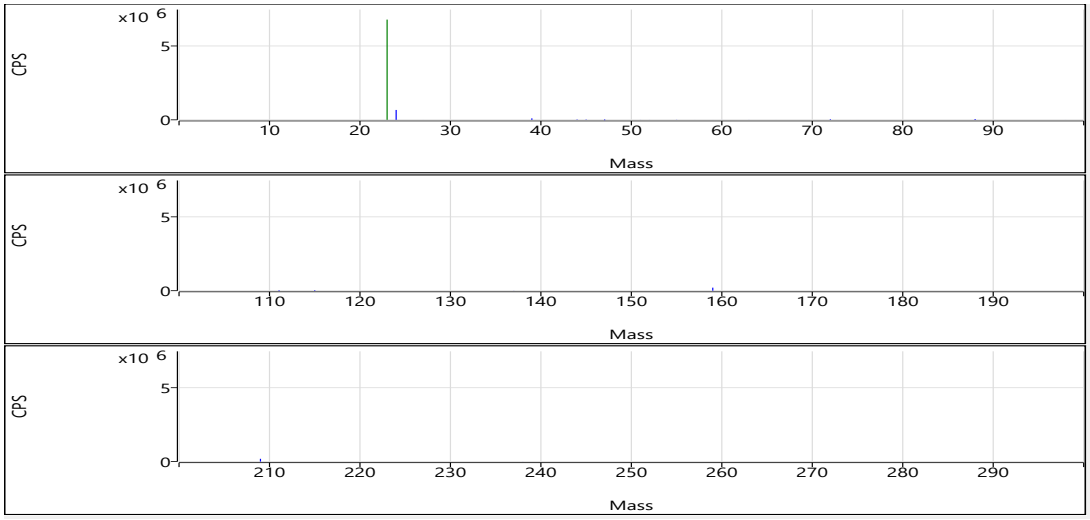


H2



Quantitation Report

He



Quantitation Report

Data File Name	104SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:16:36
Sample Name	410-225685-D-6-B
Sample Type	Sample
Comment	F4
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

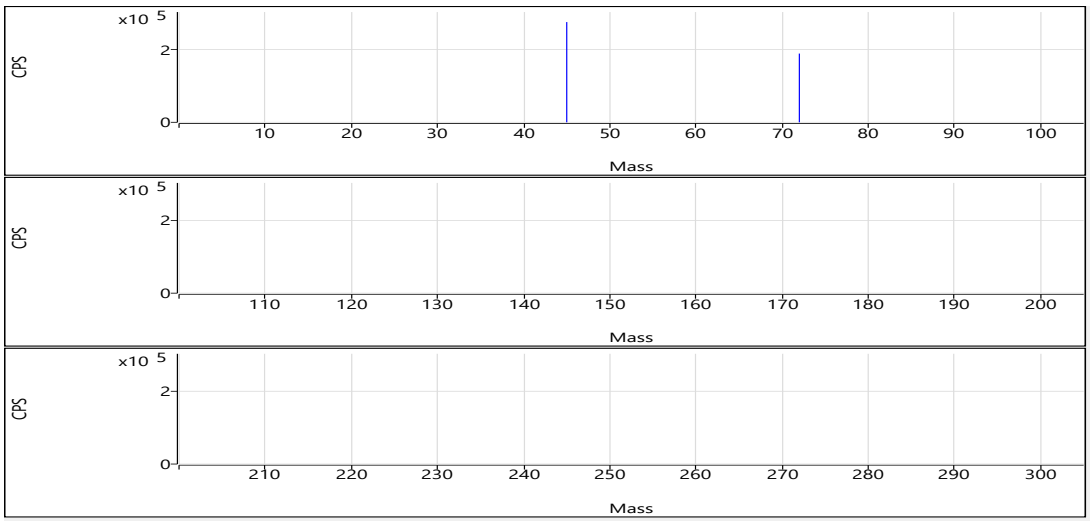
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.077	ppb	39.4	22.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.102	ppb	18.5	16.44	0.0001	Pulse	1.5000	3
Na	23	72	He	67805.049	ppb	0.3	7026565.94	177.2046	Analog	0.1000	3
Mg	24	72	He	12604.524	ppb	0.2	673068.19	16.9743	Pulse	0.1000	3
Al	27	72	He	13.588	ppb	22.8	266.68	0.0067	Pulse	0.1000	3
K	39	72	He	3424.745	ppb	1.7	108605.52	2.7389	Pulse	0.1000	3
Ca	44	72	He	13947.269	ppb	1.9	24277.42	0.6123	Pulse	0.1000	3
Ti	47	45	He	0.383	ppb	518.1	20.00	0.0009	Pulse	0.1000	3
V	51	72	He	2.306	ppb	4.1	1992.81	0.0503	Pulse	0.5000	3
Cr	52	72	He	-0.327	ppb	N/A	1363.45	0.0344	Pulse	0.1000	3
Mn	55	72	He	0.541	ppb	14.4	263.35	0.0066	Pulse	0.1000	3
Fe	57	72	He	22.456	ppb	16.2	456.69	0.0115	Pulse	0.1000	3
Co	59	72	He	0.078	ppb	41.0	230.01	0.0058	Pulse	0.1000	3
Ni	60	159	He	1.228	ppb	24.7	933.40	0.0045	Pulse	0.1000	3
Cu	63	72	He	1.372	ppb	3.9	1820.18	0.0459	Pulse	0.1000	3
Zn	66	72	He	1.649	ppb	18.4	333.35	0.0084	Pulse	0.1000	3
As	75	115	He	2.310	ppb	6.5	232.00	0.0058	Pulse	0.5000	3
Sr	88	115	He	136.444	ppb	1.0	55154.03	1.3837	Pulse	0.1000	3
Mo	98	159	He	0.726	ppb	6.7	790.05	0.0038	Pulse	0.1000	3
Ag	107	115	He	0.015	ppb	88.2	53.33	0.0013	Pulse	0.1000	3
Cd	111	115	He	-0.003	ppb	N/A	0.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.677	ppb	N/A	2566.99	0.0125	Pulse	0.1000	3
Sb	121	209	He	0.133	ppb	7.4	106.67	0.0006	Pulse	0.1000	3
Ba	137	159	He	16.501	ppb	6.3	3970.72	0.0193	Pulse	0.1000	3
Tl	205	209	He	0.008	ppb	140.3	143.34	0.0008	Pulse	0.1000	3
Pb	208	209	He	0.025	ppb	20.8	553.36	0.0030	Pulse	0.1000	3
U	238	209	He	0.150	ppb	10.1	1773.52	0.0095	Pulse	0.1000	3

ISTD Table:

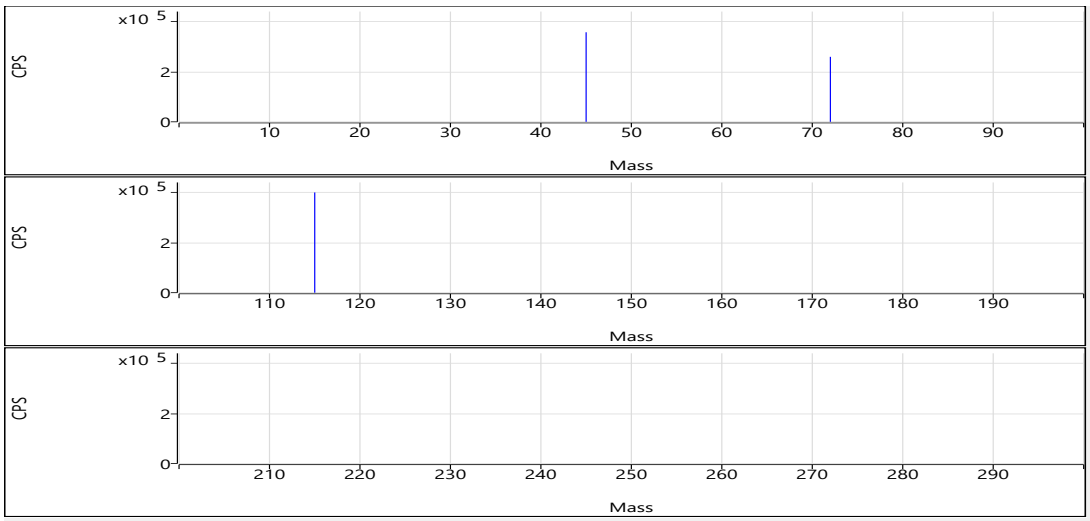
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	273446.55	0.7	118.1	Pulse	0.1000	3
No Gas	Ge	72	187495.43	0.5	113.7	Pulse	0.1000	3
H2	Sc	45	357211.14	0.5	104.6	Pulse	0.1000	3
H2	Ge	72	259246.18	1.1	105.6	Pulse	0.1000	3
H2	In	115	399830.71	0.3	102.5	Pulse	0.1000	3
He	Sc	45	21736.60	1.2	110.0	Pulse	0.1000	3
He	Ge	72	39652.05	0.4	105.9	Pulse	0.1000	3
He	In	115	39861.01	1.3	104.4	Pulse	0.1000	3
He	Tb	159	205697.56	0.6	105.1	Pulse	0.1000	3
He	Bi	209	186844.02	1.6	104.1	Pulse	0.1000	3

No Gas

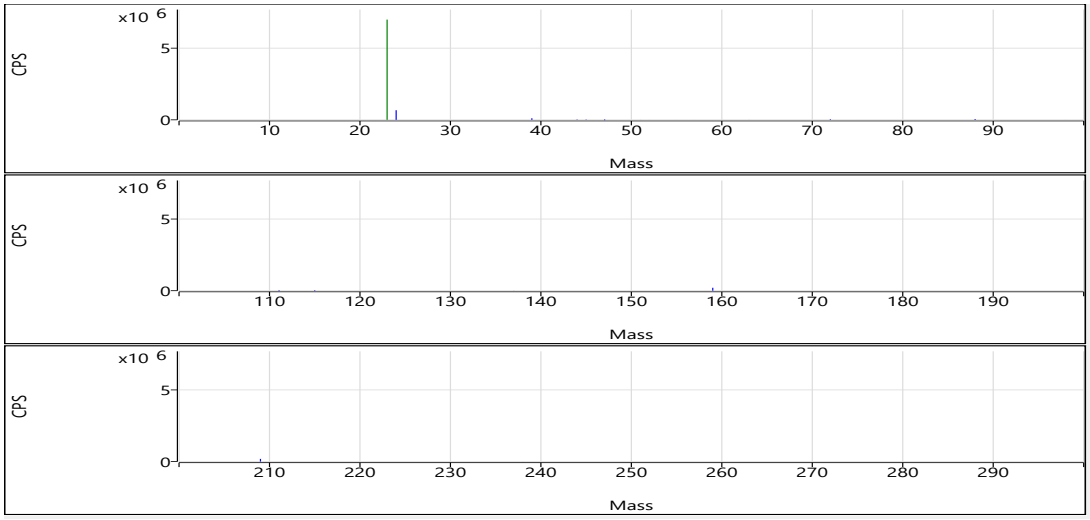


H2



Quantitation Report

He



Quantitation Report

Data File Name	105SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:18:46
Sample Name	410-225685-D-3-D
Sample Type	Sample
Comment	F4
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

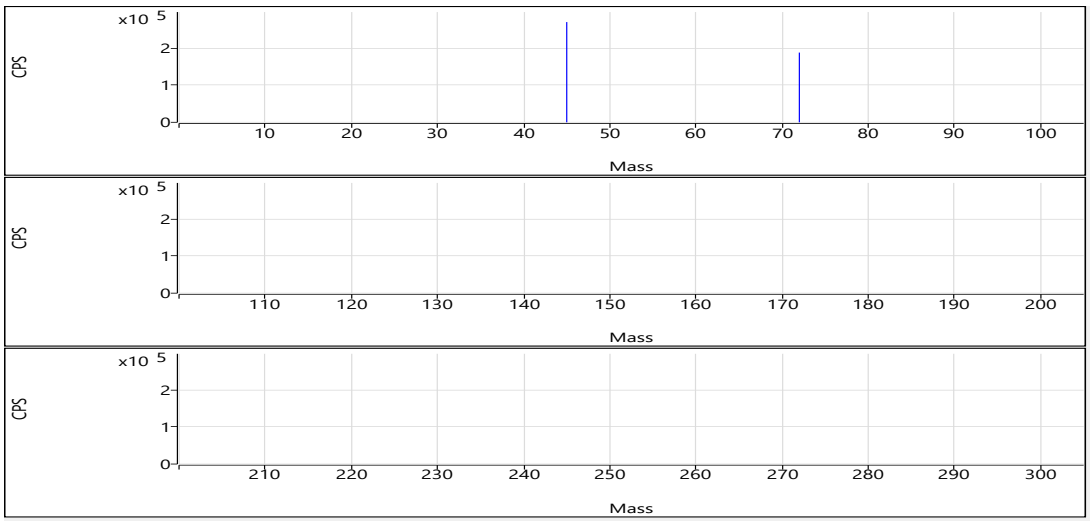
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.022	ppb	72.3	11.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.050	ppb	30.5	10.89	0.0000	Pulse	1.5000	3
Na	23	72	He	66722.600	ppb	2.6	6795025.52	174.3781	Analog	0.1000	3
Mg	24	72	He	12715.537	ppb	2.4	667287.05	17.1237	Pulse	0.1000	3
Al	27	72	He	29.646	ppb	16.3	513.36	0.0132	Pulse	0.1000	3
K	39	72	He	3195.224	ppb	1.9	100011.98	2.5659	Pulse	0.1000	3
Ca	44	72	He	13856.372	ppb	3.2	23706.58	0.6083	Pulse	0.1000	3
Ti	47	45	He	-0.350	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	2.380	ppb	3.4	2000.82	0.0513	Pulse	0.5000	3
Cr	52	72	He	-0.219	ppb	N/A	1420.12	0.0365	Pulse	0.1000	3
Mn	55	72	He	16.332	ppb	6.3	5487.93	0.1409	Pulse	0.1000	3
Fe	57	72	He	19.449	ppb	10.8	403.35	0.0103	Pulse	0.1000	3
Co	59	72	He	0.116	ppb	33.9	280.01	0.0072	Pulse	0.1000	3
Ni	60	159	He	1.790	ppb	11.7	1153.42	0.0056	Pulse	0.1000	3
Cu	63	72	He	1.298	ppb	8.7	1703.49	0.0437	Pulse	0.1000	3
Zn	66	72	He	1.100	ppb	26.3	253.35	0.0065	Pulse	0.1000	3
As	75	115	He	2.343	ppb	2.6	232.67	0.0059	Pulse	0.5000	3
Sr	88	115	He	136.574	ppb	3.4	54632.05	1.3850	Pulse	0.1000	3
Mo	98	159	He	0.706	ppb	10.2	766.72	0.0037	Pulse	0.1000	3
Ag	107	115	He	0.001	ppb	709.1	20.00	0.0005	Pulse	0.1000	3
Cd	111	115	He	0.005	ppb	87.4	2.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.863	ppb	N/A	2410.30	0.0118	Pulse	0.1000	3
Sb	121	209	He	0.090	ppb	35.6	76.67	0.0004	Pulse	0.1000	3
Ba	137	159	He	18.427	ppb	9.4	4417.55	0.0215	Pulse	0.1000	3
Tl	205	209	He	0.006	ppb	23.6	126.67	0.0007	Pulse	0.1000	3
Pb	208	209	He	0.015	ppb	83.9	456.69	0.0025	Pulse	0.1000	3
U	238	209	He	0.189	ppb	3.0	2213.60	0.0119	Pulse	0.1000	3

ISTD Table:

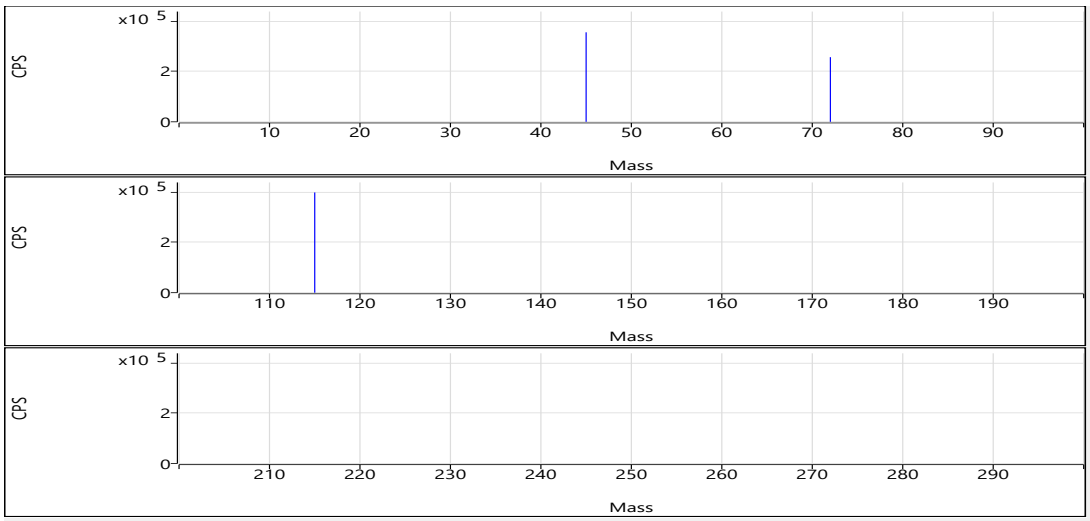
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	270033.76	0.6	116.6	Pulse	0.1000	3
No Gas	Ge	72	187848.75	0.3	113.9	Pulse	0.1000	3
H2	Sc	45	356264.82	0.6	104.3	Pulse	0.1000	3
H2	Ge	72	257311.81	0.9	104.8	Pulse	0.1000	3
H2	In	115	398943.22	0.3	102.3	Pulse	0.1000	3
He	Sc	45	21189.21	2.0	107.2	Pulse	0.1000	3
He	Ge	72	38983.61	2.4	104.1	Pulse	0.1000	3
He	In	115	39461.22	1.9	103.4	Pulse	0.1000	3
He	Tb	159	205132.03	0.8	104.8	Pulse	0.1000	3
He	Bi	209	185551.70	1.3	103.4	Pulse	0.1000	3

No Gas

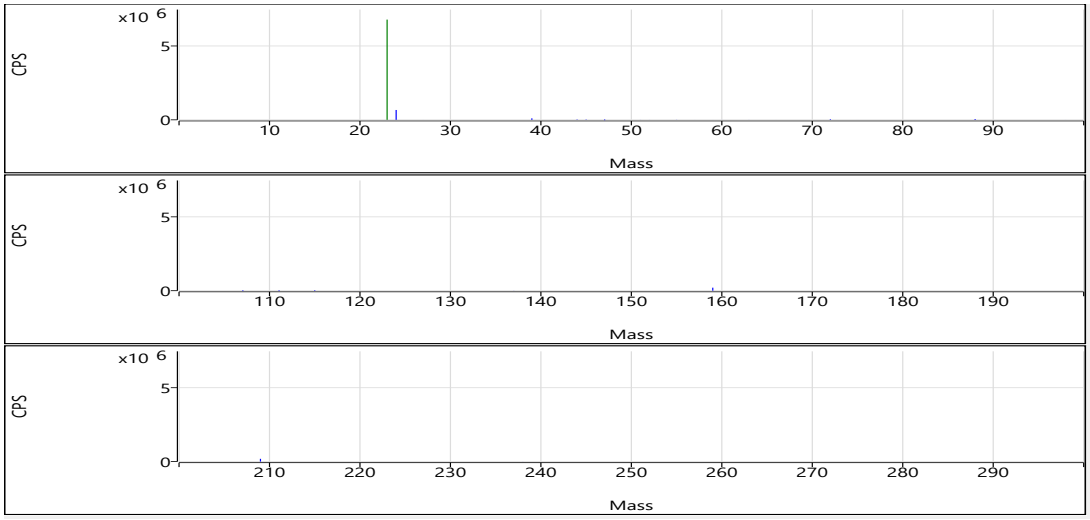


H2



Quantitation Report

He



Quantitation Report

Data File Name	106SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:20:55
Sample Name	410-225685-A-3-B DU
Sample Type	Sample
Comment	F4
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

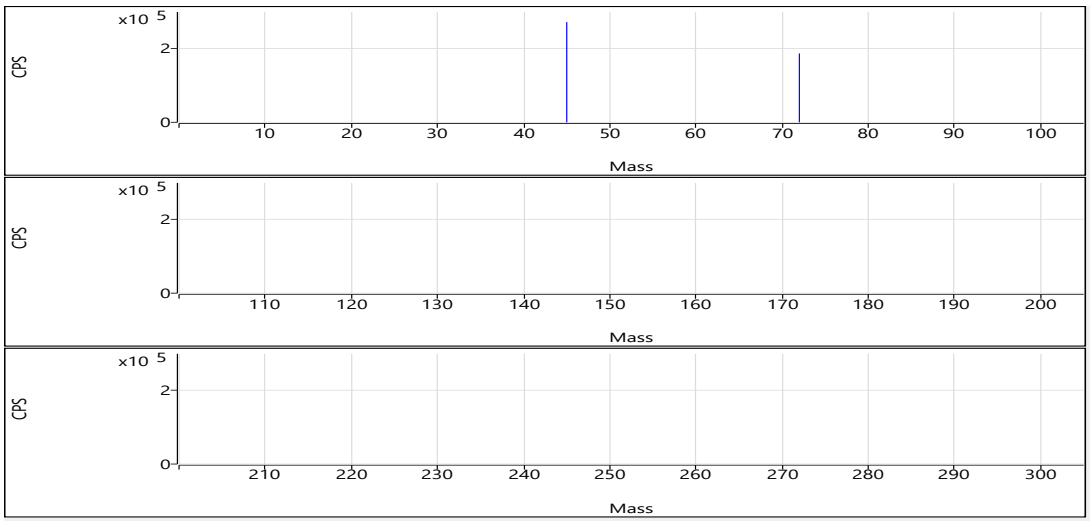
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.041	ppb	61.4	15.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.061	ppb	18.2	12.00	0.0000	Pulse	1.5000	3
Na	23	72	He	65495.165	ppb	2.8	6750836.15	171.1730	Analog	0.1000	3
Mg	24	72	He	12505.501	ppb	2.5	664218.32	16.8410	Pulse	0.1000	3
Al	27	72	He	17.648	ppb	11.0	330.01	0.0084	Pulse	0.1000	3
K	39	72	He	3102.418	ppb	2.1	98451.18	2.4959	Pulse	0.1000	3
Ca	44	72	He	13734.644	ppb	2.5	23783.34	0.6030	Pulse	0.1000	3
Ti	47	45	He	0.164	ppb	704.4	16.67	0.0008	Pulse	0.1000	3
V	51	72	He	2.257	ppb	7.0	1956.14	0.0496	Pulse	0.5000	3
Cr	52	72	He	-0.327	ppb	N/A	1356.78	0.0344	Pulse	0.1000	3
Mn	55	72	He	16.073	ppb	4.9	5471.21	0.1387	Pulse	0.1000	3
Fe	57	72	He	20.299	ppb	30.8	420.02	0.0107	Pulse	0.1000	3
Co	59	72	He	0.114	ppb	66.9	280.02	0.0071	Pulse	0.1000	3
Ni	60	159	He	1.801	ppb	16.1	1166.75	0.0056	Pulse	0.1000	3
Cu	63	72	He	1.168	ppb	6.7	1573.47	0.0399	Pulse	0.1000	3
Zn	66	72	He	1.257	ppb	41.6	276.68	0.0070	Pulse	0.1000	3
As	75	115	He	2.322	ppb	4.9	232.67	0.0059	Pulse	0.5000	3
Sr	88	115	He	134.981	ppb	1.9	54424.50	1.3689	Pulse	0.1000	3
Mo	98	159	He	0.751	ppb	11.5	820.06	0.0040	Pulse	0.1000	3
Ag	107	115	He	0.005	ppb	136.0	30.00	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.012	ppb	127.4	4.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.786	ppb	N/A	2493.65	0.0121	Pulse	0.1000	3
Sb	121	209	He	0.052	ppb	1.2	50.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	17.772	ppb	8.3	4297.51	0.0208	Pulse	0.1000	3
Tl	205	209	He	0.006	ppb	66.0	126.67	0.0007	Pulse	0.1000	3
Pb	208	209	He	0.014	ppb	139.7	450.02	0.0024	Pulse	0.1000	3
U	238	209	He	0.199	ppb	12.0	2323.64	0.0125	Pulse	0.1000	3

ISTD Table:

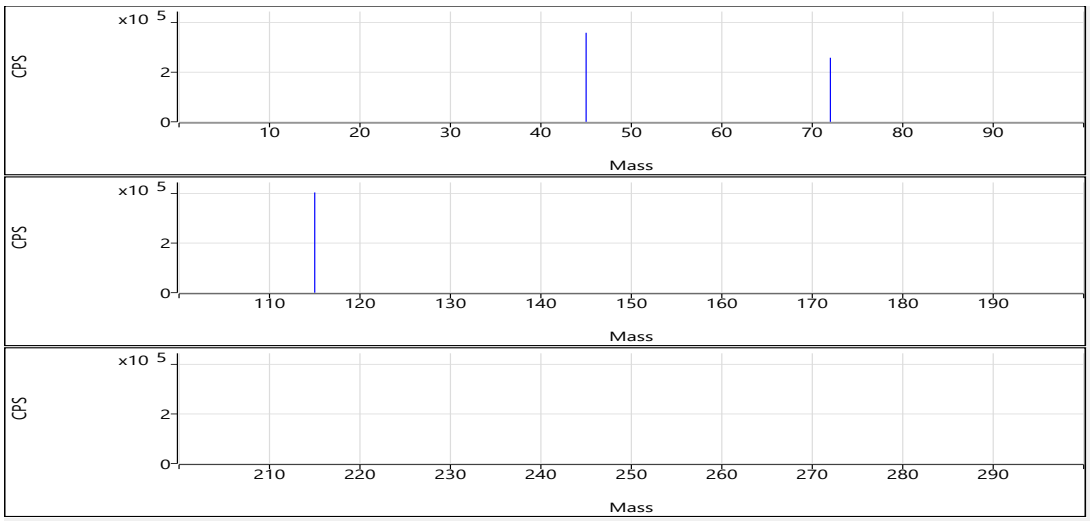
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	273071.39	0.5	117.9	Pulse	0.1000	3
No Gas	Ge	72	187584.38	0.9	113.8	Pulse	0.1000	3
H2	Sc	45	357013.76	0.3	104.5	Pulse	0.1000	3
H2	Ge	72	256871.79	0.6	104.6	Pulse	0.1000	3
H2	In	115	401847.43	1.2	103.0	Pulse	0.1000	3
He	Sc	45	21115.71	1.8	106.9	Pulse	0.1000	3
He	Ge	72	39454.82	2.2	105.3	Pulse	0.1000	3
He	In	115	39760.81	0.6	104.2	Pulse	0.1000	3
He	Tb	159	206854.20	0.7	105.7	Pulse	0.1000	3
He	Bi	209	185664.57	0.9	103.5	Pulse	0.1000	3

No Gas

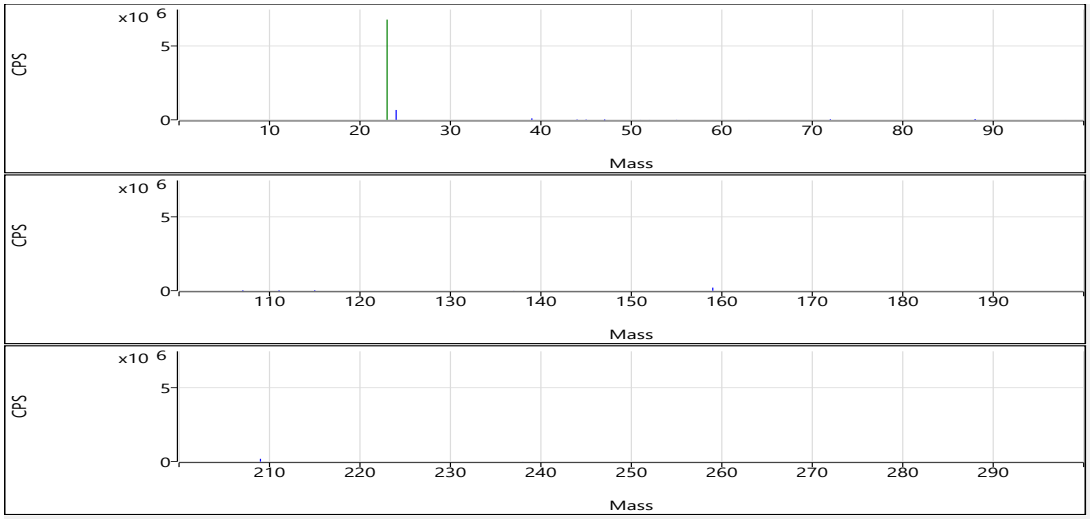


H2



Quantitation Report

He



Quantitation Report

Data File Name	107SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:23:04
Sample Name	410-225685-D-3-E MS
Sample Type	Sample
Comment	F4
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

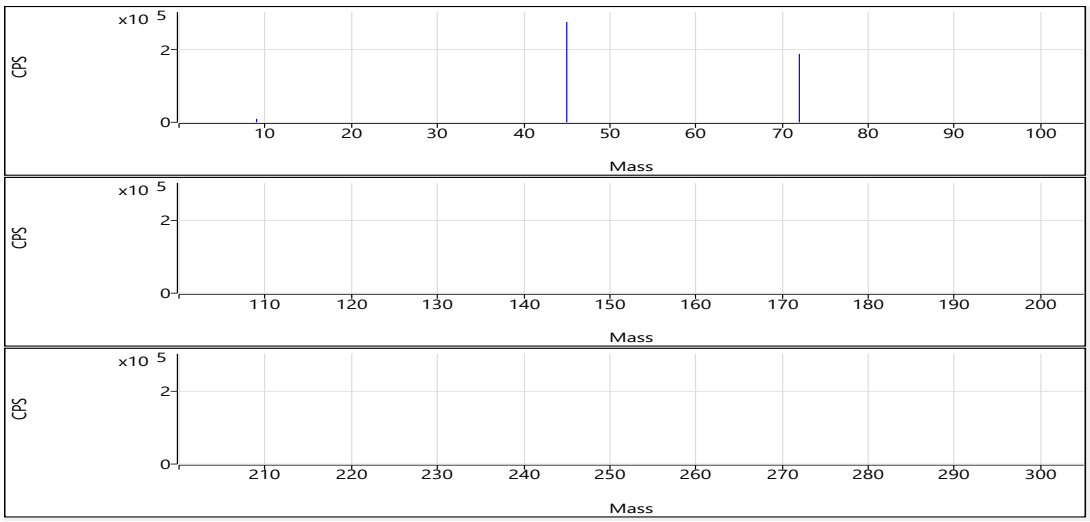
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	46.972	ppb	1.9	9532.38	0.0348	Pulse	0.5000	3
Se	78	72	H2	90.401	ppb	0.7	9490.24	0.0370	Pulse	1.5000	3
Na	23	72	He	70225.268	ppb	1.1	7129011.77	183.5244	Analog	0.1000	3
Mg	24	72	He	16936.774	ppb	1.4	885842.17	22.8052	Pulse	0.1000	3
Al	27	72	He	4370.285	ppb	1.4	68451.19	1.7621	Pulse	0.1000	3
K	39	72	He	7802.998	ppb	1.5	234604.13	6.0397	Pulse	0.1000	3
Ca	44	72	He	18158.727	ppb	1.3	30946.69	0.7966	Pulse	0.1000	3
Ti	47	45	He	463.829	ppb	6.5	6074.79	0.2879	Pulse	0.1000	3
V	51	72	He	453.852	ppb	1.6	256415.55	6.6014	Pulse	0.5000	3
Cr	52	72	He	448.890	ppb	2.7	336257.96	8.6577	Pulse	0.1000	3
Mn	55	72	He	460.764	ppb	2.2	152224.16	3.9192	Pulse	0.1000	3
Fe	57	72	He	4407.870	ppb	1.5	67603.71	1.7404	Pulse	0.1000	3
Co	59	72	He	448.169	ppb	1.5	642970.39	16.5531	Pulse	0.1000	3
Ni	60	159	He	440.967	ppb	1.4	176159.39	0.8538	Pulse	0.1000	3
Cu	63	72	He	452.213	ppb	2.2	514863.26	13.2561	Pulse	0.1000	3
Zn	66	72	He	464.791	ppb	2.7	62974.09	1.6215	Pulse	0.1000	3
As	75	115	He	462.083	ppb	1.4	39318.77	1.0016	Pulse	0.5000	3
Sr	88	115	He	181.208	ppb	2.1	72116.35	1.8373	Pulse	0.1000	3
Mo	98	159	He	44.585	ppb	1.9	46503.76	0.2254	Pulse	0.1000	3
Ag	107	115	He	44.471	ppb	1.9	102451.65	2.6100	Pulse	0.1000	3
Cd	111	115	He	45.068	ppb	2.7	12027.19	0.3064	Pulse	0.5000	3
Sn	120	159	He	88.692	ppb	1.3	74224.12	0.3598	Pulse	0.1000	3
Sb	121	209	He	89.174	ppb	1.0	61392.08	0.3330	Pulse	0.1000	3
Ba	137	159	He	479.746	ppb	2.0	114522.38	0.5551	Pulse	0.1000	3
Tl	205	209	He	91.640	ppb	0.8	651543.70	3.5338	Pulse	0.1000	3
Pb	208	209	He	45.893	ppb	1.5	431463.15	2.3402	Pulse	0.1000	3
U	238	209	He	45.877	ppb	0.9	524446.23	2.8444	Pulse	0.1000	3

ISTD Table:

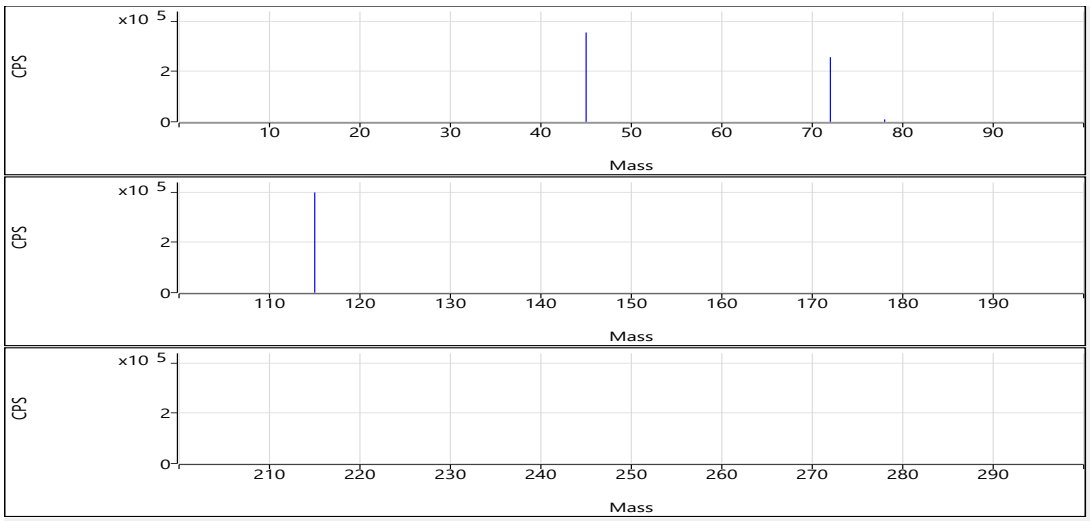
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	273727.65	0.6	118.2	Pulse	0.1000	3
No Gas	Ge	72	186916.18	0.8	113.4	Pulse	0.1000	3
H2	Sc	45	354975.41	0.6	104.0	Pulse	0.1000	3
H2	Ge	72	256710.03	0.5	104.6	Pulse	0.1000	3
H2	In	115	398269.67	0.5	102.1	Pulse	0.1000	3
He	Sc	45	21122.47	2.0	106.9	Pulse	0.1000	3
He	Ge	72	38849.95	1.8	103.7	Pulse	0.1000	3
He	In	115	39261.89	1.9	102.9	Pulse	0.1000	3
He	Tb	159	206333.47	0.9	105.4	Pulse	0.1000	3
He	Bi	209	184385.05	0.9	102.7	Pulse	0.1000	3

No Gas

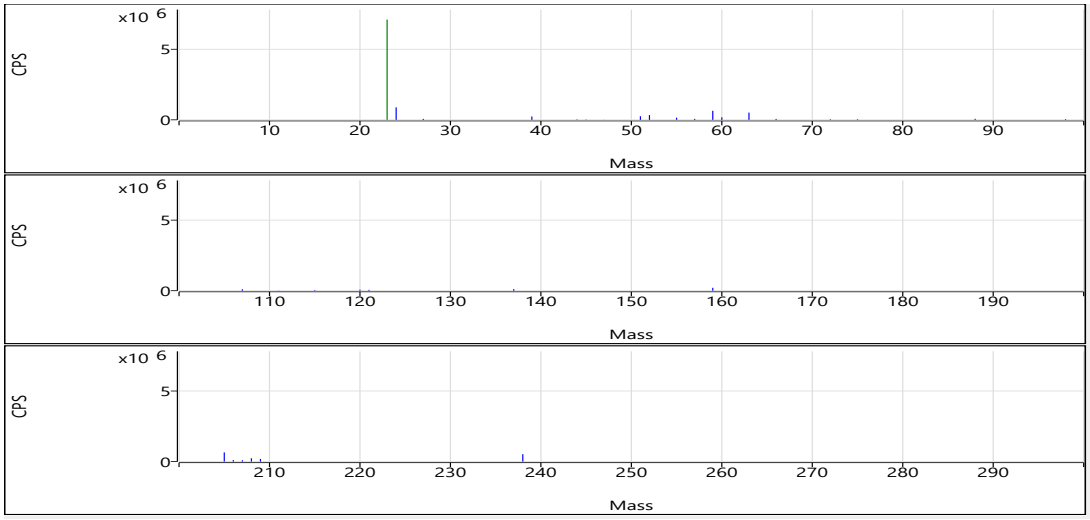


H2



Quantitation Report

He



Quantitation Report

Data File Name	108SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:25:13
Sample Name	410-225685-D-3-F MSD
Sample Type	Sample
Comment	F4
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

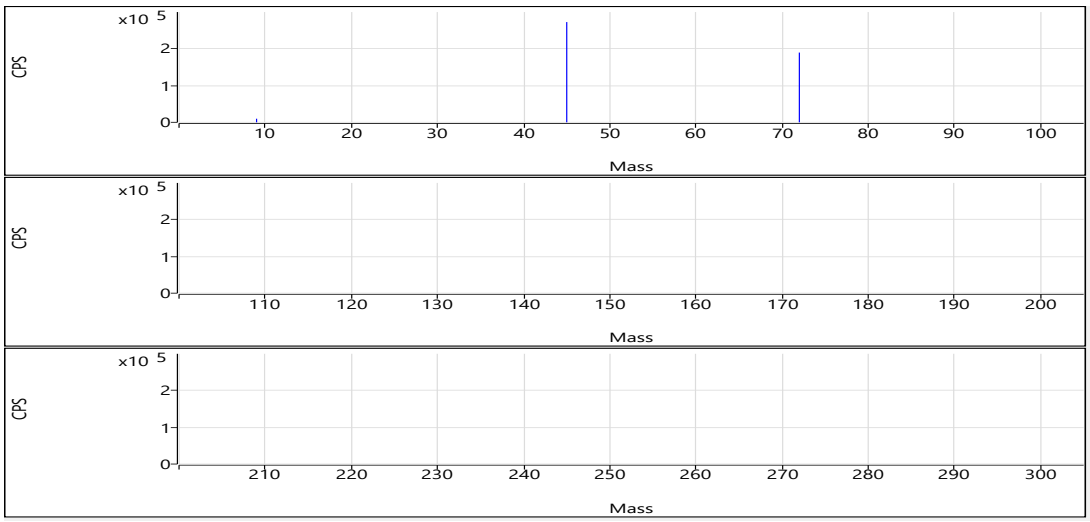
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.074	ppb	1.8	9714.50	0.0356	Pulse	0.5000	3
Se	78	72	H2	91.323	ppb	0.9	9607.42	0.0373	Pulse	1.5000	3
Na	23	72	He	68482.603	ppb	1.3	7059895.31	178.9739	Analog	0.1000	3
Mg	24	72	He	16691.889	ppb	1.7	886570.09	22.4756	Pulse	0.1000	3
Al	27	72	He	4436.386	ppb	1.7	70554.80	1.7887	Pulse	0.1000	3
K	39	72	He	7619.045	ppb	1.7	232771.16	5.9010	Pulse	0.1000	3
Ca	44	72	He	17784.918	ppb	3.1	30772.96	0.7803	Pulse	0.1000	3
Ti	47	45	He	441.428	ppb	3.4	5637.97	0.2740	Pulse	0.1000	3
V	51	72	He	444.831	ppb	1.7	255231.91	6.4705	Pulse	0.5000	3
Cr	52	72	He	441.222	ppb	1.4	335731.30	8.5105	Pulse	0.1000	3
Mn	55	72	He	461.554	ppb	1.8	154858.65	3.9260	Pulse	0.1000	3
Fe	57	72	He	4271.968	ppb	0.8	66549.48	1.6868	Pulse	0.1000	3
Co	59	72	He	439.663	ppb	2.0	640537.52	16.2390	Pulse	0.1000	3
Ni	60	159	He	448.599	ppb	1.4	176875.16	0.8686	Pulse	0.1000	3
Cu	63	72	He	445.593	ppb	1.8	515239.08	13.0621	Pulse	0.1000	3
Zn	66	72	He	458.752	ppb	2.5	63125.15	1.6004	Pulse	0.1000	3
As	75	115	He	467.608	ppb	2.6	39254.60	1.0136	Pulse	0.5000	3
Sr	88	115	He	183.693	ppb	3.8	72109.13	1.8624	Pulse	0.1000	3
Mo	98	159	He	45.726	ppb	1.3	47075.95	0.2312	Pulse	0.1000	3
Ag	107	115	He	44.619	ppb	3.5	101397.45	2.6186	Pulse	0.1000	3
Cd	111	115	He	45.336	ppb	2.7	11937.78	0.3083	Pulse	0.5000	3
Sn	120	159	He	90.117	ppb	0.8	74388.29	0.3653	Pulse	0.1000	3
Sb	121	209	He	91.672	ppb	2.0	63039.59	0.3423	Pulse	0.1000	3
Ba	137	159	He	482.374	ppb	1.4	113662.31	0.5581	Pulse	0.1000	3
Tl	205	209	He	91.941	ppb	1.2	652977.19	3.5454	Pulse	0.1000	3
Pb	208	209	He	45.971	ppb	1.0	431746.81	2.3442	Pulse	0.1000	3
U	238	209	He	46.225	ppb	1.2	527846.22	2.8660	Pulse	0.1000	3

ISTD Table:

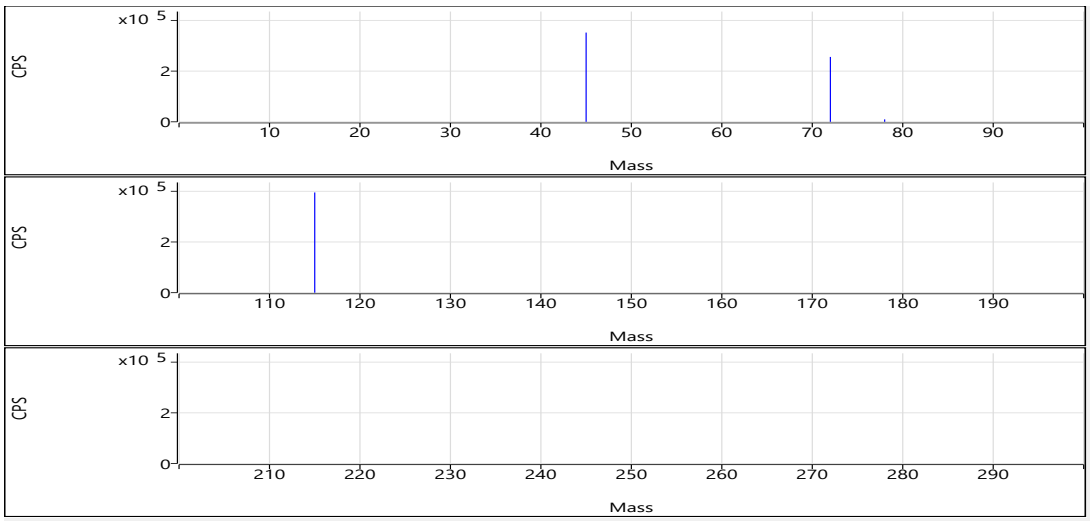
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	272589.59	0.8	117.7	Pulse	0.1000	3
No Gas	Ge	72	189648.46	0.5	115.0	Pulse	0.1000	3
H2	Sc	45	353798.68	1.0	103.6	Pulse	0.1000	3
H2	Ge	72	257262.27	0.6	104.8	Pulse	0.1000	3
H2	In	115	397393.56	1.2	101.9	Pulse	0.1000	3
He	Sc	45	20585.05	1.6	104.2	Pulse	0.1000	3
He	Ge	72	39451.46	1.4	105.3	Pulse	0.1000	3
He	In	115	38752.37	3.6	101.5	Pulse	0.1000	3
He	Tb	159	203642.63	0.2	104.1	Pulse	0.1000	3
He	Bi	209	184187.27	1.0	102.6	Pulse	0.1000	3

No Gas

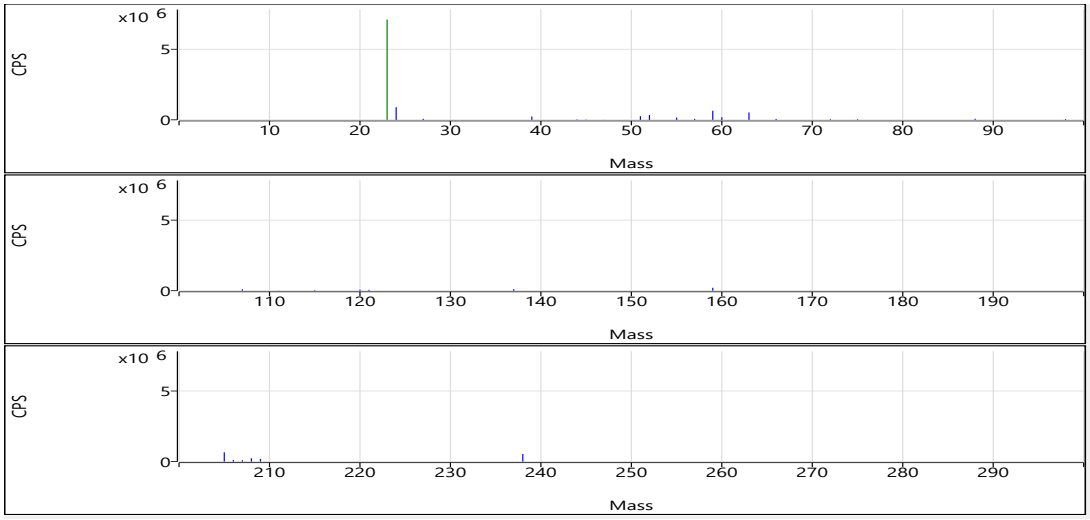


H2



Quantitation Report

He



Quantitation Report

Data File Name	110_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:29:34
Sample Name	CCV 7799630
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

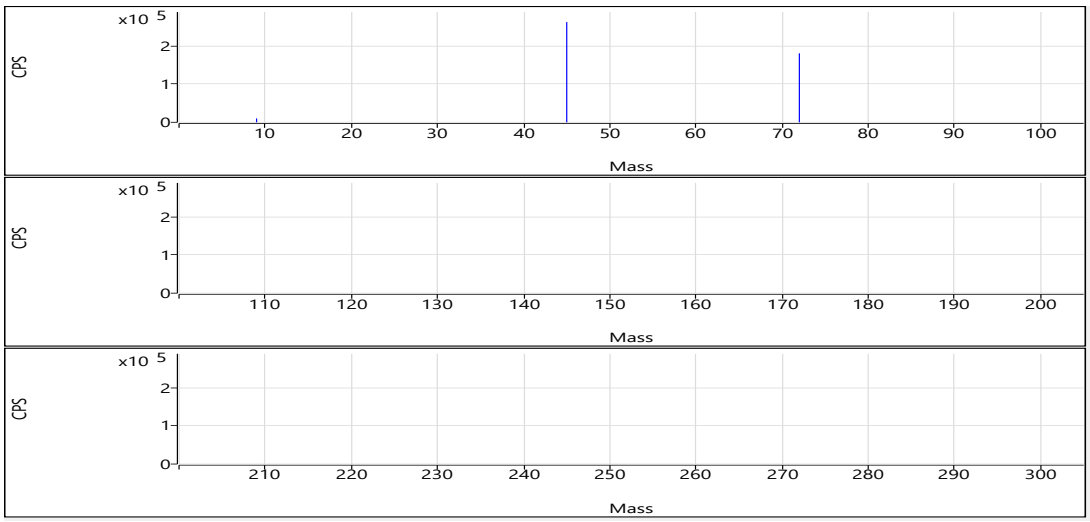
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	52.105	ppb	3.1	10131.44	0.0386	Pulse	0.5000	3
Se	78	72	H2	50.988	ppb	1.2	5094.69	0.0209	Pulse	1.5000	3
Na	23	72	He	5039.113	ppb	0.5	493362.28	13.3085	Pulse	0.1000	3
Mg	24	72	He	5009.417	ppb	0.8	250296.73	6.7517	Pulse	0.1000	3
Al	27	72	He	4946.397	ppb	2.5	73930.79	1.9942	Pulse	0.1000	3
K	39	72	He	5077.631	ppb	1.2	147734.24	3.9851	Pulse	0.1000	3
Ca	44	72	He	5210.560	ppb	5.1	8522.78	0.2299	Pulse	0.1000	3
Ti	47	45	He	4787.302	ppb	2.1	62142.72	2.9646	Pulse	0.1000	3
V	51	72	He	509.068	ppb	1.1	274415.17	7.4025	Pulse	0.5000	3
Cr	52	72	He	509.713	ppb	1.0	364231.22	9.8253	Pulse	0.1000	3
Mn	55	72	He	500.772	ppb	1.2	157896.49	4.2594	Pulse	0.1000	3
Fe	57	72	He	4917.987	ppb	2.1	71971.77	1.9415	Pulse	0.1000	3
Co	59	72	He	511.043	ppb	0.7	699707.49	18.8749	Pulse	0.1000	3
Ni	60	159	He	501.084	ppb	0.8	194803.37	0.9699	Pulse	0.1000	3
Cu	63	72	He	510.516	ppb	0.3	554754.84	14.9645	Pulse	0.1000	3
Zn	66	72	He	514.645	ppb	1.8	66543.83	1.7951	Pulse	0.1000	3
As	75	115	He	496.962	ppb	1.0	41103.69	1.0772	Pulse	0.5000	3
Sr	88	115	He	48.118	ppb	3.0	18649.51	0.4888	Pulse	0.1000	3
Mo	98	159	He	49.405	ppb	2.3	50166.27	0.2498	Pulse	0.1000	3
Ag	107	115	He	51.003	ppb	0.6	114221.61	2.9932	Pulse	0.1000	3
Cd	111	115	He	49.130	ppb	0.4	12747.15	0.3340	Pulse	0.5000	3
Sn	120	159	He	53.150	ppb	1.6	44515.11	0.2216	Pulse	0.1000	3
Sb	121	209	He	51.204	ppb	3.2	34971.50	0.1912	Pulse	0.1000	3
Ba	137	159	He	504.096	ppb	1.9	117140.31	0.5833	Pulse	0.1000	3
Tl	205	209	He	50.441	ppb	0.6	355788.74	1.9453	Pulse	0.1000	3
Pb	208	209	He	50.022	ppb	1.3	466497.73	2.5506	Pulse	0.1000	3
U	238	209	He	49.973	ppb	1.3	566683.08	3.0984	Pulse	0.1000	3

ISTD Table:

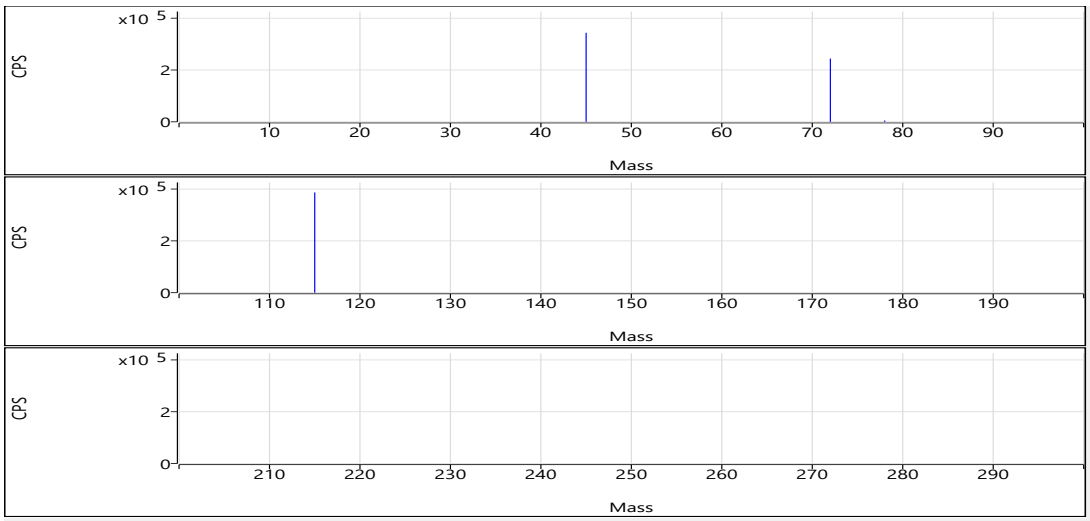
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	262428.40	2.4	113.3	Pulse	0.1000	3
No Gas	Ge	72	180638.36	1.5	109.6	Pulse	0.1000	3
H2	Sc	45	343939.77	0.1	100.7	Pulse	0.1000	3
H2	Ge	72	244212.79	0.7	99.5	Pulse	0.1000	3
H2	In	115	387173.72	0.6	99.3	Pulse	0.1000	3
He	Sc	45	20968.83	2.7	106.1	Pulse	0.1000	3
He	Ge	72	37071.74	0.5	99.0	Pulse	0.1000	3
He	In	115	38160.05	0.6	100.0	Pulse	0.1000	3
He	Tb	159	200849.71	0.8	102.6	Pulse	0.1000	3
He	Bi	209	182903.21	0.7	101.9	Pulse	0.1000	3

No Gas

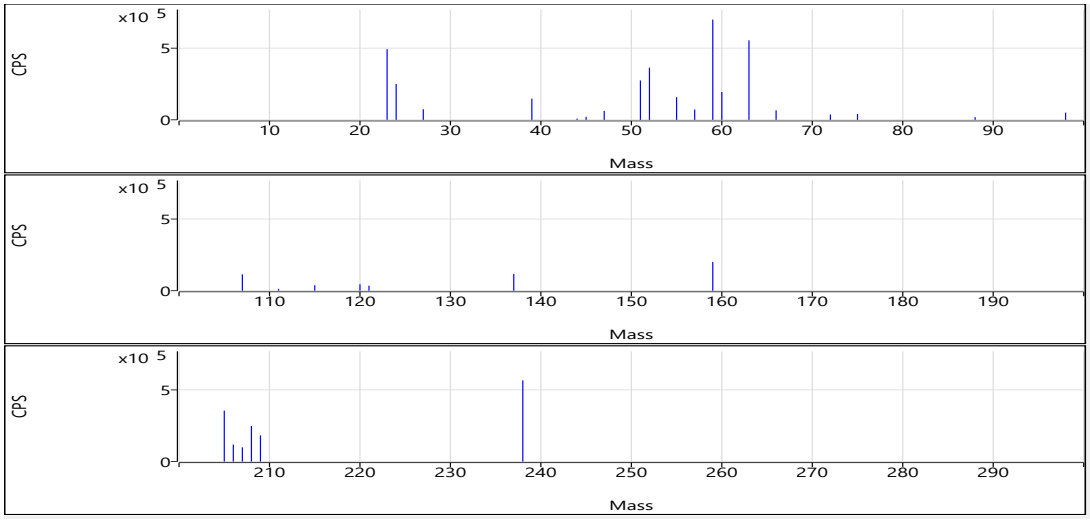


H2



Quantitation Report

He



Quantitation Report

Data File Name	112_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:33:53
Sample Name	CCB 7792565
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

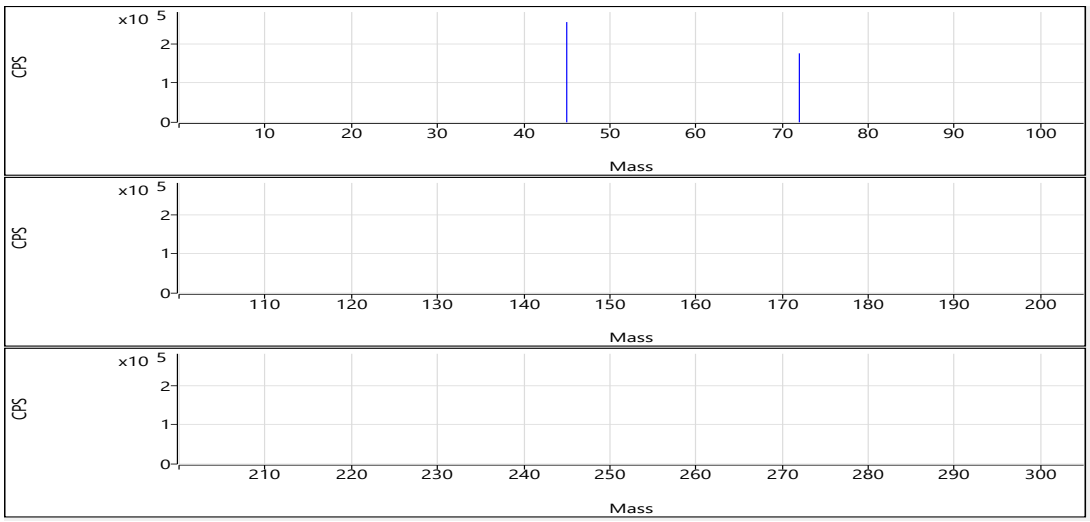
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.095	ppb	12.2	24.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.052	ppb	37.3	10.45	0.0000	Pulse	1.5000	3
Na	23	72	He	36.915	ppb	2.8	9123.04	0.2467	Pulse	0.1000	3
Mg	24	72	He	7.013	ppb	53.3	693.38	0.0188	Pulse	0.1000	3
Al	27	72	He	1.604	ppb	111.6	70.00	0.0019	Pulse	0.1000	3
K	39	72	He	12.128	ppb	30.2	6144.82	0.1661	Pulse	0.1000	3
Ca	44	72	He	19.153	ppb	129.1	100.00	0.0027	Pulse	0.1000	3
Ti	47	45	He	1.251	ppb	1.8	30.00	0.0015	Pulse	0.1000	3
V	51	72	He	0.151	ppb	20.3	702.69	0.0190	Pulse	0.5000	3
Cr	52	72	He	0.031	ppb	777.0	1526.80	0.0413	Pulse	0.1000	3
Mn	55	72	He	0.163	ppb	30.7	126.67	0.0034	Pulse	0.1000	3
Fe	57	72	He	0.783	ppb	182.1	110.00	0.0030	Pulse	0.1000	3
Co	59	72	He	0.167	ppb	32.9	336.68	0.0091	Pulse	0.1000	3
Ni	60	159	He	0.034	ppb	861.3	443.35	0.0022	Pulse	0.1000	3
Cu	63	72	He	0.107	ppb	54.9	326.68	0.0088	Pulse	0.1000	3
Zn	66	72	He	0.478	ppb	34.2	160.01	0.0043	Pulse	0.1000	3
As	75	115	He	0.281	ppb	46.7	54.67	0.0014	Pulse	0.5000	3
Sr	88	115	He	0.051	ppb	30.0	66.67	0.0017	Pulse	0.1000	3
Mo	98	159	He	0.062	ppb	71.4	96.67	0.0005	Pulse	0.1000	3
Ag	107	115	He	0.016	ppb	13.9	53.33	0.0014	Pulse	0.1000	3
Cd	111	115	He	0.023	ppb	71.2	7.33	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.265	ppb	N/A	2797.05	0.0141	Pulse	0.1000	3
Sb	121	209	He	0.089	ppb	83.8	73.33	0.0004	Pulse	0.1000	3
Ba	137	159	He	0.171	ppb	38.6	83.34	0.0004	Pulse	0.1000	3
Tl	205	209	He	0.035	ppb	14.0	326.68	0.0018	Pulse	0.1000	3
Pb	208	209	He	0.011	ppb	23.4	410.02	0.0023	Pulse	0.1000	3
U	238	209	He	0.018	ppb	16.5	243.34	0.0013	Pulse	0.1000	3

ISTD Table:

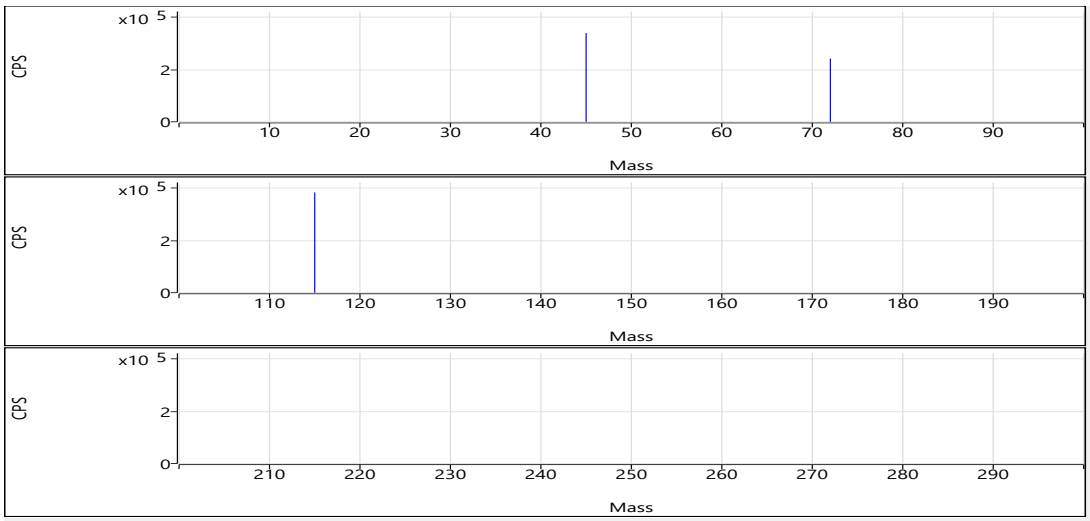
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	255755.15	0.7	110.4	Pulse	0.1000	3
No Gas	Ge	72	175980.27	0.9	106.7	Pulse	0.1000	3
H2	Sc	45	339807.00	1.4	99.5	Pulse	0.1000	3
H2	Ge	72	241895.10	1.1	98.5	Pulse	0.1000	3
H2	In	115	383831.02	1.2	98.4	Pulse	0.1000	3
He	Sc	45	20531.58	1.0	103.9	Pulse	0.1000	3
He	Ge	72	36985.18	0.9	98.7	Pulse	0.1000	3
He	In	115	38311.20	1.5	100.4	Pulse	0.1000	3
He	Tb	159	198655.07	0.6	101.5	Pulse	0.1000	3
He	Bi	209	181747.12	1.1	101.3	Pulse	0.1000	3

No Gas

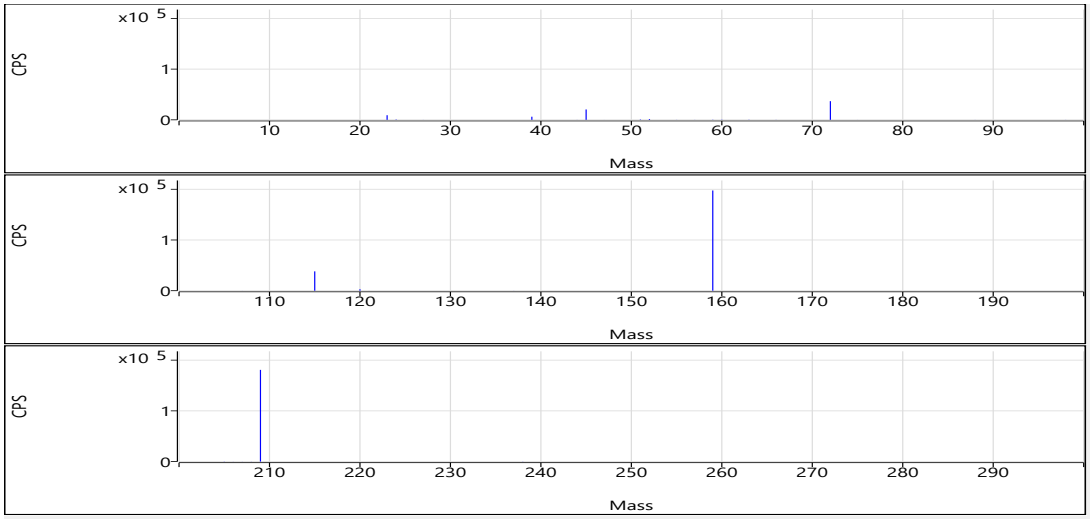


H2



Quantitation Report

He



Quantitation Report

Data File Name	113SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:36:03
Sample Name	410-223761-B-4-A
Sample Type	Sample
Comment	MS-D3
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

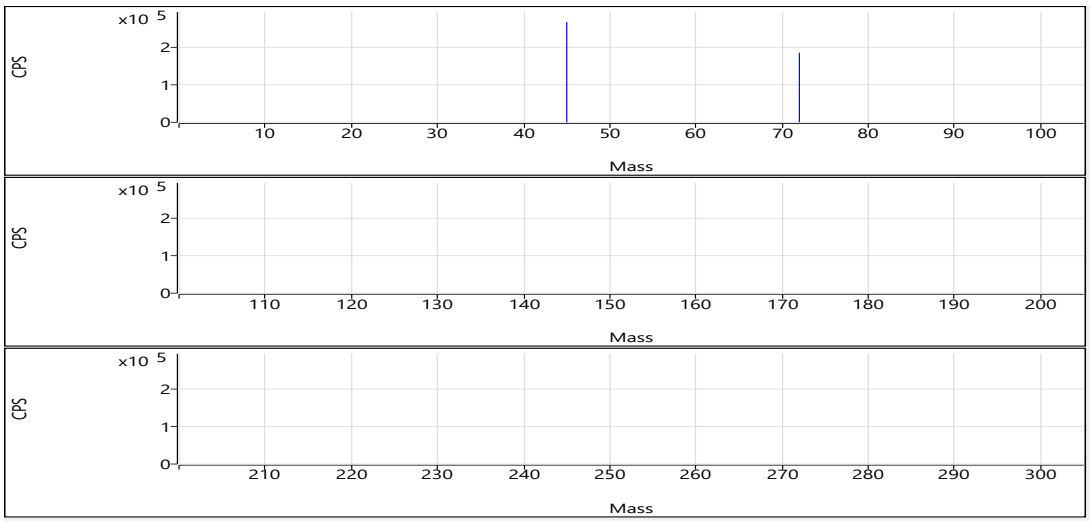
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.070	ppb	89.1	20.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.025	ppb	74.6	8.22	0.0000	Pulse	1.5000	3
Na	23	72	He	4206.380	ppb	0.4	440307.77	11.1341	Pulse	0.1000	3
Mg	24	72	He	1039.779	ppb	2.0	55711.55	1.4088	Pulse	0.1000	3
Al	27	72	He	6.334	ppb	53.9	150.01	0.0038	Pulse	0.1000	3
K	39	72	He	1946.244	ppb	1.9	64237.39	1.6243	Pulse	0.1000	3
Ca	44	72	He	3309.415	ppb	2.6	5801.36	0.1467	Pulse	0.1000	3
Ti	47	45	He	-0.342	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	-0.171	ppb	N/A	566.02	0.0143	Pulse	0.5000	3
Cr	52	72	He	-0.057	ppb	N/A	1563.48	0.0396	Pulse	0.1000	3
Mn	55	72	He	181.667	ppb	0.3	61155.11	1.5465	Pulse	0.1000	3
Fe	57	72	He	145.028	ppb	3.6	2366.95	0.0598	Pulse	0.1000	3
Co	59	72	He	0.600	ppb	9.8	993.40	0.0251	Pulse	0.1000	3
Ni	60	159	He	4.245	ppb	4.8	2150.24	0.0104	Pulse	0.1000	3
Cu	63	72	He	34.900	ppb	1.5	40661.15	1.0283	Pulse	0.1000	3
Zn	66	72	He	85.359	ppb	1.6	11861.90	0.3000	Pulse	0.1000	3
As	75	115	He	0.036	ppb	59.5	36.67	0.0009	Pulse	0.5000	3
Sr	88	115	He	42.300	ppb	2.5	17514.65	0.4298	Pulse	0.1000	3
Mo	98	159	He	0.087	ppb	17.0	126.67	0.0006	Pulse	0.1000	3
Ag	107	115	He	0.011	ppb	45.5	43.33	0.0011	Pulse	0.1000	3
Cd	111	115	He	0.185	ppb	19.2	52.67	0.0013	Pulse	0.5000	3
Sn	120	159	He	-0.821	ppb	N/A	2473.64	0.0119	Pulse	0.1000	3
Sb	121	209	He	0.050	ppb	72.2	50.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	20.188	ppb	4.0	4891.03	0.0236	Pulse	0.1000	3
Tl	205	209	He	0.039	ppb	22.1	373.35	0.0020	Pulse	0.1000	3
Pb	208	209	He	0.161	ppb	10.4	1880.13	0.0099	Pulse	0.1000	3
U	238	209	He	0.018	ppb	22.6	253.35	0.0013	Pulse	0.1000	3

ISTD Table:

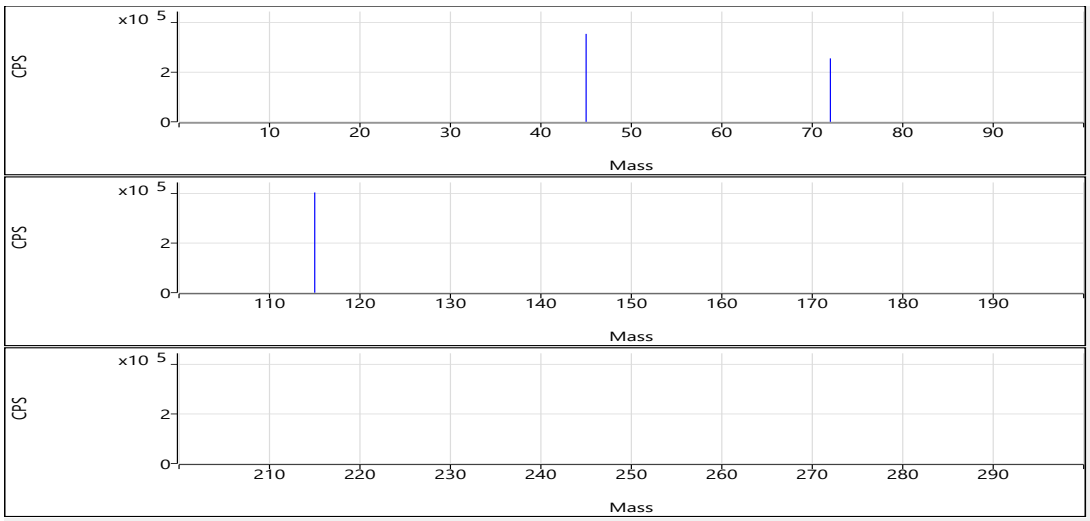
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	267123.84	1.2	115.3	Pulse	0.1000	3
No Gas	Ge	72	185454.17	0.6	112.5	Pulse	0.1000	3
H2	Sc	45	354464.68	0.8	103.8	Pulse	0.1000	3
H2	Ge	72	255699.80	1.2	104.1	Pulse	0.1000	3
H2	In	115	403977.25	0.3	103.6	Pulse	0.1000	3
He	Sc	45	21072.48	1.8	106.7	Pulse	0.1000	3
He	Ge	72	39545.16	0.9	105.6	Pulse	0.1000	3
He	In	115	40747.59	1.3	106.7	Pulse	0.1000	3
He	Tb	159	207511.87	0.5	106.0	Pulse	0.1000	3
He	Bi	209	190012.13	1.2	105.9	Pulse	0.1000	3

No Gas

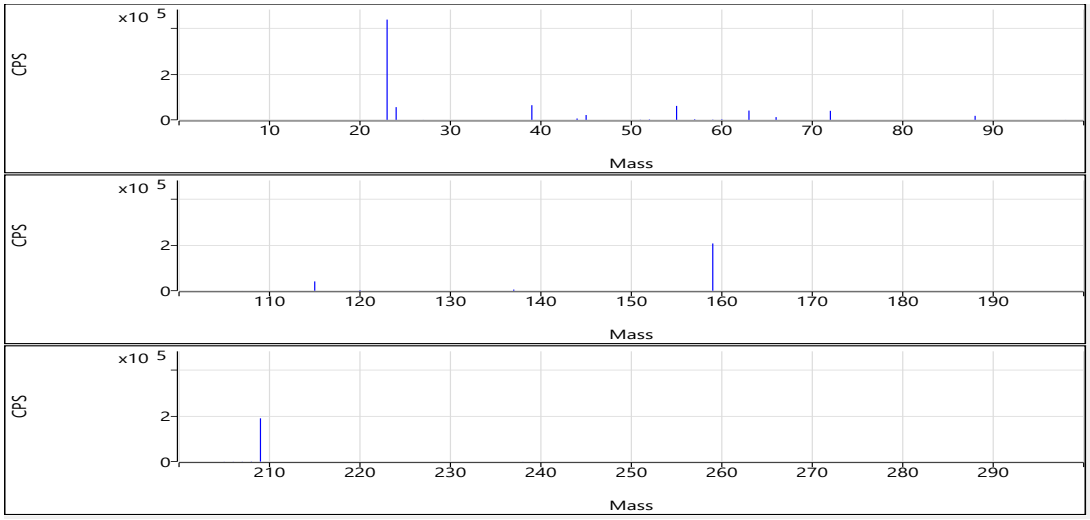


H2



Quantitation Report

He



Quantitation Report

Data File Name	114SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:38:12
Sample Name	410-223761-B-6-A
Sample Type	Sample
Comment	MS-D3
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

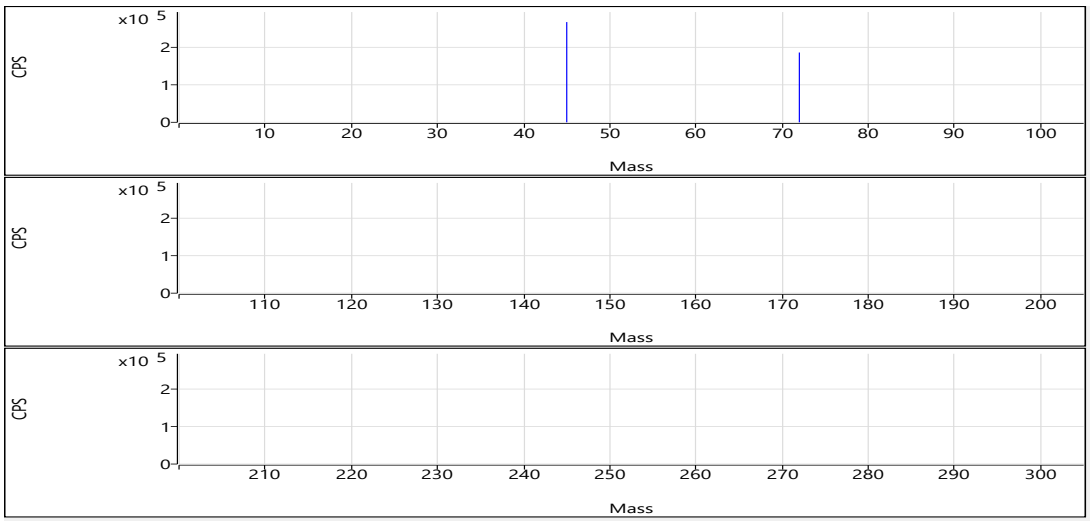
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.154	ppb	30.5	37.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.111	ppb	53.0	17.33	0.0001	Pulse	1.5000	3
Na	23	72	He	9335.787	ppb	0.9	945673.40	24.5281	Pulse	0.1000	3
Mg	24	72	He	3310.081	ppb	0.8	172128.60	4.4645	Pulse	0.1000	3
Al	27	72	He	4.829	ppb	17.1	123.34	0.0032	Pulse	0.1000	3
K	39	72	He	3983.828	ppb	1.1	121878.33	3.1604	Pulse	0.1000	3
Ca	44	72	He	4612.030	ppb	5.0	7855.74	0.2037	Pulse	0.1000	3
Ti	47	45	He	0.217	ppb	209.6	16.67	0.0008	Pulse	0.1000	3
V	51	72	He	-0.162	ppb	N/A	557.35	0.0144	Pulse	0.5000	3
Cr	52	72	He	-0.212	ppb	N/A	1410.11	0.0366	Pulse	0.1000	3
Mn	55	72	He	118.900	ppb	1.2	39049.95	1.0129	Pulse	0.1000	3
Fe	57	72	He	0.032	ppb	6725.2	103.34	0.0027	Pulse	0.1000	3
Co	59	72	He	8.813	ppb	0.9	12662.61	0.3284	Pulse	0.1000	3
Ni	60	159	He	10.944	ppb	8.5	4747.63	0.0233	Pulse	0.1000	3
Cu	63	72	He	57.082	ppb	2.4	64701.44	1.6783	Pulse	0.1000	3
Zn	66	72	He	292.358	ppb	1.6	39357.46	1.0209	Pulse	0.1000	3
As	75	115	He	0.106	ppb	38.3	42.00	0.0011	Pulse	0.5000	3
Sr	88	115	He	17.689	ppb	3.7	7205.36	0.1804	Pulse	0.1000	3
Mo	98	159	He	0.060	ppb	76.4	96.67	0.0005	Pulse	0.1000	3
Ag	107	115	He	0.020	ppb	45.5	63.33	0.0016	Pulse	0.1000	3
Cd	111	115	He	0.181	ppb	25.7	50.67	0.0013	Pulse	0.5000	3
Sn	120	159	He	-0.777	ppb	N/A	2463.65	0.0121	Pulse	0.1000	3
Sb	121	209	He	0.108	ppb	26.6	90.00	0.0005	Pulse	0.1000	3
Ba	137	159	He	49.889	ppb	3.1	11802.09	0.0579	Pulse	0.1000	3
Tl	205	209	He	0.118	ppb	6.7	943.41	0.0050	Pulse	0.1000	3
Pb	208	209	He	0.658	ppb	1.4	6624.24	0.0352	Pulse	0.1000	3
U	238	209	He	0.051	ppb	14.1	630.04	0.0033	Pulse	0.1000	3

ISTD Table:

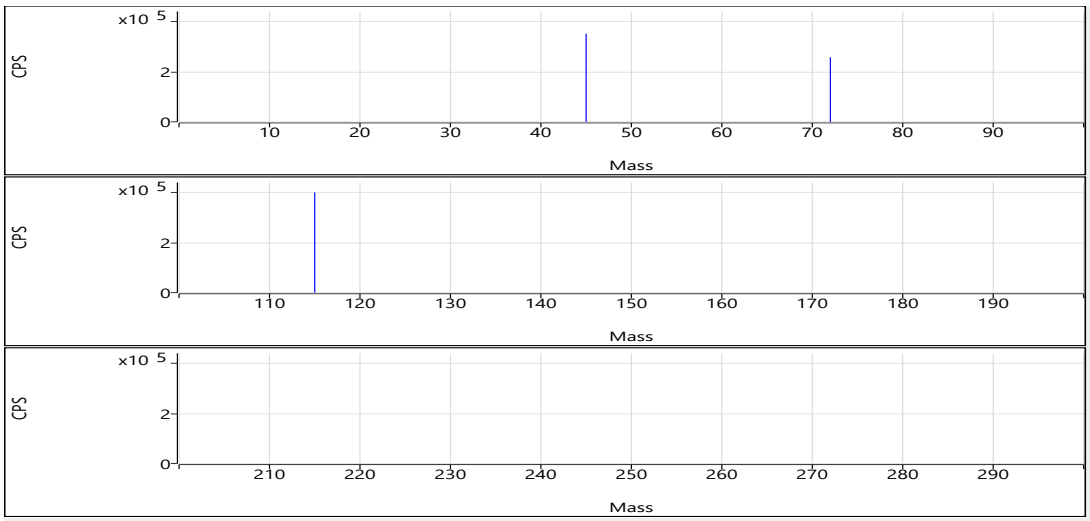
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	266409.90	0.5	115.0	Pulse	0.1000	3
No Gas	Ge	72	185508.80	0.4	112.5	Pulse	0.1000	3
H2	Sc	45	351213.32	0.8	102.9	Pulse	0.1000	3
H2	Ge	72	257565.48	1.3	104.9	Pulse	0.1000	3
H2	In	115	399865.25	0.8	102.5	Pulse	0.1000	3
He	Sc	45	20281.25	1.9	102.7	Pulse	0.1000	3
He	Ge	72	38558.99	1.9	102.9	Pulse	0.1000	3
He	In	115	39942.03	1.2	104.6	Pulse	0.1000	3
He	Tb	159	203752.28	0.2	104.1	Pulse	0.1000	3
He	Bi	209	188184.14	0.5	104.9	Pulse	0.1000	3

No Gas

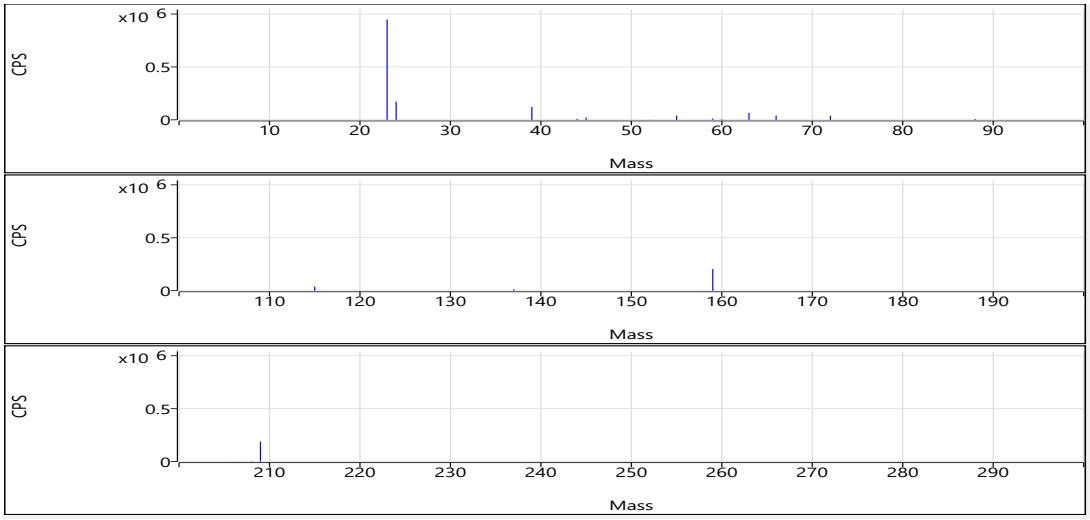


H2



Quantitation Report

He



Quantitation Report

Data File Name	115SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:40:21
Sample Name	410-223761-B-2-A
Sample Type	Sample
Comment	MS-D3
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

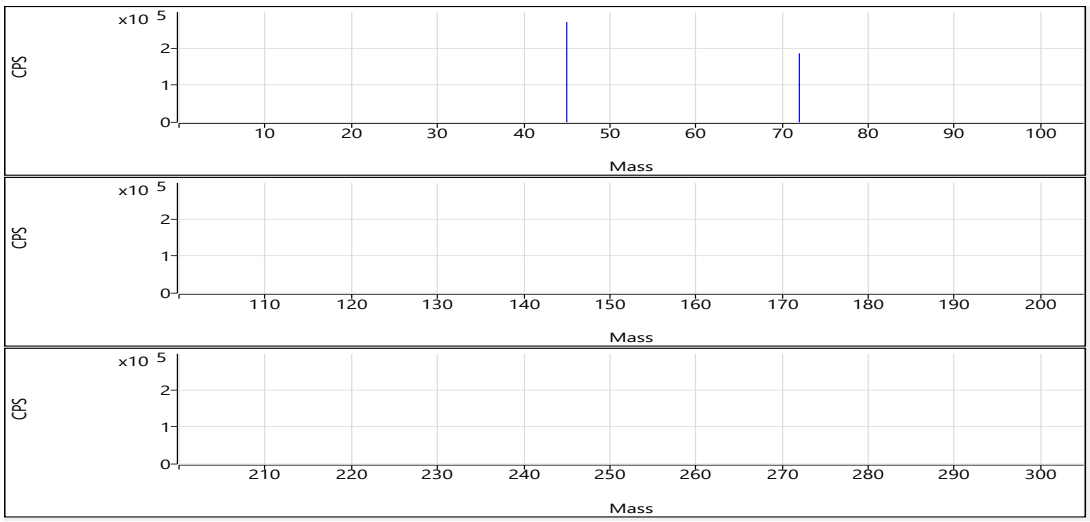
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.118	ppb	34.0	30.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.015	ppb	188.5	7.11	0.0000	Pulse	1.5000	3
Na	23	72	He	4646.668	ppb	1.0	477959.49	12.2838	Pulse	0.1000	3
Mg	24	72	He	1173.315	ppb	2.5	61802.10	1.5886	Pulse	0.1000	3
Al	27	72	He	33.019	ppb	32.7	566.70	0.0146	Pulse	0.1000	3
K	39	72	He	857.073	ppb	2.1	31257.19	0.8031	Pulse	0.1000	3
Ca	44	72	He	1605.940	ppb	2.7	2807.03	0.0722	Pulse	0.1000	3
Ti	47	45	He	-0.853	ppb	N/A	3.33	0.0002	Pulse	0.1000	3
V	51	72	He	-0.121	ppb	N/A	585.35	0.0151	Pulse	0.5000	3
Cr	52	72	He	-0.275	ppb	N/A	1376.78	0.0354	Pulse	0.1000	3
Mn	55	72	He	12.178	ppb	2.3	4107.40	0.1056	Pulse	0.1000	3
Fe	57	72	He	1.724	ppb	106.4	130.01	0.0033	Pulse	0.1000	3
Co	59	72	He	0.870	ppb	4.5	1363.44	0.0350	Pulse	0.1000	3
Ni	60	159	He	1.037	ppb	17.7	850.05	0.0042	Pulse	0.1000	3
Cu	63	72	He	201.886	ppb	1.0	230392.44	5.9212	Pulse	0.1000	3
Zn	66	72	He	195.161	ppb	1.9	26558.40	0.6824	Pulse	0.1000	3
As	75	115	He	0.056	ppb	206.6	37.33	0.0009	Pulse	0.5000	3
Sr	88	115	He	20.648	ppb	2.1	8322.66	0.2104	Pulse	0.1000	3
Mo	98	159	He	0.037	ppb	166.9	73.33	0.0004	Pulse	0.1000	3
Ag	107	115	He	0.014	ppb	32.3	50.00	0.0013	Pulse	0.1000	3
Cd	111	115	He	0.502	ppb	19.2	136.00	0.0034	Pulse	0.5000	3
Sn	120	159	He	-0.765	ppb	N/A	2473.65	0.0121	Pulse	0.1000	3
Sb	121	209	He	0.109	ppb	47.0	90.00	0.0005	Pulse	0.1000	3
Ba	137	159	He	28.962	ppb	4.1	6878.63	0.0337	Pulse	0.1000	3
Tl	205	209	He	0.028	ppb	22.9	283.35	0.0015	Pulse	0.1000	3
Pb	208	209	He	10.864	ppb	1.3	103629.53	0.5553	Pulse	0.1000	3
U	238	209	He	0.112	ppb	12.9	1333.46	0.0071	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	269752.56	1.0	116.5	Pulse	0.1000	3
No Gas	Ge	72	185707.73	0.9	112.6	Pulse	0.1000	3
H2	Sc	45	352916.28	1.7	103.3	Pulse	0.1000	3
H2	Ge	72	252896.94	1.1	103.0	Pulse	0.1000	3
H2	In	115	400146.60	0.5	102.6	Pulse	0.1000	3
He	Sc	45	20888.82	1.2	105.7	Pulse	0.1000	3
He	Ge	72	38913.34	1.4	103.9	Pulse	0.1000	3
He	In	115	39557.60	2.2	103.6	Pulse	0.1000	3
He	Tb	159	203945.68	1.0	104.2	Pulse	0.1000	3
He	Bi	209	186627.24	0.4	104.0	Pulse	0.1000	3

No Gas



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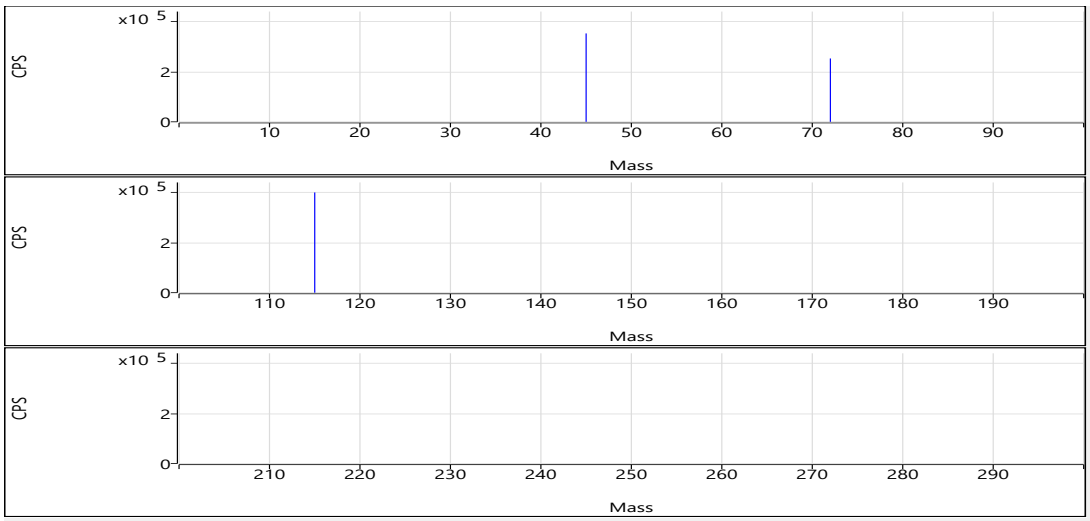
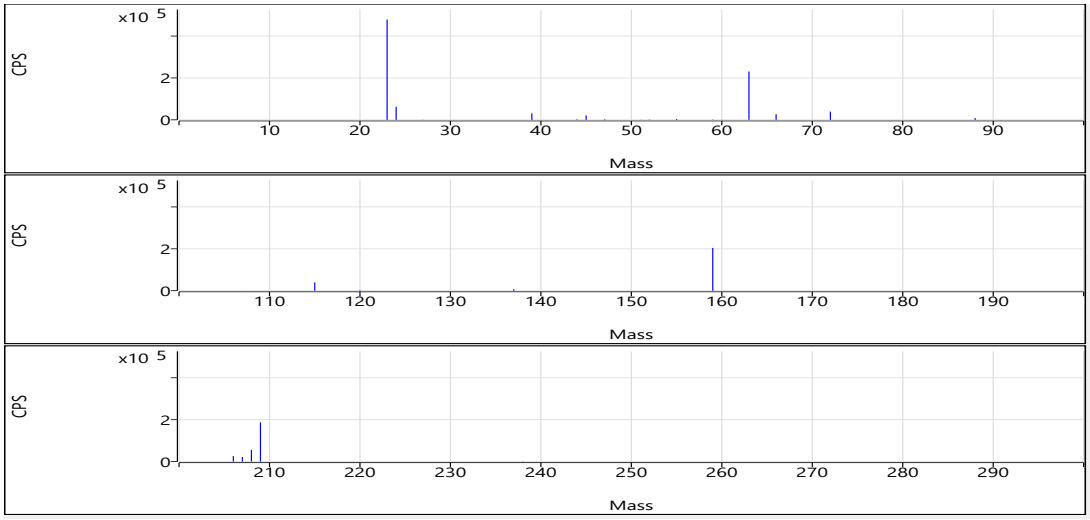


Quantitation Report

He



Quantitation Report

Data File Name	116SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:42:31
Sample Name	410-223761-B-8-A
Sample Type	Sample
Comment	MS-D3
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

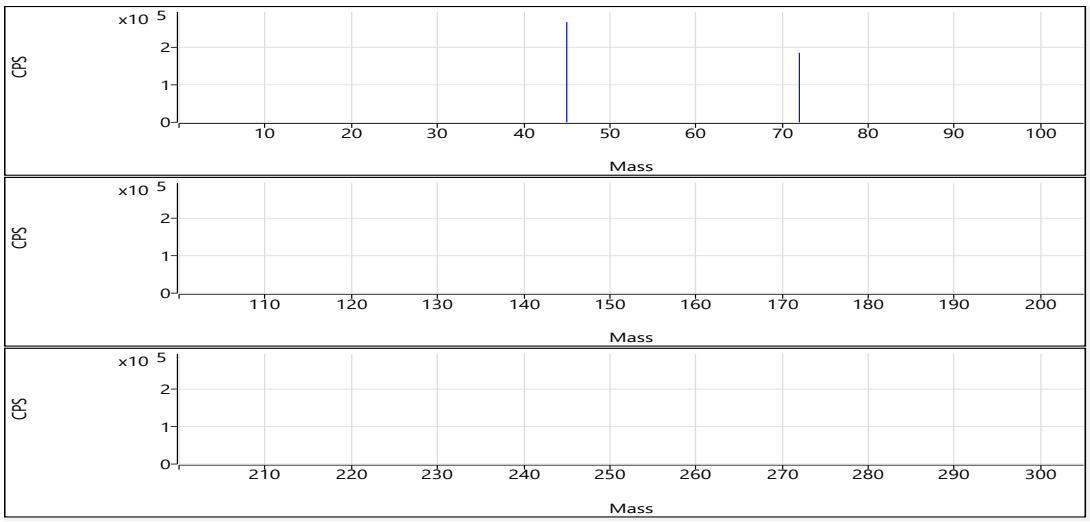
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1.235	ppb	11.0	252.67	0.0009	Pulse	0.5000	3
Se	78	72	H2	1.303	ppb	3.5	141.11	0.0006	Pulse	1.5000	3
Na	23	72	He	3852.394	ppb	2.2	401409.01	10.2097	Pulse	0.1000	3
Mg	24	72	He	3917.157	ppb	1.9	207656.81	5.2816	Pulse	0.1000	3
Al	27	72	He	126.687	ppb	3.2	2056.89	0.0523	Pulse	0.1000	3
K	39	72	He	7968.293	ppb	1.1	242385.22	6.1643	Pulse	0.1000	3
Ca	44	72	He	2500.882	ppb	5.8	4377.49	0.1113	Pulse	0.1000	3
Ti	47	45	He	-0.317	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	-0.179	ppb	N/A	558.68	0.0142	Pulse	0.5000	3
Cr	52	72	He	1.499	ppb	20.0	2730.34	0.0694	Pulse	0.1000	3
Mn	55	72	He	275.258	ppb	0.9	92096.88	2.3422	Pulse	0.1000	3
Fe	57	72	He	25.518	ppb	13.3	500.03	0.0127	Pulse	0.1000	3
Co	59	72	He	35.591	ppb	1.0	51796.30	1.3173	Pulse	0.1000	3
Ni	60	159	He	8.495	ppb	7.4	3817.35	0.0186	Pulse	0.1000	3
Cu	63	72	He	427.469	ppb	1.1	492726.33	12.5311	Pulse	0.1000	3
Zn	66	72	He	1110.420	ppb	2.3	152155.77	3.8701	Pulse	0.1000	3
As	75	115	He	0.127	ppb	86.8	43.33	0.0011	Pulse	0.5000	3
Sr	88	115	He	40.320	ppb	4.2	16152.89	0.4098	Pulse	0.1000	3
Mo	98	159	He	0.034	ppb	47.6	70.00	0.0003	Pulse	0.1000	3
Ag	107	115	He	0.011	ppb	25.1	43.33	0.0011	Pulse	0.1000	3
Cd	111	115	He	1.007	ppb	18.4	270.67	0.0069	Pulse	0.5000	3
Sn	120	159	He	-0.647	ppb	N/A	2590.33	0.0126	Pulse	0.1000	3
Sb	121	209	He	0.255	ppb	25.7	193.34	0.0010	Pulse	0.1000	3
Ba	137	159	He	79.484	ppb	6.3	18943.63	0.0922	Pulse	0.1000	3
Tl	205	209	He	0.249	ppb	3.7	1886.87	0.0100	Pulse	0.1000	3
Pb	208	209	He	18.199	ppb	1.1	174477.29	0.9291	Pulse	0.1000	3
U	238	209	He	0.285	ppb	3.0	3353.92	0.0179	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	268765.35	2.0	116.0	Pulse	0.1000	3
No Gas	Ge	72	186214.65	1.2	112.9	Pulse	0.1000	3
H2	Sc	45	351070.85	0.6	102.8	Pulse	0.1000	3
H2	Ge	72	254628.70	0.3	103.7	Pulse	0.1000	3
H2	In	115	401596.91	0.4	103.0	Pulse	0.1000	3
He	Sc	45	20601.69	1.5	104.3	Pulse	0.1000	3
He	Ge	72	39324.34	1.5	105.0	Pulse	0.1000	3
He	In	115	39442.97	2.0	103.3	Pulse	0.1000	3
He	Tb	159	205643.16	1.0	105.1	Pulse	0.1000	3
He	Bi	209	187810.43	0.9	104.7	Pulse	0.1000	3

No Gas



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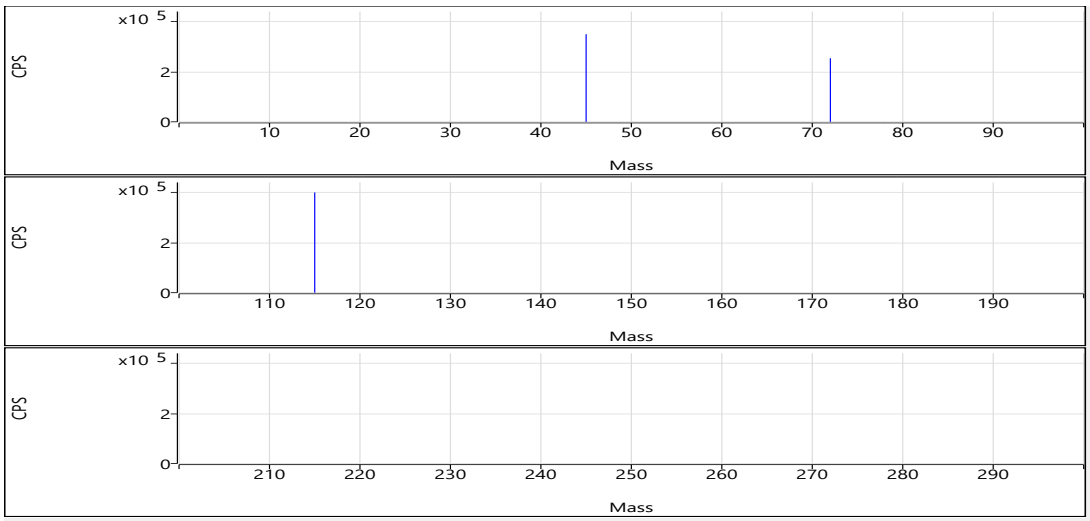
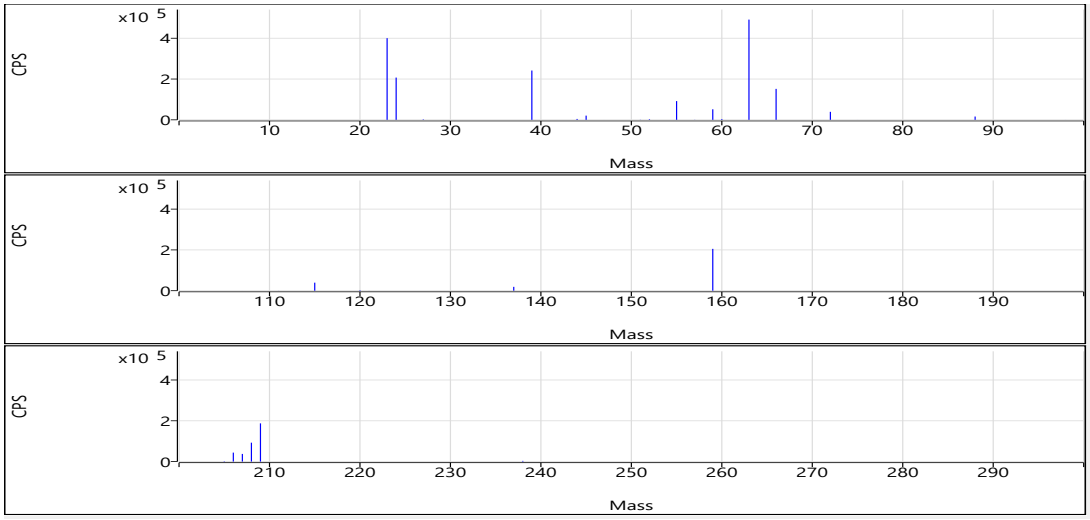


Quantitation Report

He



Quantitation Report

Data File Name	117SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:44:40
Sample Name	410-224504-B-4-A
Sample Type	Sample
Comment	MS-D3
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

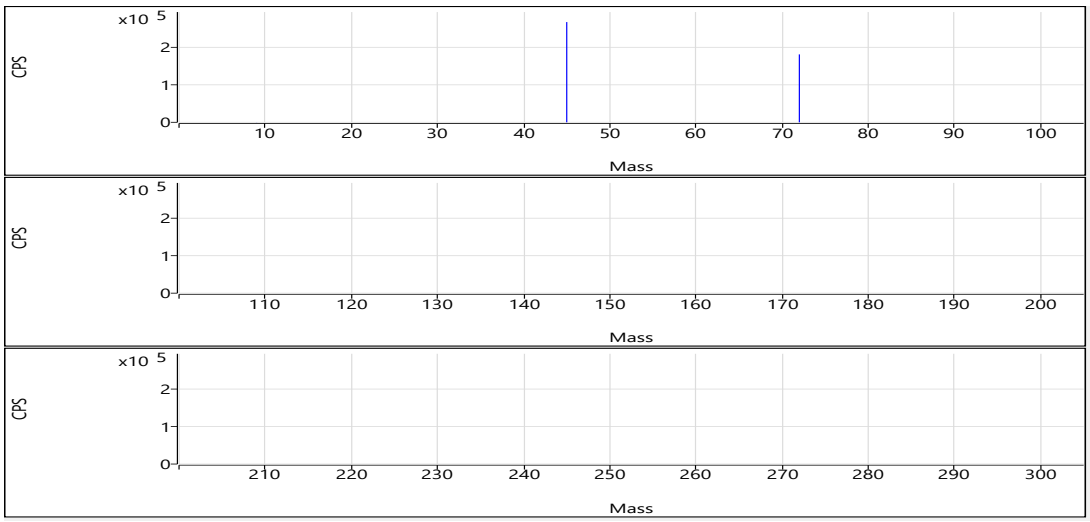
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1.087	ppb	3.3	222.00	0.0008	Pulse	0.5000	3
Se	78	72	H2	0.055	ppb	24.3	10.67	0.0000	Pulse	1.5000	3
Na	23	72	He	167896.446	ppb	2.8	16220053.93	438.5660	Analog	0.1000	3
Mg	24	72	He	23392.682	ppb	2.3	1164918.21	31.4945	Pulse	0.1000	3
Al	27	72	He	443.855	ppb	5.2	6658.37	0.1801	Pulse	0.1000	3
K	39	72	He	4812.381	ppb	3.1	139983.19	3.7851	Pulse	0.1000	3
Ca	44	72	He	212031.261	ppb	2.7	343285.63	9.2818	Pulse	0.1000	3
Ti	47	45	He	-0.594	ppb	N/A	6.67	0.0003	Pulse	0.1000	3
V	51	72	He	-0.189	ppb	N/A	520.01	0.0141	Pulse	0.5000	3
Cr	52	72	He	-0.162	ppb	N/A	1390.12	0.0376	Pulse	0.1000	3
Mn	55	72	He	2434.113	ppb	2.4	765460.69	20.6957	Pulse	0.1000	3
Fe	57	72	He	32.820	ppb	12.3	576.70	0.0156	Pulse	0.1000	3
Co	59	72	He	16.940	ppb	4.6	23242.51	0.6285	Pulse	0.1000	3
Ni	60	159	He	36.466	ppb	1.1	14824.69	0.0726	Pulse	0.1000	3
Cu	63	72	He	7.655	ppb	7.7	8499.42	0.2300	Pulse	0.1000	3
Zn	66	72	He	152.701	ppb	3.3	19770.81	0.5345	Pulse	0.1000	3
As	75	115	He	0.330	ppb	38.1	60.67	0.0015	Pulse	0.5000	3
Sr	88	115	He	802.191	ppb	0.7	320995.65	8.1292	Pulse	0.1000	3
Mo	98	159	He	0.024	ppb	182.4	60.00	0.0003	Pulse	0.1000	3
Ag	107	115	He	0.054	ppb	24.5	143.34	0.0036	Pulse	0.1000	3
Cd	111	115	He	0.769	ppb	17.2	208.00	0.0053	Pulse	0.5000	3
Sn	120	159	He	-1.103	ppb	N/A	2210.25	0.0108	Pulse	0.1000	3
Sb	121	209	He	-0.005	ppb	N/A	10.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	93.188	ppb	2.5	22055.01	0.1080	Pulse	0.1000	3
Tl	205	209	He	0.195	ppb	10.3	1430.13	0.0080	Pulse	0.1000	3
Pb	208	209	He	0.152	ppb	5.0	1690.12	0.0094	Pulse	0.1000	3
U	238	209	He	0.302	ppb	6.8	3393.91	0.0189	Pulse	0.1000	3

ISTD Table:

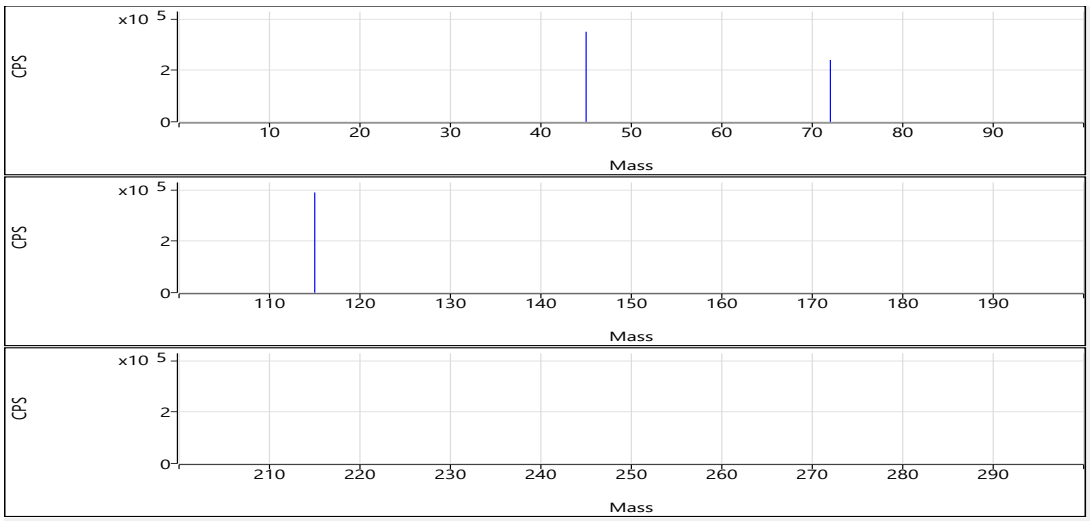
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	267231.31	2.0	115.4	Pulse	0.1000	3
No Gas	Ge	72	181036.83	0.6	109.8	Pulse	0.1000	3
H2	Sc	45	350296.19	0.9	102.6	Pulse	0.1000	3
H2	Ge	72	240558.47	0.8	98.0	Pulse	0.1000	3
H2	In	115	389719.66	0.7	99.9	Pulse	0.1000	3
He	Sc	45	21022.41	2.1	106.4	Pulse	0.1000	3
He	Ge	72	37001.64	2.5	98.8	Pulse	0.1000	3
He	In	115	39486.00	0.7	103.4	Pulse	0.1000	3
He	Tb	159	204215.14	0.4	104.4	Pulse	0.1000	3
He	Bi	209	179422.69	1.5	100.0	Pulse	0.1000	3

No Gas

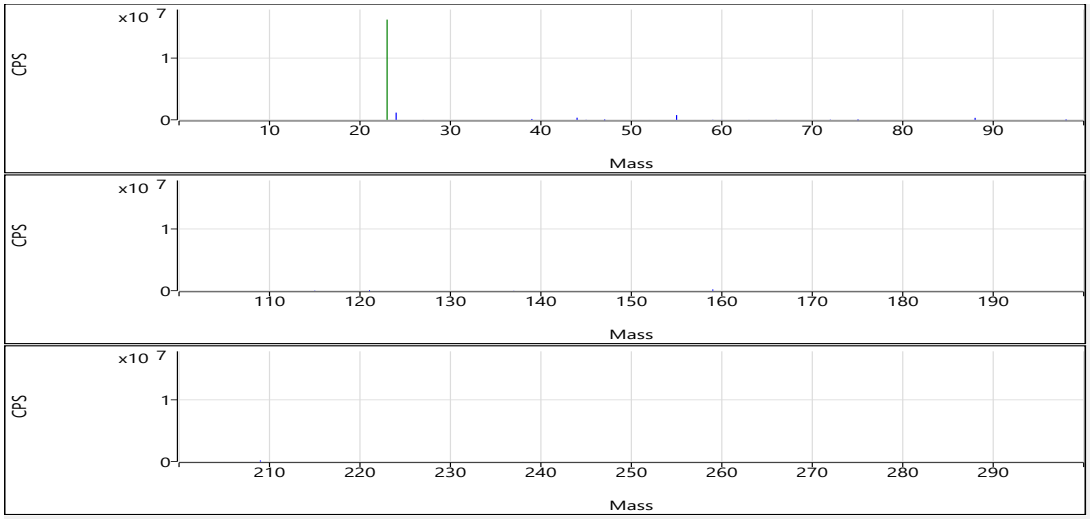


H2



Quantitation Report

He



Quantitation Report

Data File Name	118SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:46:49
Sample Name	410-225004-M-1-A
Sample Type	Sample
Comment	MS-D3
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

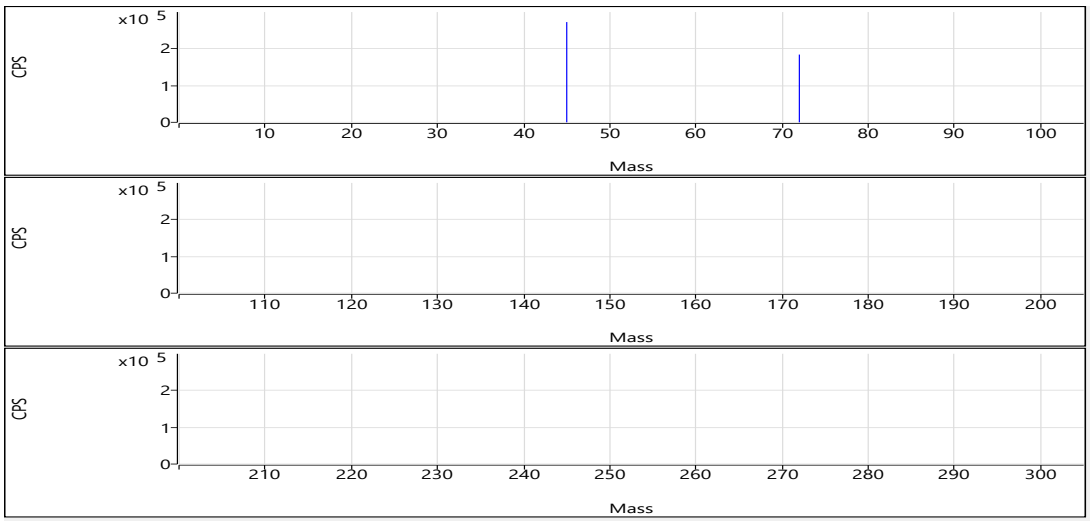
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.047	ppb	50.0	16.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.565	ppb	5.5	62.89	0.0003	Pulse	1.5000	3
Na	23	72	He	41572.816	ppb	0.2	4071298.38	108.7063	Mix	0.1000	3
Mg	24	72	He	7750.196	ppb	1.2	390987.04	10.4406	Pulse	0.1000	3
Al	27	72	He	2.621	ppb	159.6	86.67	0.0023	Pulse	0.1000	3
K	39	72	He	738.748	ppb	2.6	26738.26	0.7139	Pulse	0.1000	3
Ca	44	72	He	45382.259	ppb	1.8	74448.74	1.9881	Pulse	0.1000	3
Ti	47	45	He	-0.335	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	-0.154	ppb	N/A	545.34	0.0146	Pulse	0.5000	3
Cr	52	72	He	0.051	ppb	232.8	1560.13	0.0416	Pulse	0.1000	3
Mn	55	72	He	4.492	ppb	4.2	1506.80	0.0402	Pulse	0.1000	3
Fe	57	72	He	5.192	ppb	17.6	176.68	0.0047	Pulse	0.1000	3
Co	59	72	He	0.101	ppb	45.8	250.01	0.0067	Pulse	0.1000	3
Ni	60	159	He	0.001	ppb	4797.1	443.36	0.0022	Pulse	0.1000	3
Cu	63	72	He	0.723	ppb	3.3	1006.74	0.0269	Pulse	0.1000	3
Zn	66	72	He	2.429	ppb	20.0	416.69	0.0111	Pulse	0.1000	3
As	75	115	He	0.127	ppb	59.5	44.00	0.0011	Pulse	0.5000	3
Sr	88	115	He	69.408	ppb	3.1	28258.87	0.7045	Pulse	0.1000	3
Mo	98	159	He	0.156	ppb	9.2	196.68	0.0010	Pulse	0.1000	3
Ag	107	115	He	0.008	ppb	80.5	36.67	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.032	ppb	41.0	10.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.751	ppb	N/A	2496.99	0.0122	Pulse	0.1000	3
Sb	121	209	He	0.053	ppb	28.5	50.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	31.956	ppb	1.6	7615.70	0.0372	Pulse	0.1000	3
Tl	205	209	He	0.011	ppb	38.4	163.34	0.0009	Pulse	0.1000	3
Pb	208	209	He	0.027	ppb	32.0	570.02	0.0031	Pulse	0.1000	3
U	238	209	He	0.168	ppb	9.5	1956.89	0.0106	Pulse	0.1000	3

ISTD Table:

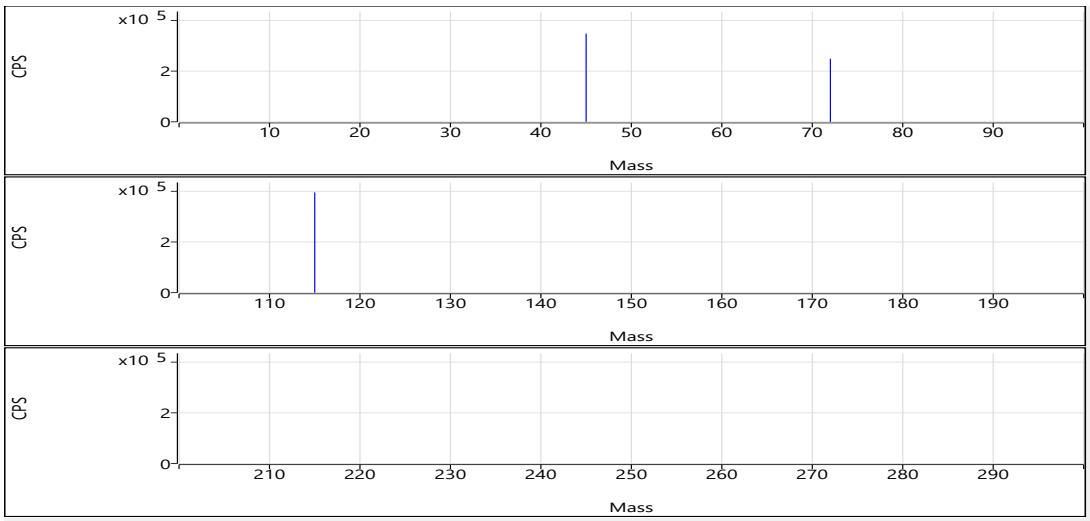
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	271855.05	1.9	117.4	Pulse	0.1000	3
No Gas	Ge	72	183702.67	1.3	111.4	Pulse	0.1000	3
H2	Sc	45	347788.72	0.9	101.8	Pulse	0.1000	3
H2	Ge	72	248931.59	1.3	101.4	Pulse	0.1000	3
H2	In	115	395405.97	1.1	101.4	Pulse	0.1000	3
He	Sc	45	20698.51	1.3	104.8	Pulse	0.1000	3
He	Ge	72	37452.72	1.3	100.0	Pulse	0.1000	3
He	In	115	40125.58	1.6	105.1	Pulse	0.1000	3
He	Tb	159	204810.58	0.7	104.7	Pulse	0.1000	3
He	Bi	209	184632.87	0.6	102.9	Pulse	0.1000	3

No Gas

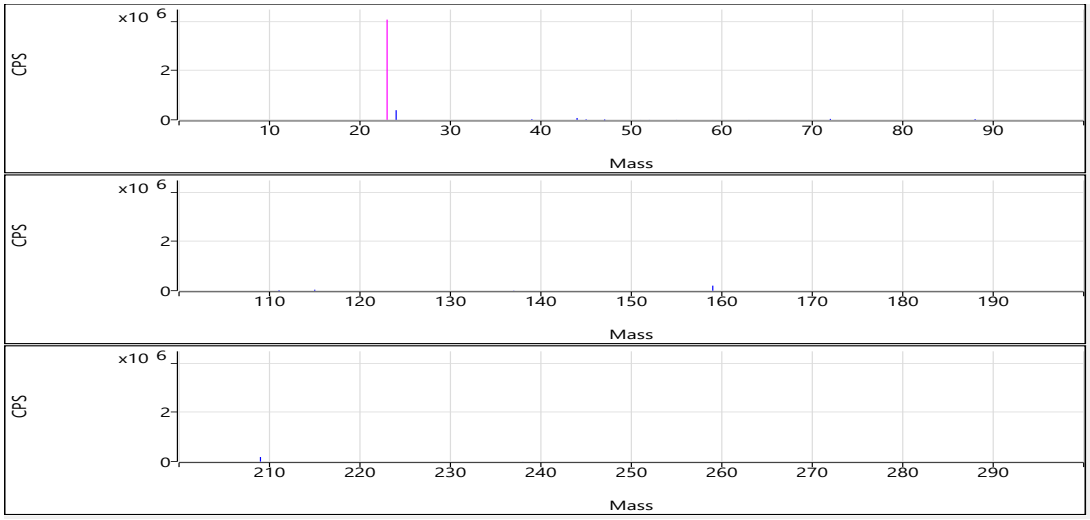


H2



Quantitation Report

He



Quantitation Report

Data File Name	119SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:48:58
Sample Name	410-224729-G-5-A
Sample Type	Sample
Comment	MS-D3
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

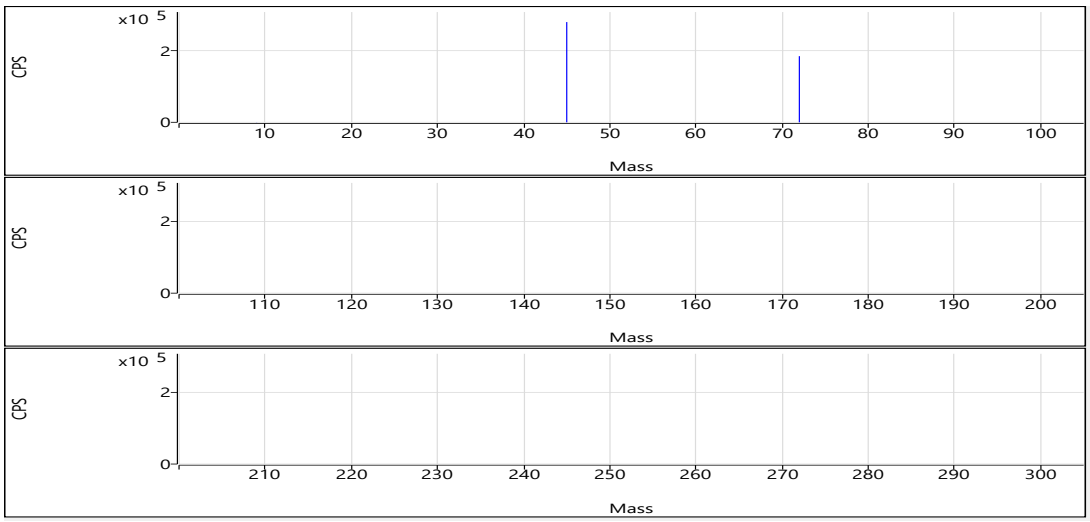
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1.465	ppb	6.7	310.67	0.0011	Pulse	0.5000	3
Se	78	72	H2	0.152	ppb	12.7	20.00	0.0001	Pulse	1.5000	3
Na	23	72	He	1457431.256	ppb	1.4	141457881.22	3 805.8342	Analog	0.1000	3
Mg	24	72	He	34364.919	ppb	1.3	1719537.27	46.2625	Pulse	0.1000	3
Al	27	72	He	469.910	ppb	2.2	7085.29	0.1906	Pulse	0.1000	3
K	39	72	He	7887.729	ppb	1.4	226865.47	6.1036	Pulse	0.1000	3
Ca	44	72	He	148876.383	ppb	1.1	242263.34	6.5177	Pulse	0.1000	3
Ti	47	45	He	3.656	ppb	51.5	63.33	0.0030	Pulse	0.1000	3
V	51	72	He	0.533	ppb	19.0	912.70	0.0245	Pulse	0.5000	3
Cr	52	72	He	1.699	ppb	13.0	2723.69	0.0733	Pulse	0.1000	3
Mn	55	72	He	12383.895	ppb	1.6	3913194.11	105.2840	Pulse	0.1000	3
Fe	57	72	He	75086.980	ppb	1.9	1100306.21	29.6044	Pulse	0.1000	3
Co	59	72	He	131.050	ppb	1.4	179989.43	4.8424	Pulse	0.1000	3
Ni	60	159	He	67.554	ppb	1.9	28508.60	0.1326	Pulse	0.1000	3
Cu	63	72	He	18.723	ppb	0.6	20605.22	0.5543	Pulse	0.1000	3
Zn	66	72	He	72.501	ppb	2.7	9483.41	0.2552	Pulse	0.1000	3
As	75	115	He	2.038	ppb	24.8	202.67	0.0052	Pulse	0.5000	3
Sr	88	115	He	1145.144	ppb	1.1	450372.04	11.6041	Pulse	0.1000	3
Mo	98	159	He	0.525	ppb	10.4	606.71	0.0028	Pulse	0.1000	3
Ag	107	115	He	0.054	ppb	26.6	140.01	0.0036	Pulse	0.1000	3
Cd	111	115	He	0.885	ppb	7.2	234.67	0.0061	Pulse	0.5000	3
Sn	120	159	He	-0.648	ppb	N/A	2707.05	0.0126	Pulse	0.1000	3
Sb	121	209	He	0.114	ppb	47.3	86.67	0.0005	Pulse	0.1000	3
Ba	137	159	He	138.152	ppb	2.8	34393.73	0.1600	Pulse	0.1000	3
Tl	205	209	He	0.008	ppb	30.9	130.00	0.0007	Pulse	0.1000	3
Pb	208	209	He	4.907	ppb	1.5	43696.82	0.2517	Pulse	0.1000	3
U	238	209	He	0.413	ppb	3.4	4480.95	0.0258	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	279606.41	0.2	120.7	Pulse	0.1000	3
No Gas	Ge	72	184493.79	0.4	111.9	Pulse	0.1000	3
H2	Sc	45	345877.86	0.7	101.3	Pulse	0.1000	3
H2	Ge	72	238301.62	1.1	97.1	Pulse	0.1000	3
H2	In	115	367608.07	0.5	94.2	Pulse	0.1000	3
He	Sc	45	21459.62	0.4	108.6	Pulse	0.1000	3
He	Ge	72	37175.44	2.0	99.2	Pulse	0.1000	3
He	In	115	38816.71	2.1	101.7	Pulse	0.1000	3
He	Tb	159	214932.36	0.4	109.8	Pulse	0.1000	3
He	Bi	209	173581.96	1.5	96.7	Pulse	0.1000	3

No Gas



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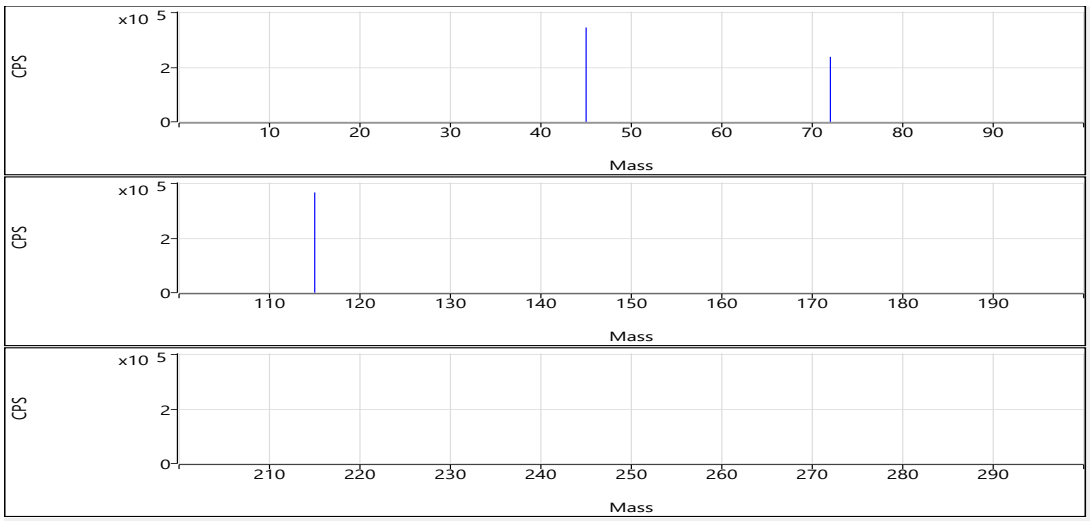
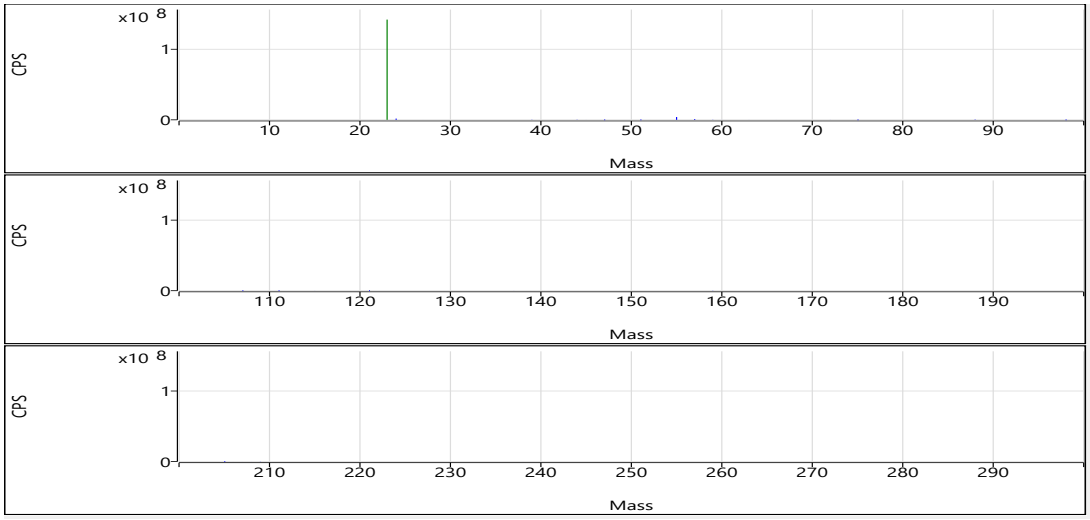


Quantitation Report

He



Quantitation Report

Data File Name	121_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:53:22
Sample Name	CCV 7799630
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

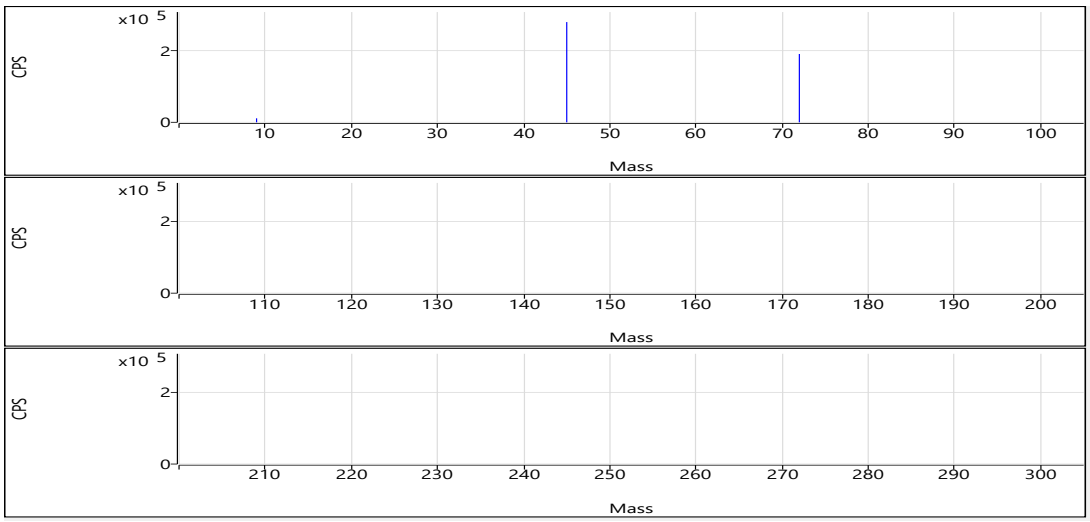
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	53.525	ppb	1.2	11096.13	0.0397	Pulse	0.5000	3
Se	78	72	H2	50.240	ppb	1.0	5007.10	0.0206	Pulse	1.5000	3
Na	23	72	He	5169.748	ppb	3.0	504295.88	13.6497	Pulse	0.1000	3
Mg	24	72	He	4987.449	ppb	2.4	248378.10	6.7222	Pulse	0.1000	3
Al	27	72	He	4983.044	ppb	2.1	74242.45	2.0089	Pulse	0.1000	3
K	39	72	He	5037.313	ppb	2.9	146114.92	3.9547	Pulse	0.1000	3
Ca	44	72	He	5337.742	ppb	4.2	8699.54	0.2355	Pulse	0.1000	3
Ti	47	45	He	4961.117	ppb	2.8	62470.25	3.0722	Pulse	0.1000	3
V	51	72	He	504.125	ppb	2.5	270864.53	7.3308	Pulse	0.5000	3
Cr	52	72	He	501.018	ppb	3.4	356817.29	9.6584	Pulse	0.1000	3
Mn	55	72	He	506.114	ppb	3.0	159042.70	4.3048	Pulse	0.1000	3
Fe	57	72	He	4938.553	ppb	3.1	72028.70	1.9496	Pulse	0.1000	3
Co	59	72	He	505.995	ppb	2.7	690503.64	18.6885	Pulse	0.1000	3
Ni	60	159	He	504.171	ppb	1.0	192145.11	0.9759	Pulse	0.1000	3
Cu	63	72	He	504.567	ppb	2.6	546483.20	14.7901	Pulse	0.1000	3
Zn	66	72	He	513.636	ppb	3.6	66185.15	1.7916	Pulse	0.1000	3
As	75	115	He	487.727	ppb	1.3	40387.01	1.0572	Pulse	0.5000	3
Sr	88	115	He	51.034	ppb	3.1	19797.74	0.5183	Pulse	0.1000	3
Mo	98	159	He	50.129	ppb	0.3	49895.29	0.2534	Pulse	0.1000	3
Ag	107	115	He	50.528	ppb	1.5	113283.28	2.9653	Pulse	0.1000	3
Cd	111	115	He	49.602	ppb	2.2	12883.28	0.3373	Pulse	0.5000	3
Sn	120	159	He	53.574	ppb	2.6	43963.59	0.2233	Pulse	0.1000	3
Sb	121	209	He	50.815	ppb	0.7	34493.40	0.1898	Pulse	0.1000	3
Ba	137	159	He	506.047	ppb	0.7	115279.31	0.5855	Pulse	0.1000	3
Tl	205	209	He	50.400	ppb	0.7	353274.40	1.9437	Pulse	0.1000	3
Pb	208	209	He	50.027	ppb	0.8	463638.99	2.5509	Pulse	0.1000	3
U	238	209	He	49.103	ppb	0.5	553351.79	3.0445	Pulse	0.1000	3

ISTD Table:

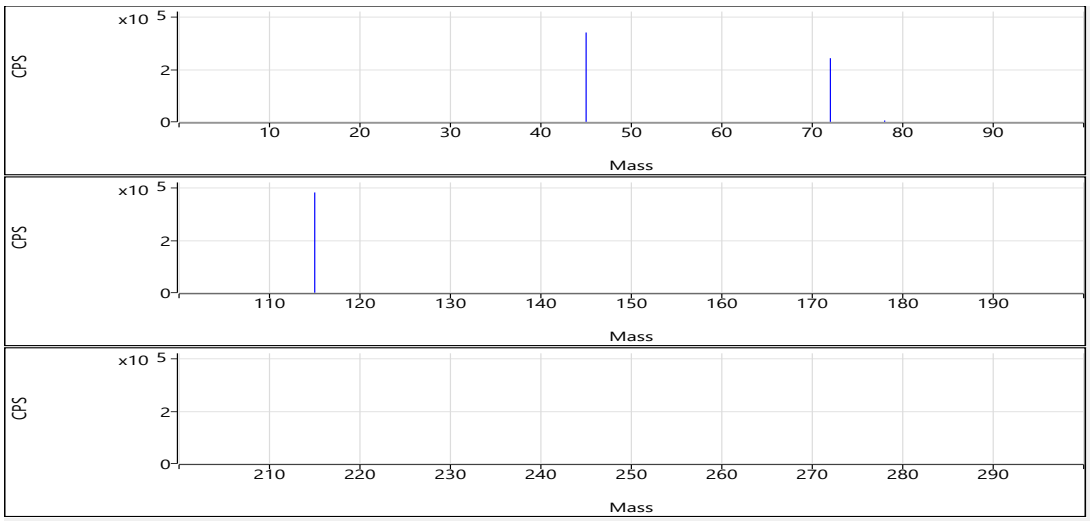
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	279664.42	0.4	120.7	Pulse	0.1000	3
No Gas	Ge	72	190601.70	0.9	115.6	Pulse	0.1000	3
H2	Sc	45	341900.57	0.5	100.1	Pulse	0.1000	3
H2	Ge	72	243586.91	0.4	99.2	Pulse	0.1000	3
H2	In	115	383737.27	0.6	98.4	Pulse	0.1000	3
He	Sc	45	20341.27	2.0	103.0	Pulse	0.1000	3
He	Ge	72	36964.88	2.6	98.7	Pulse	0.1000	3
He	In	115	38207.95	1.5	100.1	Pulse	0.1000	3
He	Tb	159	196890.70	0.7	100.6	Pulse	0.1000	3
He	Bi	209	181759.41	0.8	101.3	Pulse	0.1000	3

No Gas

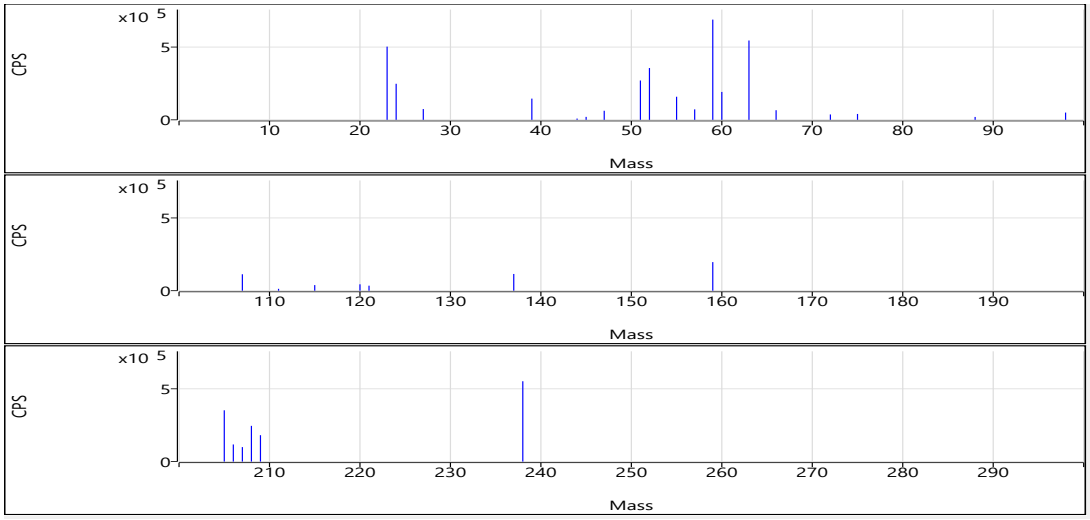


H2



Quantitation Report

He



Quantitation Report

Data File Name	123_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:57:42
Sample Name	CCB 7792565
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

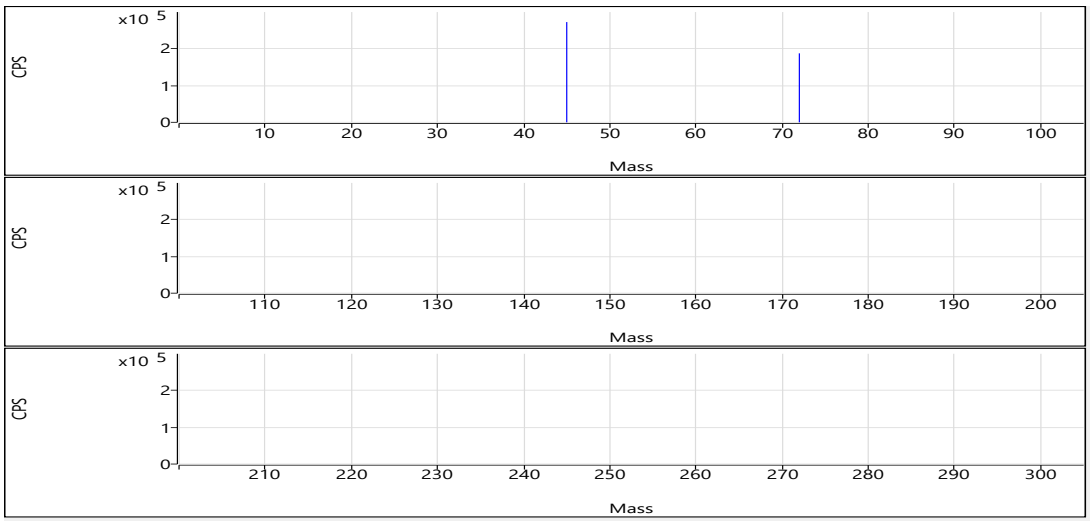
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.068	ppb	36.7	20.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.021	ppb	96.6	7.33	0.0000	Pulse	1.5000	3
Na	23	72	He	173.213	ppb	0.4	22087.04	0.6026	Pulse	0.1000	3
Mg	24	72	He	7.997	ppb	11.7	736.72	0.0201	Pulse	0.1000	3
Al	27	72	He	3.448	ppb	30.1	96.67	0.0026	Pulse	0.1000	3
K	39	72	He	5.091	ppb	233.4	5898.08	0.1608	Pulse	0.1000	3
Ca	44	72	He	40.492	ppb	32.5	133.34	0.0036	Pulse	0.1000	3
Ti	47	45	He	-0.301	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	0.047	ppb	339.4	640.69	0.0175	Pulse	0.5000	3
Cr	52	72	He	-0.076	ppb	N/A	1436.80	0.0392	Pulse	0.1000	3
Mn	55	72	He	1.805	ppb	10.7	636.70	0.0174	Pulse	0.1000	3
Fe	57	72	He	6.822	ppb	33.1	196.68	0.0054	Pulse	0.1000	3
Co	59	72	He	0.138	ppb	56.6	293.35	0.0080	Pulse	0.1000	3
Ni	60	159	He	-0.021	ppb	N/A	420.02	0.0021	Pulse	0.1000	3
Cu	63	72	He	0.079	ppb	88.9	293.35	0.0080	Pulse	0.1000	3
Zn	66	72	He	0.380	ppb	133.1	146.67	0.0040	Pulse	0.1000	3
As	75	115	He	0.068	ppb	99.8	37.33	0.0010	Pulse	0.5000	3
Sr	88	115	He	0.385	ppb	35.6	196.68	0.0051	Pulse	0.1000	3
Mo	98	159	He	0.023	ppb	91.8	56.67	0.0003	Pulse	0.1000	3
Ag	107	115	He	0.009	ppb	55.3	36.67	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.002	ppb	5.7	2.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.216	ppb	N/A	2820.38	0.0143	Pulse	0.1000	3
Sb	121	209	He	0.069	ppb	43.6	60.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	0.056	ppb	112.8	56.67	0.0003	Pulse	0.1000	3
Tl	205	209	He	0.023	ppb	44.7	240.01	0.0013	Pulse	0.1000	3
Pb	208	209	He	0.019	ppb	70.0	480.02	0.0027	Pulse	0.1000	3
U	238	209	He	0.011	ppb	15.7	160.01	0.0009	Pulse	0.1000	3

ISTD Table:

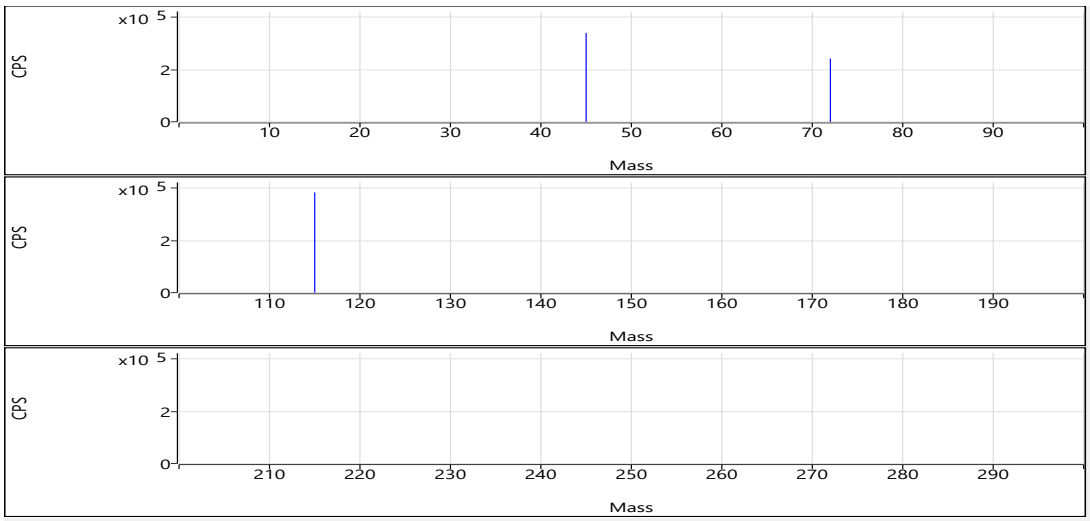
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	271455.99	0.2	117.2	Pulse	0.1000	3
No Gas	Ge	72	186768.75	0.9	113.3	Pulse	0.1000	3
H2	Sc	45	339901.98	0.7	99.5	Pulse	0.1000	3
H2	Ge	72	242174.14	0.6	98.6	Pulse	0.1000	3
H2	In	115	383096.94	0.7	98.2	Pulse	0.1000	3
He	Sc	45	19984.22	1.5	101.1	Pulse	0.1000	3
He	Ge	72	36654.19	1.7	97.9	Pulse	0.1000	3
He	In	115	38504.89	1.8	100.9	Pulse	0.1000	3
He	Tb	159	197789.65	1.8	101.1	Pulse	0.1000	3
He	Bi	209	180503.94	0.5	100.6	Pulse	0.1000	3

No Gas

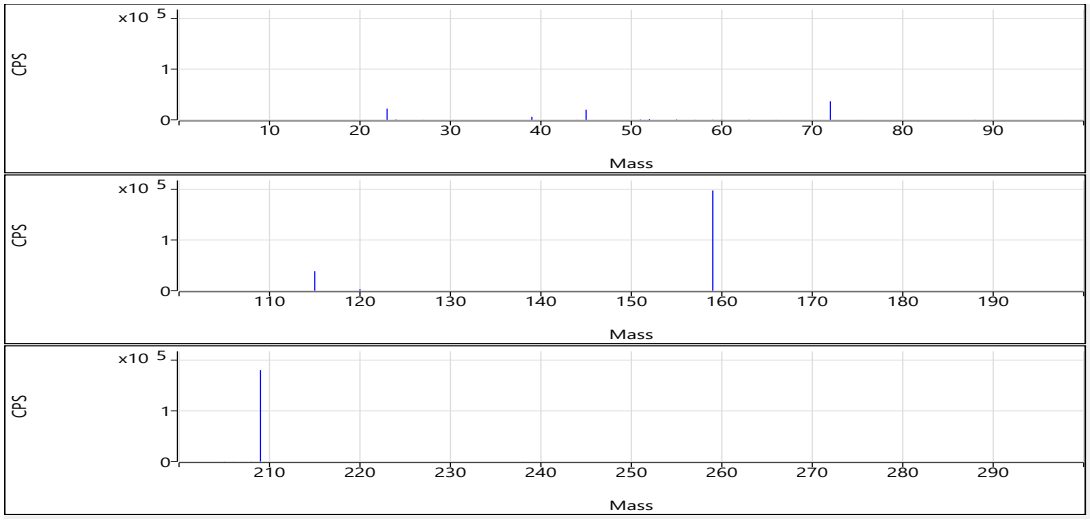


H2



Quantitation Report

He



Quantitation Report

Data File Name	124SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 20:59:53
Sample Name	410-225515-P-1-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	10.0000
Auto Dilution	1.0000
Total Dilution	10.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

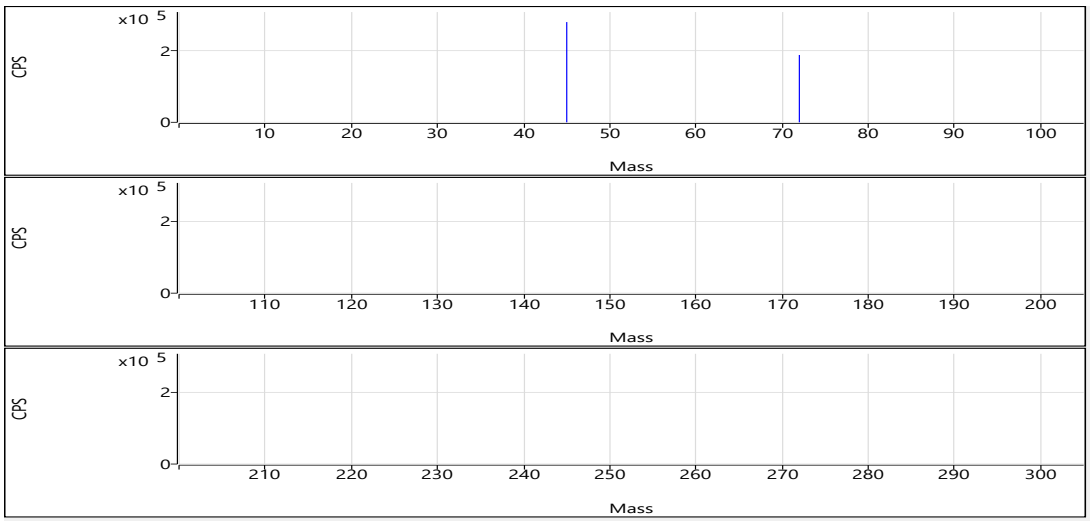
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.620	ppb	29.7	20.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	13.393	ppb	5.0	138.00	0.0006	Pulse	1.5000	3
Na	23	72	He	16218471.479	ppb	2.3	157683580.98	4 235.1614	Analog	0.1000	3
Mg	24	72	He	1053881.878	ppb	1.7	5281999.09	141.8557	Analog	0.1000	3
Al	27	72	He	22.335	ppb	4.2	80.00	0.0021	Pulse	0.1000	3
K	39	72	He	692483.732	ppb	2.3	1949644.87	52.3639	Pulse	0.1000	3
Ca	44	72	He	3676857.097	ppb	2.1	599242.01	16.0942	Pulse	0.1000	3
Ti	47	45	He	6.712	ppb	128.3	23.33	0.0011	Pulse	0.1000	3
V	51	72	He	147.368	ppb	2.9	8586.55	0.2306	Pulse	0.5000	3
Cr	52	72	He	9.861	ppb	10.9	2220.25	0.0596	Pulse	0.1000	3
Mn	55	72	He	6154.064	ppb	1.6	194891.40	5.2339	Pulse	0.1000	3
Fe	57	72	He	486.146	ppb	3.9	813.39	0.0218	Pulse	0.1000	3
Co	59	72	He	24.164	ppb	6.5	3430.52	0.0922	Pulse	0.1000	3
Ni	60	159	He	251.387	ppb	2.3	9997.13	0.0507	Pulse	0.1000	3
Cu	63	72	He	108.915	ppb	6.2	12095.51	0.3248	Pulse	0.1000	3
Zn	66	72	He	348.302	ppb	1.1	4617.57	0.1240	Pulse	0.1000	3
As	75	115	He	1991.421	ppb	0.9	16599.60	0.4321	Pulse	0.5000	3
Sr	88	115	He	17495.895	ppb	0.5	681023.38	17.7285	Pulse	0.1000	3
Mo	98	159	He	114.462	ppb	2.8	11431.72	0.0580	Pulse	0.1000	3
Ag	107	115	He	0.089	ppb	106.1	36.67	0.0010	Pulse	0.1000	3
Cd	111	115	He	5.588	ppb	10.6	147.33	0.0038	Pulse	0.5000	3
Sn	120	159	He	0.978	ppb	148.0	3053.78	0.0155	Pulse	0.1000	3
Sb	121	209	He	55.920	ppb	3.0	3457.22	0.0210	Pulse	0.1000	3
Ba	137	159	He	618.913	ppb	3.0	14154.37	0.0718	Pulse	0.1000	3
Tl	205	209	He	1.466	ppb	4.1	1006.75	0.0061	Pulse	0.1000	3
Pb	208	209	He	1.512	ppb	3.6	1550.10	0.0094	Pulse	0.1000	3
U	238	209	He	35.011	ppb	1.9	35840.32	0.2173	Pulse	0.1000	3

ISTD Table:

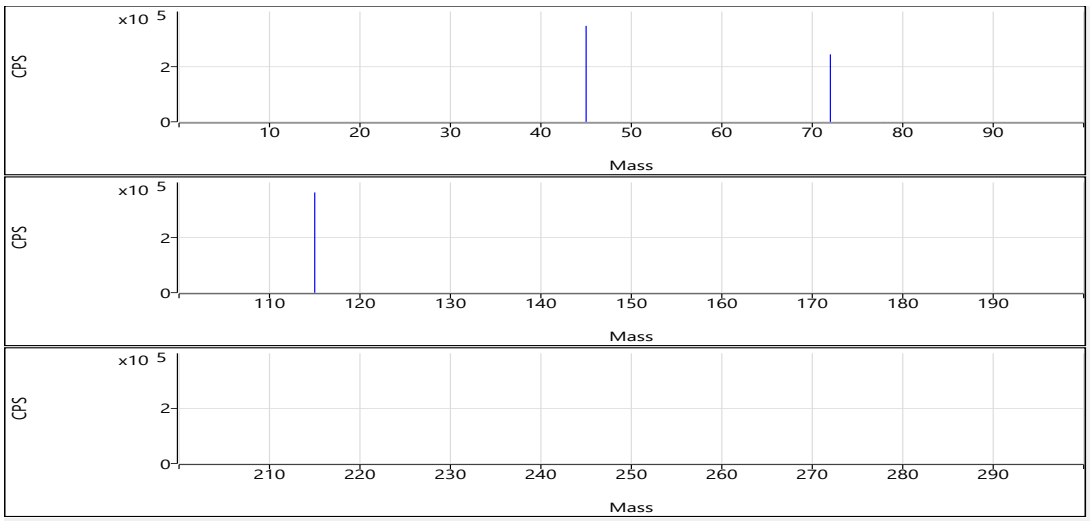
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	278323.21	2.4	120.2	Pulse	0.1000	3
No Gas	Ge	72	186930.24	1.2	113.4	Pulse	0.1000	3
H2	Sc	45	345106.01	0.7	101.1	Pulse	0.1000	3
H2	Ge	72	242490.51	0.2	98.8	Pulse	0.1000	3
H2	In	115	360384.75	0.7	92.4	Pulse	0.1000	3
He	Sc	45	21032.46	3.1	106.5	Pulse	0.1000	3
He	Ge	72	37242.18	1.8	99.4	Pulse	0.1000	3
He	In	115	38413.19	0.9	100.6	Pulse	0.1000	3
He	Tb	159	197157.72	1.3	100.8	Pulse	0.1000	3
He	Bi	209	165000.86	1.8	91.9	Pulse	0.1000	3

No Gas

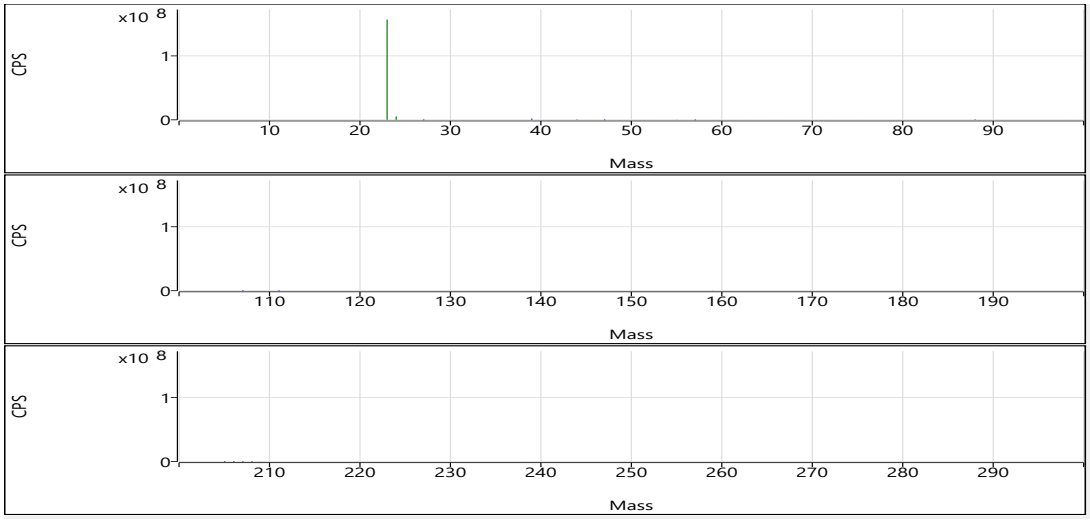


H2



Quantitation Report

He



Quantitation Report

Data File Name	125SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:02:08
Sample Name	410-225515-O-1-A DU
Sample Type	Sample
Comment	MS-G9
Prep Dilution	10.0000
Auto Dilution	1.0000
Total Dilution	10.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

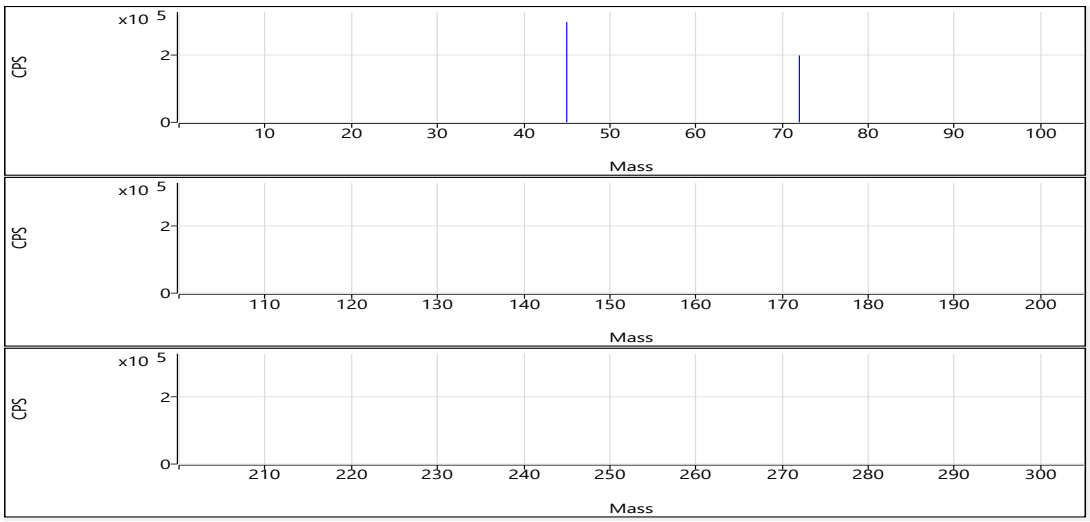
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.853	ppb	17.8	26.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	11.733	ppb	10.8	123.78	0.0005	Pulse	1.5000	3
Na	23	72	He	15933135.350	ppb	2.6	160501767.61	4 160.6537	Analog	0.1000	3
Mg	24	72	He	1032777.886	ppb	2.5	5362787.84	139.0152	Analog	0.1000	3
Al	27	72	He	46.181	ppb	28.0	120.00	0.0031	Pulse	0.1000	3
K	39	72	He	681578.393	ppb	2.5	1988312.89	51.5417	Pulse	0.1000	3
Ca	44	72	He	3643400.143	ppb	2.2	615256.94	15.9478	Pulse	0.1000	3
Ti	47	45	He	1.210	ppb	323.1	16.67	0.0008	Pulse	0.1000	3
V	51	72	He	144.961	ppb	3.1	8760.67	0.2271	Pulse	0.5000	3
Cr	52	72	He	11.202	ppb	4.3	2400.28	0.0622	Pulse	0.1000	3
Mn	55	72	He	6142.831	ppb	2.4	201551.82	5.2244	Pulse	0.1000	3
Fe	57	72	He	437.067	ppb	11.2	766.72	0.0199	Pulse	0.1000	3
Co	59	72	He	23.654	ppb	5.5	3487.21	0.0903	Pulse	0.1000	3
Ni	60	159	He	244.779	ppb	3.0	9783.61	0.0494	Pulse	0.1000	3
Cu	63	72	He	107.521	ppb	0.6	12379.12	0.3207	Pulse	0.1000	3
Zn	66	72	He	317.083	ppb	10.0	4370.81	0.1131	Pulse	0.1000	3
As	75	115	He	2035.514	ppb	0.9	17262.36	0.4417	Pulse	0.5000	3
Sr	88	115	He	17569.126	ppb	1.3	695754.94	17.8027	Pulse	0.1000	3
Mo	98	159	He	123.850	ppb	0.4	12415.87	0.0627	Pulse	0.1000	3
Ag	107	115	He	0.072	ppb	128.9	33.33	0.0009	Pulse	0.1000	3
Cd	111	115	He	5.868	ppb	4.0	157.33	0.0040	Pulse	0.5000	3
Sn	120	159	He	-0.346	ppb	N/A	2963.75	0.0150	Pulse	0.1000	3
Sb	121	209	He	58.760	ppb	3.3	3657.28	0.0220	Pulse	0.1000	3
Ba	137	159	He	655.636	ppb	2.4	15052.05	0.0761	Pulse	0.1000	3
Tl	205	209	He	1.752	ppb	8.4	1196.77	0.0072	Pulse	0.1000	3
Pb	208	209	He	1.451	ppb	7.7	1510.10	0.0091	Pulse	0.1000	3
U	238	209	He	35.270	ppb	2.7	36361.80	0.2189	Pulse	0.1000	3

ISTD Table:

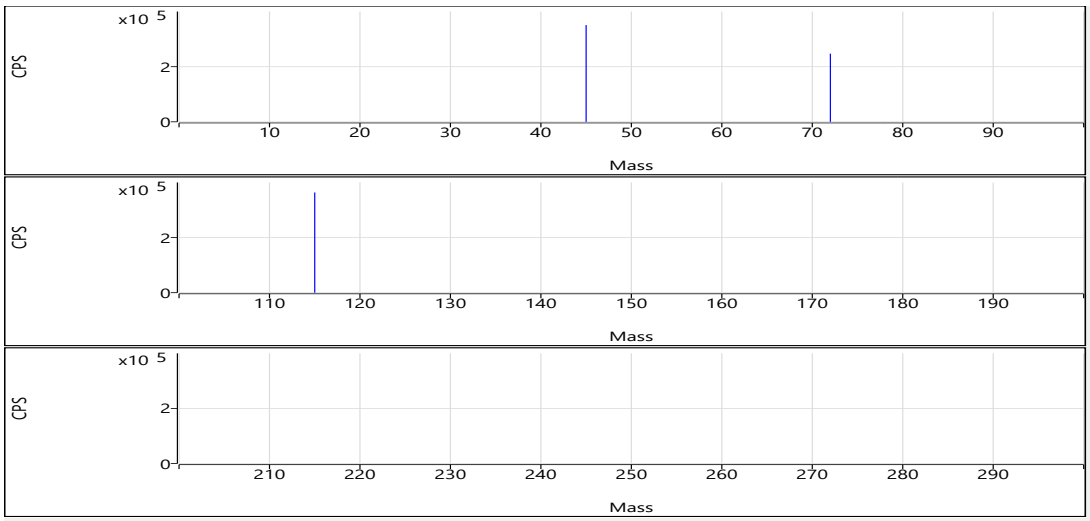
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	299089.36	1.1	129.1	Pulse	0.1000	3
No Gas	Ge	72	199421.75	0.4	121.0	Pulse	0.1000	3
H2	Sc	45	350189.46	0.8	102.6	Pulse	0.1000	3
H2	Ge	72	246817.81	0.9	100.5	Pulse	0.1000	3
H2	In	115	362866.36	0.7	93.0	Pulse	0.1000	3
He	Sc	45	21710.12	4.2	109.9	Pulse	0.1000	3
He	Ge	72	38599.07	3.5	103.0	Pulse	0.1000	3
He	In	115	39085.84	1.4	102.4	Pulse	0.1000	3
He	Tb	159	197898.88	0.6	101.1	Pulse	0.1000	3
He	Bi	209	166141.98	0.6	92.6	Pulse	0.1000	3

No Gas

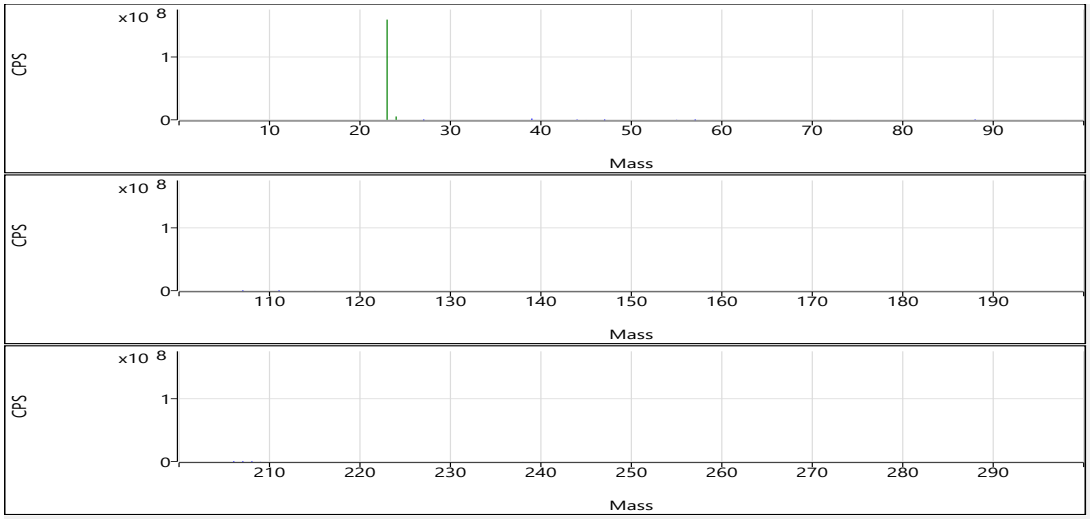


H2



Quantitation Report

He



Quantitation Report

Data File Name	126SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:04:24
Sample Name	410-225515-N-1-A MS
Sample Type	Sample
Comment	MS-G9
Prep Dilution	10.0000
Auto Dilution	1.0000
Total Dilution	10.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

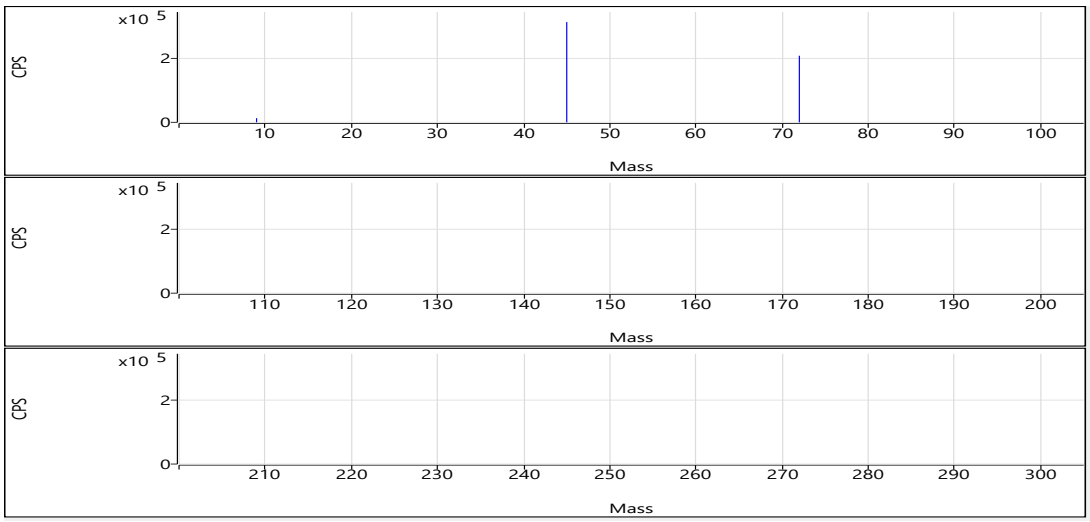
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	554.021	ppb	0.7	12834.18	0.0411	Pulse	0.5000	3
Se	78	72	H2	1000.023	ppb	1.5	10146.01	0.0409	Pulse	1.5000	3
Na	23	72	He	16185098.129	ppb	0.4	164335214.22	4 226.4469	Analog	0.1000	3
Mg	24	72	He	1087920.893	ppb	0.4	5693947.83	146.4372	Analog	0.1000	3
Al	27	72	He	48870.320	ppb	1.5	76604.66	1.9703	Pulse	0.1000	3
K	39	72	He	739408.948	ppb	0.9	2173547.58	55.9016	Pulse	0.1000	3
Ca	44	72	He	3730752.320	ppb	0.2	634971.72	16.3301	Pulse	0.1000	3
Ti	47	45	He	4903.738	ppb	2.2	6471.64	0.3043	Pulse	0.1000	3
V	51	72	He	5148.534	ppb	0.9	291083.68	7.4864	Pulse	0.5000	3
Cr	52	72	He	4789.953	ppb	0.7	359116.45	9.2357	Pulse	0.1000	3
Mn	55	72	He	10905.079	ppb	1.1	360545.80	9.2730	Pulse	0.1000	3
Fe	57	72	He	46909.541	ppb	3.0	72015.61	1.8520	Pulse	0.1000	3
Co	59	72	He	4695.408	ppb	0.4	674315.90	17.3423	Pulse	0.1000	3
Ni	60	159	He	4937.429	ppb	0.8	190653.02	0.9558	Pulse	0.1000	3
Cu	63	72	He	4663.077	ppb	0.3	531497.95	13.6691	Pulse	0.1000	3
Zn	66	72	He	5178.129	ppb	1.4	70224.06	1.8061	Pulse	0.1000	3
As	75	115	He	7149.442	ppb	2.6	60349.45	1.5493	Pulse	0.5000	3
Sr	88	115	He	18500.489	ppb	2.5	730235.09	18.7463	Pulse	0.1000	3
Mo	98	159	He	621.114	ppb	0.7	62625.49	0.3139	Pulse	0.1000	3
Ag	107	115	He	441.606	ppb	2.7	100953.96	2.5917	Pulse	0.1000	3
Cd	111	115	He	465.563	ppb	1.5	12333.45	0.3166	Pulse	0.5000	3
Sn	120	159	He	1019.205	ppb	1.7	82014.06	0.4112	Pulse	0.1000	3
Sb	121	209	He	1176.567	ppb	0.9	73490.27	0.4393	Pulse	0.1000	3
Ba	137	159	He	5724.634	ppb	1.1	132118.05	0.6623	Pulse	0.1000	3
Tl	205	209	He	1010.177	ppb	1.2	651571.95	3.8953	Pulse	0.1000	3
Pb	208	209	He	498.948	ppb	0.4	425586.17	2.5442	Pulse	0.1000	3
U	238	209	He	555.896	ppb	0.3	576538.90	3.4466	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	312480.74	1.9	134.9	Pulse	0.1000	3
No Gas	Ge	72	207512.85	1.5	125.9	Pulse	0.1000	3
H2	Sc	45	351986.27	0.7	103.1	Pulse	0.1000	3
H2	Ge	72	248120.19	0.5	101.1	Pulse	0.1000	3
H2	In	115	367632.68	0.2	94.3	Pulse	0.1000	3
He	Sc	45	21272.63	2.8	107.7	Pulse	0.1000	3
He	Ge	72	38883.38	0.8	103.8	Pulse	0.1000	3
He	In	115	38970.55	2.7	102.1	Pulse	0.1000	3
He	Tb	159	199485.94	0.9	101.9	Pulse	0.1000	3
He	Bi	209	167278.49	0.8	93.2	Pulse	0.1000	3

No Gas



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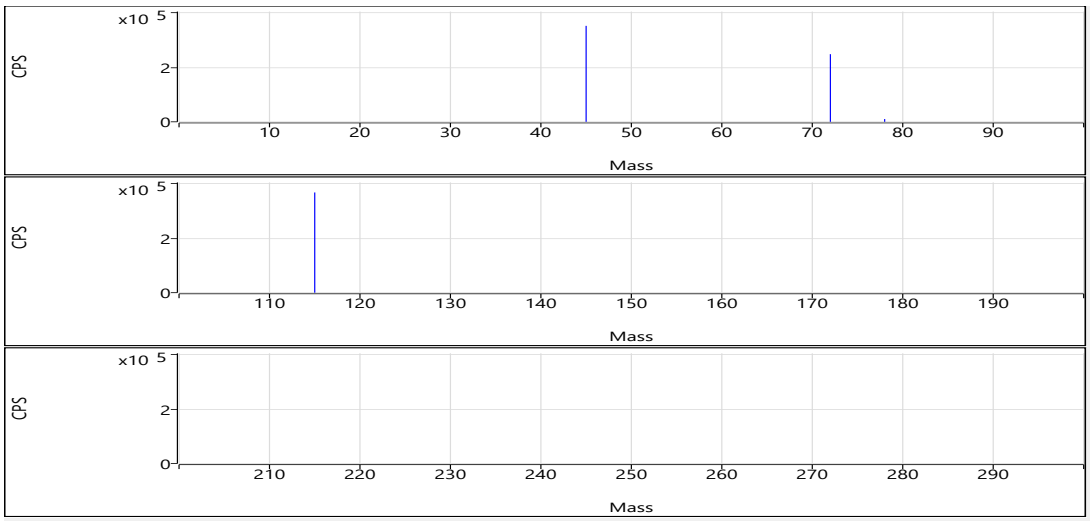
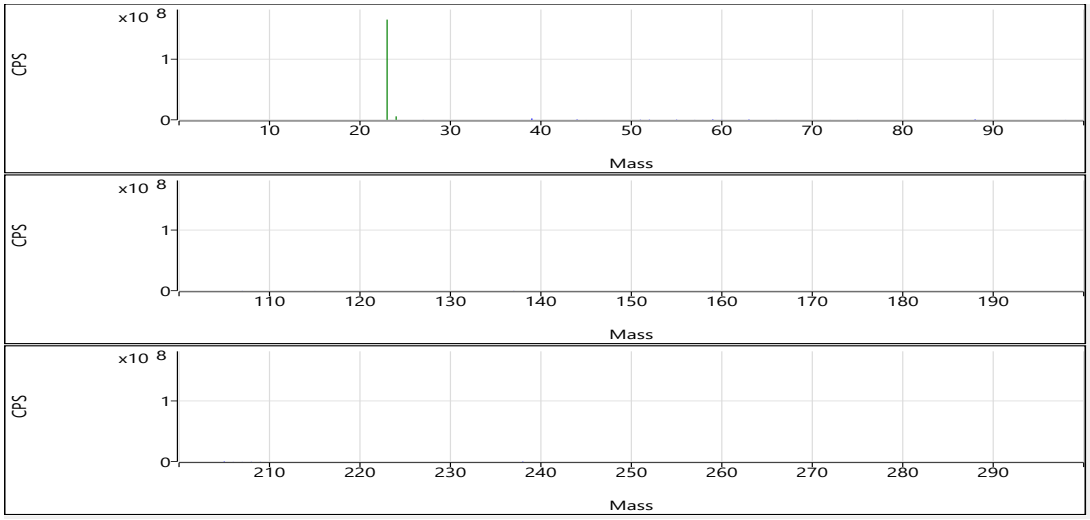


Quantitation Report

He



Quantitation Report

Data File Name	127SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:06:39
Sample Name	410-225515-G-1-A MSD
Sample Type	Sample
Comment	MS-G9
Prep Dilution	10.0000
Auto Dilution	1.0000
Total Dilution	10.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

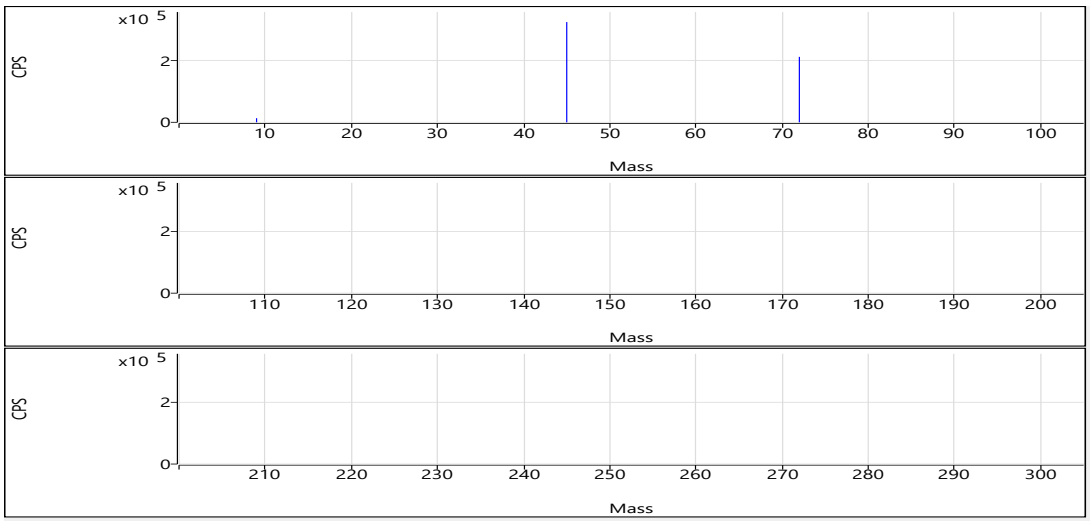
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	550.291	ppb	0.7	13193.14	0.0408	Pulse	0.5000	3
Se	78	72	H2	1003.422	ppb	1.0	10220.07	0.0410	Pulse	1.5000	3
Na	23	72	He	16161414.624	ppb	2.1	163979780.89	4 220.2626	Analog	0.1000	3
Mg	24	72	He	1086491.208	ppb	2.5	5682108.46	146.2447	Analog	0.1000	3
Al	27	72	He	49431.900	ppb	1.0	77442.14	1.9929	Pulse	0.1000	3
K	39	72	He	742994.796	ppb	2.3	2182513.09	56.1719	Pulse	0.1000	3
Ca	44	72	He	3759252.657	ppb	1.7	639377.90	16.4549	Pulse	0.1000	3
Ti	47	45	He	5170.926	ppb	5.1	7108.64	0.3208	Pulse	0.1000	3
V	51	72	He	5169.777	ppb	2.1	292085.96	7.5172	Pulse	0.5000	3
Cr	52	72	He	4838.085	ppb	1.6	362460.20	9.3281	Pulse	0.1000	3
Mn	55	72	He	11006.164	ppb	2.7	363620.49	9.3590	Pulse	0.1000	3
Fe	57	72	He	47388.033	ppb	2.7	72688.12	1.8709	Pulse	0.1000	3
Co	59	72	He	4748.730	ppb	2.1	681485.59	17.5392	Pulse	0.1000	3
Ni	60	159	He	4925.295	ppb	0.7	192128.57	0.9534	Pulse	0.1000	3
Cu	63	72	He	4692.195	ppb	1.8	534445.62	13.7544	Pulse	0.1000	3
Zn	66	72	He	5072.340	ppb	1.8	68750.80	1.7693	Pulse	0.1000	3
As	75	115	He	7109.159	ppb	1.6	60528.81	1.5406	Pulse	0.5000	3
Sr	88	115	He	18480.868	ppb	1.8	735756.92	18.7265	Pulse	0.1000	3
Mo	98	159	He	621.657	ppb	1.0	63322.40	0.3142	Pulse	0.1000	3
Ag	107	115	He	444.585	ppb	0.6	102524.71	2.6092	Pulse	0.1000	3
Cd	111	115	He	463.310	ppb	1.2	12377.48	0.3150	Pulse	0.5000	3
Sn	120	159	He	1000.953	ppb	2.2	81420.58	0.4041	Pulse	0.1000	3
Sb	121	209	He	1196.836	ppb	2.1	74710.02	0.4469	Pulse	0.1000	3
Ba	137	159	He	5769.035	ppb	1.6	134498.89	0.6675	Pulse	0.1000	3
Tl	205	209	He	1013.245	ppb	0.5	653224.21	3.9072	Pulse	0.1000	3
Pb	208	209	He	505.000	ppb	1.1	430483.90	2.5750	Pulse	0.1000	3
U	238	209	He	562.896	ppb	1.2	583452.84	3.4900	Pulse	0.1000	3

ISTD Table:

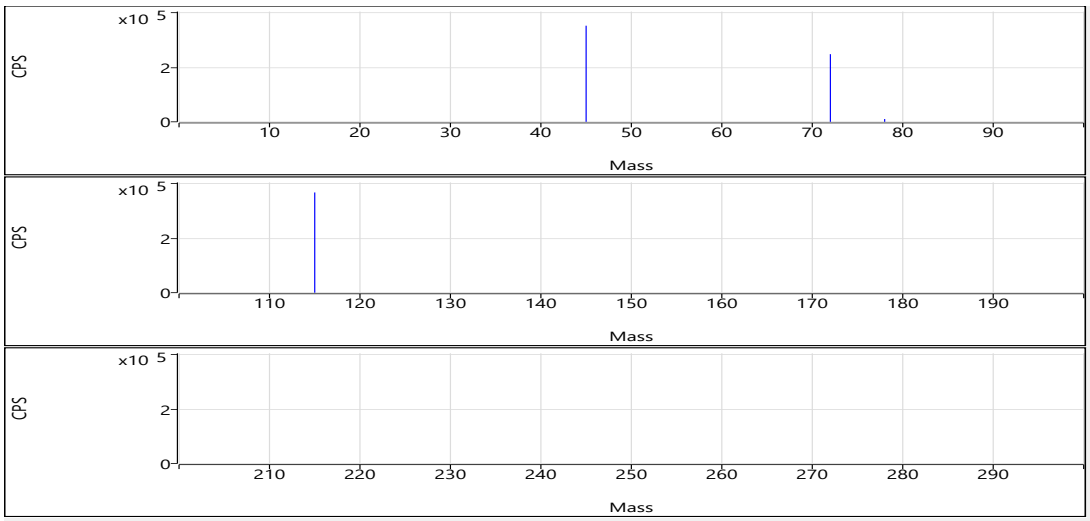
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	323431.02	0.7	139.6	Pulse	0.1000	3
No Gas	Ge	72	211181.98	0.3	128.1	Pulse	0.1000	3
H2	Sc	45	353886.61	0.8	103.6	Pulse	0.1000	3
H2	Ge	72	249072.15	0.8	101.4	Pulse	0.1000	3
H2	In	115	369027.06	0.4	94.6	Pulse	0.1000	3
He	Sc	45	22170.77	2.9	112.2	Pulse	0.1000	3
He	Ge	72	38863.19	1.5	103.7	Pulse	0.1000	3
He	In	115	39292.82	0.7	102.9	Pulse	0.1000	3
He	Tb	159	201516.21	0.6	103.0	Pulse	0.1000	3
He	Bi	209	167191.55	1.2	93.2	Pulse	0.1000	3

No Gas

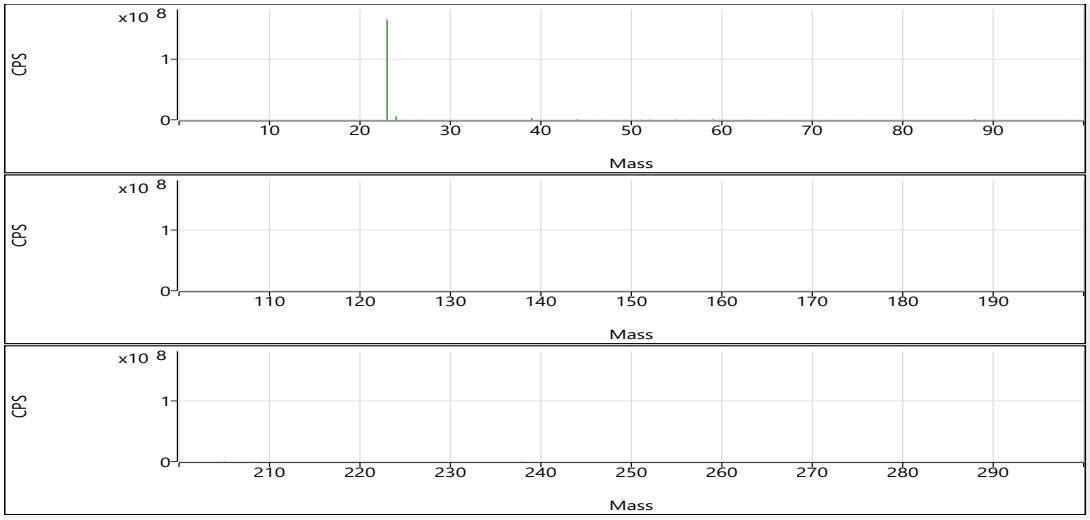


H2



Quantitation Report

He



Quantitation Report

Data File Name	128SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:08:54
Sample Name	180-191137-I-3-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

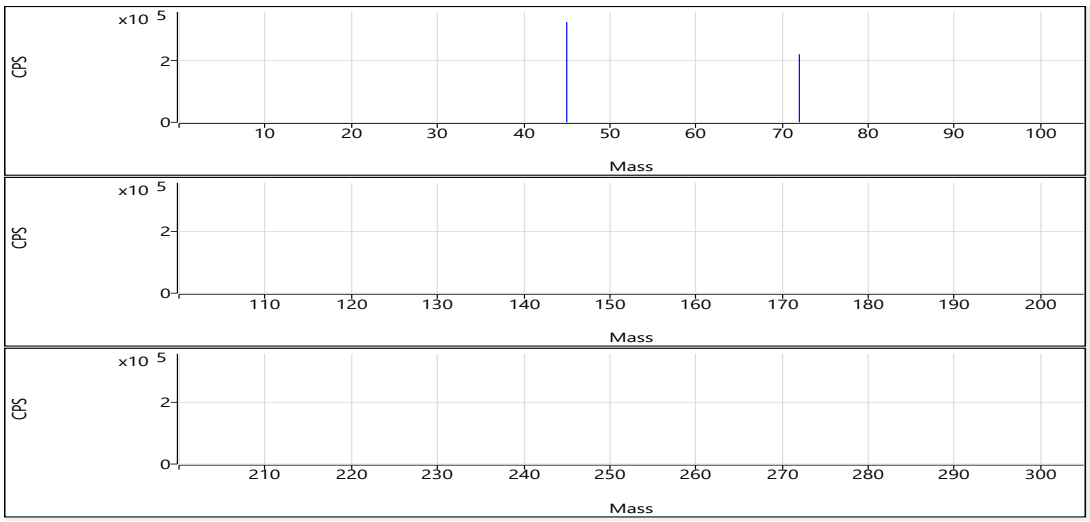
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.149	ppb	36.1	44.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.223	ppb	7.0	30.22	0.0001	Pulse	1.5000	3
Na	23	72	He	2883.806	ppb	0.9	305689.96	7.6805	Pulse	0.1000	3
Mg	24	72	He	3068.800	ppb	2.3	164736.94	4.1398	Pulse	0.1000	3
Al	27	72	He	2.944	ppb	47.9	96.67	0.0024	Pulse	0.1000	3
K	39	72	He	1660.753	ppb	1.2	56080.86	1.4090	Pulse	0.1000	3
Ca	44	72	He	13716.396	ppb	1.8	23963.51	0.6022	Pulse	0.1000	3
Ti	47	45	He	-0.387	ppb	N/A	10.00	0.0004	Pulse	0.1000	3
V	51	72	He	0.060	ppb	145.9	704.02	0.0177	Pulse	0.5000	3
Cr	52	72	He	-0.218	ppb	N/A	1453.46	0.0365	Pulse	0.1000	3
Mn	55	72	He	2475.070	ppb	1.4	837464.60	21.0439	Pulse	0.1000	3
Fe	57	72	He	6508.238	ppb	1.9	102214.38	2.5684	Pulse	0.1000	3
Co	59	72	He	17.966	ppb	2.8	26514.89	0.6664	Pulse	0.1000	3
Ni	60	159	He	10.321	ppb	3.4	4650.89	0.0221	Pulse	0.1000	3
Cu	63	72	He	0.514	ppb	16.3	826.72	0.0208	Pulse	0.1000	3
Zn	66	72	He	11.679	ppb	8.2	1723.49	0.0433	Pulse	0.1000	3
As	75	115	He	0.445	ppb	6.3	72.67	0.0018	Pulse	0.5000	3
Sr	88	115	He	119.577	ppb	1.4	49349.22	1.2128	Pulse	0.1000	3
Mo	98	159	He	0.179	ppb	20.1	226.68	0.0011	Pulse	0.1000	3
Ag	107	115	He	0.027	ppb	60.5	83.33	0.0020	Pulse	0.1000	3
Cd	111	115	He	0.029	ppb	39.4	9.33	0.0002	Pulse	0.5000	3
Sn	120	159	He	0.302	ppb	31.5	3427.21	0.0163	Pulse	0.1000	3
Sb	121	209	He	0.285	ppb	10.9	216.68	0.0011	Pulse	0.1000	3
Ba	137	159	He	136.510	ppb	0.6	33274.32	0.1581	Pulse	0.1000	3
Tl	205	209	He	0.097	ppb	24.7	793.39	0.0042	Pulse	0.1000	3
Pb	208	209	He	0.032	ppb	12.7	633.37	0.0033	Pulse	0.1000	3
U	238	209	He	0.043	ppb	9.0	540.04	0.0028	Pulse	0.1000	3

ISTD Table:

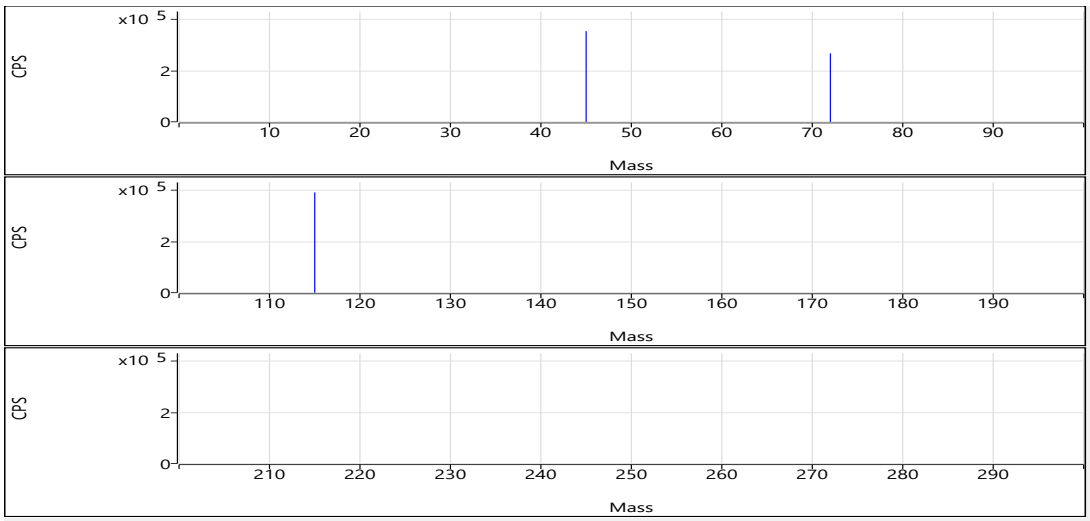
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	327235.77	0.6	141.3	Pulse	0.1000	3
No Gas	Ge	72	222262.17	0.5	134.8	Pulse	0.1000	3
H2	Sc	45	354696.83	0.6	103.9	Pulse	0.1000	3
H2	Ge	72	267633.67	0.8	109.0	Pulse	0.1000	3
H2	In	115	391964.87	1.0	100.5	Pulse	0.1000	3
He	Sc	45	22154.02	2.3	112.1	Pulse	0.1000	3
He	Ge	72	39802.38	1.8	106.3	Pulse	0.1000	3
He	In	115	40693.40	0.9	106.6	Pulse	0.1000	3
He	Tb	159	210455.84	1.0	107.5	Pulse	0.1000	3
He	Bi	209	190017.67	0.6	105.9	Pulse	0.1000	3

No Gas

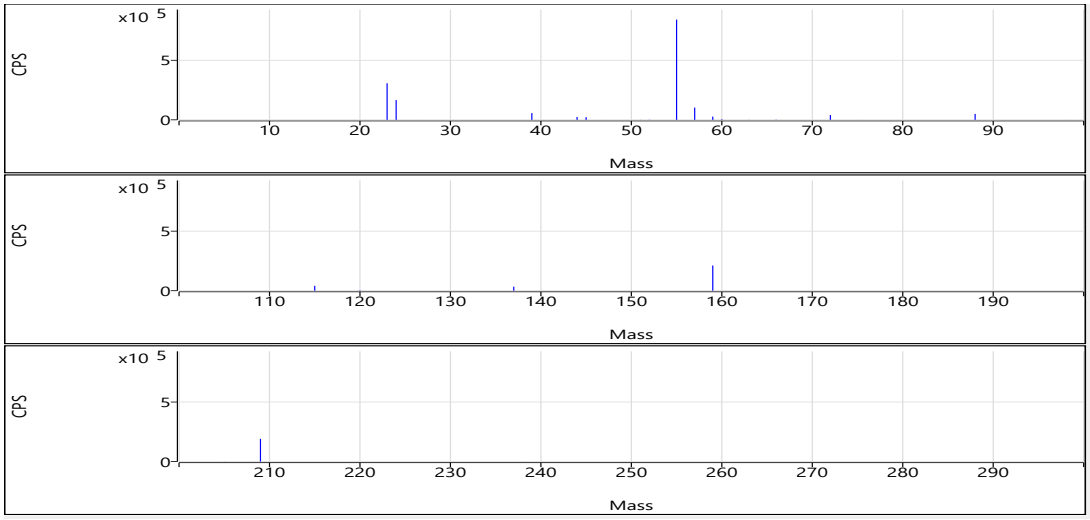


H2



Quantitation Report

He



Quantitation Report

Data File Name	129SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:11:04
Sample Name	180-191084-I-7-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

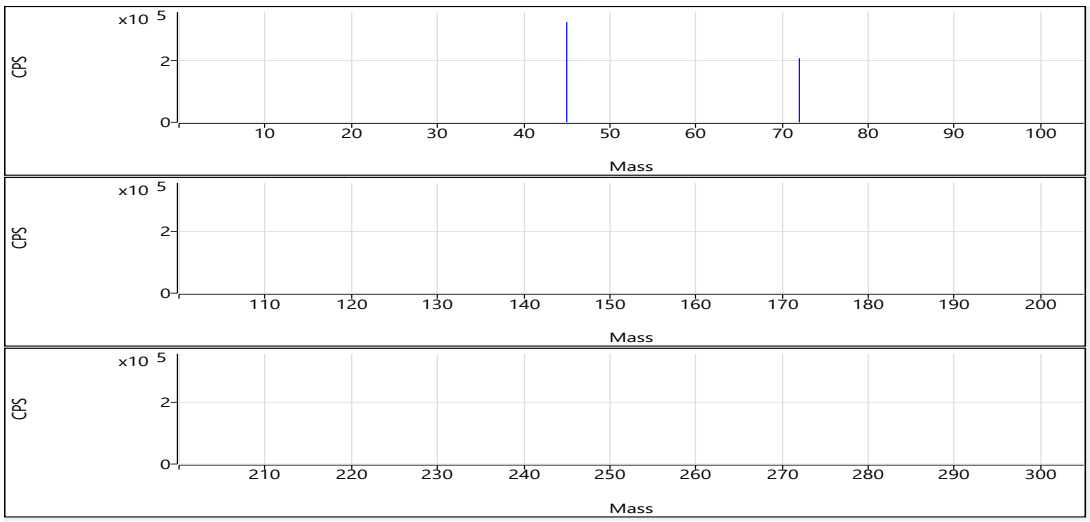
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.092	ppb	21.4	30.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.112	ppb	39.2	16.89	0.0001	Pulse	1.5000	3
Na	23	72	He	7658.087	ppb	0.5	752822.62	20.1473	Pulse	0.1000	3
Mg	24	72	He	26207.883	ppb	0.2	1318403.68	35.2836	Pulse	0.1000	3
Al	27	72	He	8.638	ppb	23.6	176.67	0.0047	Pulse	0.1000	3
K	39	72	He	2239.818	ppb	1.6	68962.18	1.8456	Pulse	0.1000	3
Ca	44	72	He	115240.181	ppb	1.1	188527.82	5.0455	Pulse	0.1000	3
Ti	47	45	He	-0.852	ppb	N/A	3.33	0.0002	Pulse	0.1000	3
V	51	72	He	0.079	ppb	106.8	670.69	0.0180	Pulse	0.5000	3
Cr	52	72	He	-0.129	ppb	N/A	1426.79	0.0382	Pulse	0.1000	3
Mn	55	72	He	21.769	ppb	1.9	6991.91	0.1871	Pulse	0.1000	3
Fe	57	72	He	25.145	ppb	12.7	470.02	0.0126	Pulse	0.1000	3
Co	59	72	He	0.358	ppb	13.3	603.37	0.0161	Pulse	0.1000	3
Ni	60	159	He	1.617	ppb	8.4	1086.74	0.0053	Pulse	0.1000	3
Cu	63	72	He	0.433	ppb	22.4	686.71	0.0184	Pulse	0.1000	3
Zn	66	72	He	1.978	ppb	53.0	356.68	0.0096	Pulse	0.1000	3
As	75	115	He	0.350	ppb	18.3	62.67	0.0016	Pulse	0.5000	3
Sr	88	115	He	5572.391	ppb	0.4	2240786.84	56.4620	Pulse	0.1000	3
Mo	98	159	He	2.236	ppb	12.9	2356.96	0.0115	Pulse	0.1000	3
Ag	107	115	He	0.010	ppb	87.9	40.00	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.012	ppb	195.8	4.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.136	ppb	N/A	2997.10	0.0146	Pulse	0.1000	3
Sb	121	209	He	0.179	ppb	32.8	136.67	0.0007	Pulse	0.1000	3
Ba	137	159	He	40.456	ppb	3.7	9663.70	0.0470	Pulse	0.1000	3
Tl	205	209	He	0.060	ppb	24.7	510.03	0.0028	Pulse	0.1000	3
Pb	208	209	He	0.069	ppb	23.6	953.39	0.0052	Pulse	0.1000	3
U	238	209	He	0.829	ppb	2.9	9487.10	0.0516	Pulse	0.1000	3

ISTD Table:

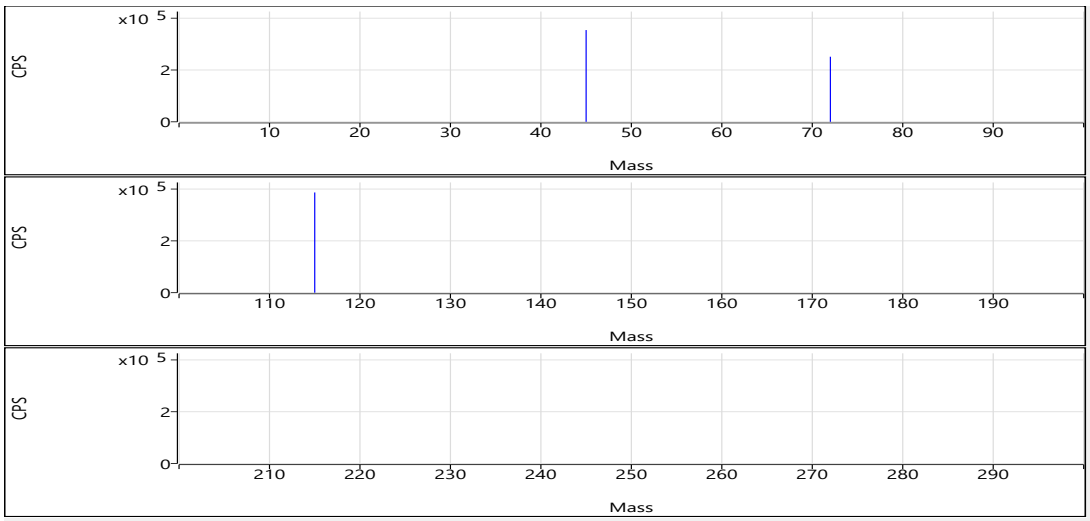
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	325728.83	1.0	140.6	Pulse	0.1000	3
No Gas	Ge	72	208451.10	0.9	126.4	Pulse	0.1000	3
H2	Sc	45	352970.37	1.3	103.4	Pulse	0.1000	3
H2	Ge	72	250398.31	0.6	102.0	Pulse	0.1000	3
H2	In	115	385597.32	0.8	98.9	Pulse	0.1000	3
He	Sc	45	21329.40	2.6	108.0	Pulse	0.1000	3
He	Ge	72	37365.90	0.3	99.8	Pulse	0.1000	3
He	In	115	39687.41	0.8	104.0	Pulse	0.1000	3
He	Tb	159	205564.55	0.3	105.0	Pulse	0.1000	3
He	Bi	209	183945.34	0.1	102.5	Pulse	0.1000	3

No Gas

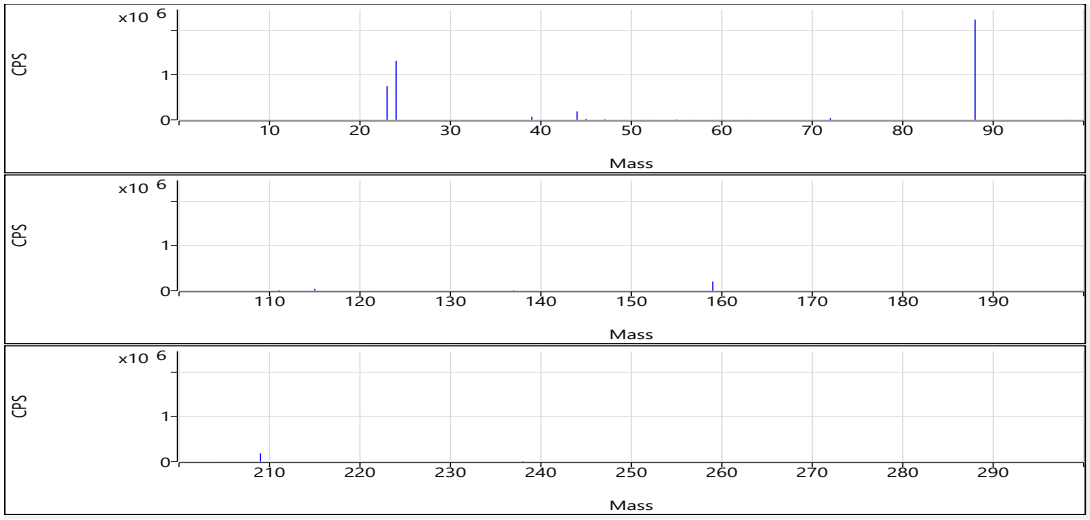


H2



Quantitation Report

He



Quantitation Report

Data File Name	129SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:13:40
Sample Name	180-191084-I-7-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

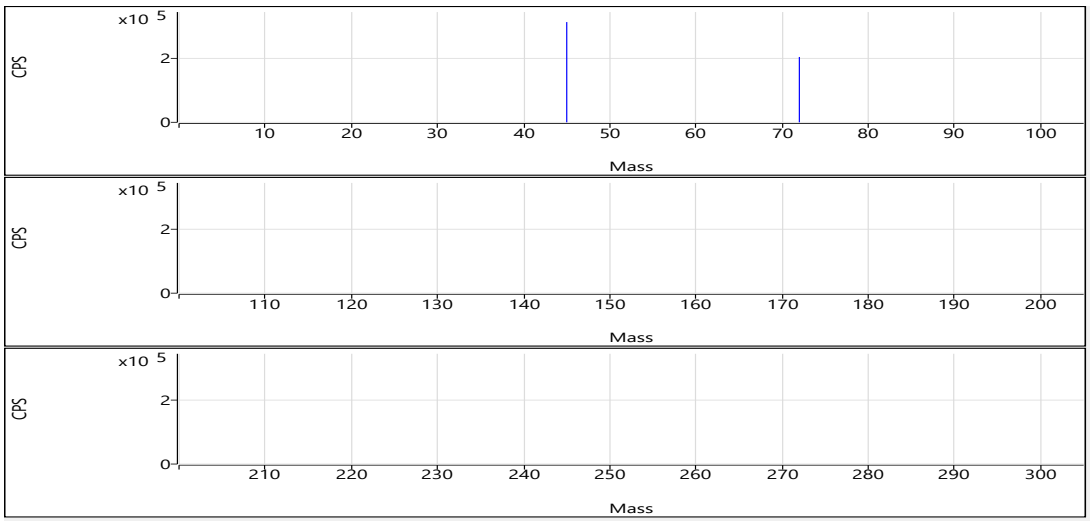
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.350	ppb	24.3	24.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.299	ppb	27.8	11.55	0.0000	Pulse	1.5000	3
Na	23	72	He	10504.221	ppb	1.8	207398.48	5.6361	Pulse	0.1000	3
Mg	24	72	He	27096.725	ppb	1.2	268766.93	7.3035	Pulse	0.1000	3
Al	27	72	He	27.197	ppb	28.1	126.67	0.0034	Pulse	0.1000	3
K	39	72	He	2448.718	ppb	2.1	19366.61	0.5262	Pulse	0.1000	3
Ca	44	72	He	119305.461	ppb	3.8	38498.24	1.0462	Pulse	0.1000	3
Ti	47	45	He	-4.232	ppb	N/A	3.33	0.0002	Pulse	0.1000	3
V	51	72	He	0.630	ppb	84.0	686.02	0.0186	Pulse	0.5000	3
Cr	52	72	He	0.760	ppb	61.8	1603.47	0.0436	Pulse	0.1000	3
Mn	55	72	He	28.777	ppb	8.6	1876.85	0.0510	Pulse	0.1000	3
Fe	57	72	He	42.145	ppb	39.9	220.01	0.0060	Pulse	0.1000	3
Co	59	72	He	0.830	ppb	15.6	333.35	0.0091	Pulse	0.1000	3
Ni	60	159	He	2.908	ppb	27.7	663.37	0.0033	Pulse	0.1000	3
Cu	63	72	He	1.285	ppb	17.8	486.69	0.0132	Pulse	0.1000	3
Zn	66	72	He	3.851	ppb	21.7	196.68	0.0053	Pulse	0.1000	3
As	75	115	He	0.973	ppb	121.7	49.33	0.0012	Pulse	0.5000	3
Sr	88	115	He	5651.253	ppb	2.0	454792.74	11.4532	Pulse	0.1000	3
Mo	98	159	He	2.414	ppb	0.9	526.70	0.0026	Pulse	0.1000	3
Ag	107	115	He	0.063	ppb	87.4	46.67	0.0012	Pulse	0.1000	3
Cd	111	115	He	0.123	ppb	80.8	8.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.277	ppb	N/A	3007.11	0.0149	Pulse	0.1000	3
Sb	121	209	He	0.513	ppb	30.2	83.33	0.0005	Pulse	0.1000	3
Ba	137	159	He	44.451	ppb	3.8	2120.24	0.0105	Pulse	0.1000	3
Tl	205	209	He	0.160	ppb	14.4	306.68	0.0017	Pulse	0.1000	3
Pb	208	209	He	0.107	ppb	43.5	506.68	0.0028	Pulse	0.1000	3
U	238	209	He	0.949	ppb	2.7	2183.61	0.0120	Pulse	0.1000	3

ISTD Table:

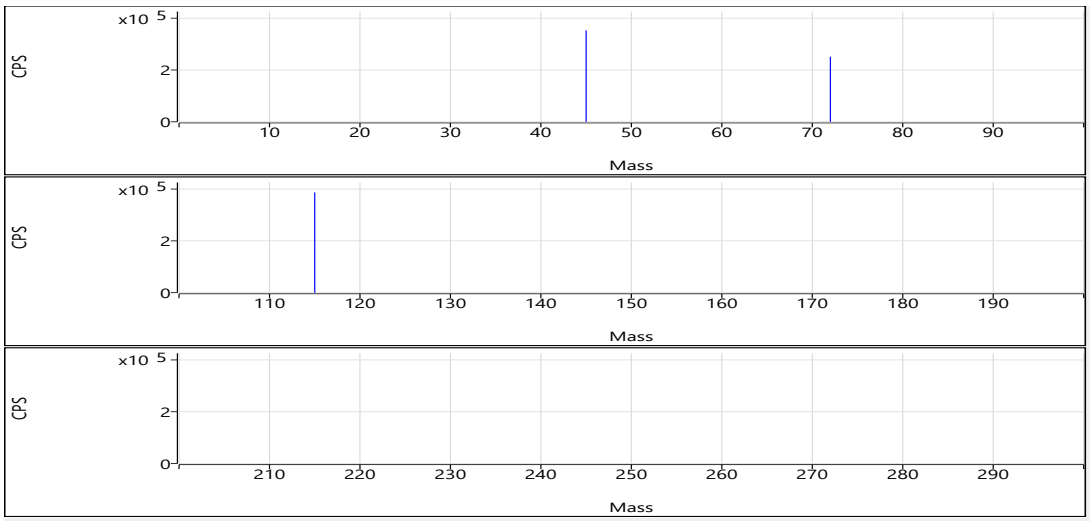
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	316140.36	2.3	136.5	Pulse	0.1000	3
No Gas	Ge	72	206076.90	1.9	125.0	Pulse	0.1000	3
H2	Sc	45	351566.71	1.2	103.0	Pulse	0.1000	3
H2	Ge	72	250424.19	1.4	102.0	Pulse	0.1000	3
H2	In	115	385435.03	1.1	98.8	Pulse	0.1000	3
He	Sc	45	20798.70	1.4	105.3	Pulse	0.1000	3
He	Ge	72	36804.34	1.5	98.3	Pulse	0.1000	3
He	In	115	39717.05	1.7	104.0	Pulse	0.1000	3
He	Tb	159	201831.58	0.5	103.1	Pulse	0.1000	3
He	Bi	209	182344.74	0.9	101.6	Pulse	0.1000	3

No Gas

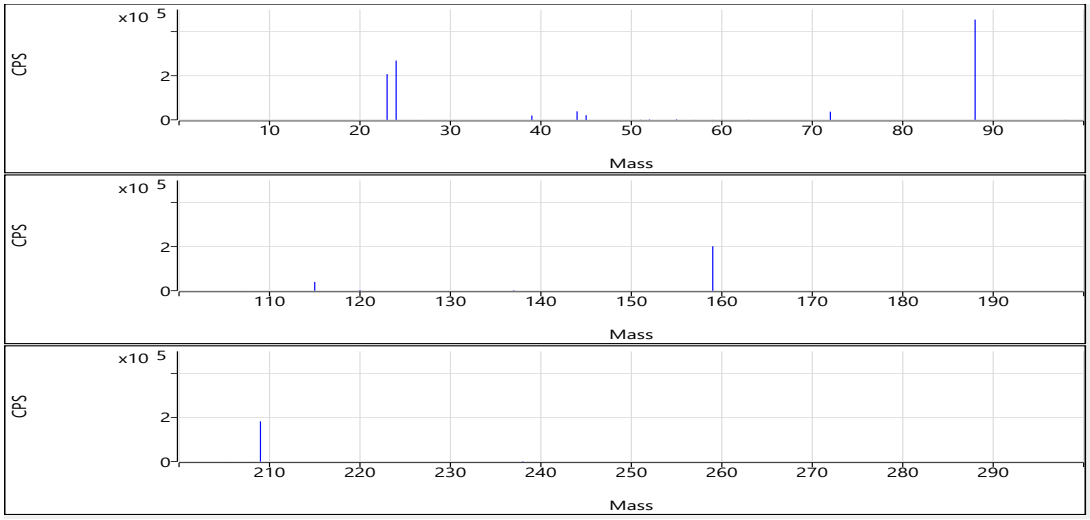


H2



Quantitation Report

He



Quantitation Report

Data File Name	130SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:15:52
Sample Name	180-191137-I-6-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

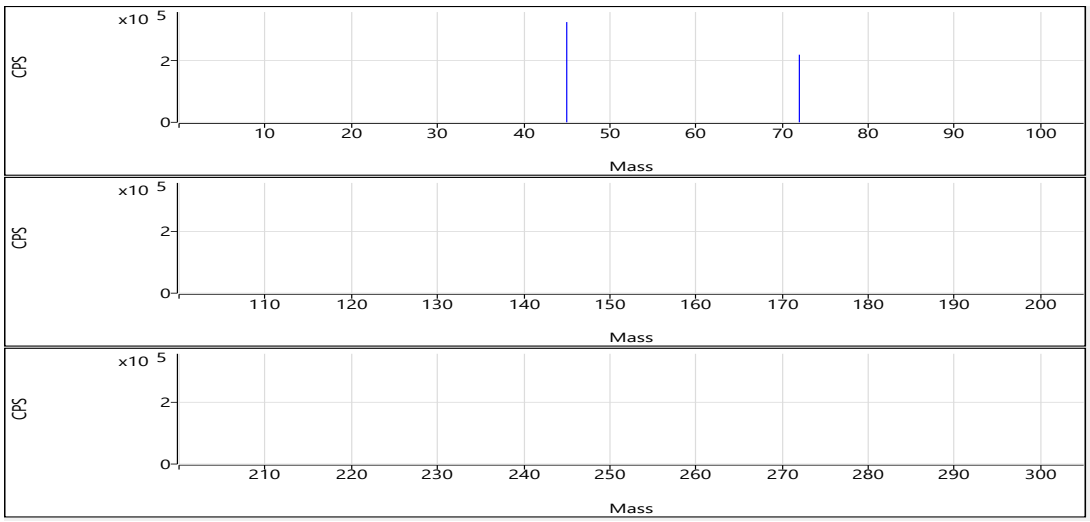
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.129	ppb	48.6	39.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.028	ppb	251.7	8.67	0.0000	Pulse	1.5000	3
Na	23	72	He	1133.710	ppb	1.5	125877.78	3.1106	Pulse	0.1000	3
Mg	24	72	He	707.778	ppb	2.9	38921.67	0.9620	Pulse	0.1000	3
Al	27	72	He	30.258	ppb	17.4	543.36	0.0134	Pulse	0.1000	3
K	39	72	He	508.258	ppb	3.1	21856.81	0.5402	Pulse	0.1000	3
Ca	44	72	He	1512.784	ppb	5.9	2753.71	0.0681	Pulse	0.1000	3
Ti	47	45	He	-0.848	ppb	N/A	3.33	0.0002	Pulse	0.1000	3
V	51	72	He	0.068	ppb	162.1	720.02	0.0178	Pulse	0.5000	3
Cr	52	72	He	-0.237	ppb	N/A	1460.13	0.0361	Pulse	0.1000	3
Mn	55	72	He	5757.479	ppb	1.6	1980757.05	48.9494	Pulse	0.1000	3
Fe	57	72	He	776.603	ppb	1.7	12499.05	0.3088	Pulse	0.1000	3
Co	59	72	He	151.575	ppb	1.3	226629.08	5.6004	Pulse	0.1000	3
Ni	60	159	He	4.148	ppb	2.0	2096.89	0.0102	Pulse	0.1000	3
Cu	63	72	He	0.878	ppb	16.1	1270.10	0.0314	Pulse	0.1000	3
Zn	66	72	He	9.720	ppb	11.7	1476.80	0.0365	Pulse	0.1000	3
As	75	115	He	0.293	ppb	60.5	58.67	0.0015	Pulse	0.5000	3
Sr	88	115	He	30.706	ppb	3.8	12562.66	0.3123	Pulse	0.1000	3
Mo	98	159	He	0.066	ppb	53.0	103.34	0.0005	Pulse	0.1000	3
Ag	107	115	He	0.017	ppb	13.2	56.67	0.0014	Pulse	0.1000	3
Cd	111	115	He	0.292	ppb	29.8	81.33	0.0020	Pulse	0.5000	3
Sn	120	159	He	-0.164	ppb	N/A	2983.77	0.0145	Pulse	0.1000	3
Sb	121	209	He	0.061	ppb	105.2	56.67	0.0003	Pulse	0.1000	3
Ba	137	159	He	166.148	ppb	0.2	39651.10	0.1924	Pulse	0.1000	3
Tl	205	209	He	0.089	ppb	27.4	726.72	0.0039	Pulse	0.1000	3
Pb	208	209	He	1.535	ppb	1.0	14980.61	0.0799	Pulse	0.1000	3
U	238	209	He	0.033	ppb	20.4	420.02	0.0022	Pulse	0.1000	3

ISTD Table:

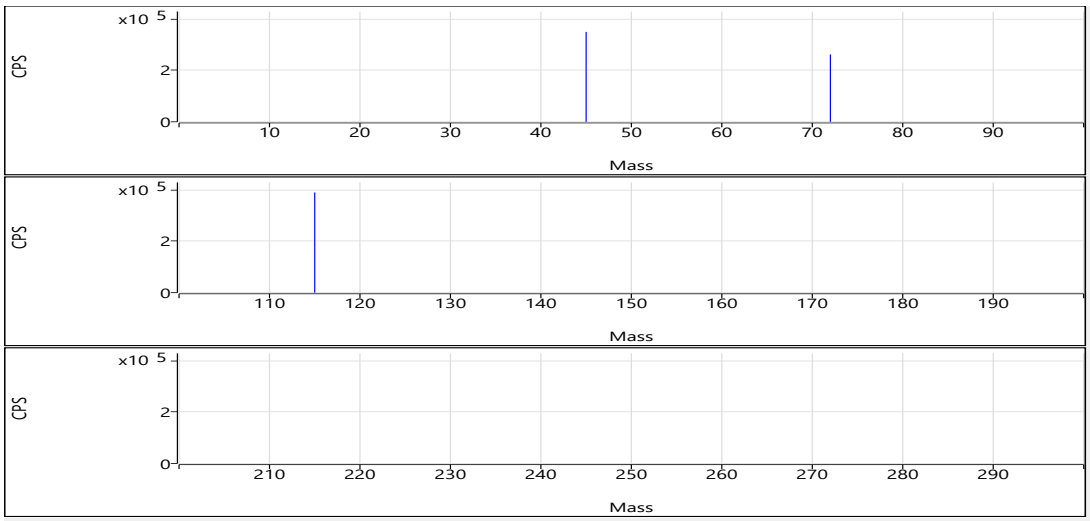
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	323631.14	0.7	139.7	Pulse	0.1000	3
No Gas	Ge	72	218273.52	0.3	132.4	Pulse	0.1000	3
H2	Sc	45	348926.75	0.5	102.2	Pulse	0.1000	3
H2	Ge	72	261348.85	0.5	106.4	Pulse	0.1000	3
H2	In	115	388966.24	0.8	99.7	Pulse	0.1000	3
He	Sc	45	20965.54	1.5	106.1	Pulse	0.1000	3
He	Ge	72	40471.29	1.4	108.0	Pulse	0.1000	3
He	In	115	40232.10	1.5	105.4	Pulse	0.1000	3
He	Tb	159	206096.51	1.1	105.3	Pulse	0.1000	3
He	Bi	209	187509.09	1.0	104.5	Pulse	0.1000	3

No Gas

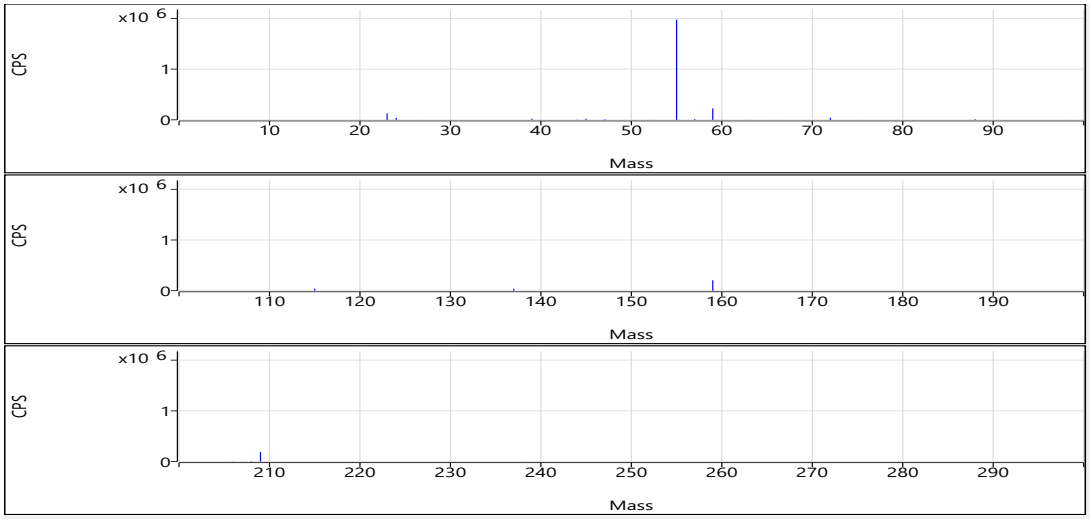


H2



Quantitation Report

He



Quantitation Report

Data File Name	131SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:18:04
Sample Name	180-191137-L-7-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

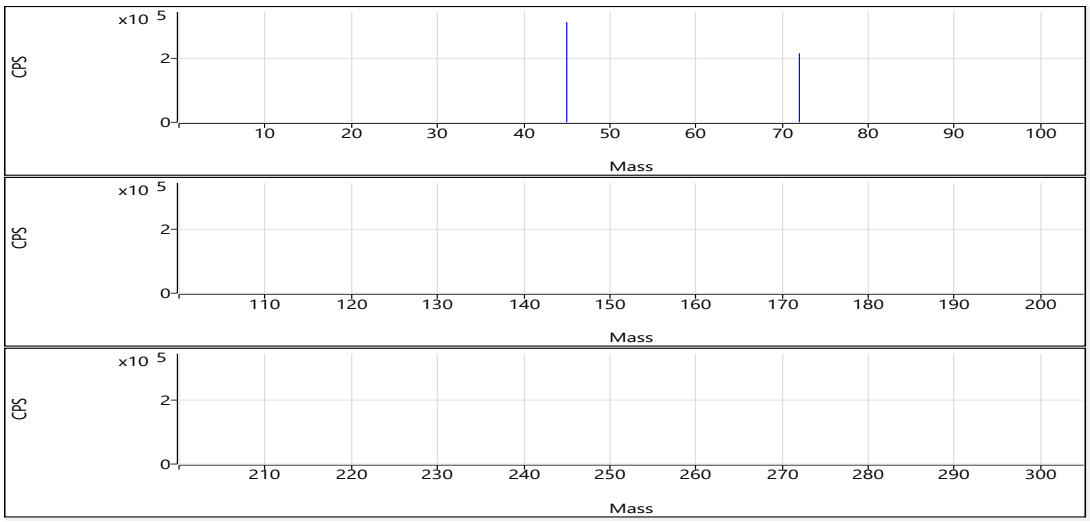
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.173	ppb	40.1	48.00	0.0002	Pulse	0.5000	3
Se	78	72	H2	0.078	ppb	32.7	14.00	0.0001	Pulse	1.5000	3
Na	23	72	He	3076.657	ppb	1.4	320431.36	8.1841	Pulse	0.1000	3
Mg	24	72	He	3706.312	ppb	1.8	195670.82	4.9978	Pulse	0.1000	3
Al	27	72	He	23.349	ppb	18.9	416.69	0.0107	Pulse	0.1000	3
K	39	72	He	1003.368	ppb	2.6	35760.87	0.9134	Pulse	0.1000	3
Ca	44	72	He	12279.782	ppb	2.5	21115.67	0.5393	Pulse	0.1000	3
Ti	47	45	He	-0.331	ppb	N/A	10.00	0.0005	Pulse	0.1000	3
V	51	72	He	-0.031	ppb	N/A	640.02	0.0164	Pulse	0.5000	3
Cr	52	72	He	0.055	ppb	131.6	1633.48	0.0417	Pulse	0.1000	3
Mn	55	72	He	57.006	ppb	0.4	19056.38	0.4867	Pulse	0.1000	3
Fe	57	72	He	7.525	ppb	69.9	220.01	0.0056	Pulse	0.1000	3
Co	59	72	He	0.390	ppb	16.3	680.04	0.0173	Pulse	0.1000	3
Ni	60	159	He	3.486	ppb	8.4	1810.18	0.0089	Pulse	0.1000	3
Cu	63	72	He	1.637	ppb	2.8	2100.23	0.0536	Pulse	0.1000	3
Zn	66	72	He	3.611	ppb	6.0	596.70	0.0152	Pulse	0.1000	3
As	75	115	He	0.205	ppb	60.5	50.67	0.0013	Pulse	0.5000	3
Sr	88	115	He	418.149	ppb	1.3	170232.99	4.2380	Pulse	0.1000	3
Mo	98	159	He	0.024	ppb	65.8	60.00	0.0003	Pulse	0.1000	3
Ag	107	115	He	0.053	ppb	15.8	143.34	0.0036	Pulse	0.1000	3
Cd	111	115	He	0.083	ppb	25.0	24.00	0.0006	Pulse	0.5000	3
Sn	120	159	He	0.013	ppb	2811.7	3083.79	0.0152	Pulse	0.1000	3
Sb	121	209	He	0.119	ppb	14.6	96.67	0.0005	Pulse	0.1000	3
Ba	137	159	He	48.230	ppb	2.4	11398.39	0.0560	Pulse	0.1000	3
Tl	205	209	He	0.034	ppb	25.6	326.69	0.0018	Pulse	0.1000	3
Pb	208	209	He	0.034	ppb	30.0	643.37	0.0034	Pulse	0.1000	3
U	238	209	He	0.012	ppb	19.1	180.01	0.0010	Pulse	0.1000	3

ISTD Table:

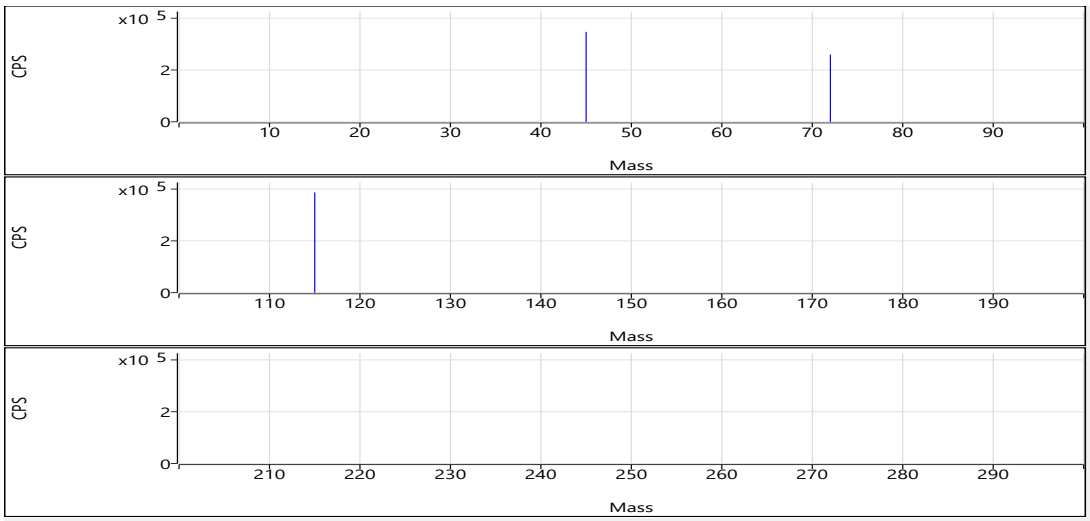
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	311746.06	0.9	134.6	Pulse	0.1000	3
No Gas	Ge	72	214542.68	0.9	130.1	Pulse	0.1000	3
H2	Sc	45	348940.93	1.1	102.2	Pulse	0.1000	3
H2	Ge	72	260552.31	0.6	106.1	Pulse	0.1000	3
H2	In	115	388821.58	1.0	99.7	Pulse	0.1000	3
He	Sc	45	20962.29	2.9	106.1	Pulse	0.1000	3
He	Ge	72	39157.35	1.3	104.5	Pulse	0.1000	3
He	In	115	40174.54	2.0	105.2	Pulse	0.1000	3
He	Tb	159	203562.98	1.5	104.0	Pulse	0.1000	3
He	Bi	209	186734.35	0.7	104.1	Pulse	0.1000	3

No Gas

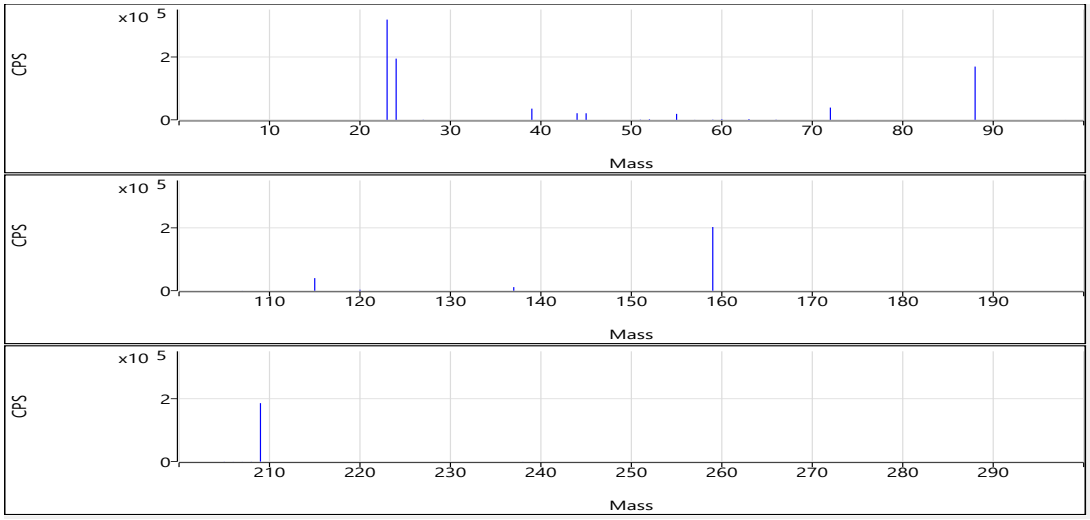


H2



Quantitation Report

He



Quantitation Report

Data File Name	132SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:20:15
Sample Name	180-191137-I-1-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

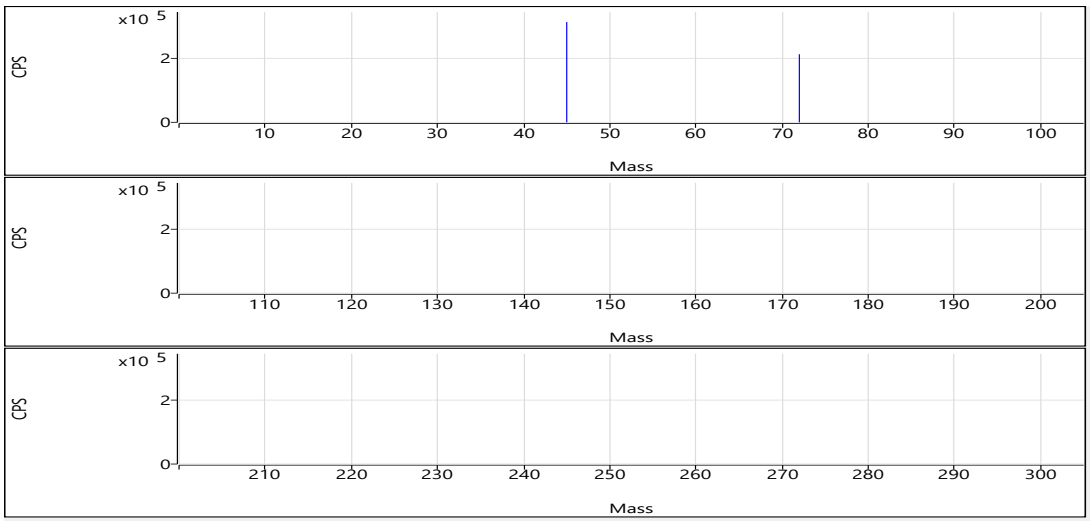
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.250	ppb	16.1	66.67	0.0002	Pulse	0.5000	3
Se	78	72	H2	0.338	ppb	11.4	41.78	0.0002	Pulse	1.5000	3
Na	23	72	He	2723.793	ppb	1.5	287461.73	7.2627	Pulse	0.1000	3
Mg	24	72	He	2578.698	ppb	1.0	137748.70	3.4801	Pulse	0.1000	3
Al	27	72	He	5.019	ppb	76.4	130.01	0.0033	Pulse	0.1000	3
K	39	72	He	1370.466	ppb	3.7	47102.73	1.1902	Pulse	0.1000	3
Ca	44	72	He	5484.497	ppb	3.0	9573.35	0.2419	Pulse	0.1000	3
Ti	47	45	He	-0.603	ppb	N/A	6.67	0.0003	Pulse	0.1000	3
V	51	72	He	-0.027	ppb	N/A	649.35	0.0164	Pulse	0.5000	3
Cr	52	72	He	-0.256	ppb	N/A	1416.79	0.0358	Pulse	0.1000	3
Mn	55	72	He	667.455	ppb	0.6	224691.51	5.6764	Pulse	0.1000	3
Fe	57	72	He	27.850	ppb	6.0	540.03	0.0136	Pulse	0.1000	3
Co	59	72	He	16.217	ppb	1.5	23820.23	0.6018	Pulse	0.1000	3
Ni	60	159	He	21.078	ppb	9.0	8756.24	0.0429	Pulse	0.1000	3
Cu	63	72	He	2.125	ppb	1.1	2690.35	0.0680	Pulse	0.1000	3
Zn	66	72	He	30.080	ppb	6.4	4250.79	0.1074	Pulse	0.1000	3
As	75	115	He	0.024	ppb	361.3	34.67	0.0009	Pulse	0.5000	3
Sr	88	115	He	44.255	ppb	3.7	17851.74	0.4496	Pulse	0.1000	3
Mo	98	159	He	0.021	ppb	25.8	56.67	0.0003	Pulse	0.1000	3
Ag	107	115	He	0.008	ppb	108.8	36.67	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.153	ppb	11.9	42.67	0.0011	Pulse	0.5000	3
Sn	120	159	He	0.001	ppb	46649.3	3087.12	0.0151	Pulse	0.1000	3
Sb	121	209	He	0.114	ppb	36.1	93.33	0.0005	Pulse	0.1000	3
Ba	137	159	He	25.264	ppb	4.3	6014.85	0.0294	Pulse	0.1000	3
Tl	205	209	He	0.089	ppb	18.8	723.39	0.0039	Pulse	0.1000	3
Pb	208	209	He	0.350	ppb	2.6	3640.34	0.0195	Pulse	0.1000	3
U	238	209	He	0.058	ppb	15.5	706.71	0.0038	Pulse	0.1000	3

ISTD Table:

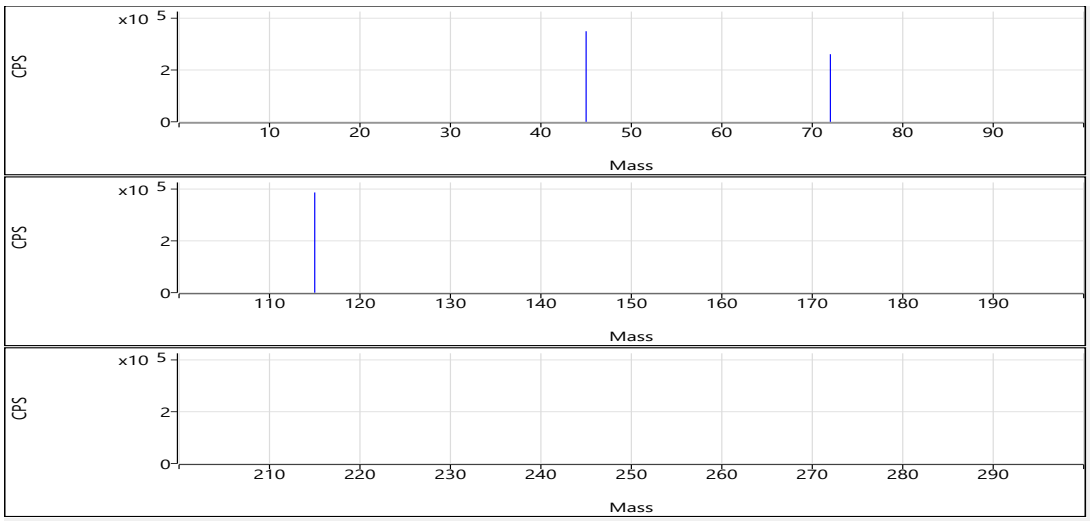
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	315063.98	1.7	136.0	Pulse	0.1000	3
No Gas	Ge	72	213867.66	2.0	129.7	Pulse	0.1000	3
H2	Sc	45	350279.33	0.9	102.6	Pulse	0.1000	3
H2	Ge	72	261512.17	0.3	106.5	Pulse	0.1000	3
H2	In	115	387634.24	0.8	99.4	Pulse	0.1000	3
He	Sc	45	20852.00	4.9	105.5	Pulse	0.1000	3
He	Ge	72	39585.23	1.3	105.7	Pulse	0.1000	3
He	In	115	39706.55	0.7	104.0	Pulse	0.1000	3
He	Tb	159	204351.01	1.0	104.4	Pulse	0.1000	3
He	Bi	209	186594.51	0.7	104.0	Pulse	0.1000	3

No Gas

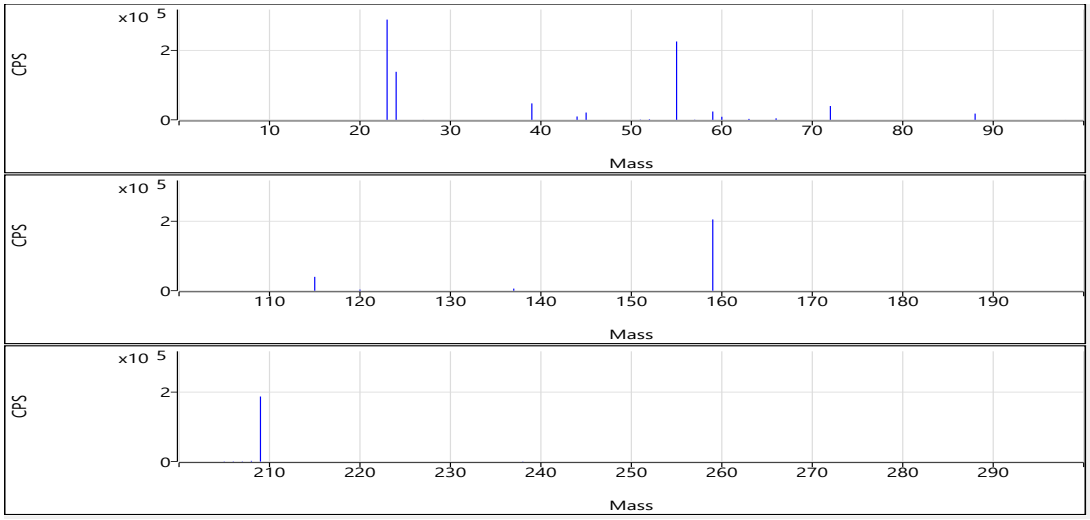


H2



Quantitation Report

He



Quantitation Report

Data File Name	134_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:24:35
Sample Name	CCV 7799630
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

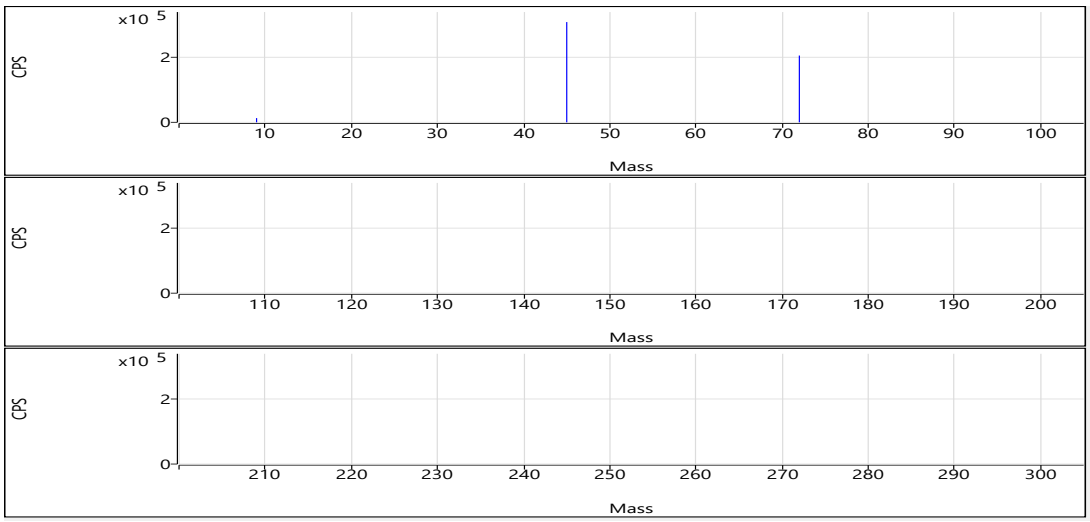
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	56.428	ppb	2.0	12944.29	0.0418	Pulse	0.5000	3
Se	78	72	H2	48.987	ppb	0.9	4964.19	0.0200	Pulse	1.5000	3
Na	23	72	He	5269.473	ppb	1.2	526388.92	13.9101	Pulse	0.1000	3
Mg	24	72	He	4953.453	ppb	0.6	252658.61	6.6764	Pulse	0.1000	3
Al	27	72	He	4978.063	ppb	1.0	75951.10	2.0069	Pulse	0.1000	3
K	39	72	He	5039.558	ppb	0.1	149723.70	3.9563	Pulse	0.1000	3
Ca	44	72	He	5482.323	ppb	3.6	9149.82	0.2418	Pulse	0.1000	3
Ti	47	45	He	4872.775	ppb	1.5	63759.30	3.0175	Pulse	0.1000	3
V	51	72	He	500.795	ppb	0.7	275591.49	7.2824	Pulse	0.5000	3
Cr	52	72	He	500.918	ppb	0.2	365441.01	9.6565	Pulse	0.1000	3
Mn	55	72	He	503.720	ppb	0.8	162136.08	4.2844	Pulse	0.1000	3
Fe	57	72	He	4859.573	ppb	0.6	72604.16	1.9185	Pulse	0.1000	3
Co	59	72	He	501.539	ppb	0.5	701019.75	18.5240	Pulse	0.1000	3
Ni	60	159	He	492.632	ppb	1.2	194533.97	0.9536	Pulse	0.1000	3
Cu	63	72	He	498.449	ppb	0.2	552929.59	14.6109	Pulse	0.1000	3
Zn	66	72	He	499.732	ppb	2.2	65963.97	1.7432	Pulse	0.1000	3
As	75	115	He	485.115	ppb	1.6	41393.84	1.0515	Pulse	0.5000	3
Sr	88	115	He	50.599	ppb	2.9	20228.29	0.5139	Pulse	0.1000	3
Mo	98	159	He	49.032	ppb	2.1	50561.11	0.2479	Pulse	0.1000	3
Ag	107	115	He	49.890	ppb	0.4	115269.70	2.9279	Pulse	0.1000	3
Cd	111	115	He	48.856	ppb	1.5	13076.80	0.3322	Pulse	0.5000	3
Sn	120	159	He	52.754	ppb	3.9	44893.07	0.2201	Pulse	0.1000	3
Sb	121	209	He	51.966	ppb	2.3	35405.85	0.1941	Pulse	0.1000	3
Ba	137	159	He	505.692	ppb	1.8	119360.24	0.5851	Pulse	0.1000	3
Tl	205	209	He	50.364	ppb	0.4	354294.29	1.9423	Pulse	0.1000	3
Pb	208	209	He	50.377	ppb	0.9	468548.38	2.5687	Pulse	0.1000	3
U	238	209	He	49.418	ppb	0.8	558888.43	3.0640	Pulse	0.1000	3

ISTD Table:

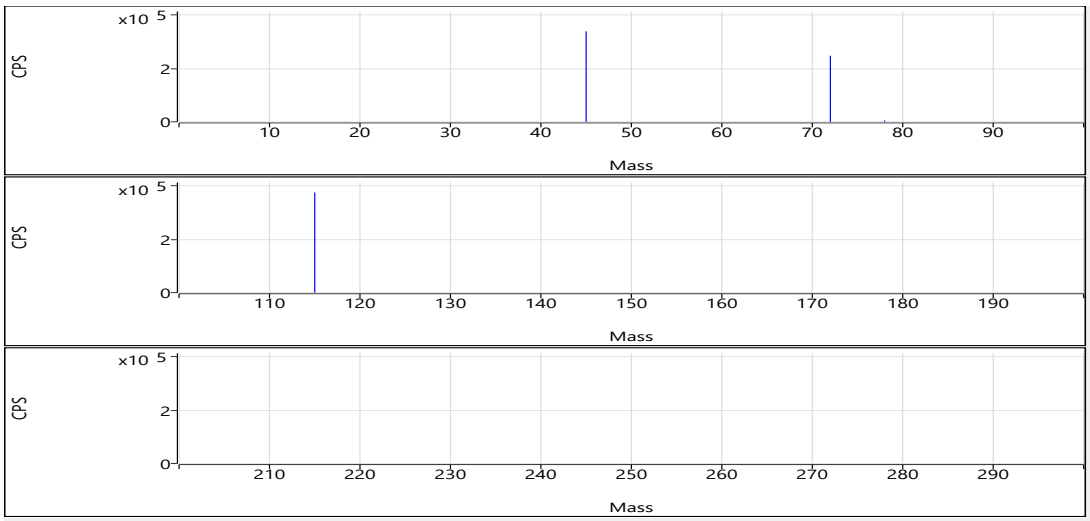
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	309514.48	1.2	133.6	Pulse	0.1000	3
No Gas	Ge	72	206173.56	0.8	125.0	Pulse	0.1000	3
H2	Sc	45	339277.59	1.1	99.4	Pulse	0.1000	3
H2	Ge	72	247669.04	0.5	100.9	Pulse	0.1000	3
H2	In	115	375537.12	0.4	96.3	Pulse	0.1000	3
He	Sc	45	21132.68	1.5	107.0	Pulse	0.1000	3
He	Ge	72	37844.02	0.6	101.0	Pulse	0.1000	3
He	In	115	39370.18	1.1	103.1	Pulse	0.1000	3
He	Tb	159	204009.21	1.0	104.3	Pulse	0.1000	3
He	Bi	209	182412.90	0.9	101.7	Pulse	0.1000	3

No Gas

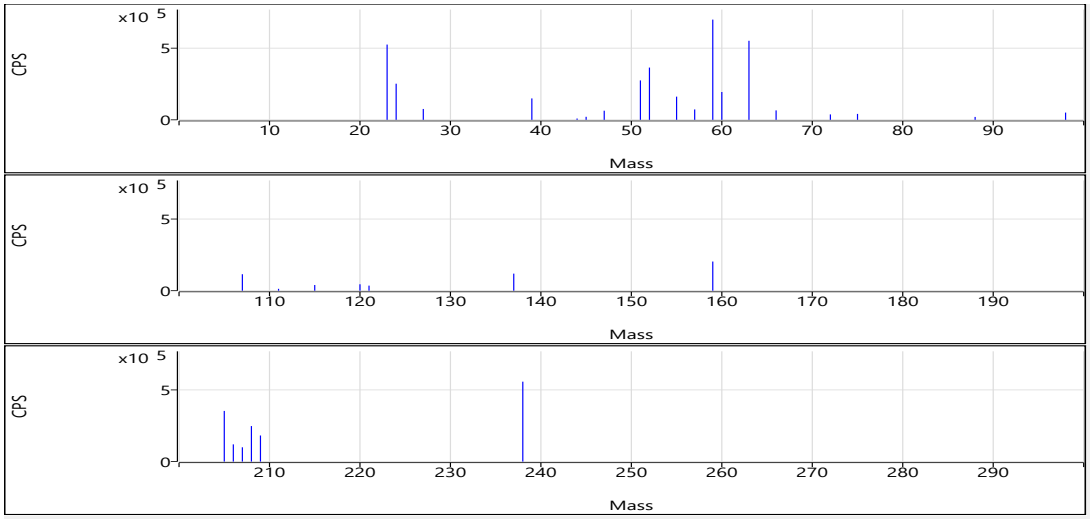


H2



Quantitation Report

He



Quantitation Report

Data File Name	136_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:28:56
Sample Name	CCB 7792565
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

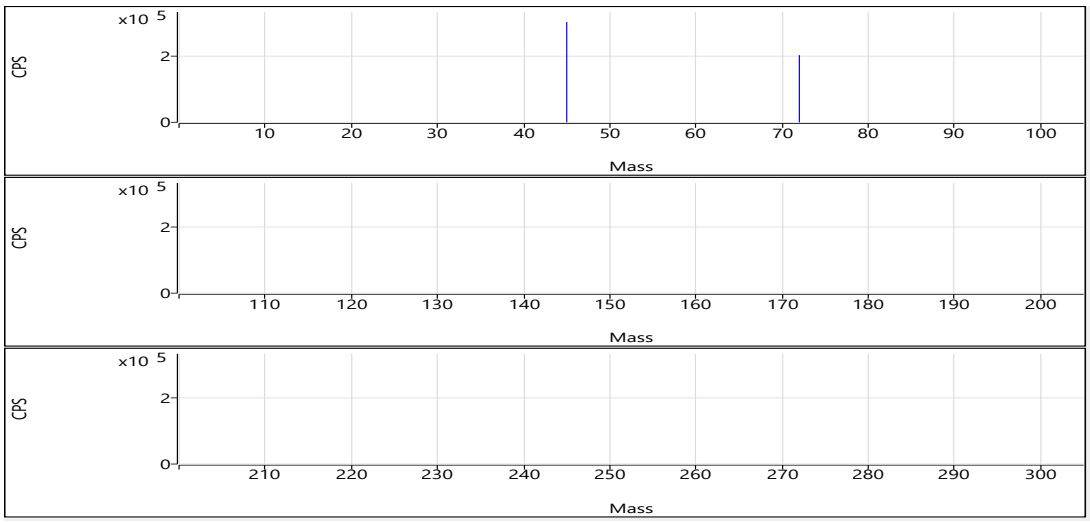
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.094	ppb	32.7	29.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.040	ppb	58.4	9.55	0.0000	Pulse	1.5000	3
Na	23	72	He	302.292	ppb	4.2	36174.62	0.9396	Pulse	0.1000	3
Mg	24	72	He	21.418	ppb	15.7	1470.12	0.0382	Pulse	0.1000	3
Al	27	72	He	0.557	ppb	244.5	56.67	0.0015	Pulse	0.1000	3
K	39	72	He	13.402	ppb	102.1	6434.96	0.1671	Pulse	0.1000	3
Ca	44	72	He	72.071	ppb	25.3	193.34	0.0050	Pulse	0.1000	3
Ti	47	45	He	0.243	ppb	690.9	16.67	0.0008	Pulse	0.1000	3
V	51	72	He	0.031	ppb	261.6	664.02	0.0172	Pulse	0.5000	3
Cr	52	72	He	-0.007	ppb	N/A	1560.15	0.0405	Pulse	0.1000	3
Mn	55	72	He	1.368	ppb	14.3	526.69	0.0137	Pulse	0.1000	3
Fe	57	72	He	2.681	ppb	63.5	143.34	0.0037	Pulse	0.1000	3
Co	59	72	He	0.150	ppb	18.2	326.68	0.0085	Pulse	0.1000	3
Ni	60	159	He	0.180	ppb	132.2	506.70	0.0025	Pulse	0.1000	3
Cu	63	72	He	0.122	ppb	57.5	356.68	0.0093	Pulse	0.1000	3
Zn	66	72	He	0.328	ppb	89.2	146.67	0.0038	Pulse	0.1000	3
As	75	115	He	0.175	ppb	21.8	47.33	0.0012	Pulse	0.5000	3
Sr	88	115	He	0.797	ppb	15.5	366.68	0.0093	Pulse	0.1000	3
Mo	98	159	He	0.038	ppb	14.7	73.33	0.0004	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	157.6	33.33	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.010	ppb	131.5	4.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.058	ppb	N/A	3003.78	0.0149	Pulse	0.1000	3
Sb	121	209	He	0.078	ppb	55.0	66.67	0.0004	Pulse	0.1000	3
Ba	137	159	He	0.080	ppb	124.0	63.33	0.0003	Pulse	0.1000	3
Tl	205	209	He	0.023	ppb	38.1	240.01	0.0013	Pulse	0.1000	3
Pb	208	209	He	0.010	ppb	23.3	396.68	0.0022	Pulse	0.1000	3
U	238	209	He	0.014	ppb	35.1	196.68	0.0011	Pulse	0.1000	3

ISTD Table:

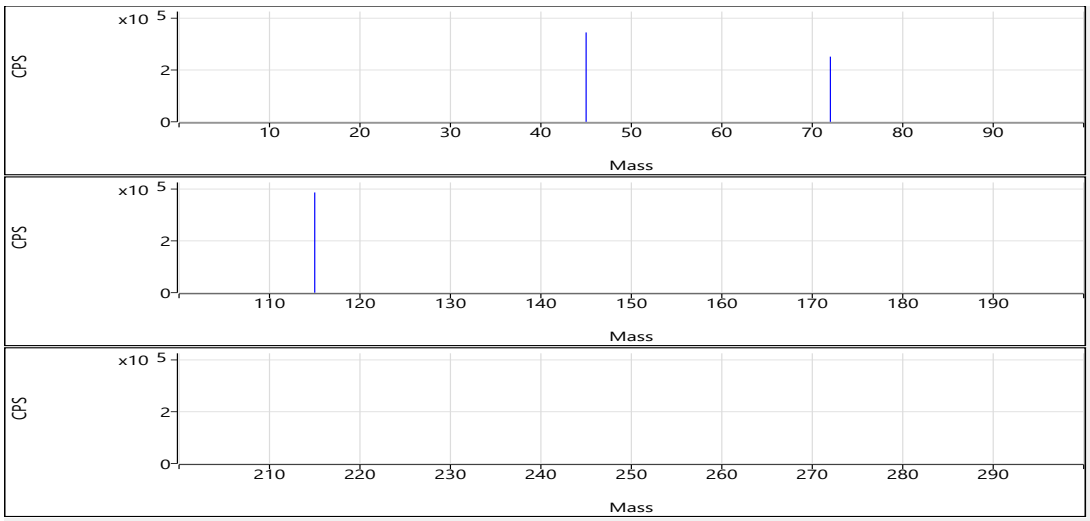
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	305512.01	0.3	131.9	Pulse	0.1000	3
No Gas	Ge	72	204774.72	0.8	124.2	Pulse	0.1000	3
H2	Sc	45	344265.75	0.7	100.8	Pulse	0.1000	3
H2	Ge	72	251066.73	0.9	102.3	Pulse	0.1000	3
H2	In	115	386092.59	0.3	99.0	Pulse	0.1000	3
He	Sc	45	20144.49	3.1	102.0	Pulse	0.1000	3
He	Ge	72	38505.70	0.8	102.8	Pulse	0.1000	3
He	In	115	39433.03	1.4	103.3	Pulse	0.1000	3
He	Tb	159	201817.12	0.1	103.1	Pulse	0.1000	3
He	Bi	209	182158.96	0.5	101.5	Pulse	0.1000	3

No Gas

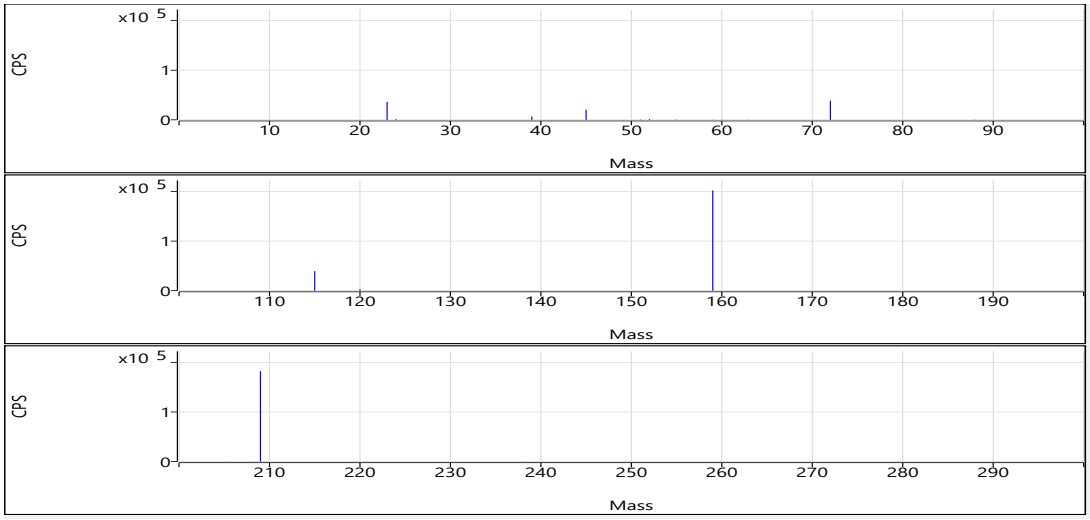


H2



Quantitation Report

He



Quantitation Report

Data File Name	137SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:31:06
Sample Name	410-224980-K-9-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

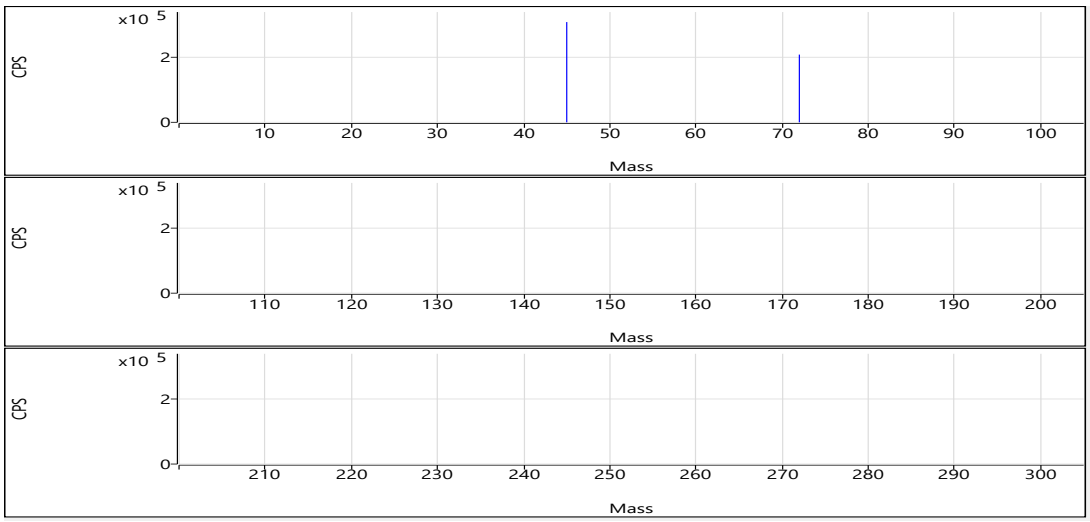
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.133	ppb	23.2	38.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	30.624	ppb	0.1	3185.69	0.0125	Pulse	1.5000	3
Na	23	72	He	739508.602	ppb	2.3	75704445.54	1 931.1751	Analog	0.1000	3
Mg	24	72	He	133437.632	ppb	2.5	7040703.64	179.6086	Analog	0.1000	3
Al	27	72	He	142.656	ppb	17.9	2297.01	0.0587	Pulse	0.1000	3
K	39	72	He	4530.339	ppb	2.6	140042.91	3.5724	Pulse	0.1000	3
Ca	44	72	He	191515.677	ppb	2.6	328646.83	8.3839	Pulse	0.1000	3
Ti	47	45	He	6.602	ppb	16.9	103.34	0.0048	Pulse	0.1000	3
V	51	72	He	3.839	ppb	1.4	2842.96	0.0725	Pulse	0.5000	3
Cr	52	72	He	0.304	ppb	66.8	1823.50	0.0465	Pulse	0.1000	3
Mn	55	72	He	219.379	ppb	2.2	73197.37	1.8671	Pulse	0.1000	3
Fe	57	72	He	150.926	ppb	12.9	2436.97	0.0622	Pulse	0.1000	3
Co	59	72	He	0.430	ppb	14.4	736.71	0.0188	Pulse	0.1000	3
Ni	60	159	He	10.172	ppb	3.3	4400.80	0.0218	Pulse	0.1000	3
Cu	63	72	He	2.454	ppb	5.9	3040.43	0.0776	Pulse	0.1000	3
Zn	66	72	He	5.354	ppb	12.2	836.72	0.0213	Pulse	0.1000	3
As	75	115	He	4.116	ppb	11.3	392.01	0.0097	Pulse	0.5000	3
Sr	88	115	He	1450.609	ppb	1.4	592103.87	14.6991	Pulse	0.1000	3
Mo	98	159	He	14.087	ppb	4.5	14394.53	0.0713	Pulse	0.1000	3
Ag	107	115	He	0.026	ppb	1.2	80.00	0.0020	Pulse	0.1000	3
Cd	111	115	He	0.151	ppb	19.2	42.67	0.0011	Pulse	0.5000	3
Sn	120	159	He	0.006	ppb	7689.7	3053.77	0.0151	Pulse	0.1000	3
Sb	121	209	He	0.659	ppb	10.0	436.69	0.0025	Pulse	0.1000	3
Ba	137	159	He	21.765	ppb	1.8	5124.47	0.0254	Pulse	0.1000	3
Tl	205	209	He	0.035	ppb	34.0	310.02	0.0018	Pulse	0.1000	3
Pb	208	209	He	0.119	ppb	24.4	1340.08	0.0078	Pulse	0.1000	3
U	238	209	He	37.154	ppb	2.0	396975.15	2.3037	Pulse	0.1000	3

ISTD Table:

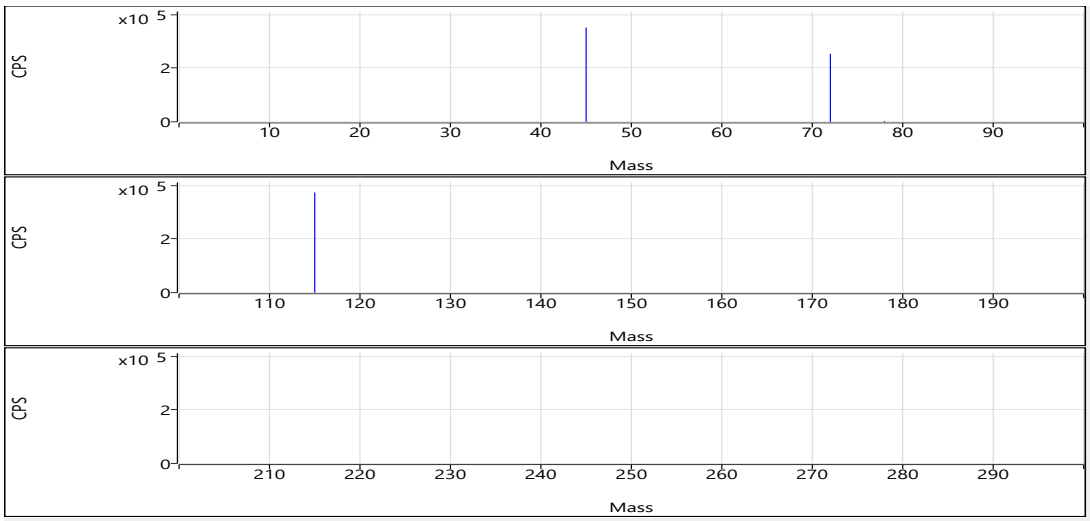
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	310733.57	1.6	134.2	Pulse	0.1000	3
No Gas	Ge	72	209886.04	2.0	127.3	Pulse	0.1000	3
H2	Sc	45	352171.88	0.6	103.1	Pulse	0.1000	3
H2	Ge	72	254084.68	1.0	103.5	Pulse	0.1000	3
H2	In	115	374599.72	1.0	96.0	Pulse	0.1000	3
He	Sc	45	21639.74	0.5	109.5	Pulse	0.1000	3
He	Ge	72	39214.07	2.2	104.7	Pulse	0.1000	3
He	In	115	40285.09	1.0	105.5	Pulse	0.1000	3
He	Tb	159	201787.24	0.1	103.1	Pulse	0.1000	3
He	Bi	209	172342.32	0.9	96.0	Pulse	0.1000	3

No Gas

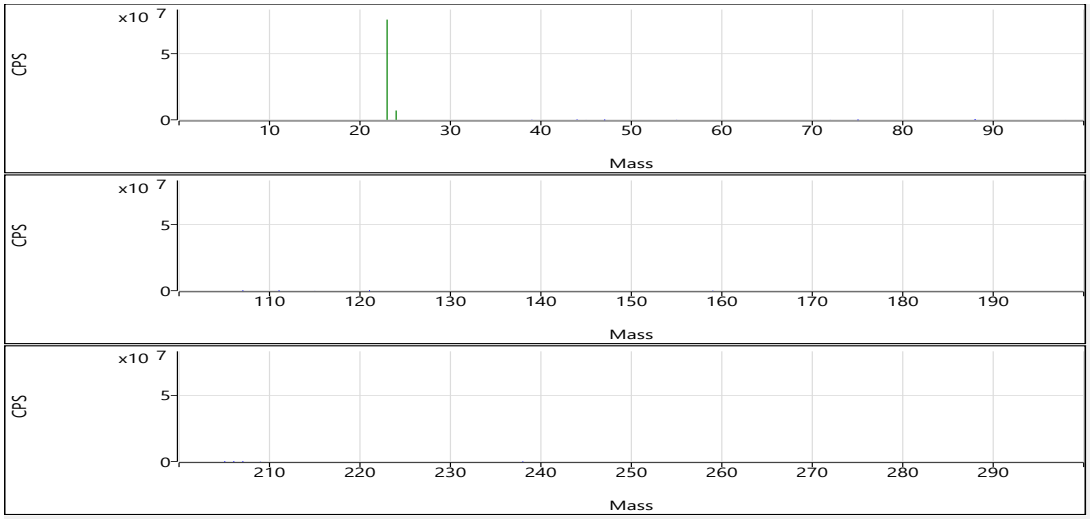


H2



Quantitation Report

He



Quantitation Report

Data File Name	138SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:33:18
Sample Name	410-224980-K-7-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

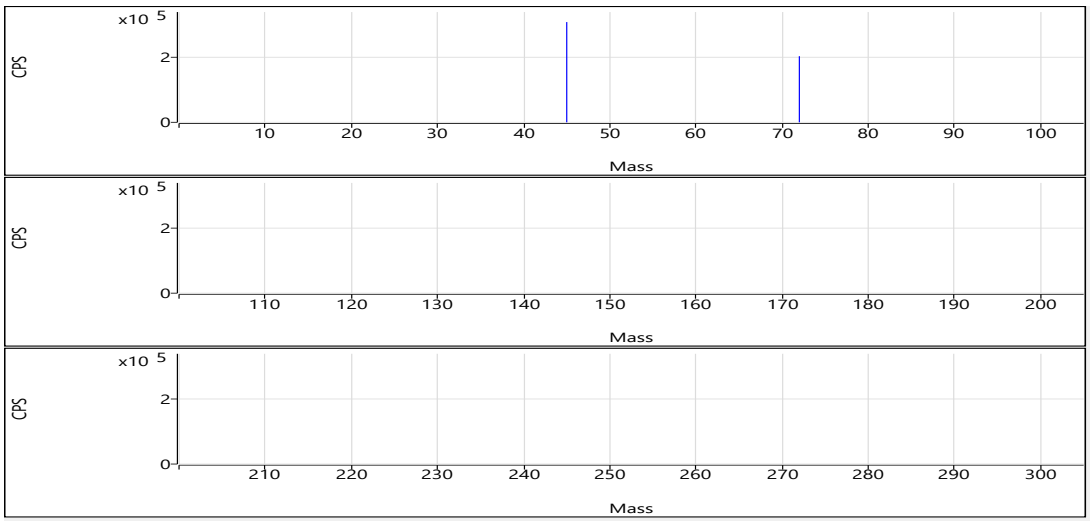
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.147	ppb	26.1	42.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	50.520	ppb	0.9	5118.47	0.0207	Pulse	1.5000	3
Na	23	72	He	1176955.952	ppb	2.8	117121581.59	3 073.4495	Analog	0.1000	3
Mg	24	72	He	290846.344	ppb	3.5	14916101.45	391.4716	Analog	0.1000	3
Al	27	72	He	536.656	ppb	4.6	8285.96	0.2175	Pulse	0.1000	3
K	39	72	He	10753.092	ppb	3.7	314866.12	8.2638	Pulse	0.1000	3
Ca	44	72	He	360508.971	ppb	4.0	601210.33	15.7801	Pulse	0.1000	3
Ti	47	45	He	14.343	ppb	30.6	206.68	0.0096	Pulse	0.1000	3
V	51	72	He	1.529	ppb	7.3	1485.42	0.0390	Pulse	0.5000	3
Cr	52	72	He	0.983	ppb	28.9	2270.26	0.0595	Pulse	0.1000	3
Mn	55	72	He	641.343	ppb	4.5	207789.54	5.4544	Pulse	0.1000	3
Fe	57	72	He	625.182	ppb	5.1	9490.09	0.2491	Pulse	0.1000	3
Co	59	72	He	1.389	ppb	10.2	2066.88	0.0542	Pulse	0.1000	3
Ni	60	159	He	43.896	ppb	4.2	17317.59	0.0869	Pulse	0.1000	3
Cu	63	72	He	1.621	ppb	8.0	2030.22	0.0532	Pulse	0.1000	3
Zn	66	72	He	4.230	ppb	3.0	663.37	0.0174	Pulse	0.1000	3
As	75	115	He	0.769	ppb	17.3	97.33	0.0025	Pulse	0.5000	3
Sr	88	115	He	2751.214	ppb	1.3	1090885.79	27.8772	Pulse	0.1000	3
Mo	98	159	He	6.822	ppb	2.3	6898.62	0.0346	Pulse	0.1000	3
Ag	107	115	He	0.041	ppb	29.7	110.00	0.0028	Pulse	0.1000	3
Cd	111	115	He	2.618	ppb	2.4	698.02	0.0178	Pulse	0.5000	3
Sn	120	159	He	-0.034	ppb	N/A	2983.78	0.0150	Pulse	0.1000	3
Sb	121	209	He	0.130	ppb	6.9	93.33	0.0006	Pulse	0.1000	3
Ba	137	159	He	14.904	ppb	8.7	3477.22	0.0175	Pulse	0.1000	3
Tl	205	209	He	0.140	ppb	1.6	976.74	0.0058	Pulse	0.1000	3
Pb	208	209	He	0.269	ppb	0.8	2570.21	0.0154	Pulse	0.1000	3
U	238	209	He	122.906	ppb	0.8	1273454.85	7.6201	Pulse	0.1000	3

ISTD Table:

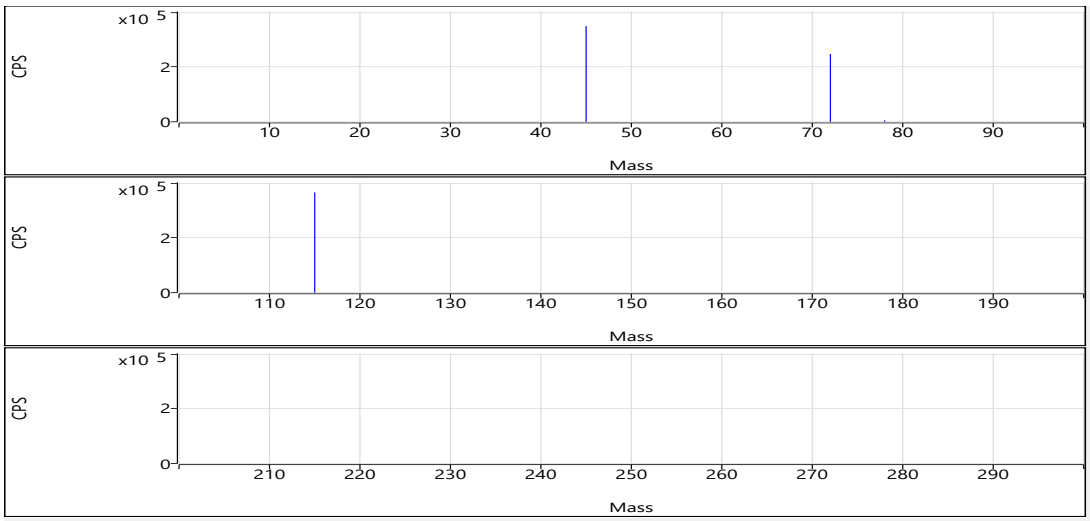
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	310298.88	1.4	134.0	Pulse	0.1000	3
No Gas	Ge	72	204680.56	1.4	124.1	Pulse	0.1000	3
H2	Sc	45	349346.42	0.7	102.3	Pulse	0.1000	3
H2	Ge	72	247653.50	1.5	100.9	Pulse	0.1000	3
H2	In	115	365938.64	0.4	93.8	Pulse	0.1000	3
He	Sc	45	21686.69	2.1	109.8	Pulse	0.1000	3
He	Ge	72	38128.10	2.9	101.8	Pulse	0.1000	3
He	In	115	39135.55	1.3	102.5	Pulse	0.1000	3
He	Tb	159	199196.35	0.3	101.8	Pulse	0.1000	3
He	Bi	209	167120.00	0.2	93.1	Pulse	0.1000	3

No Gas

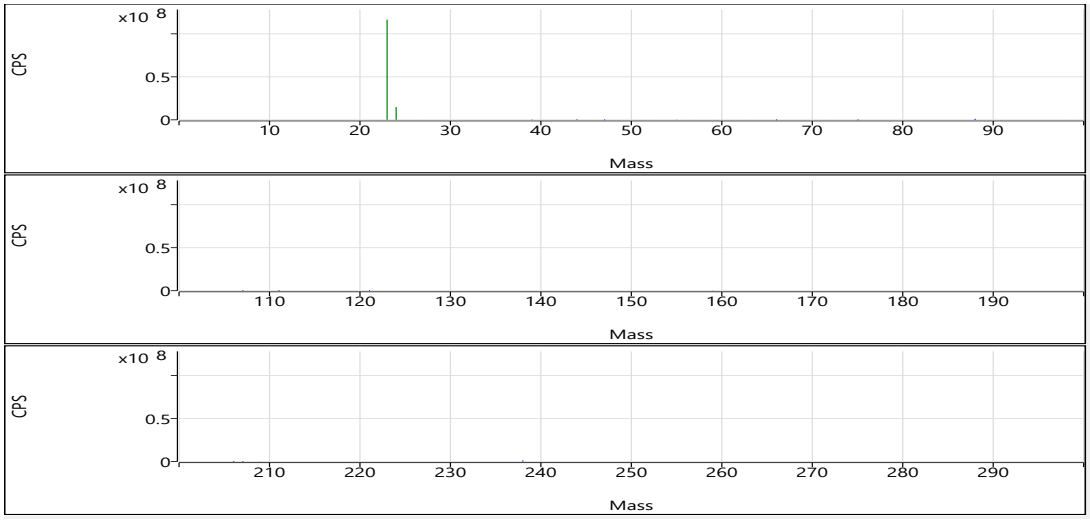


H2



Quantitation Report

He



Quantitation Report

Data File Name	139SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:35:33
Sample Name	410-224980-K-5-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

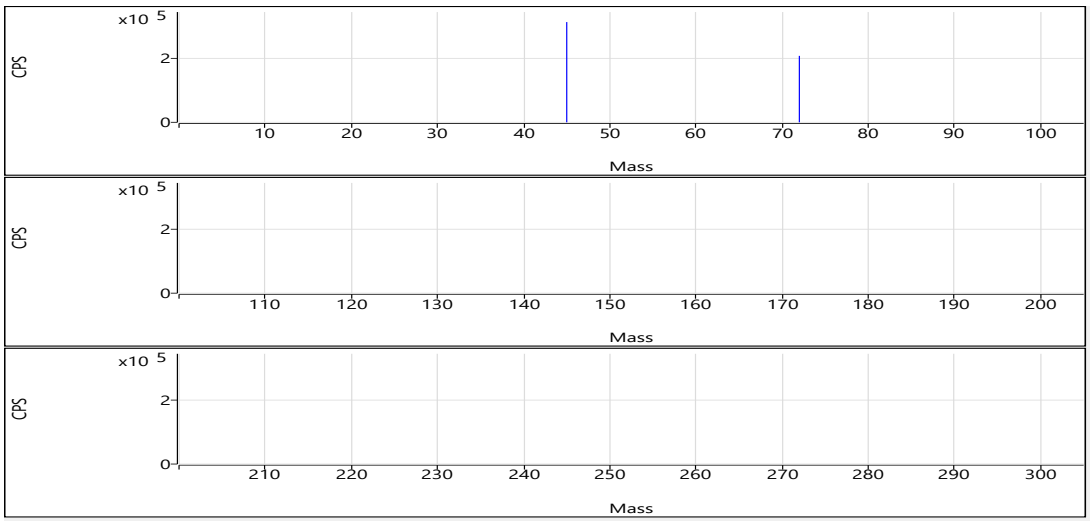
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.102	ppb	26.1	32.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.592	ppb	3.0	66.45	0.0003	Pulse	1.5000	3
Na	23	72	He	1141138.756	ppb	2.1	114308774.96	2 979.9227	Analog	0.1000	3
Mg	24	72	He	201415.014	ppb	1.8	10399719.63	271.1022	Analog	0.1000	3
Al	27	72	He	348.373	ppb	6.4	5431.20	0.1416	Pulse	0.1000	3
K	39	72	He	3160.365	ppb	2.4	97417.87	2.5396	Pulse	0.1000	3
Ca	44	72	He	322334.433	ppb	2.8	541188.99	14.1094	Pulse	0.1000	3
Ti	47	45	He	14.705	ppb	20.1	210.01	0.0098	Pulse	0.1000	3
V	51	72	He	2.600	ppb	2.8	2091.50	0.0545	Pulse	0.5000	3
Cr	52	72	He	0.792	ppb	3.5	2143.57	0.0559	Pulse	0.1000	3
Mn	55	72	He	756.712	ppb	2.8	246836.40	6.4352	Pulse	0.1000	3
Fe	57	72	He	353.916	ppb	2.9	5454.52	0.1422	Pulse	0.1000	3
Co	59	72	He	1.305	ppb	6.3	1960.20	0.0511	Pulse	0.1000	3
Ni	60	159	He	26.621	ppb	2.7	10764.34	0.0536	Pulse	0.1000	3
Cu	63	72	He	1.526	ppb	15.4	1933.54	0.0504	Pulse	0.1000	3
Zn	66	72	He	3.307	ppb	35.6	543.36	0.0142	Pulse	0.1000	3
As	75	115	He	2.961	ppb	15.7	282.67	0.0072	Pulse	0.5000	3
Sr	88	115	He	1962.970	ppb	1.4	777472.46	19.8905	Pulse	0.1000	3
Mo	98	159	He	50.713	ppb	1.1	51493.94	0.2564	Pulse	0.1000	3
Ag	107	115	He	0.010	ppb	115.1	40.00	0.0010	Pulse	0.1000	3
Cd	111	115	He	1.029	ppb	8.5	274.67	0.0070	Pulse	0.5000	3
Sn	120	159	He	0.138	ppb	67.8	3143.80	0.0156	Pulse	0.1000	3
Sb	121	209	He	0.286	ppb	40.9	190.01	0.0011	Pulse	0.1000	3
Ba	137	159	He	27.733	ppb	2.2	6488.43	0.0323	Pulse	0.1000	3
Tl	205	209	He	0.033	ppb	14.4	283.35	0.0017	Pulse	0.1000	3
Pb	208	209	He	0.200	ppb	8.5	1976.81	0.0119	Pulse	0.1000	3
U	238	209	He	18.451	ppb	1.4	190654.84	1.1441	Pulse	0.1000	3

ISTD Table:

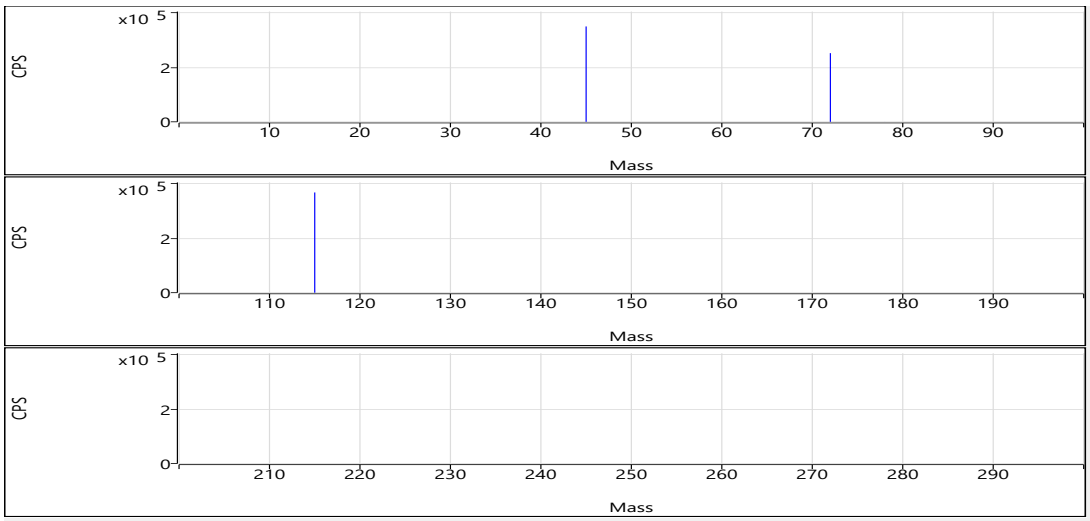
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	313615.52	2.1	135.4	Pulse	0.1000	3
No Gas	Ge	72	207919.03	1.8	126.1	Pulse	0.1000	3
H2	Sc	45	349952.51	0.7	102.5	Pulse	0.1000	3
H2	Ge	72	251983.01	0.3	102.6	Pulse	0.1000	3
H2	In	115	367811.93	0.0	94.3	Pulse	0.1000	3
He	Sc	45	21442.95	1.1	108.5	Pulse	0.1000	3
He	Ge	72	38368.50	1.7	102.4	Pulse	0.1000	3
He	In	115	39090.91	0.9	102.4	Pulse	0.1000	3
He	Tb	159	200877.06	1.0	102.7	Pulse	0.1000	3
He	Bi	209	166640.66	0.3	92.9	Pulse	0.1000	3

No Gas

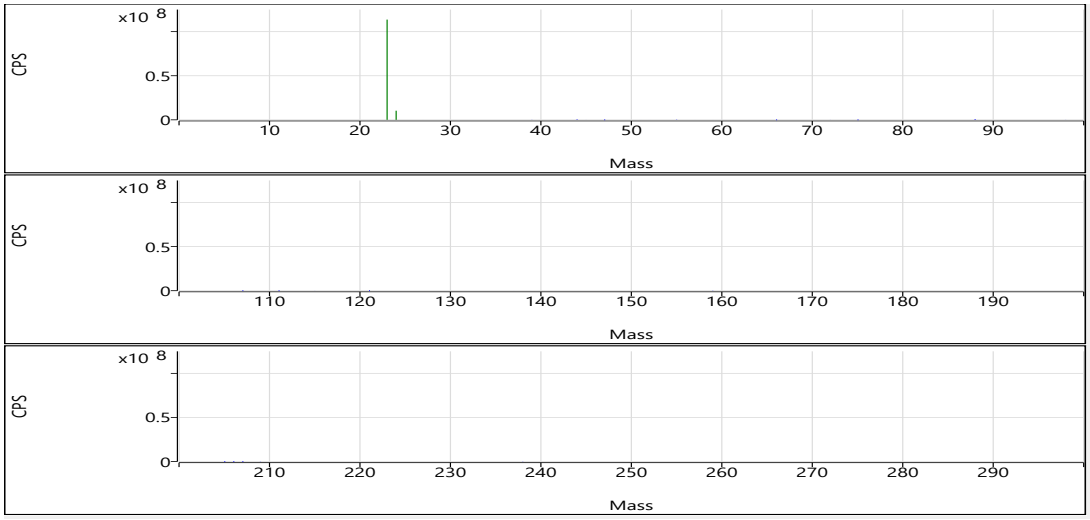


H2



Quantitation Report

He



Quantitation Report

Data File Name	140SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:37:48
Sample Name	410-224980-K-8-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

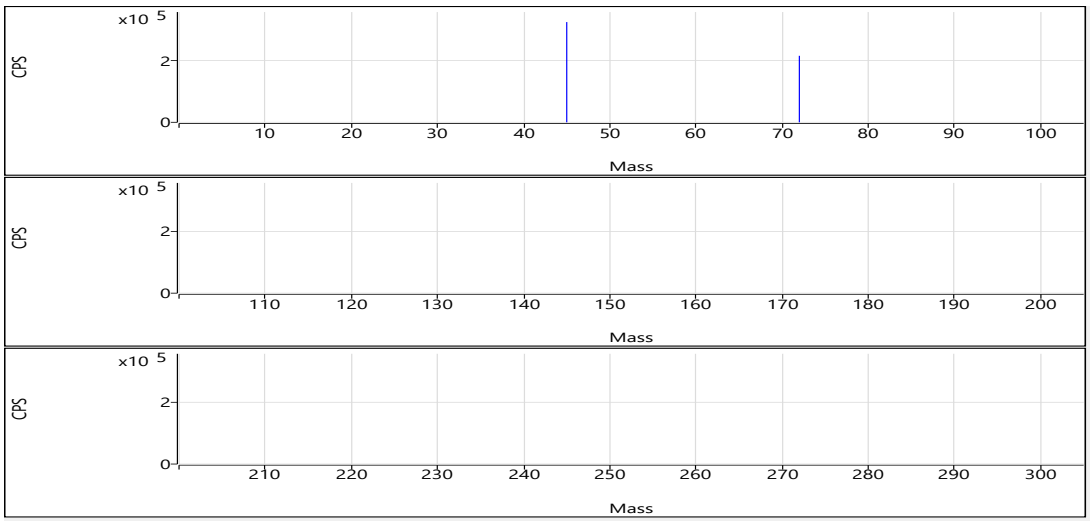
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.091	ppb	39.3	30.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	30.605	ppb	0.4	3202.58	0.0125	Pulse	1.5000	3
Na	23	72	He	730808.858	ppb	0.4	74302632.23	1 908.4581	Analog	0.1000	3
Mg	24	72	He	135291.622	ppb	1.5	7089726.14	182.1040	Analog	0.1000	3
Al	27	72	He	144.409	ppb	8.1	2313.60	0.0594	Pulse	0.1000	3
K	39	72	He	4418.070	ppb	1.6	135788.21	3.4878	Pulse	0.1000	3
Ca	44	72	He	195959.844	ppb	0.5	333982.89	8.5784	Pulse	0.1000	3
Ti	47	45	He	2.639	ppb	76.8	50.00	0.0023	Pulse	0.1000	3
V	51	72	He	4.318	ppb	5.1	3093.01	0.0794	Pulse	0.5000	3
Cr	52	72	He	0.553	ppb	7.1	1996.87	0.0513	Pulse	0.1000	3
Mn	55	72	He	211.085	ppb	1.1	69948.65	1.7966	Pulse	0.1000	3
Fe	57	72	He	139.220	ppb	12.3	2240.25	0.0576	Pulse	0.1000	3
Co	59	72	He	0.368	ppb	4.9	643.37	0.0165	Pulse	0.1000	3
Ni	60	159	He	9.722	ppb	13.1	4184.08	0.0209	Pulse	0.1000	3
Cu	63	72	He	2.489	ppb	4.0	3060.42	0.0786	Pulse	0.1000	3
Zn	66	72	He	7.643	ppb	11.0	1140.09	0.0293	Pulse	0.1000	3
As	75	115	He	3.522	ppb	9.8	336.68	0.0084	Pulse	0.5000	3
Sr	88	115	He	1469.635	ppb	2.3	593678.33	14.8919	Pulse	0.1000	3
Mo	98	159	He	13.621	ppb	1.0	13787.13	0.0690	Pulse	0.1000	3
Ag	107	115	He	0.008	ppb	156.9	36.67	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.140	ppb	9.9	39.33	0.0010	Pulse	0.5000	3
Sn	120	159	He	0.112	ppb	162.8	3107.13	0.0155	Pulse	0.1000	3
Sb	121	209	He	0.596	ppb	22.5	393.35	0.0023	Pulse	0.1000	3
Ba	137	159	He	22.091	ppb	1.0	5151.15	0.0258	Pulse	0.1000	3
Tl	205	209	He	0.021	ppb	4.1	216.68	0.0013	Pulse	0.1000	3
Pb	208	209	He	0.113	ppb	19.7	1273.41	0.0074	Pulse	0.1000	3
U	238	209	He	36.892	ppb	0.3	391421.22	2.2874	Pulse	0.1000	3

ISTD Table:

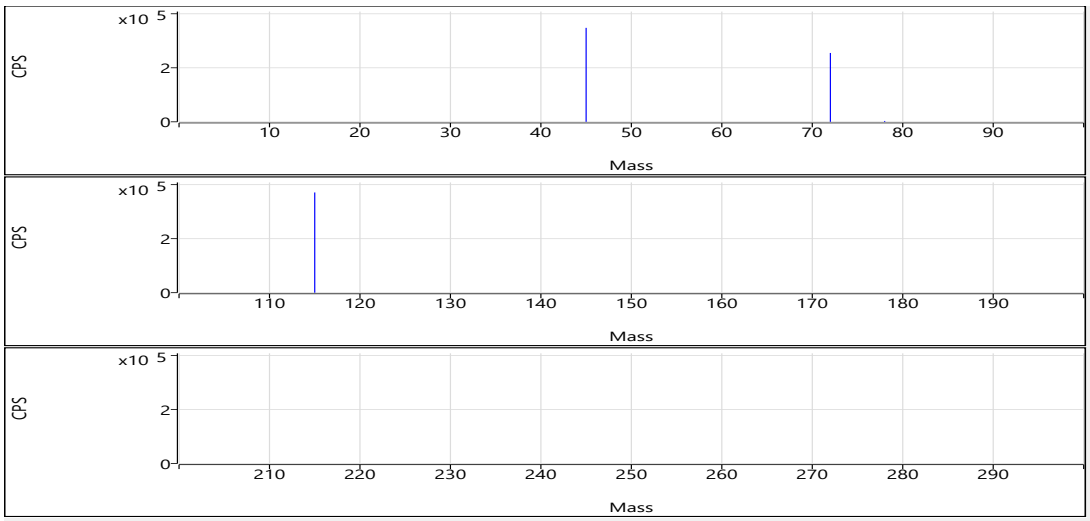
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	322467.06	2.1	139.2	Pulse	0.1000	3
No Gas	Ge	72	213959.93	0.9	129.8	Pulse	0.1000	3
H2	Sc	45	348824.98	1.0	102.2	Pulse	0.1000	3
H2	Ge	72	255585.94	1.0	104.1	Pulse	0.1000	3
H2	In	115	372056.43	0.9	95.4	Pulse	0.1000	3
He	Sc	45	21629.87	1.1	109.5	Pulse	0.1000	3
He	Ge	72	38933.39	0.3	103.9	Pulse	0.1000	3
He	In	115	39883.28	2.8	104.5	Pulse	0.1000	3
He	Tb	159	199876.65	0.4	102.1	Pulse	0.1000	3
He	Bi	209	171120.75	0.2	95.4	Pulse	0.1000	3

No Gas

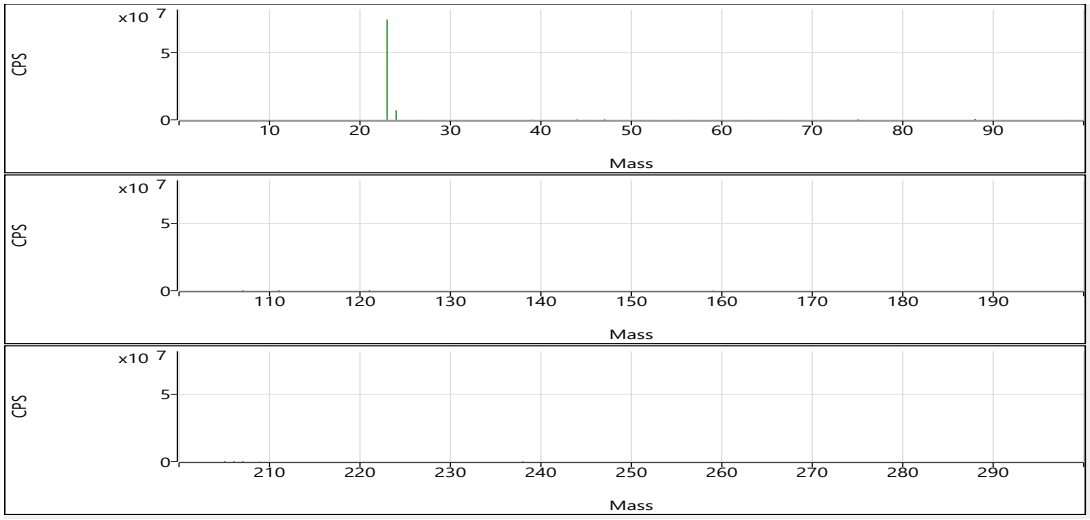


H2



Quantitation Report

He



Quantitation Report

Data File Name	141SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:39:58
Sample Name	410-224980-K-1-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

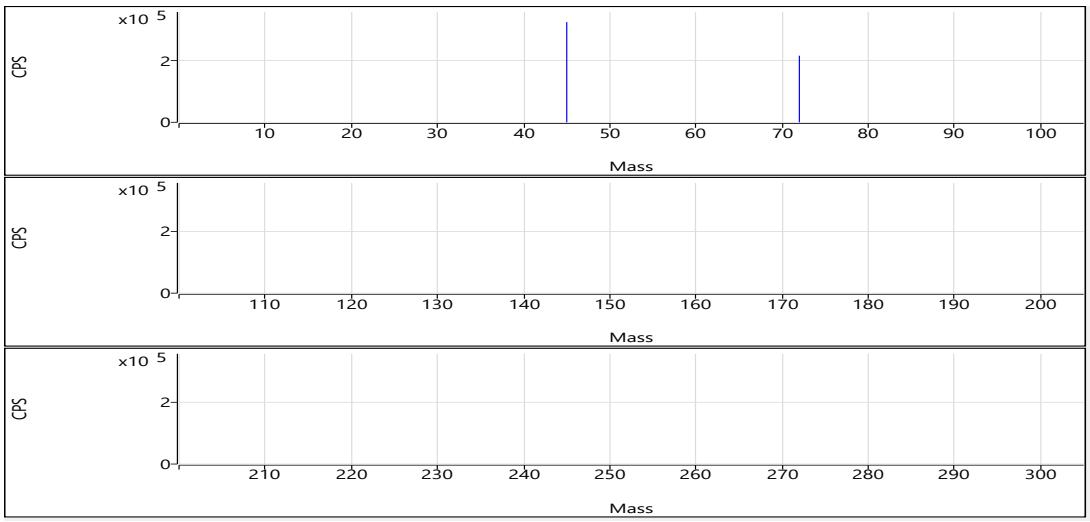
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.126	ppb	16.0	38.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	4.915	ppb	3.7	519.56	0.0020	Pulse	1.5000	3
Na	23	72	He	867684.331	ppb	0.6	86435992.05	2 265.8711	Analog	0.1000	3
Mg	24	72	He	123879.819	ppb	0.9	6360854.70	166.7444	Analog	0.1000	3
Al	27	72	He	121.033	ppb	16.3	1906.86	0.0500	Pulse	0.1000	3
K	39	72	He	3870.859	ppb	2.4	117303.89	3.0753	Pulse	0.1000	3
Ca	44	72	He	233393.331	ppb	1.2	389732.86	10.2167	Pulse	0.1000	3
Ti	47	45	He	4.224	ppb	35.0	70.00	0.0033	Pulse	0.1000	3
V	51	72	He	3.123	ppb	3.7	2369.54	0.0621	Pulse	0.5000	3
Cr	52	72	He	0.562	ppb	32.0	1963.53	0.0515	Pulse	0.1000	3
Mn	55	72	He	266.976	ppb	1.2	86657.43	2.2717	Pulse	0.1000	3
Fe	57	72	He	142.405	ppb	2.1	2243.59	0.0588	Pulse	0.1000	3
Co	59	72	He	0.389	ppb	21.3	660.04	0.0173	Pulse	0.1000	3
Ni	60	159	He	13.758	ppb	2.7	5788.04	0.0287	Pulse	0.1000	3
Cu	63	72	He	4.176	ppb	5.3	4884.32	0.1280	Pulse	0.1000	3
Zn	66	72	He	7.366	ppb	8.0	1080.08	0.0283	Pulse	0.1000	3
As	75	115	He	2.462	ppb	14.9	240.67	0.0062	Pulse	0.5000	3
Sr	88	115	He	1441.956	ppb	1.3	571558.36	14.6115	Pulse	0.1000	3
Mo	98	159	He	18.939	ppb	2.7	19303.75	0.0958	Pulse	0.1000	3
Ag	107	115	He	0.020	ppb	52.9	63.33	0.0016	Pulse	0.1000	3
Cd	111	115	He	0.702	ppb	14.6	188.00	0.0048	Pulse	0.5000	3
Sn	120	159	He	0.026	ppb	653.4	3063.79	0.0152	Pulse	0.1000	3
Sb	121	209	He	0.375	ppb	24.0	253.34	0.0015	Pulse	0.1000	3
Ba	137	159	He	27.521	ppb	2.7	6455.05	0.0321	Pulse	0.1000	3
Tl	205	209	He	0.029	ppb	29.5	266.68	0.0016	Pulse	0.1000	3
Pb	208	209	He	0.121	ppb	10.5	1346.75	0.0078	Pulse	0.1000	3
U	238	209	He	29.930	ppb	0.6	318748.27	1.8558	Pulse	0.1000	3

ISTD Table:

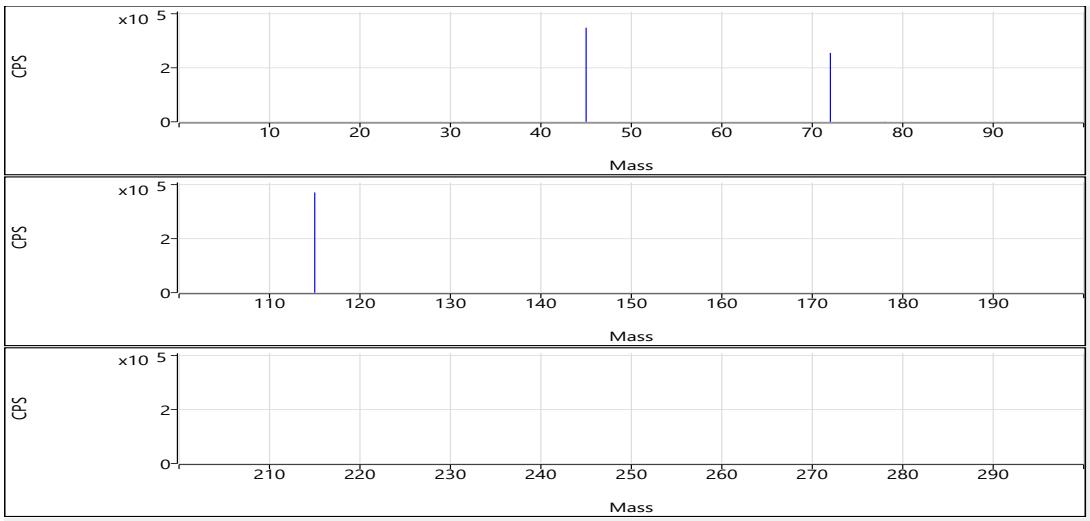
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	324308.64	0.5	140.0	Pulse	0.1000	3
No Gas	Ge	72	215528.01	0.5	130.7	Pulse	0.1000	3
H2	Sc	45	349189.54	0.7	102.3	Pulse	0.1000	3
H2	Ge	72	255856.15	0.4	104.2	Pulse	0.1000	3
H2	In	115	372090.94	0.6	95.4	Pulse	0.1000	3
He	Sc	45	21349.50	3.8	108.1	Pulse	0.1000	3
He	Ge	72	38147.91	0.7	101.8	Pulse	0.1000	3
He	In	115	39121.73	1.4	102.5	Pulse	0.1000	3
He	Tb	159	201411.06	0.7	102.9	Pulse	0.1000	3
He	Bi	209	171762.25	0.4	95.7	Pulse	0.1000	3

No Gas

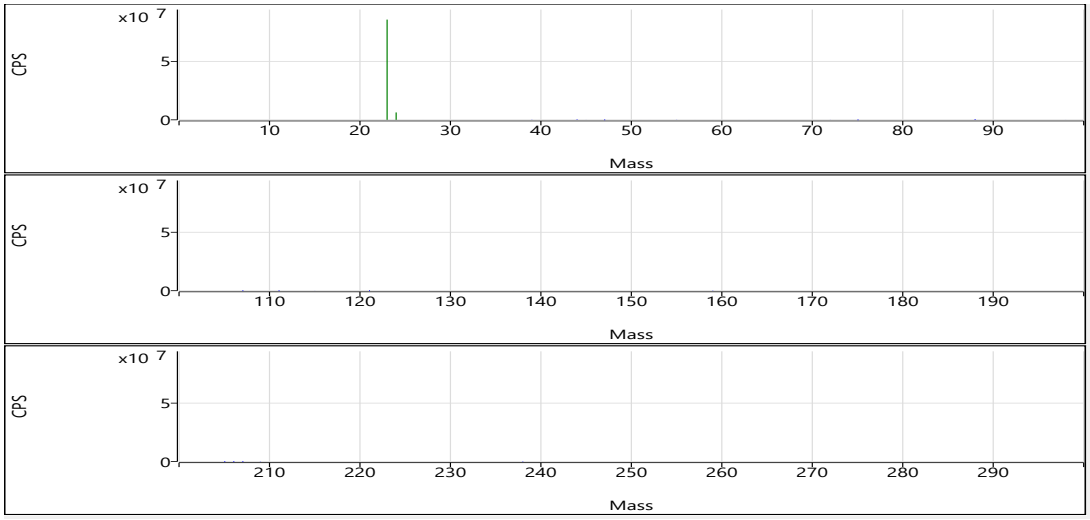


H2



Quantitation Report

He



Quantitation Report

Data File Name	142SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:42:08
Sample Name	410-224980-K-2-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

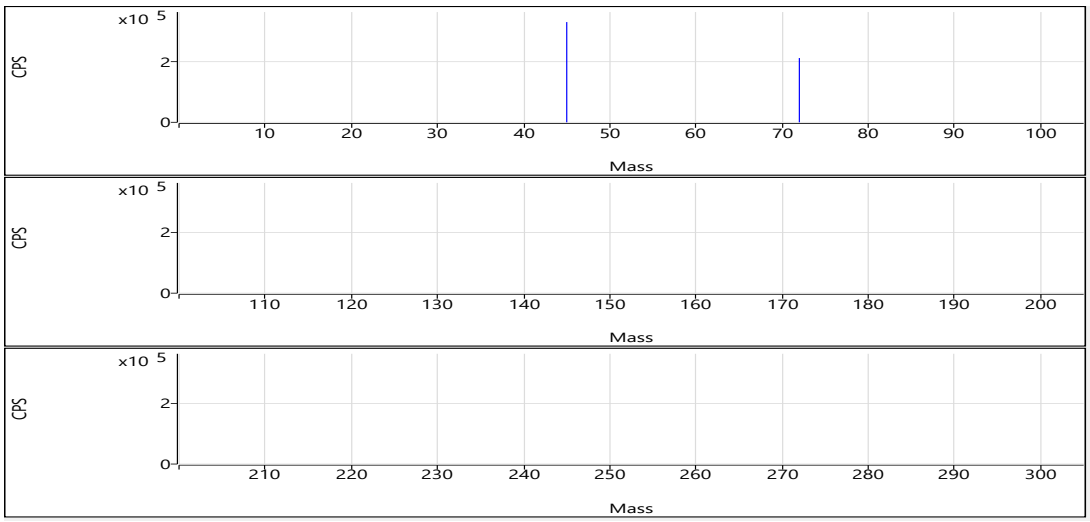
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.157	ppb	15.3	46.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.494	ppb	7.6	54.44	0.0002	Pulse	1.5000	3
Na	23	72	He	2632818.947	ppb	0.4	257576902.83	6 875.0384	Analog	0.1000	3
Mg	24	72	He	540600.278	ppb	0.8	27260332.93	727.6259	Analog	0.1000	3
Al	27	72	He	1059.801	ppb	2.8	16042.42	0.4282	Pulse	0.1000	3
K	39	72	He	15314.623	ppb	1.5	438447.61	11.7028	Pulse	0.1000	3
Ca	44	72	He	660763.542	ppb	1.6	1083522.95	28.9213	Pulse	0.1000	3
Ti	47	45	He	27.896	ppb	18.0	390.02	0.0180	Pulse	0.1000	3
V	51	72	He	2.940	ppb	3.8	2227.52	0.0595	Pulse	0.5000	3
Cr	52	72	He	2.908	ppb	13.2	3613.89	0.0965	Pulse	0.1000	3
Mn	55	72	He	2584.174	ppb	1.2	823141.26	21.9714	Pulse	0.1000	3
Fe	57	72	He	11786.066	ppb	1.8	174170.59	4.6491	Pulse	0.1000	3
Co	59	72	He	5.743	ppb	3.8	8055.81	0.2150	Pulse	0.1000	3
Ni	60	159	He	37.771	ppb	2.7	14564.45	0.0751	Pulse	0.1000	3
Cu	63	72	He	2.332	ppb	5.7	2773.68	0.0740	Pulse	0.1000	3
Zn	66	72	He	77.725	ppb	2.9	10240.61	0.2734	Pulse	0.1000	3
As	75	115	He	17.554	ppb	4.7	1472.76	0.0388	Pulse	0.5000	3
Sr	88	115	He	4727.124	ppb	0.7	1815498.20	47.8975	Pulse	0.1000	3
Mo	98	159	He	7.192	ppb	5.0	7078.70	0.0365	Pulse	0.1000	3
Ag	107	115	He	0.021	ppb	25.7	63.33	0.0017	Pulse	0.1000	3
Cd	111	115	He	11.277	ppb	4.2	2906.99	0.0767	Pulse	0.5000	3
Sn	120	159	He	-0.035	ppb	N/A	2903.74	0.0150	Pulse	0.1000	3
Sb	121	209	He	0.493	ppb	17.3	310.01	0.0019	Pulse	0.1000	3
Ba	137	159	He	18.273	ppb	3.3	4140.80	0.0214	Pulse	0.1000	3
Tl	205	209	He	0.198	ppb	7.5	1306.78	0.0081	Pulse	0.1000	3
Pb	208	209	He	0.852	ppb	0.8	7291.05	0.0451	Pulse	0.1000	3
U	238	209	He	15.079	ppb	0.7	151169.16	0.9351	Pulse	0.1000	3

ISTD Table:

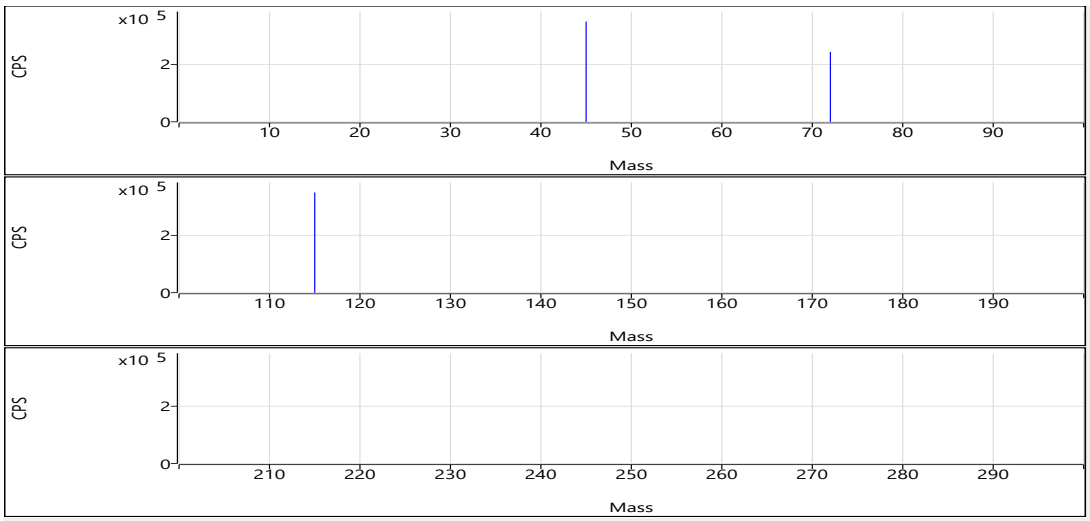
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	328255.89	0.6	141.7	Pulse	0.1000	3
No Gas	Ge	72	210463.28	1.1	127.6	Pulse	0.1000	3
H2	Sc	45	348485.19	0.6	102.1	Pulse	0.1000	3
H2	Ge	72	243263.98	0.4	99.1	Pulse	0.1000	3
H2	In	115	348309.67	0.9	89.3	Pulse	0.1000	3
He	Sc	45	21769.99	4.1	110.2	Pulse	0.1000	3
He	Ge	72	37465.98	0.8	100.0	Pulse	0.1000	3
He	In	115	37906.20	1.4	99.3	Pulse	0.1000	3
He	Tb	159	193913.83	0.5	99.1	Pulse	0.1000	3
He	Bi	209	161673.59	1.0	90.1	Pulse	0.1000	3

No Gas

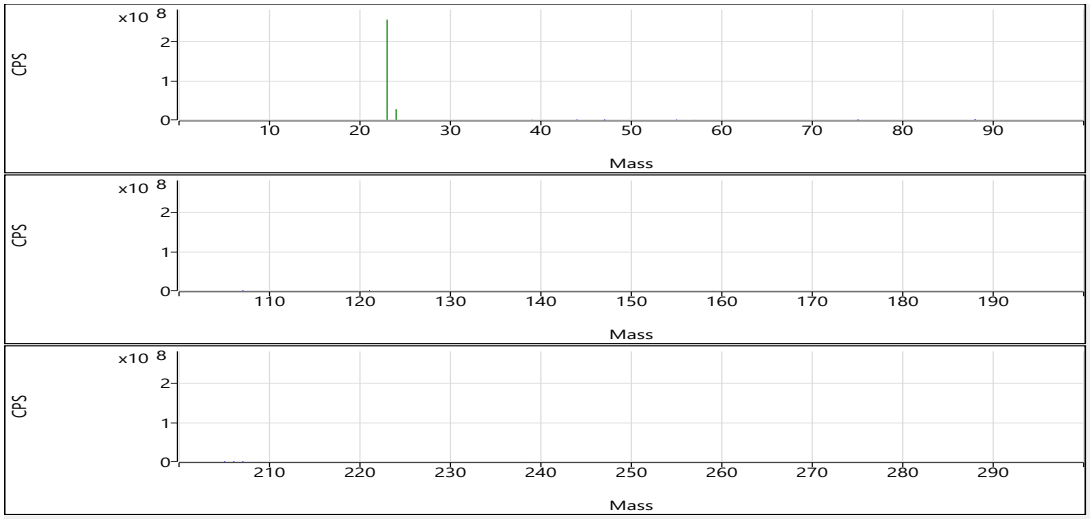


H2



Quantitation Report

He



Quantitation Report

Data File Name	143SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:44:23
Sample Name	410-224980-K-3-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

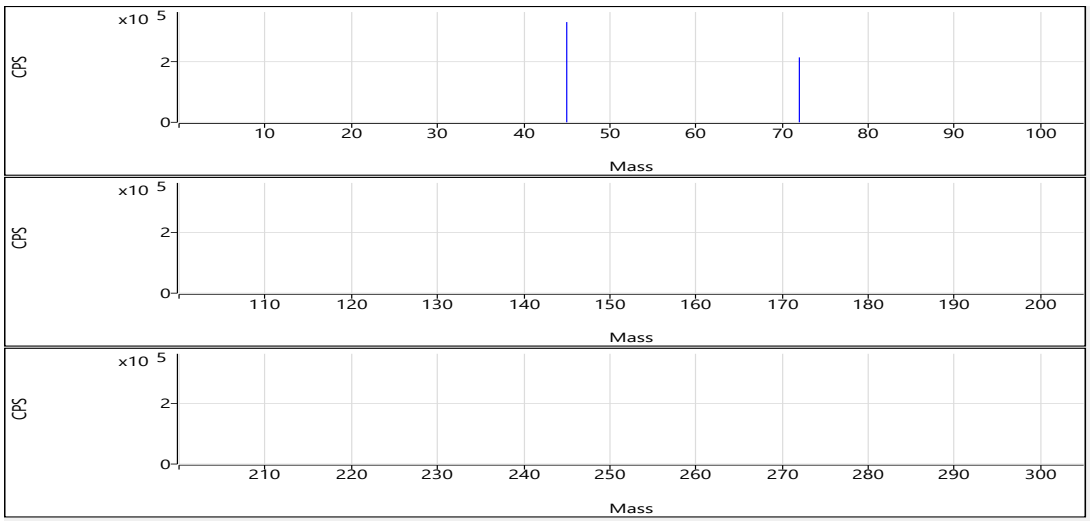
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.138	ppb	12.2	42.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	1.736	ppb	0.7	178.00	0.0007	Pulse	1.5000	3
Na	23	72	He	1905849.959	ppb	2.3	194410557.10	4 976.7573	Analog	0.1000	3
Mg	24	72	He	546462.707	ppb	2.8	28728549.57	735.5164	Analog	0.1000	3
Al	27	72	He	24.034	ppb	46.7	430.05	0.0109	Pulse	0.1000	3
K	39	72	He	4311.850	ppb	2.8	133106.69	3.4077	Pulse	0.1000	3
Ca	44	72	He	757037.663	ppb	2.1	1294405.29	33.1349	Pulse	0.1000	3
Ti	47	45	He	1.119	ppb	116.7	30.00	0.0014	Pulse	0.1000	3
V	51	72	He	2.099	ppb	2.3	1846.79	0.0473	Pulse	0.5000	3
Cr	52	72	He	-0.323	ppb	N/A	1350.11	0.0345	Pulse	0.1000	3
Mn	55	72	He	464.397	ppb	2.9	154286.58	3.9501	Pulse	0.1000	3
Fe	57	72	He	403.466	ppb	5.9	6314.91	0.1617	Pulse	0.1000	3
Co	59	72	He	1.627	ppb	2.1	2463.64	0.0630	Pulse	0.1000	3
Ni	60	159	He	13.645	ppb	4.4	5714.67	0.0285	Pulse	0.1000	3
Cu	63	72	He	0.917	ppb	12.2	1270.10	0.0326	Pulse	0.1000	3
Zn	66	72	He	48.302	ppb	5.8	6671.78	0.1709	Pulse	0.1000	3
As	75	115	He	12.142	ppb	2.5	1074.05	0.0271	Pulse	0.5000	3
Sr	88	115	He	4152.843	ppb	2.2	1665259.04	42.0788	Pulse	0.1000	3
Mo	98	159	He	14.305	ppb	4.8	14514.55	0.0724	Pulse	0.1000	3
Ag	107	115	He	0.010	ppb	84.6	40.00	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.012	ppb	94.3	4.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	0.118	ppb	267.8	3120.48	0.0156	Pulse	0.1000	3
Sb	121	209	He	0.375	ppb	25.4	240.01	0.0015	Pulse	0.1000	3
Ba	137	159	He	48.476	ppb	1.8	11281.64	0.0563	Pulse	0.1000	3
Tl	205	209	He	0.012	ppb	60.0	146.67	0.0009	Pulse	0.1000	3
Pb	208	209	He	0.061	ppb	25.8	776.71	0.0048	Pulse	0.1000	3
U	238	209	He	25.044	ppb	1.4	252203.65	1.5529	Pulse	0.1000	3

ISTD Table:

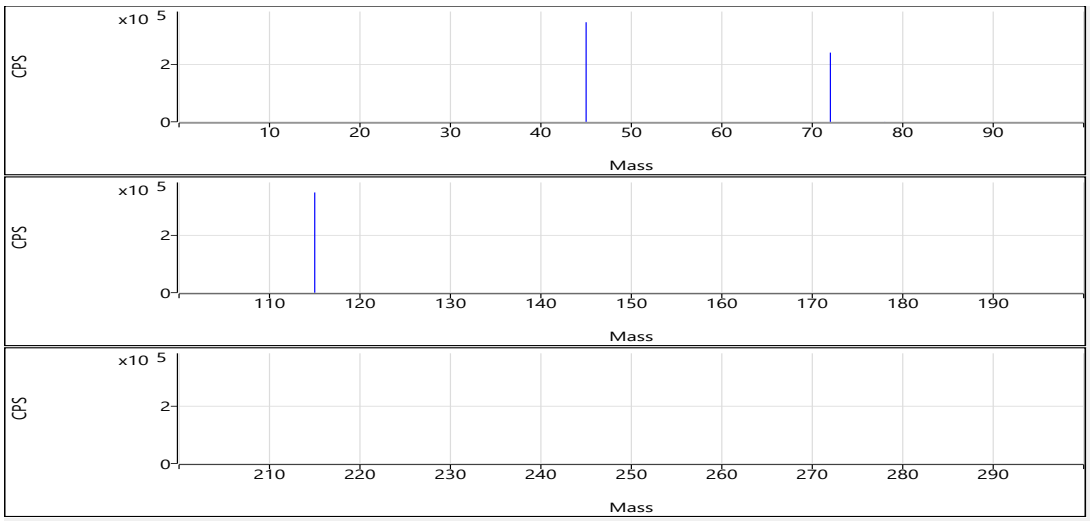
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	332125.06	0.0	143.4	Pulse	0.1000	3
No Gas	Ge	72	215113.01	0.2	130.5	Pulse	0.1000	3
H2	Sc	45	350272.30	0.8	102.6	Pulse	0.1000	3
H2	Ge	72	243450.86	0.6	99.2	Pulse	0.1000	3
H2	In	115	352591.60	0.9	90.4	Pulse	0.1000	3
He	Sc	45	21823.52	2.1	110.5	Pulse	0.1000	3
He	Ge	72	39080.42	2.9	104.3	Pulse	0.1000	3
He	In	115	39589.30	2.7	103.7	Pulse	0.1000	3
He	Tb	159	200442.44	1.2	102.4	Pulse	0.1000	3
He	Bi	209	162422.81	1.0	90.5	Pulse	0.1000	3

No Gas

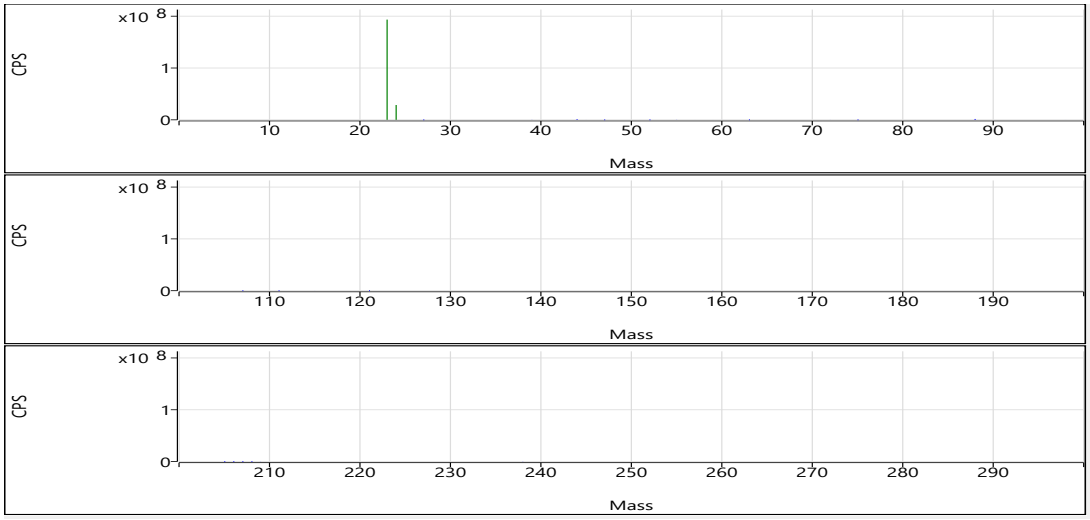


H2



Quantitation Report

He



Quantitation Report

Data File Name	144SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:46:36
Sample Name	410-224980-K-4-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

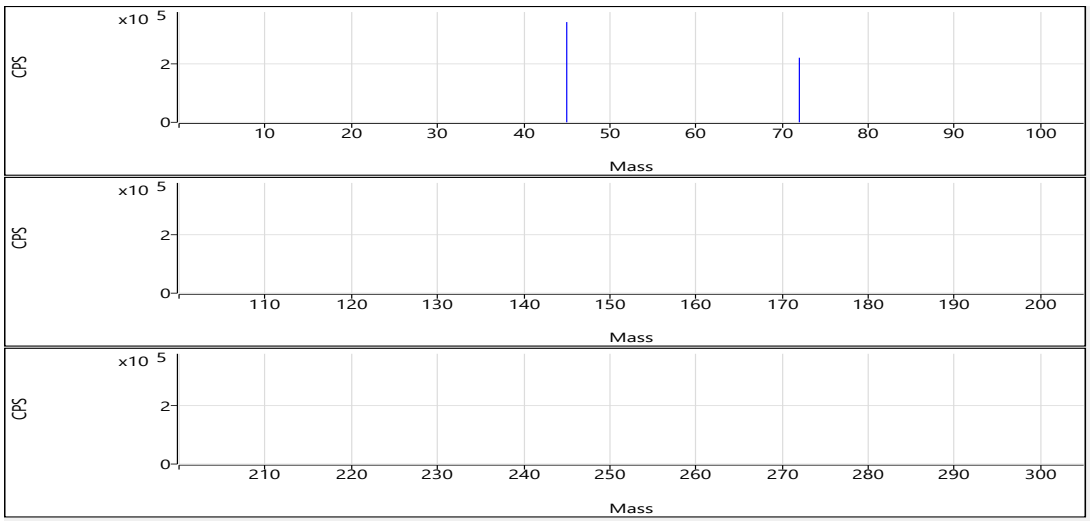
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.115	ppb	39.7	38.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.311	ppb	10.6	37.11	0.0001	Pulse	1.5000	3
Na	23	72	He	1907678.689	ppb	1.4	194373890.44	4 981.5325	Analog	0.1000	3
Mg	24	72	He	567981.187	ppb	1.4	29829389.56	764.4790	Analog	0.1000	3
Al	27	72	He	251.344	ppb	8.6	3997.36	0.1025	Pulse	0.1000	3
K	39	72	He	21087.669	ppb	0.6	626541.13	16.0551	Pulse	0.1000	3
Ca	44	72	He	614580.876	ppb	0.8	1049710.74	26.9000	Pulse	0.1000	3
Ti	47	45	He	8.482	ppb	44.9	136.67	0.0059	Pulse	0.1000	3
V	51	72	He	1.421	ppb	6.9	1459.41	0.0374	Pulse	0.5000	3
Cr	52	72	He	0.527	ppb	22.5	1980.20	0.0508	Pulse	0.1000	3
Mn	55	72	He	2260.930	ppb	0.7	750177.83	19.2234	Pulse	0.1000	3
Fe	57	72	He	2140.914	ppb	2.8	33038.21	0.8467	Pulse	0.1000	3
Co	59	72	He	12.028	ppb	1.3	17451.07	0.4471	Pulse	0.1000	3
Ni	60	159	He	208.172	ppb	0.6	81160.03	0.4042	Pulse	0.1000	3
Cu	63	72	He	0.745	ppb	20.5	1076.75	0.0275	Pulse	0.1000	3
Zn	66	72	He	10.477	ppb	12.8	1530.14	0.0392	Pulse	0.1000	3
As	75	115	He	4.767	ppb	7.6	450.01	0.0111	Pulse	0.5000	3
Sr	88	115	He	5084.776	ppb	0.8	2081635.17	51.5214	Pulse	0.1000	3
Mo	98	159	He	13.378	ppb	0.7	13603.62	0.0678	Pulse	0.1000	3
Ag	107	115	He	0.012	ppb	86.0	46.67	0.0012	Pulse	0.1000	3
Cd	111	115	He	0.199	ppb	12.1	56.00	0.0014	Pulse	0.5000	3
Sn	120	159	He	0.007	ppb	2837.0	3040.43	0.0151	Pulse	0.1000	3
Sb	121	209	He	0.138	ppb	30.4	96.67	0.0006	Pulse	0.1000	3
Ba	137	159	He	17.265	ppb	0.8	4054.08	0.0202	Pulse	0.1000	3
Tl	205	209	He	0.248	ppb	5.2	1646.83	0.0100	Pulse	0.1000	3
Pb	208	209	He	0.186	ppb	5.5	1833.45	0.0112	Pulse	0.1000	3
U	238	209	He	103.972	ppb	1.0	1059201.44	6.4462	Pulse	0.1000	3

ISTD Table:

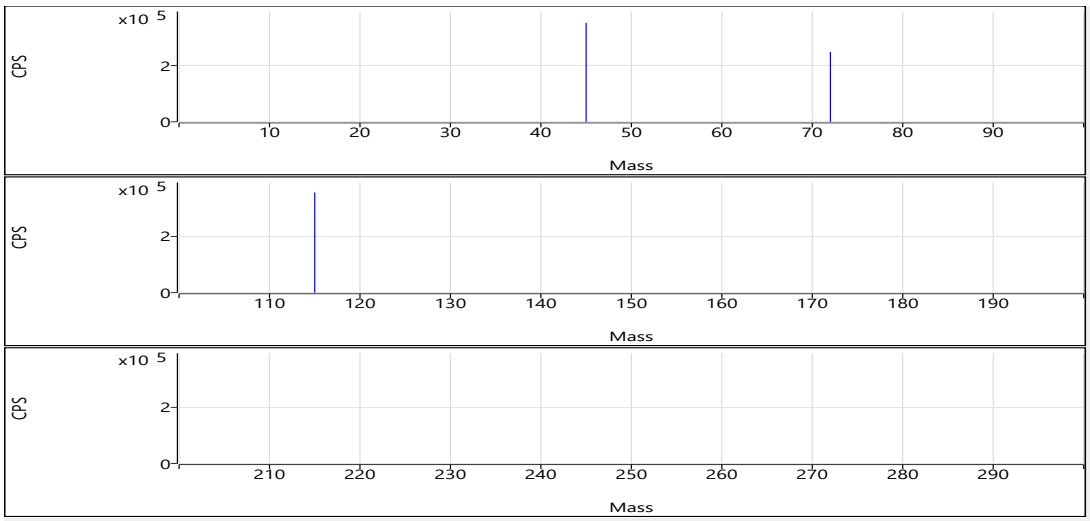
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	342082.11	1.9	147.7	Pulse	0.1000	3
No Gas	Ge	72	220368.26	1.4	133.7	Pulse	0.1000	3
H2	Sc	45	353215.11	0.3	103.4	Pulse	0.1000	3
H2	Ge	72	249502.12	0.9	101.6	Pulse	0.1000	3
H2	In	115	357347.94	0.8	91.6	Pulse	0.1000	3
He	Sc	45	22945.22	2.4	116.1	Pulse	0.1000	3
He	Ge	72	39026.91	2.2	104.2	Pulse	0.1000	3
He	In	115	40405.44	1.6	105.8	Pulse	0.1000	3
He	Tb	159	200782.47	1.2	102.6	Pulse	0.1000	3
He	Bi	209	164319.84	0.6	91.6	Pulse	0.1000	3

No Gas

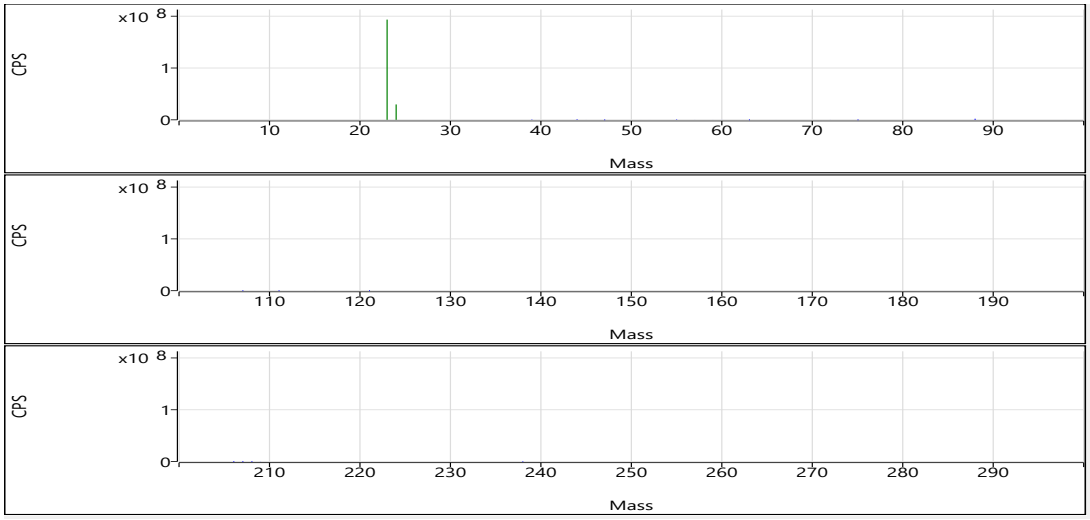


H2



Quantitation Report

He



Quantitation Report

Data File Name	145SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:48:52
Sample Name	410-224980-K-10-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

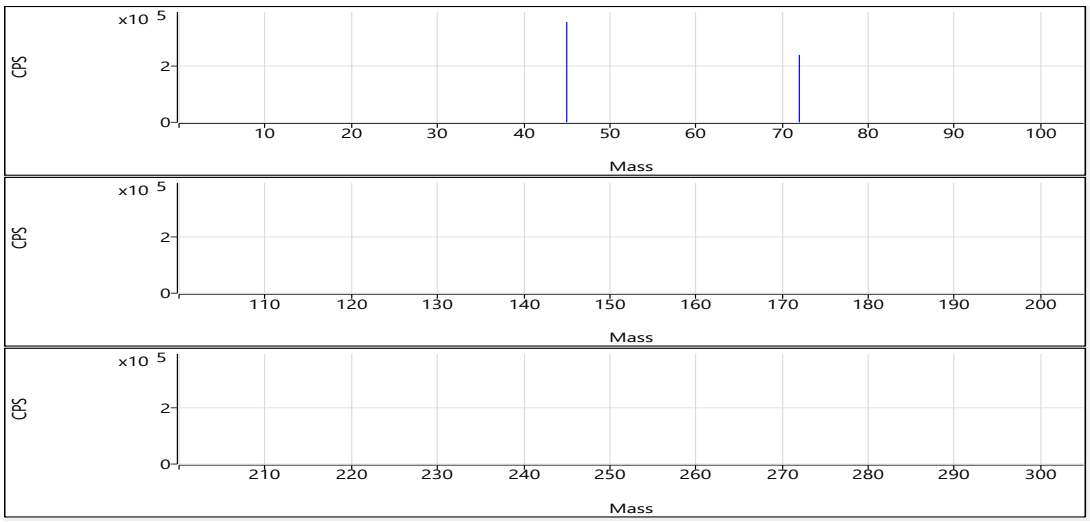
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.104	ppb	36.5	36.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.027	ppb	87.0	8.89	0.0000	Pulse	1.5000	3
Na	23	72	He	1605.038	ppb	4.1	173311.00	4.3414	Pulse	0.1000	3
Mg	24	72	He	317.134	ppb	6.4	17404.01	0.4362	Pulse	0.1000	3
Al	27	72	He	11.151	ppb	20.6	230.01	0.0057	Pulse	0.1000	3
K	39	72	He	35.971	ppb	21.4	7352.08	0.1841	Pulse	0.1000	3
Ca	44	72	He	511.799	ppb	15.5	970.07	0.0243	Pulse	0.1000	3
Ti	47	45	He	-1.109	ppb	N/A	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	0.402	ppb	13.1	904.04	0.0226	Pulse	0.5000	3
Cr	52	72	He	-0.237	ppb	N/A	1443.46	0.0361	Pulse	0.1000	3
Mn	55	72	He	1.836	ppb	14.7	703.38	0.0177	Pulse	0.1000	3
Fe	57	72	He	4.089	ppb	86.4	170.01	0.0043	Pulse	0.1000	3
Co	59	72	He	0.022	ppb	143.3	150.01	0.0037	Pulse	0.1000	3
Ni	60	159	He	0.710	ppb	22.9	733.38	0.0035	Pulse	0.1000	3
Cu	63	72	He	0.077	ppb	26.9	316.68	0.0079	Pulse	0.1000	3
Zn	66	72	He	0.554	ppb	17.2	183.34	0.0046	Pulse	0.1000	3
As	75	115	He	0.109	ppb	161.7	44.00	0.0011	Pulse	0.5000	3
Sr	88	115	He	3.027	ppb	1.3	1330.12	0.0319	Pulse	0.1000	3
Mo	98	159	He	0.049	ppb	50.3	86.67	0.0004	Pulse	0.1000	3
Ag	107	115	He	0.008	ppb	30.5	36.67	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.004	ppb	93.0	2.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	1.235	ppb	24.8	4134.09	0.0199	Pulse	0.1000	3
Sb	121	209	He	0.046	ppb	46.1	46.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	0.433	ppb	24.3	150.01	0.0007	Pulse	0.1000	3
Tl	205	209	He	0.007	ppb	128.7	133.34	0.0007	Pulse	0.1000	3
Pb	208	209	He	0.020	ppb	19.5	513.35	0.0027	Pulse	0.1000	3
U	238	209	He	0.076	ppb	8.1	920.07	0.0049	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	355470.91	0.7	153.5	Pulse	0.1000	3
No Gas	Ge	72	239094.84	1.2	145.0	Pulse	0.1000	3
H2	Sc	45	357853.36	0.7	104.8	Pulse	0.1000	3
H2	Ge	72	271565.48	1.5	110.6	Pulse	0.1000	3
H2	In	115	394330.66	0.5	101.1	Pulse	0.1000	3
He	Sc	45	21783.49	0.2	110.3	Pulse	0.1000	3
He	Ge	72	39949.52	3.1	106.6	Pulse	0.1000	3
He	In	115	41707.76	1.2	109.3	Pulse	0.1000	3
He	Tb	159	207623.26	0.9	106.1	Pulse	0.1000	3
He	Bi	209	188044.10	0.7	104.8	Pulse	0.1000	3

No Gas



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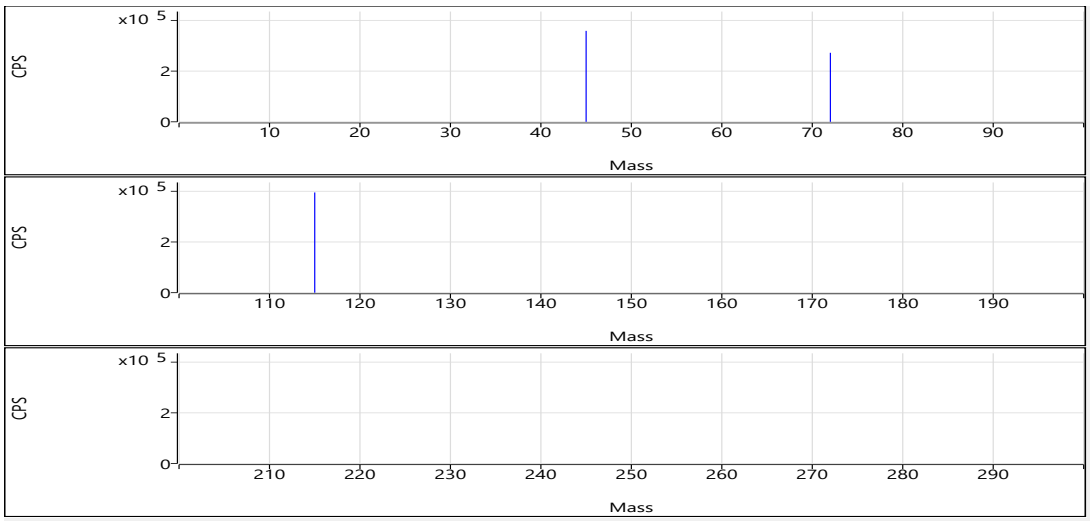
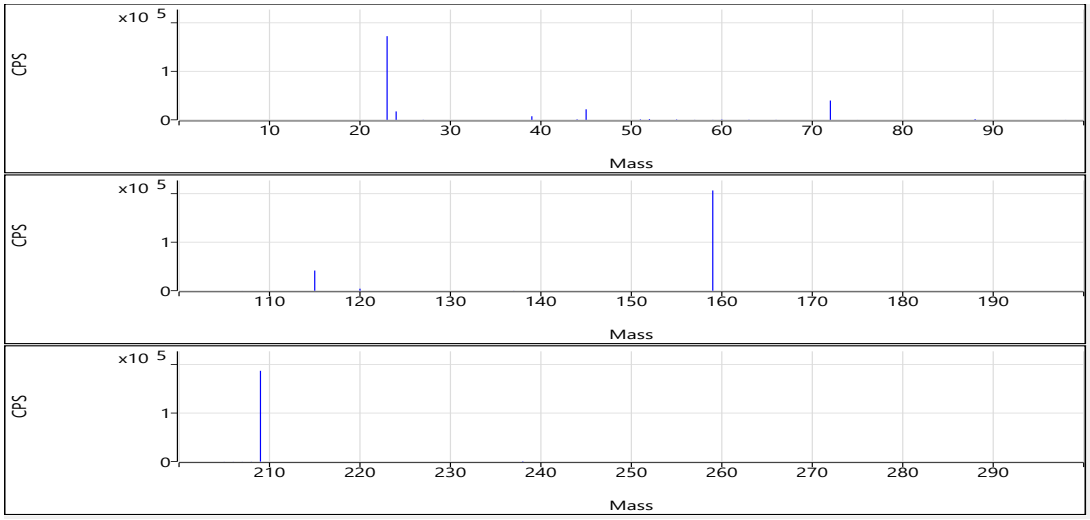


Quantitation Report

He



Quantitation Report

Data File Name	146SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:51:02
Sample Name	410-224980-K-6-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

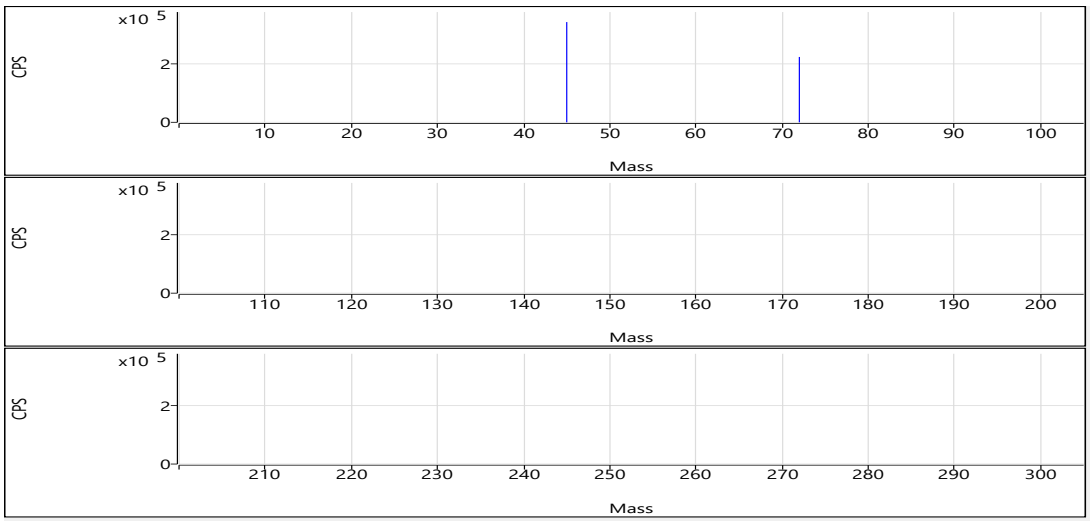
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.129	ppb	40.1	41.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	2.930	ppb	5.2	305.56	0.0012	Pulse	1.5000	3
Na	23	72	He	1252899.790	ppb	1.1	126771331.44	3 271.7561	Analog	0.1000	3
Mg	24	72	He	362347.178	ppb	1.5	18896010.55	487.7076	Analog	0.1000	3
Al	27	72	He	196.272	ppb	2.3	3113.78	0.0803	Pulse	0.1000	3
K	39	72	He	9783.768	ppb	1.3	291884.72	7.5330	Pulse	0.1000	3
Ca	44	72	He	483041.129	ppb	1.7	819162.28	21.1430	Pulse	0.1000	3
Ti	47	45	He	3.739	ppb	66.9	66.67	0.0030	Pulse	0.1000	3
V	51	72	He	2.059	ppb	0.9	1808.79	0.0467	Pulse	0.5000	3
Cr	52	72	He	0.306	ppb	69.0	1803.51	0.0465	Pulse	0.1000	3
Mn	55	72	He	88.684	ppb	0.1	29296.71	0.7560	Pulse	0.1000	3
Fe	57	72	He	362.410	ppb	3.9	5641.28	0.1455	Pulse	0.1000	3
Co	59	72	He	0.267	ppb	9.4	496.70	0.0128	Pulse	0.1000	3
Ni	60	159	He	6.896	ppb	11.4	3097.11	0.0155	Pulse	0.1000	3
Cu	63	72	He	0.933	ppb	7.0	1280.10	0.0330	Pulse	0.1000	3
Zn	66	72	He	3.016	ppb	13.3	510.03	0.0132	Pulse	0.1000	3
As	75	115	He	1.313	ppb	14.6	145.33	0.0037	Pulse	0.5000	3
Sr	88	115	He	4115.496	ppb	1.7	1655897.16	41.7004	Pulse	0.1000	3
Mo	98	159	He	13.546	ppb	3.5	13727.06	0.0686	Pulse	0.1000	3
Ag	107	115	He	0.026	ppb	40.6	76.67	0.0019	Pulse	0.1000	3
Cd	111	115	He	0.731	ppb	6.9	198.67	0.0050	Pulse	0.5000	3
Sn	120	159	He	0.193	ppb	10.1	3173.80	0.0159	Pulse	0.1000	3
Sb	121	209	He	0.094	ppb	68.8	70.00	0.0004	Pulse	0.1000	3
Ba	137	159	He	31.286	ppb	0.5	7285.53	0.0364	Pulse	0.1000	3
Tl	205	209	He	0.098	ppb	15.1	693.38	0.0042	Pulse	0.1000	3
Pb	208	209	He	0.128	ppb	5.0	1350.08	0.0082	Pulse	0.1000	3
U	238	209	He	199.527	ppb	0.3	2035982.37	12.3704	Pulse	0.1000	3

ISTD Table:

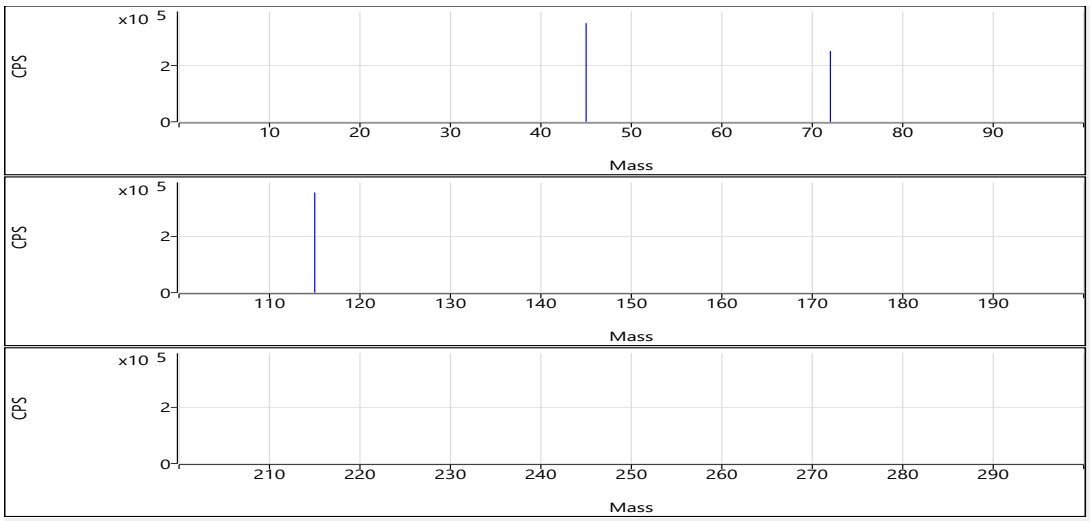
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	340724.36	0.4	147.1	Pulse	0.1000	3
No Gas	Ge	72	222140.00	0.2	134.7	Pulse	0.1000	3
H2	Sc	45	348978.35	0.7	102.2	Pulse	0.1000	3
H2	Ge	72	250579.98	0.7	102.1	Pulse	0.1000	3
H2	In	115	354569.53	0.4	90.9	Pulse	0.1000	3
He	Sc	45	22093.97	1.5	111.8	Pulse	0.1000	3
He	Ge	72	38753.01	2.2	103.5	Pulse	0.1000	3
He	In	115	39716.10	1.8	104.0	Pulse	0.1000	3
He	Tb	159	200115.17	0.5	102.3	Pulse	0.1000	3
He	Bi	209	164588.46	1.0	91.7	Pulse	0.1000	3

No Gas

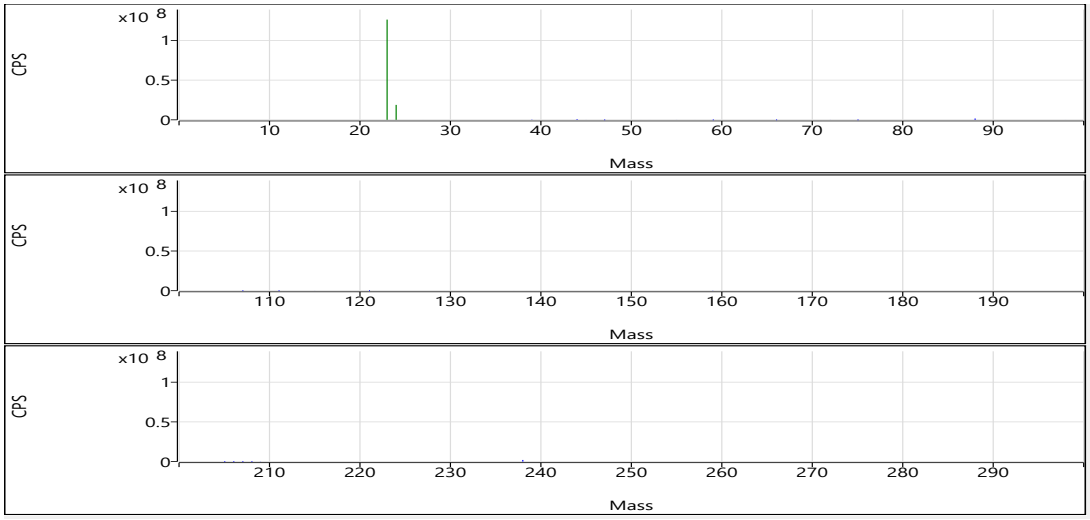


H2



Quantitation Report

He



Quantitation Report

Data File Name	148_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:55:27
Sample Name	CCV 7799630
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

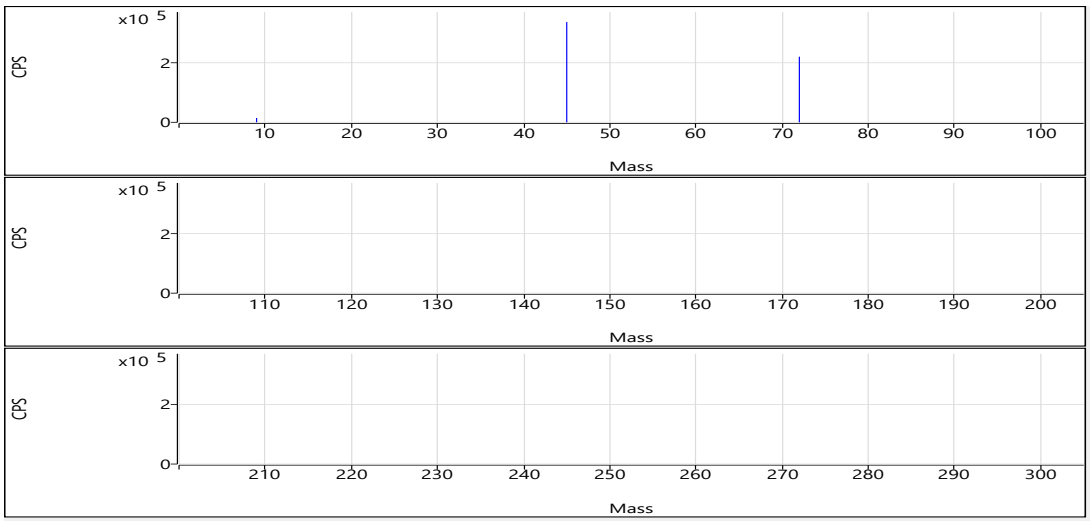
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	57.761	ppb	1.2	14551.73	0.0428	Pulse	0.5000	3
Se	78	72	H2	49.465	ppb	1.2	5098.24	0.0202	Pulse	1.5000	3
Na	23	72	He	5814.153	ppb	1.5	592890.97	15.3323	Pulse	0.1000	3
Mg	24	72	He	5106.218	ppb	1.2	266127.31	6.8820	Pulse	0.1000	3
Al	27	72	He	5038.849	ppb	1.0	78557.82	2.0314	Pulse	0.1000	3
K	39	72	He	5059.238	ppb	1.3	153565.32	3.9712	Pulse	0.1000	3
Ca	44	72	He	5322.828	ppb	5.4	9083.14	0.2348	Pulse	0.1000	3
Ti	47	45	He	4968.318	ppb	4.0	65292.83	3.0767	Pulse	0.1000	3
V	51	72	He	497.645	ppb	1.0	279847.73	7.2367	Pulse	0.5000	3
Cr	52	72	He	491.150	ppb	0.8	366175.91	9.4690	Pulse	0.1000	3
Mn	55	72	He	499.642	ppb	0.5	164347.73	4.2498	Pulse	0.1000	3
Fe	57	72	He	4810.966	ppb	1.4	73448.97	1.8993	Pulse	0.1000	3
Co	59	72	He	494.339	ppb	0.7	706065.38	18.2581	Pulse	0.1000	3
Ni	60	159	He	498.299	ppb	1.6	195787.22	0.9646	Pulse	0.1000	3
Cu	63	72	He	489.518	ppb	1.7	554866.94	14.3492	Pulse	0.1000	3
Zn	66	72	He	493.911	ppb	1.6	66634.35	1.7229	Pulse	0.1000	3
As	75	115	He	485.988	ppb	2.7	41704.04	1.0534	Pulse	0.5000	3
Sr	88	115	He	53.755	ppb	6.1	21600.31	0.5459	Pulse	0.1000	3
Mo	98	159	He	48.515	ppb	2.7	49778.36	0.2453	Pulse	0.1000	3
Ag	107	115	He	48.651	ppb	3.5	113022.69	2.8552	Pulse	0.1000	3
Cd	111	115	He	48.479	ppb	3.2	13048.76	0.3296	Pulse	0.5000	3
Sn	120	159	He	54.740	ppb	2.5	46240.63	0.2278	Pulse	0.1000	3
Sb	121	209	He	53.490	ppb	3.1	36120.97	0.1998	Pulse	0.1000	3
Ba	137	159	He	517.651	ppb	1.6	121574.61	0.5989	Pulse	0.1000	3
Tl	205	209	He	50.863	ppb	1.2	354736.13	1.9615	Pulse	0.1000	3
Pb	208	209	He	50.432	ppb	0.7	465070.43	2.5715	Pulse	0.1000	3
U	238	209	He	50.053	ppb	1.4	561222.21	3.1034	Pulse	0.1000	3

ISTD Table:

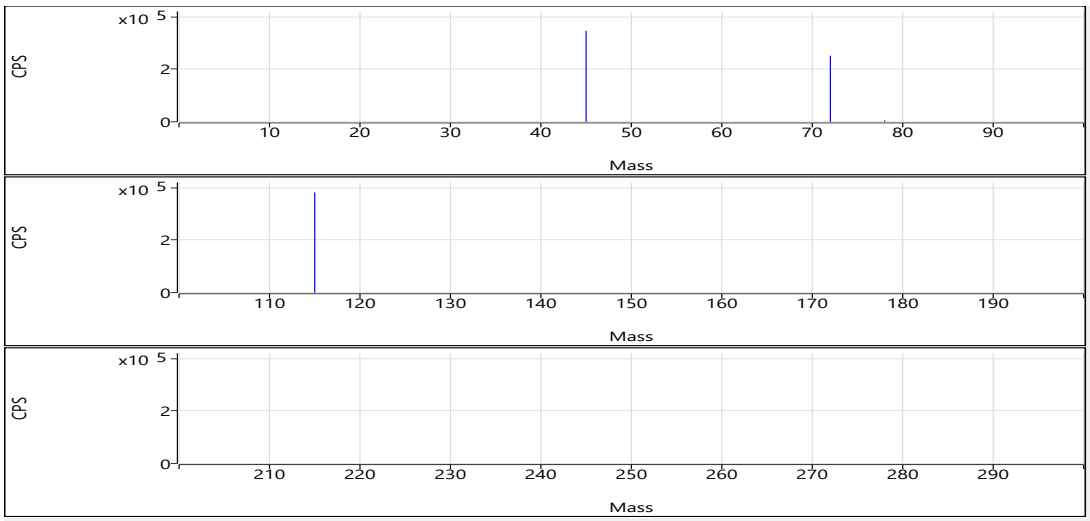
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	339838.45	1.6	146.7	Pulse	0.1000	3
No Gas	Ge	72	222428.98	1.8	134.9	Pulse	0.1000	3
H2	Sc	45	346497.33	0.7	101.5	Pulse	0.1000	3
H2	Ge	72	251925.61	1.0	102.6	Pulse	0.1000	3
H2	In	115	381844.92	0.5	97.9	Pulse	0.1000	3
He	Sc	45	21242.66	3.7	107.5	Pulse	0.1000	3
He	Ge	72	38672.68	0.9	103.2	Pulse	0.1000	3
He	In	115	39607.17	2.4	103.8	Pulse	0.1000	3
He	Tb	159	203017.70	1.7	103.7	Pulse	0.1000	3
He	Bi	209	180864.94	1.3	100.8	Pulse	0.1000	3

No Gas

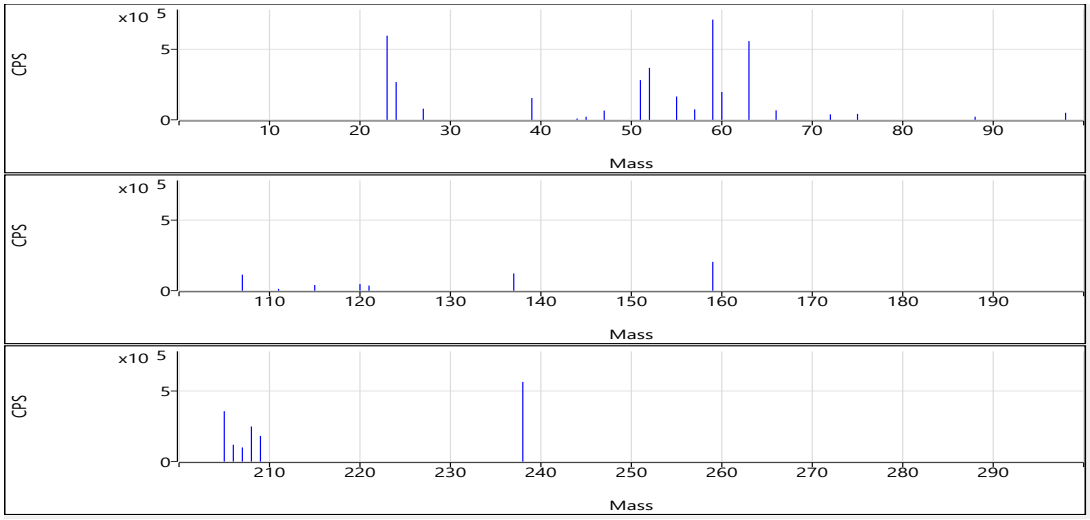


H2



Quantitation Report

He



Quantitation Report

Data File Name	150_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 21:59:50
Sample Name	CCB 7792565
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

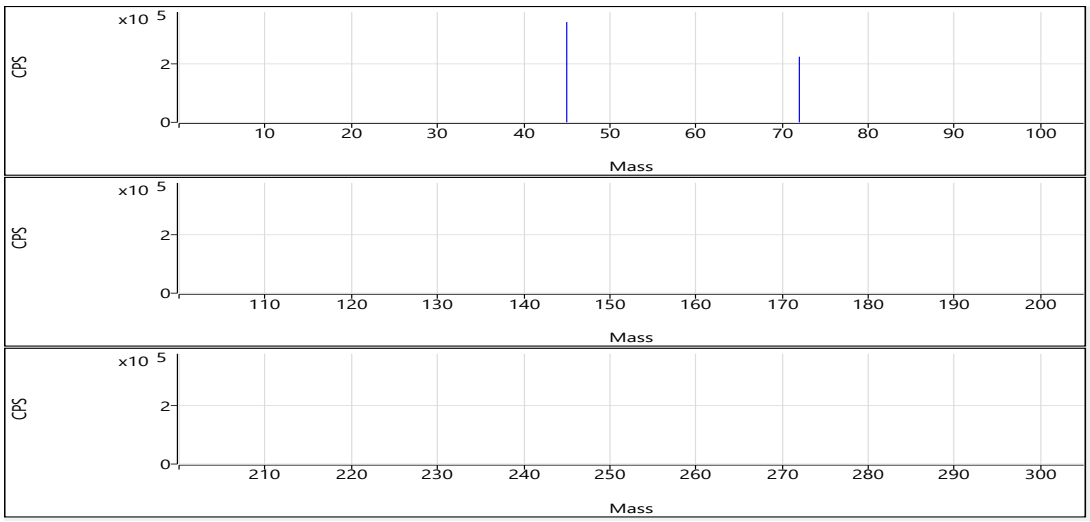
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.117	ppb	33.5	38.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.040	ppb	32.8	9.78	0.0000	Pulse	1.5000	3
Na	23	72	He	806.305	ppb	0.3	88244.72	2.2557	Pulse	0.1000	3
Mg	24	72	He	188.884	ppb	3.1	10313.97	0.2636	Pulse	0.1000	3
Al	27	72	He	0.063	ppb	1684.7	50.00	0.0013	Pulse	0.1000	3
K	39	72	He	21.351	ppb	35.8	6768.48	0.1731	Pulse	0.1000	3
Ca	44	72	He	222.147	ppb	7.5	453.36	0.0116	Pulse	0.1000	3
Ti	47	45	He	2.136	ppb	107.7	43.34	0.0020	Pulse	0.1000	3
V	51	72	He	0.286	ppb	25.2	820.03	0.0210	Pulse	0.5000	3
Cr	52	72	He	0.032	ppb	1049.2	1613.48	0.0413	Pulse	0.1000	3
Mn	55	72	He	0.975	ppb	30.6	403.35	0.0103	Pulse	0.1000	3
Fe	57	72	He	0.589	ppb	738.5	113.34	0.0029	Pulse	0.1000	3
Co	59	72	He	0.059	ppb	26.4	200.01	0.0051	Pulse	0.1000	3
Ni	60	159	He	0.738	ppb	36.6	733.37	0.0036	Pulse	0.1000	3
Cu	63	72	He	0.062	ppb	35.0	293.35	0.0075	Pulse	0.1000	3
Zn	66	72	He	0.313	ppb	32.6	146.68	0.0038	Pulse	0.1000	3
As	75	115	He	0.178	ppb	20.3	48.67	0.0012	Pulse	0.5000	3
Sr	88	115	He	1.820	ppb	3.4	793.38	0.0197	Pulse	0.1000	3
Mo	98	159	He	0.031	ppb	71.6	66.67	0.0003	Pulse	0.1000	3
Ag	107	115	He	0.014	ppb	31.3	50.00	0.0012	Pulse	0.1000	3
Cd	111	115	He	0.005	ppb	93.2	2.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.160	ppb	N/A	2957.12	0.0145	Pulse	0.1000	3
Sb	121	209	He	0.029	ppb	28.7	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	0.020	ppb	201.3	50.00	0.0002	Pulse	0.1000	3
Tl	205	209	He	0.017	ppb	28.5	200.01	0.0011	Pulse	0.1000	3
Pb	208	209	He	0.015	ppb	32.5	443.35	0.0024	Pulse	0.1000	3
U	238	209	He	0.045	ppb	4.5	550.03	0.0030	Pulse	0.1000	3

ISTD Table:

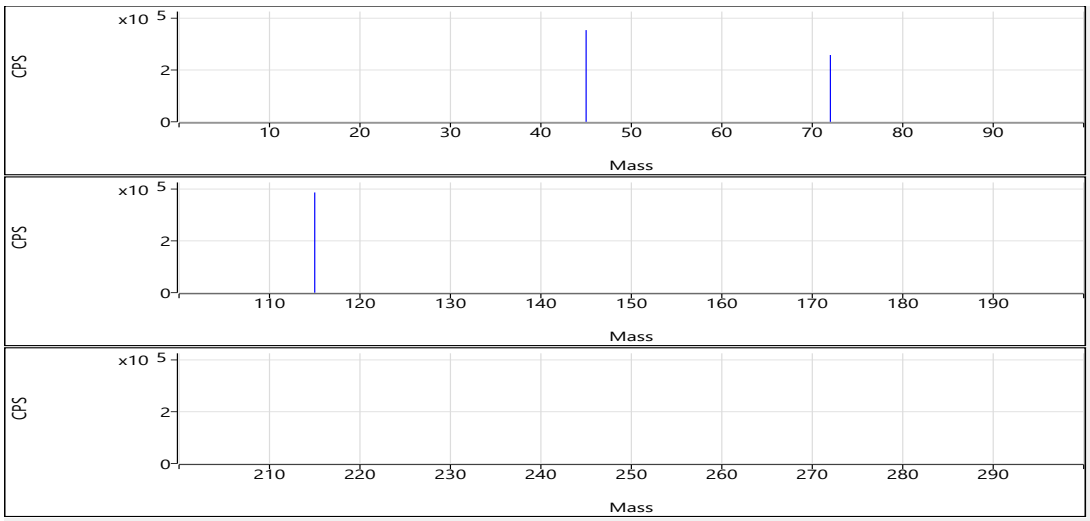
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	343241.34	0.3	148.2	Pulse	0.1000	3
No Gas	Ge	72	224691.40	0.4	136.3	Pulse	0.1000	3
H2	Sc	45	353100.62	0.5	103.4	Pulse	0.1000	3
H2	Ge	72	257249.40	0.6	104.8	Pulse	0.1000	3
H2	In	115	385944.57	0.7	98.9	Pulse	0.1000	3
He	Sc	45	21266.08	3.3	107.6	Pulse	0.1000	3
He	Ge	72	39120.47	1.9	104.4	Pulse	0.1000	3
He	In	115	40339.22	1.0	105.7	Pulse	0.1000	3
He	Tb	159	204162.30	0.9	104.3	Pulse	0.1000	3
He	Bi	209	181767.18	0.6	101.3	Pulse	0.1000	3

No Gas

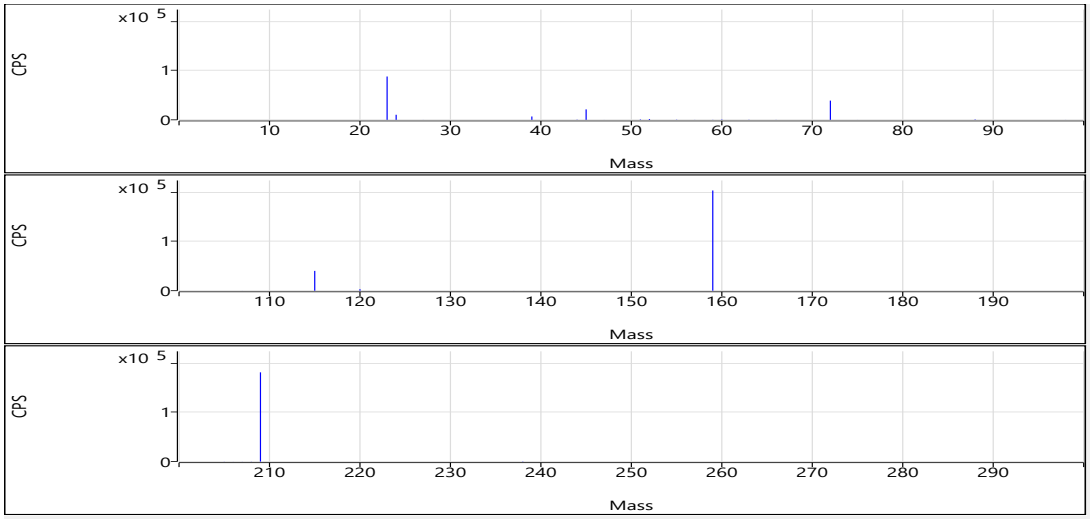


H2



Quantitation Report

He



Quantitation Report

Data File Name	151SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 22:02:00
Sample Name	410-224962-J-3-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

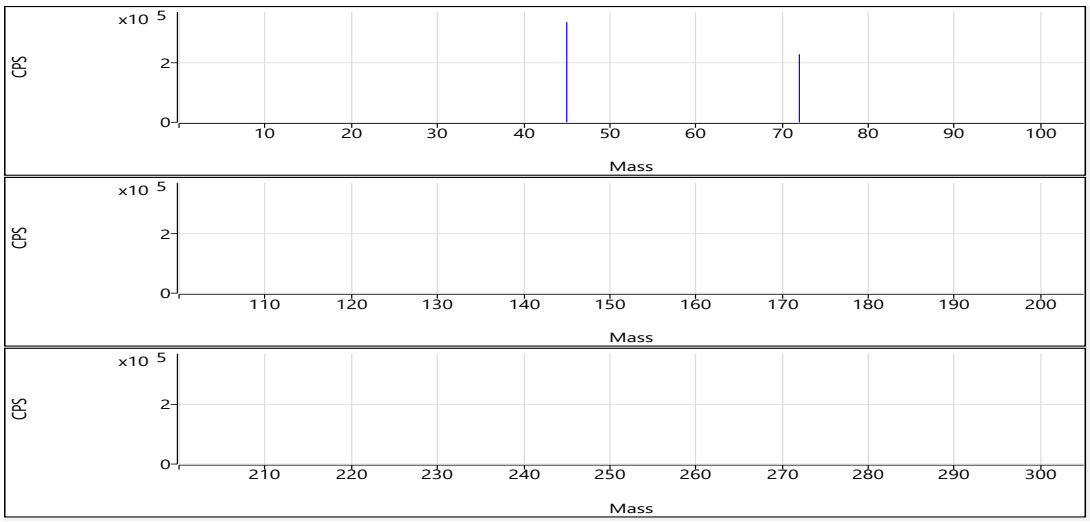
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.092	ppb	23.0	32.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.949	ppb	5.8	109.33	0.0004	Pulse	1.5000	3
Na	23	72	He	270541.202	ppb	0.2	28206750.41	706.5948	Analog	0.1000	3
Mg	24	72	He	13470.526	ppb	0.3	724127.23	18.1399	Pulse	0.1000	3
Al	27	72	He	9.959	ppb	18.8	210.01	0.0053	Pulse	0.1000	3
K	39	72	He	20669.828	ppb	0.5	628331.87	15.7401	Pulse	0.1000	3
Ca	44	72	He	21176.245	ppb	2.1	37070.90	0.9287	Pulse	0.1000	3
Ti	47	45	He	7.996	ppb	26.7	120.01	0.0056	Pulse	0.1000	3
V	51	72	He	4.329	ppb	2.0	3177.70	0.0796	Pulse	0.5000	3
Cr	52	72	He	20.454	ppb	7.4	17297.58	0.4333	Pulse	0.1000	3
Mn	55	72	He	117.257	ppb	2.3	39875.48	0.9989	Pulse	0.1000	3
Fe	57	72	He	384.343	ppb	4.5	6154.82	0.1542	Pulse	0.1000	3
Co	59	72	He	0.558	ppb	1.6	940.07	0.0236	Pulse	0.1000	3
Ni	60	159	He	31.014	ppb	0.1	12639.24	0.0621	Pulse	0.1000	3
Cu	63	72	He	1.895	ppb	5.4	2443.63	0.0612	Pulse	0.1000	3
Zn	66	72	He	34.943	ppb	4.2	4964.36	0.1244	Pulse	0.1000	3
As	75	115	He	5.691	ppb	11.3	531.35	0.0131	Pulse	0.5000	3
Sr	88	115	He	141.447	ppb	2.6	58008.71	1.4344	Pulse	0.1000	3
Mo	98	159	He	10.878	ppb	7.1	11221.48	0.0551	Pulse	0.1000	3
Ag	107	115	He	0.002	ppb	452.5	23.33	0.0006	Pulse	0.1000	3
Cd	111	115	He	0.019	ppb	19.6	6.67	0.0002	Pulse	0.5000	3
Sn	120	159	He	0.565	ppb	51.6	3523.91	0.0173	Pulse	0.1000	3
Sb	121	209	He	0.402	ppb	23.1	283.35	0.0016	Pulse	0.1000	3
Ba	137	159	He	72.187	ppb	3.4	17044.36	0.0837	Pulse	0.1000	3
Tl	205	209	He	0.001	ppb	174.0	90.00	0.0005	Pulse	0.1000	3
Pb	208	209	He	0.480	ppb	4.8	4710.52	0.0262	Pulse	0.1000	3
U	238	209	He	1.279	ppb	3.2	14301.75	0.0795	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	338894.70	0.6	146.3	Pulse	0.1000	3
No Gas	Ge	72	230028.99	0.8	139.5	Pulse	0.1000	3
H2	Sc	45	354475.97	1.3	103.8	Pulse	0.1000	3
H2	Ge	72	266707.60	1.4	108.6	Pulse	0.1000	3
H2	In	115	382824.84	0.6	98.1	Pulse	0.1000	3
He	Sc	45	21342.78	1.6	108.0	Pulse	0.1000	3
He	Ge	72	39919.36	0.4	106.6	Pulse	0.1000	3
He	In	115	40451.64	1.9	106.0	Pulse	0.1000	3
He	Tb	159	203654.43	1.1	104.1	Pulse	0.1000	3
He	Bi	209	179950.59	0.6	100.3	Pulse	0.1000	3

No Gas



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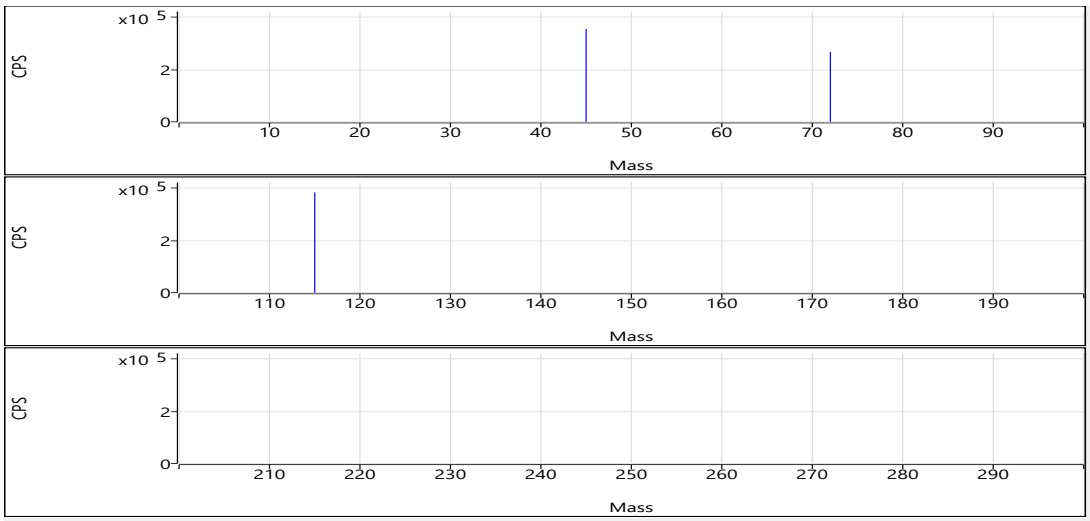
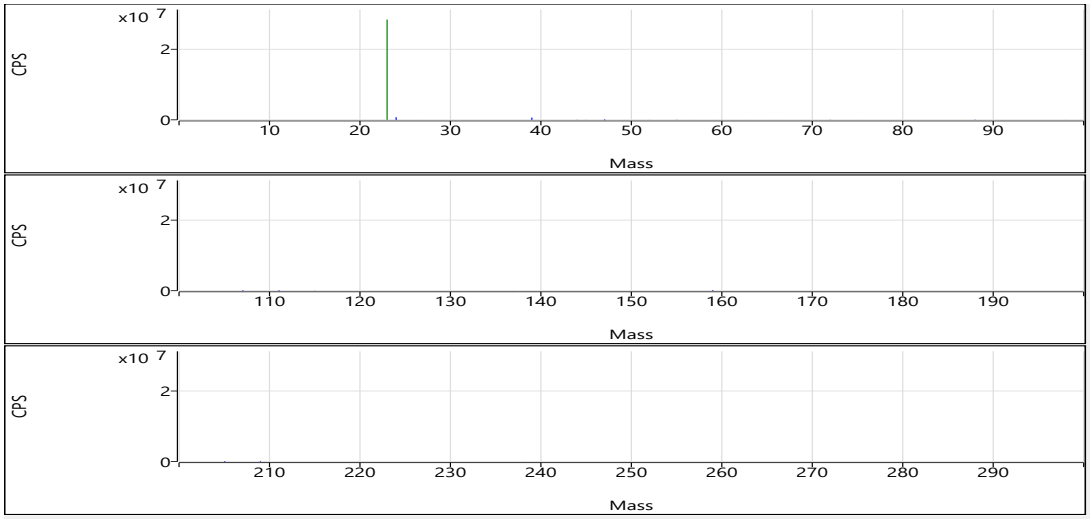


Quantitation Report

He



Quantitation Report

Data File Name	151SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 22:04:35
Sample Name	410-224962-J-3-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

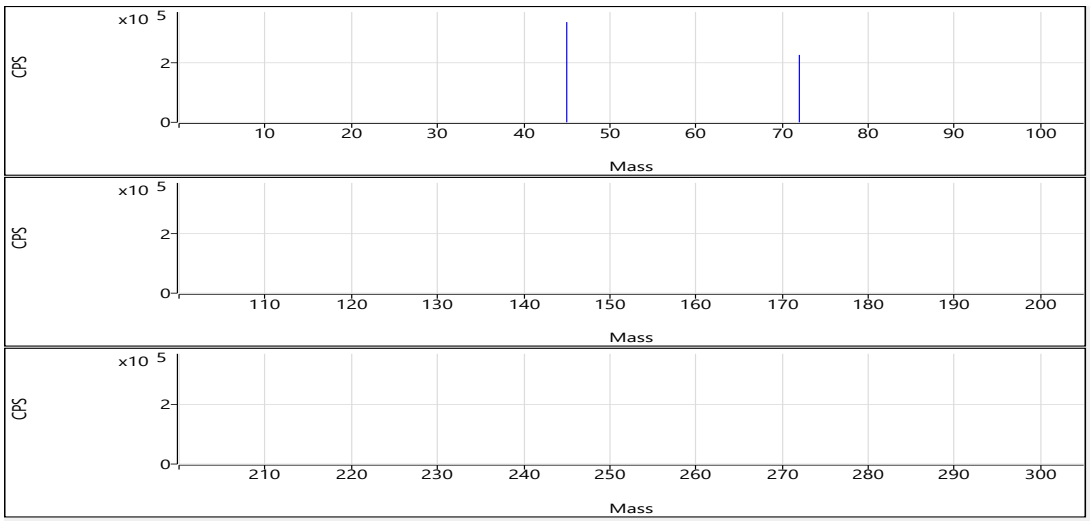
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.508	ppb	22.2	34.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	1.116	ppb	17.8	30.44	0.0001	Pulse	1.5000	3
Na	23	72	He	284868.046	ppb	2.0	5910566.37	148.9213	Analog	0.1000	3
Mg	24	72	He	14619.720	ppb	2.3	156562.44	3.9448	Pulse	0.1000	3
Al	27	72	He	19.972	ppb	33.6	113.34	0.0029	Pulse	0.1000	3
K	39	72	He	21483.851	ppb	2.6	134787.35	3.3964	Pulse	0.1000	3
Ca	44	72	He	22405.426	ppb	7.3	7852.33	0.1980	Pulse	0.1000	3
Ti	47	45	He	10.013	ppb	107.7	40.00	0.0019	Pulse	0.1000	3
V	51	72	He	5.316	ppb	3.3	1279.40	0.0322	Pulse	0.5000	3
Cr	52	72	He	20.973	ppb	4.6	4810.98	0.1212	Pulse	0.1000	3
Mn	55	72	He	119.917	ppb	5.4	8172.57	0.2059	Pulse	0.1000	3
Fe	57	72	He	457.073	ppb	5.5	1536.80	0.0387	Pulse	0.1000	3
Co	59	72	He	0.843	ppb	9.1	363.35	0.0092	Pulse	0.1000	3
Ni	60	159	He	34.686	ppb	2.9	3190.45	0.0156	Pulse	0.1000	3
Cu	63	72	He	2.123	ppb	16.3	720.04	0.0181	Pulse	0.1000	3
Zn	66	72	He	38.936	ppb	7.0	1183.43	0.0298	Pulse	0.1000	3
As	75	115	He	6.468	ppb	17.3	148.00	0.0036	Pulse	0.5000	3
Sr	88	115	He	151.882	ppb	2.0	12629.33	0.3090	Pulse	0.1000	3
Mo	98	159	He	12.091	ppb	8.5	2540.33	0.0124	Pulse	0.1000	3
Ag	107	115	He	0.081	ppb	30.4	56.67	0.0014	Pulse	0.1000	3
Cd	111	115	He	0.034	ppb	121.9	3.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	1.190	ppb	93.6	3287.81	0.0160	Pulse	0.1000	3
Sb	121	209	He	0.601	ppb	24.7	96.67	0.0005	Pulse	0.1000	3
Ba	137	159	He	70.520	ppb	3.7	3390.53	0.0165	Pulse	0.1000	3
Tl	205	209	He	0.029	ppb	77.1	123.34	0.0007	Pulse	0.1000	3
Pb	208	209	He	0.592	ppb	4.7	1426.76	0.0077	Pulse	0.1000	3
U	238	209	He	1.352	ppb	2.7	3133.83	0.0170	Pulse	0.1000	3

ISTD Table:

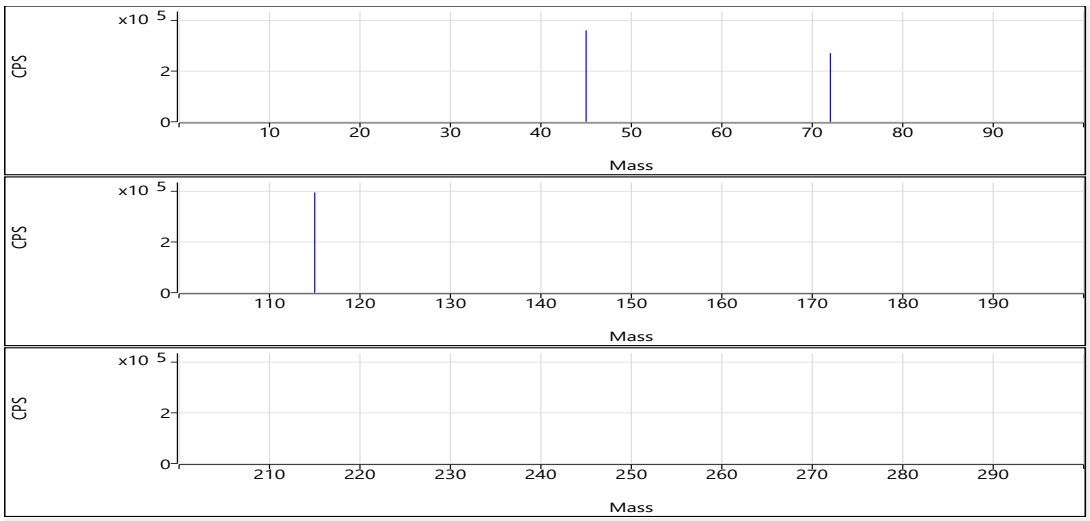
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	335694.64	1.0	144.9	Pulse	0.1000	3
No Gas	Ge	72	225731.21	1.1	136.9	Pulse	0.1000	3
H2	Sc	45	359432.52	1.2	105.3	Pulse	0.1000	3
H2	Ge	72	269618.99	0.5	109.8	Pulse	0.1000	3
H2	In	115	393780.16	0.1	101.0	Pulse	0.1000	3
He	Sc	45	21032.36	3.3	106.5	Pulse	0.1000	3
He	Ge	72	39698.87	2.0	106.0	Pulse	0.1000	3
He	In	115	40868.31	0.5	107.1	Pulse	0.1000	3
He	Tb	159	205040.83	0.5	104.8	Pulse	0.1000	3
He	Bi	209	184616.41	0.4	102.9	Pulse	0.1000	3

No Gas

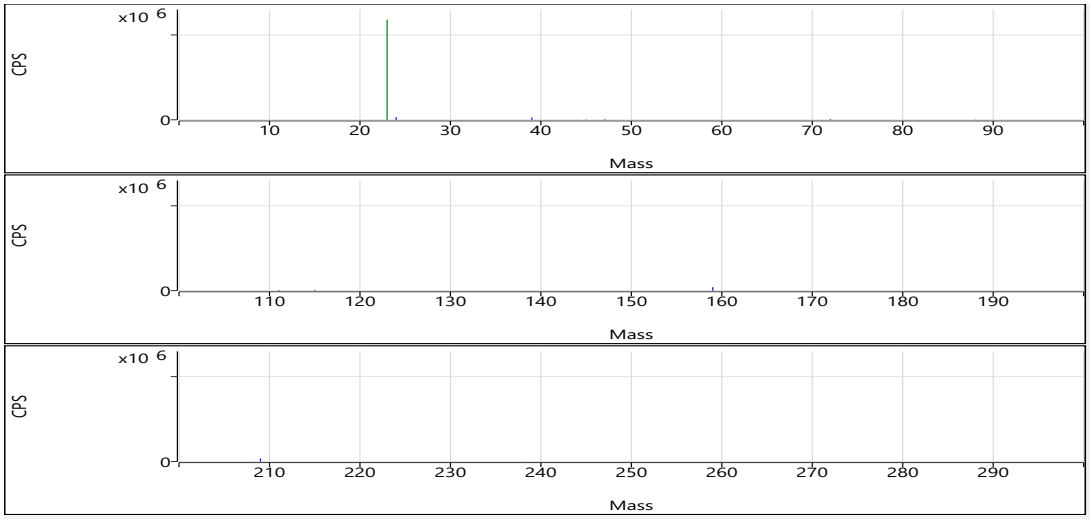


H2



Quantitation Report

He



Quantitation Report

Data File Name	152SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 22:06:48
Sample Name	410-225412-G-2-A
Sample Type	Sample
Comment	MS-G9
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

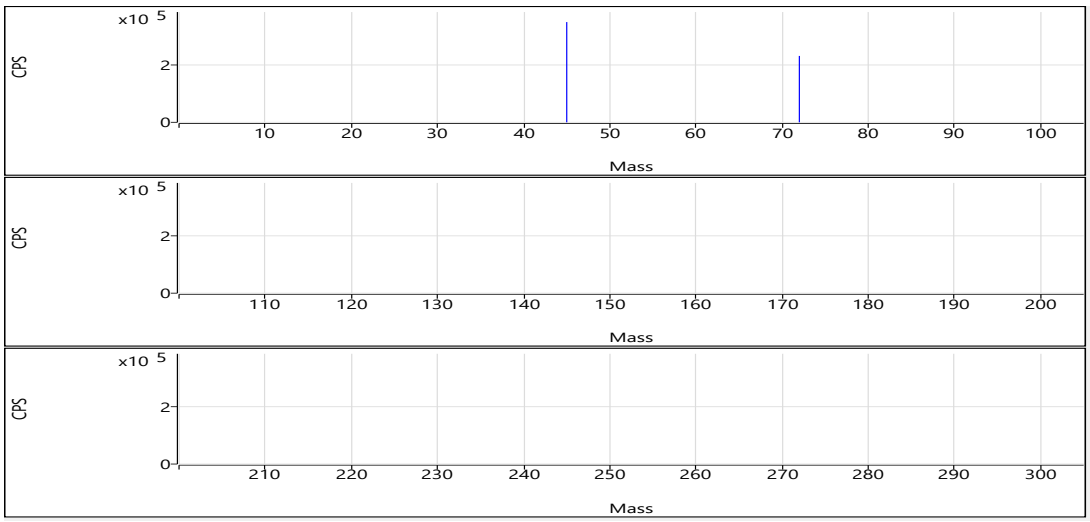
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.078	ppb	55.9	29.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.054	ppb	67.8	11.78	0.0000	Pulse	1.5000	3
Na	23	72	He	2252.380	ppb	0.5	241929.40	6.0317	Pulse	0.1000	3
Mg	24	72	He	7914.314	ppb	1.0	427613.10	10.6615	Pulse	0.1000	3
Al	27	72	He	3.486	ppb	86.4	106.67	0.0027	Pulse	0.1000	3
K	39	72	He	197.660	ppb	10.6	12272.18	0.3060	Pulse	0.1000	3
Ca	44	72	He	58347.058	ppb	1.1	102496.53	2.5555	Pulse	0.1000	3
Ti	47	45	He	0.644	ppb	174.1	23.33	0.0011	Pulse	0.1000	3
V	51	72	He	0.456	ppb	7.0	939.37	0.0234	Pulse	0.5000	3
Cr	52	72	He	-0.097	ppb	N/A	1556.79	0.0388	Pulse	0.1000	3
Mn	55	72	He	49.951	ppb	1.6	17113.82	0.4267	Pulse	0.1000	3
Fe	57	72	He	40.040	ppb	15.7	740.04	0.0185	Pulse	0.1000	3
Co	59	72	He	0.164	ppb	7.1	360.02	0.0090	Pulse	0.1000	3
Ni	60	159	He	0.803	ppb	40.5	773.38	0.0037	Pulse	0.1000	3
Cu	63	72	He	0.217	ppb	13.1	483.36	0.0120	Pulse	0.1000	3
Zn	66	72	He	7.064	ppb	18.3	1093.41	0.0273	Pulse	0.1000	3
As	75	115	He	0.476	ppb	34.4	75.33	0.0019	Pulse	0.5000	3
Sr	88	115	He	66.025	ppb	2.3	27306.85	0.6702	Pulse	0.1000	3
Mo	98	159	He	0.499	ppb	1.4	560.03	0.0027	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	100.5	33.33	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.007	ppb	59.4	3.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.120	ppb	N/A	3047.12	0.0146	Pulse	0.1000	3
Sb	121	209	He	0.057	ppb	38.5	53.33	0.0003	Pulse	0.1000	3
Ba	137	159	He	10.948	ppb	7.7	2680.38	0.0129	Pulse	0.1000	3
Tl	205	209	He	0.009	ppb	55.8	146.67	0.0008	Pulse	0.1000	3
Pb	208	209	He	0.033	ppb	22.0	623.36	0.0034	Pulse	0.1000	3
U	238	209	He	0.117	ppb	16.0	1380.13	0.0074	Pulse	0.1000	3

ISTD Table:

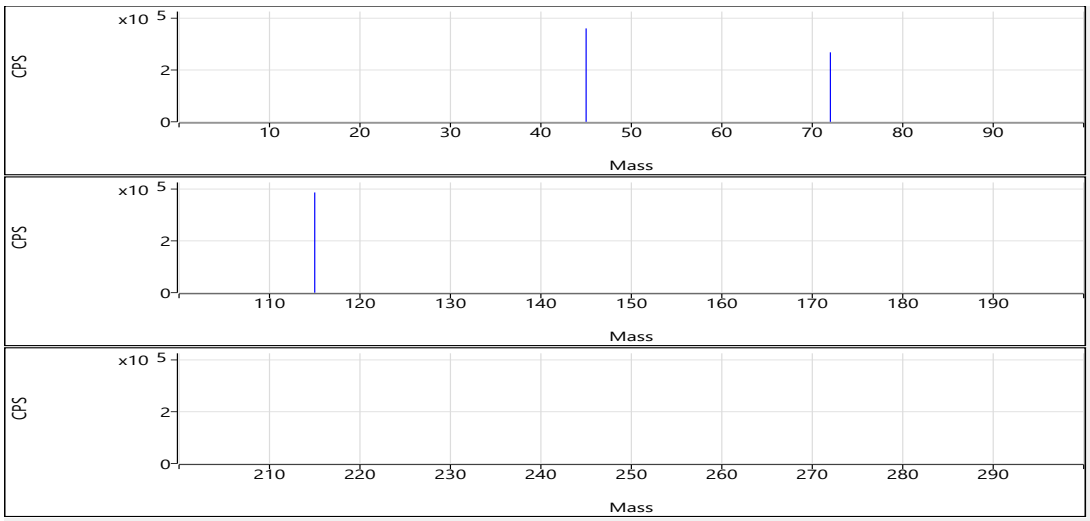
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	350230.75	0.2	151.2	Pulse	0.1000	3
No Gas	Ge	72	231939.80	1.6	140.7	Pulse	0.1000	3
H2	Sc	45	362378.95	0.5	106.1	Pulse	0.1000	3
H2	Ge	72	269541.12	0.3	109.8	Pulse	0.1000	3
H2	In	115	388832.73	0.3	99.7	Pulse	0.1000	3
He	Sc	45	21459.58	3.2	108.6	Pulse	0.1000	3
He	Ge	72	40110.10	0.8	107.1	Pulse	0.1000	3
He	In	115	40756.32	1.9	106.8	Pulse	0.1000	3
He	Tb	159	208107.15	1.4	106.3	Pulse	0.1000	3
He	Bi	209	185790.00	0.5	103.5	Pulse	0.1000	3

No Gas

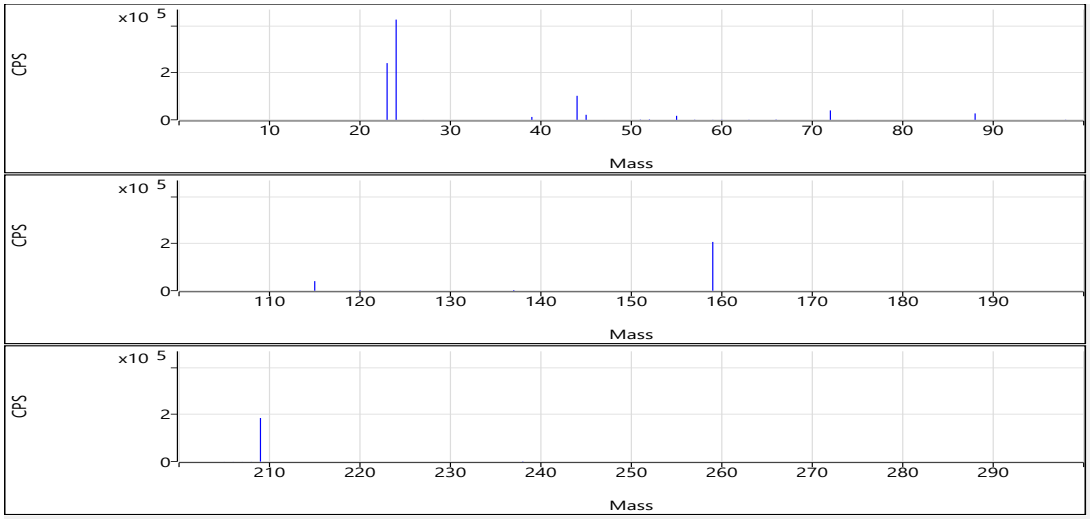


H2



Quantitation Report

He



Quantitation Report

Data File Name	154_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 22:11:09
Sample Name	CCV 7799630
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

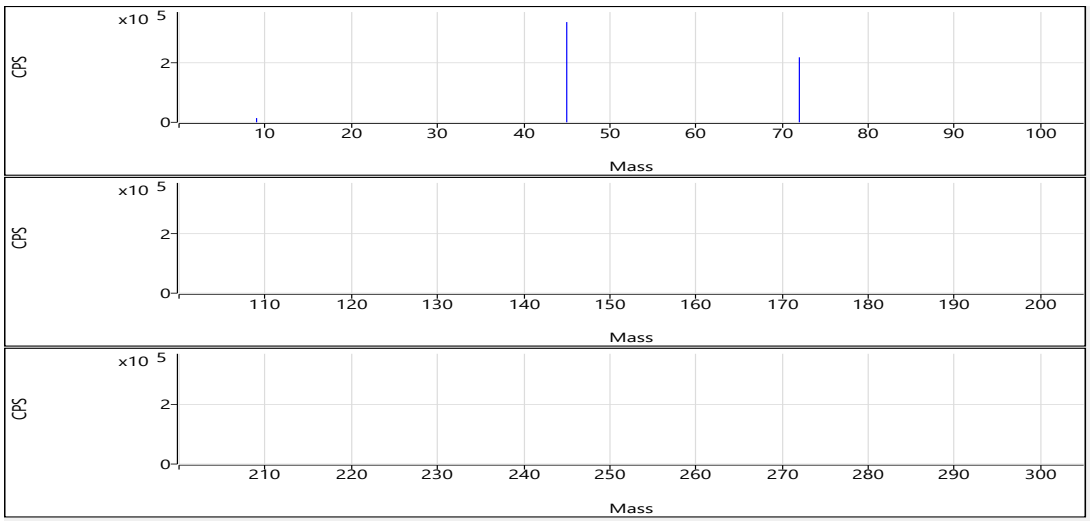
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	56.734	ppb	2.6	14208.74	0.0421	Pulse	0.5000	3
Se	78	72	H2	49.765	ppb	1.1	5219.39	0.0204	Pulse	1.5000	3
Na	23	72	He	5316.482	ppb	2.6	542363.73	14.0328	Pulse	0.1000	3
Mg	24	72	He	5034.297	ppb	2.2	262254.22	6.7852	Pulse	0.1000	3
Al	27	72	He	5039.082	ppb	1.5	78527.46	2.0315	Pulse	0.1000	3
K	39	72	He	5161.464	ppb	2.5	156466.38	4.0483	Pulse	0.1000	3
Ca	44	72	He	5465.305	ppb	0.4	9319.94	0.2411	Pulse	0.1000	3
Ti	47	45	He	4934.221	ppb	0.9	64736.61	3.0556	Pulse	0.1000	3
V	51	72	He	502.824	ppb	1.7	282630.48	7.3119	Pulse	0.5000	3
Cr	52	72	He	502.312	ppb	1.1	374327.80	9.6833	Pulse	0.1000	3
Mn	55	72	He	500.396	ppb	1.5	164522.68	4.2562	Pulse	0.1000	3
Fe	57	72	He	4911.724	ppb	1.2	74956.55	1.9390	Pulse	0.1000	3
Co	59	72	He	503.375	ppb	2.4	718573.95	18.5917	Pulse	0.1000	3
Ni	60	159	He	497.779	ppb	0.5	198102.73	0.9636	Pulse	0.1000	3
Cu	63	72	He	499.518	ppb	1.9	565964.32	14.6422	Pulse	0.1000	3
Zn	66	72	He	511.588	ppb	1.3	68981.79	1.7845	Pulse	0.1000	3
As	75	115	He	490.140	ppb	0.9	42472.32	1.0624	Pulse	0.5000	3
Sr	88	115	He	52.491	ppb	2.7	21313.30	0.5331	Pulse	0.1000	3
Mo	98	159	He	50.203	ppb	0.9	52176.83	0.2538	Pulse	0.1000	3
Ag	107	115	He	48.586	ppb	2.0	113982.74	2.8514	Pulse	0.1000	3
Cd	111	115	He	48.190	ppb	2.9	13095.47	0.3277	Pulse	0.5000	3
Sn	120	159	He	53.137	ppb	1.5	45554.89	0.2216	Pulse	0.1000	3
Sb	121	209	He	53.146	ppb	1.8	36274.67	0.1985	Pulse	0.1000	3
Ba	137	159	He	511.146	ppb	1.4	121585.62	0.5914	Pulse	0.1000	3
Tl	205	209	He	50.318	ppb	0.5	354684.03	1.9405	Pulse	0.1000	3
Pb	208	209	He	50.532	ppb	0.4	470940.58	2.5766	Pulse	0.1000	3
U	238	209	He	49.811	ppb	0.3	564463.24	3.0883	Pulse	0.1000	3

ISTD Table:

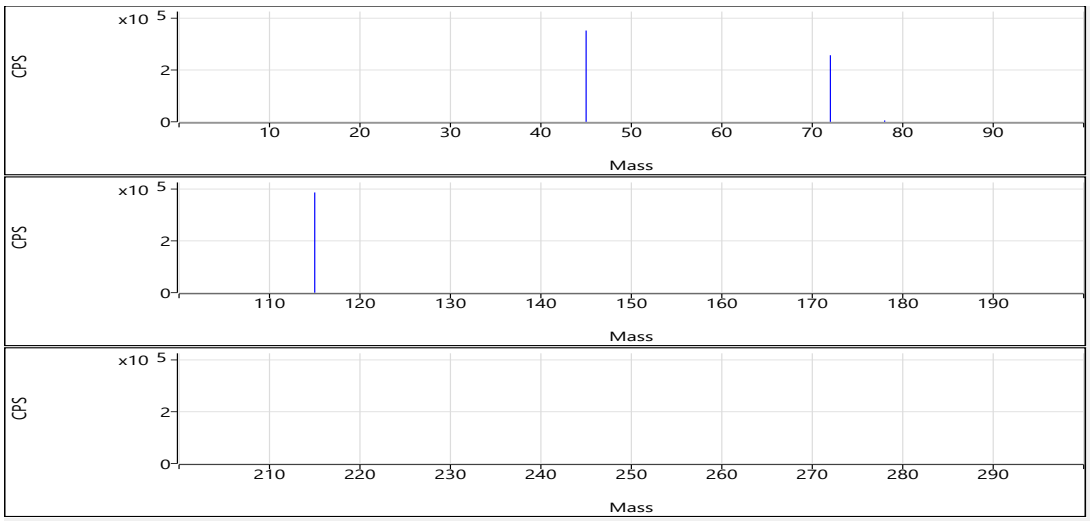
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	337831.12	0.5	145.9	Pulse	0.1000	3
No Gas	Ge	72	219108.63	1.5	132.9	Pulse	0.1000	3
H2	Sc	45	351402.09	0.8	102.9	Pulse	0.1000	3
H2	Ge	72	256334.38	0.4	104.4	Pulse	0.1000	3
H2	In	115	385872.38	0.3	98.9	Pulse	0.1000	3
He	Sc	45	21186.04	2.2	107.2	Pulse	0.1000	3
He	Ge	72	38662.84	2.1	103.2	Pulse	0.1000	3
He	In	115	39980.33	1.8	104.7	Pulse	0.1000	3
He	Tb	159	205608.00	1.6	105.1	Pulse	0.1000	3
He	Bi	209	182774.77	0.6	101.9	Pulse	0.1000	3

No Gas

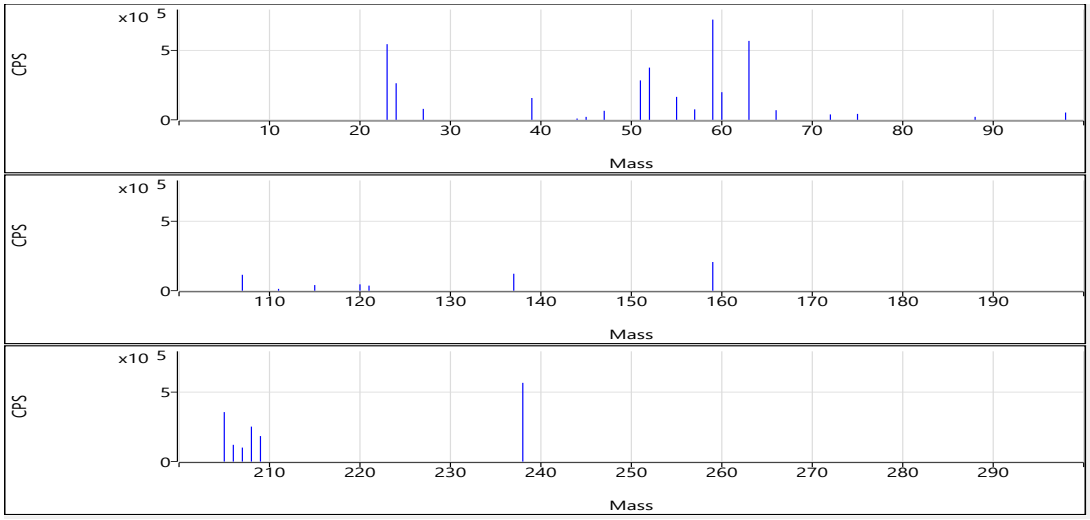


H2



Quantitation Report

He



Quantitation Report

Data File Name	156_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12B01.b
Acq Time	2025-06-12 22:15:30
Sample Name	CCB 7792565
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-06-12 22:23:27
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

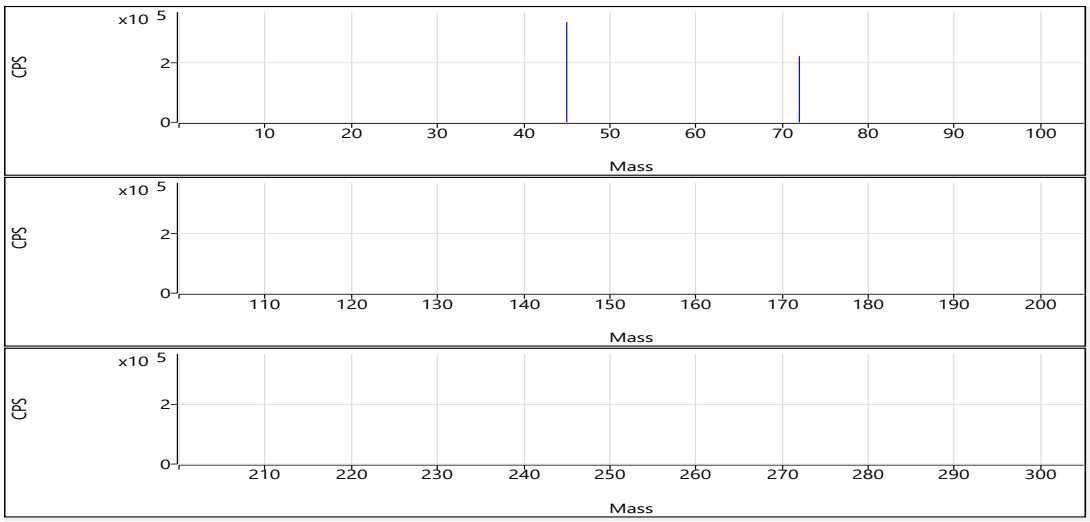
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.122	ppb	59.6	39.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.011	ppb	121.0	6.67	0.0000	Pulse	1.5000	3
Na	23	72	He	394.810	ppb	2.2	45787.72	1.1812	Pulse	0.1000	3
Mg	24	72	He	80.802	ppb	2.1	4577.52	0.1181	Pulse	0.1000	3
Al	27	72	He	-0.104	ppb	N/A	46.67	0.0012	Pulse	0.1000	3
K	39	72	He	13.028	ppb	57.8	6468.34	0.1668	Pulse	0.1000	3
Ca	44	72	He	124.428	ppb	8.9	283.34	0.0073	Pulse	0.1000	3
Ti	47	45	He	1.378	ppb	112.8	33.33	0.0015	Pulse	0.1000	3
V	51	72	He	0.198	ppb	36.2	762.69	0.0197	Pulse	0.5000	3
Cr	52	72	He	-0.044	ppb	N/A	1543.47	0.0398	Pulse	0.1000	3
Mn	55	72	He	0.396	ppb	31.7	210.01	0.0054	Pulse	0.1000	3
Fe	57	72	He	2.170	ppb	73.2	136.67	0.0035	Pulse	0.1000	3
Co	59	72	He	0.081	ppb	24.6	230.01	0.0059	Pulse	0.1000	3
Ni	60	159	He	0.586	ppb	27.1	666.71	0.0033	Pulse	0.1000	3
Cu	63	72	He	0.079	ppb	67.3	310.02	0.0080	Pulse	0.1000	3
Zn	66	72	He	0.200	ppb	137.4	130.01	0.0034	Pulse	0.1000	3
As	75	115	He	0.196	ppb	29.7	50.00	0.0012	Pulse	0.5000	3
Sr	88	115	He	0.650	ppb	20.6	313.35	0.0078	Pulse	0.1000	3
Mo	98	159	He	0.038	ppb	41.3	73.33	0.0004	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	131.1	33.33	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.005	ppb	89.8	2.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.278	ppb	N/A	2840.40	0.0140	Pulse	0.1000	3
Sb	121	209	He	0.123	ppb	34.5	96.67	0.0005	Pulse	0.1000	3
Ba	137	159	He	0.137	ppb	128.6	76.67	0.0004	Pulse	0.1000	3
Tl	205	209	He	0.012	ppb	36.0	166.68	0.0009	Pulse	0.1000	3
Pb	208	209	He	0.007	ppb	118.8	370.01	0.0020	Pulse	0.1000	3
U	238	209	He	0.025	ppb	13.9	323.35	0.0018	Pulse	0.1000	3

ISTD Table:

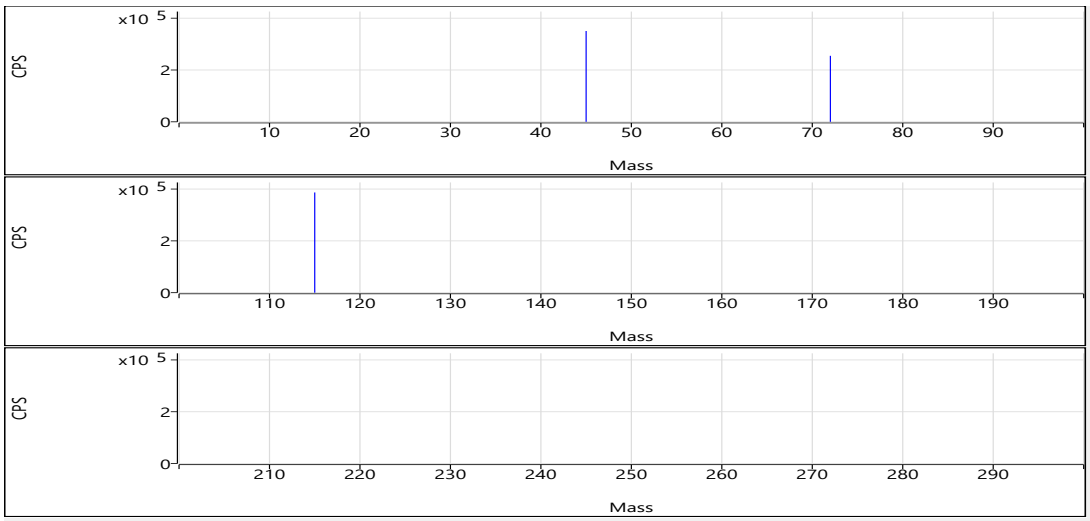
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	338635.83	1.7	146.2	Pulse	0.1000	3
No Gas	Ge	72	223278.31	0.4	135.4	Pulse	0.1000	3
H2	Sc	45	350491.86	1.2	102.6	Pulse	0.1000	3
H2	Ge	72	254718.07	0.6	103.7	Pulse	0.1000	3
H2	In	115	386803.64	0.4	99.2	Pulse	0.1000	3
He	Sc	45	21609.85	1.2	109.4	Pulse	0.1000	3
He	Ge	72	38766.38	1.6	103.5	Pulse	0.1000	3
He	In	115	40109.75	1.6	105.1	Pulse	0.1000	3
He	Tb	159	202436.34	1.0	103.5	Pulse	0.1000	3
He	Bi	209	181422.07	0.2	101.1	Pulse	0.1000	3

No Gas

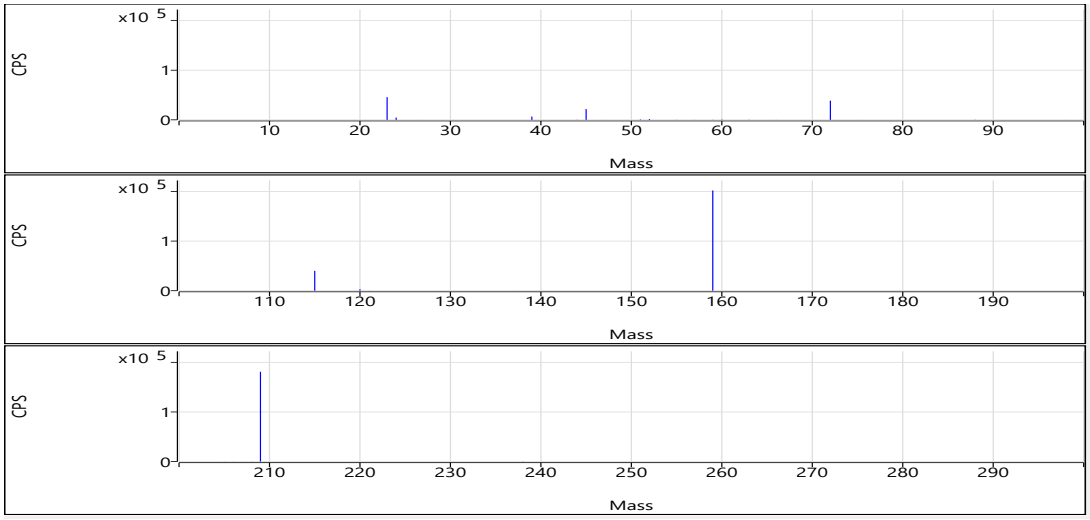


H2



Quantitation Report

He



US EPA Tune Check Report

Operator Name	us19_usr_ins21905
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25F12A00.b
Acq. Date-Time	2025-06-12 07:48:08
Report Comment	E07 Tune Report
Instrument Name	G8403A SG18254097

[No Gas]

Sensitivity

Mass	Conc. [ug/L]	Count	CPS	Resp (Required) [cps/(ug/L)]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	652	6515.13			1.919	5.000
24	10.00	4612	46123.27			0.797	5.000
25	10.00	624	6239.29			3.543	5.000
26	10.00	706	7059.20			0.981	5.000
59	10.00	5741	57414.61			1.082	5.000
115	10.00	15149	151490.95			1.151	5.000
206	10.00	6516	65161.13			1.072	5.000
207	10.00	5391	53910.21			0.819	5.000
208	10.00	13326	133258.47			0.939	5.000

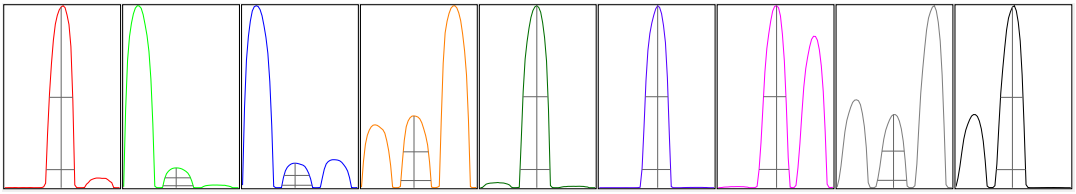
Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	673	649	649	641	645
24	4656	4640	4613	4573	4579
25	661	627	613	606	613
26	703	704	716	710	697
59	5842	5761	5708	5692	5705
115	15452	15141	15065	15032	15056
206	6638	6504	6487	6460	6492
207	5456	5384	5381	5401	5334
208	13531	13330	13230	13318	13220

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	1129.31	9.00	8.90 - 9.10	
24	7443.34	23.90	23.90 - 24.10	
25	1003.72	24.90	24.90 - 25.10	
26	1146.18	25.90	25.90 - 26.10	
59	9502.19	59.00	58.90 - 59.10	
115	27353.61	115.05	114.90 - 115.10	
206	11787.34	206.05	205.90 - 206.10	
207	9807.74	207.00	206.90 - 207.10	
208	24216.18	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.60	0.727	0.900	
24	0.66	0.776	0.900	
25	0.65	0.775	0.900	
26	0.65	0.775	0.900	
59	0.64	0.771	0.900	
115	0.58	0.737	0.900	
206	0.58	0.769	0.900	
207	0.57	0.752	0.900	
208	0.58	0.750	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	235
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.90 L/min	Dilution Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.5 V	Deflect	15.5 V
Extract 2	-180.0 V	Cell Entrance	-40 V	Plate Bias	-50 V
Omega Bias	-110 V	Cell Exit	-30 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	3.5 V

US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9995	QP Bias	-4.5 V
Mass Offset	125	Axis Offset	0.06		

Hardware Settings

Torch

Torch H	0.8 mm	Torch V	-1.0 mm		

EM

Discriminator	3.7 mV	Analog HV	2205 V	Pulse HV	1082 V

Quantitation Report

Data File Name	003CALB.d
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\25F12B00.b
Acq Time	6/12/2025 3:53:13 PM
Sample Name	ICIS 7792565
Sample Type	CalBlk
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

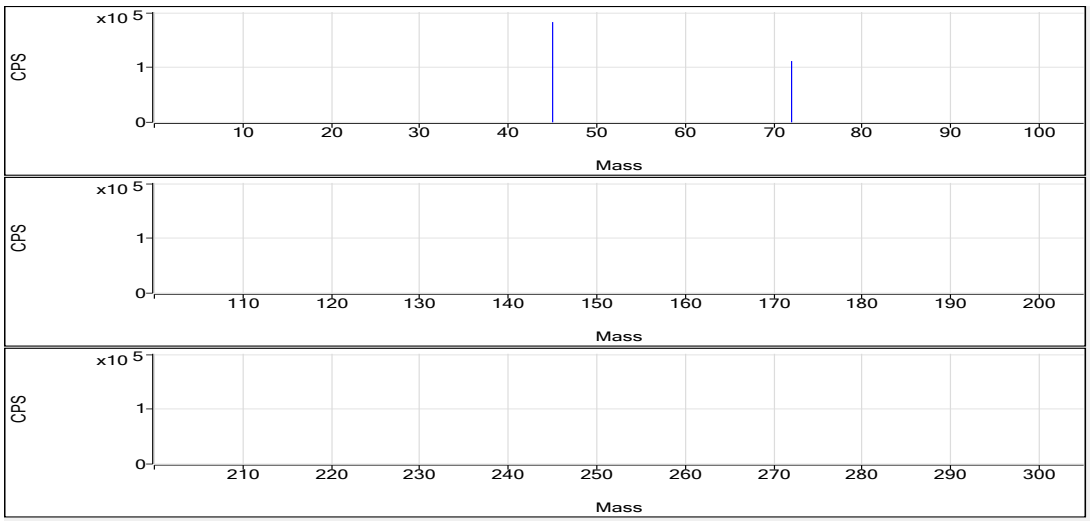
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.000	ppb	N/A	30.00	0.0002	Pulse	0.5000	3
Se	78	72	H2	0.000	ppb	N/A	2.22	0.0001	Pulse	1.5000	3
Na	23	45	He	0.000	ppb	N/A	3827.29	0.8064	Pulse	0.1000	3
Mg	24	45	He	0.000	ppb	N/A	500.02	0.1054	Pulse	0.1000	3
Al	27	45	He	0.000	ppb	N/A	43.34	0.0091	Pulse	0.1000	3
K	39	45	He	0.000	ppb	N/A	6311.57	1.3285	Pulse	0.1000	3
Ca	44	115	He	0.000	ppb	N/A	56.67	0.0049	Pulse	0.1000	3
Ti	47	72	He	0.000	ppb	N/A	0.00	0.0000	Pulse	0.1000	3
V	51	45	He	0.000	ppb	N/A	192.00	0.0404	Pulse	0.5000	3
Cr	52	72	He	0.000	ppb	N/A	813.39	0.0836	Pulse	0.1000	3
Mn	55	72	He	0.000	ppb	N/A	73.33	0.0076	Pulse	0.1000	3
Fe	57	45	He	0.000	ppb	N/A	113.34	0.0237	Pulse	0.1000	3
Co	59	72	He	0.000	ppb	N/A	96.67	0.0100	Pulse	0.1000	3
Ni	60	115	He	0.000	ppb	N/A	220.01	0.0188	Pulse	0.1000	3
Cu	63	115	He	0.000	ppb	N/A	140.01	0.0119	Pulse	0.1000	3
Zn	66	115	He	0.000	ppb	N/A	33.33	0.0028	Pulse	0.1000	3
As	75	115	He	0.000	ppb	N/A	11.33	0.0010	Pulse	0.5000	3
Sr	88	72	He	0.000	ppb	N/A	53.33	0.0055	Pulse	0.1000	3
Mo	98	159	He	0.000	ppb	N/A	96.67	0.0019	Pulse	0.1000	3
Ag	107	72	He	0.000	ppb	N/A	23.33	0.0024	Pulse	0.1000	3
Cd	111	72	He	0.000	ppb	N/A	0.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	0.000	ppb	N/A	1803.52	0.0361	Pulse	0.1000	3
Sb	121	159	He	0.000	ppb	N/A	40.00	0.0008	Pulse	0.1000	3
Ba	137	159	He	0.000	ppb	N/A	36.67	0.0007	Pulse	0.1000	3
Tl	205	159	He	0.000	ppb	N/A	136.67	0.0027	Pulse	0.1000	3
Pb	208	159	He	0.000	ppb	N/A	316.68	0.0064	Pulse	0.1000	3
U	238	159	He	0.000	ppb	N/A	26.67	0.0005	Pulse	0.1000	3

ISTD Table:

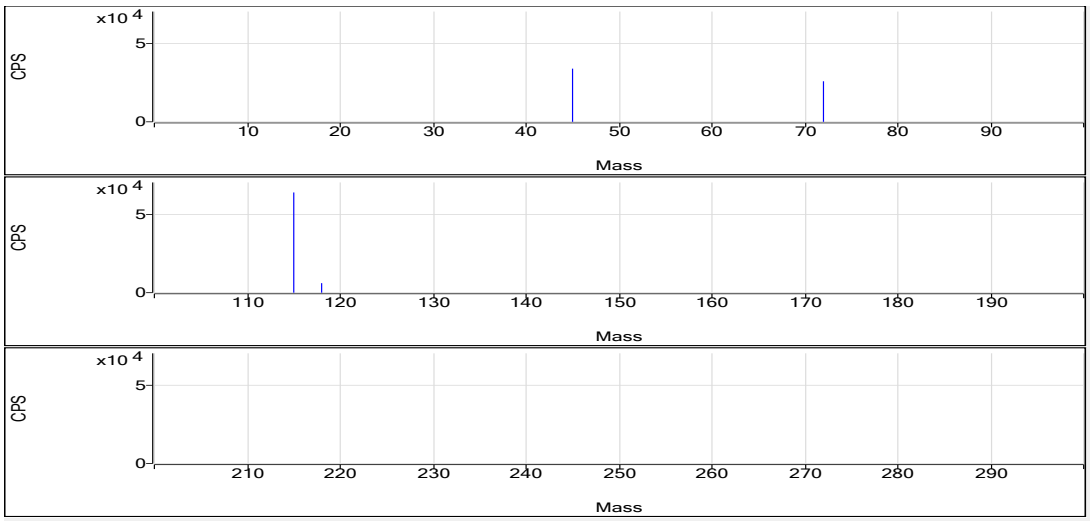
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	183268.21	0.3	100.0	Pulse	0.1000	3
No Gas	Ge	72	111986.63	1.5	100.0	Pulse	0.1000	3
H2	Sc	45	33913.62	2.2	100.0	Pulse	0.1000	3
H2	Ge	72	25864.16	3.7	100.0	Pulse	0.1000	3
H2	In	115	63934.73	2.3	100.0	Pulse	0.1000	3
He	Sc	45	4754.27	2.7	100.0	Pulse	0.1000	3
He	Ge	72	9730.30	1.7	100.0	Pulse	0.1000	3
He	In	115	11711.49	3.0	100.0	Pulse	0.1000	3
He	Tb	159	49889.57	1.5	100.0	Pulse	0.1000	3
He	Bi	209	40885.18	0.9	100.0	Pulse	0.1000	3

No Gas

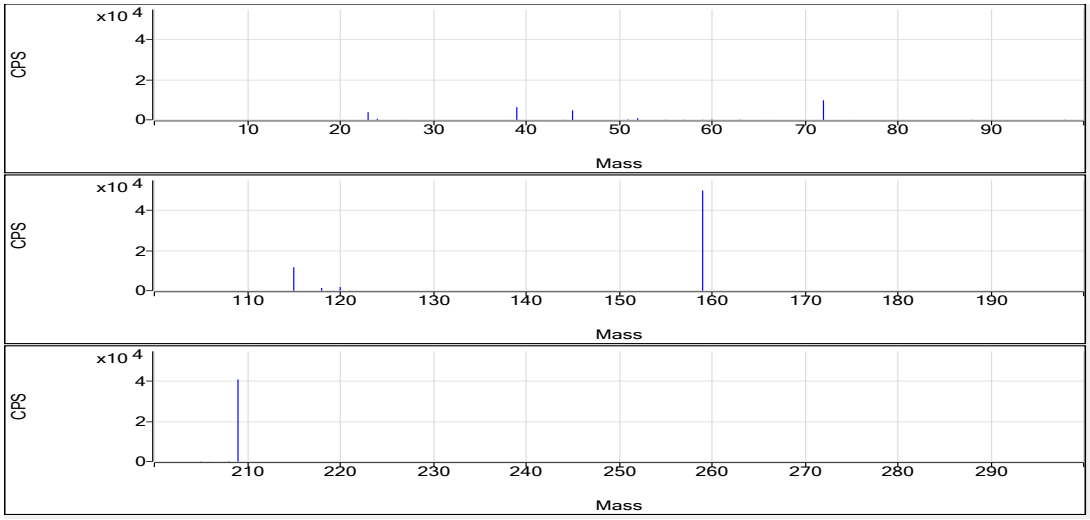


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	-0.019	0.0001	18.00	0.0035	0.0001638
Be	9	1	No Gas	-0.003	0.0002	28.00	0.0035	0.0001638
Be	9	1	No Gas	0.022	0.0002	44.00	0.0035	0.0001638
Se	78	2	H2	-0.002	0.0001	2.00	0.0035	8.664E-05
Se	78	2	H2	0.013	0.0001	3.33	0.0035	8.664E-05
Se	78	2	H2	-0.011	0	1.33	0.0035	8.664E-05
Na	23	3	He	3.387	0.8797	4170.72	0.0216	0.8064
Na	23	3	He	-4.946	0.6994	3420.51	0.0216	0.8064
Na	23	3	He	1.559	0.8401	3890.63	0.0216	0.8064
Mg	24	3	He	1.169	0.1181	560.03	0.0109	0.1054
Mg	24	3	He	-1.604	0.0879	430.02	0.0109	0.1054
Mg	24	3	He	0.435	0.1101	510.02	0.0109	0.1054
Al	27	3	He	-1.319	0.0042	20.00	0.0037	0.009095
Al	27	3	He	0.858	0.0123	60.00	0.0037	0.009095
Al	27	3	He	0.461	0.0108	50.01	0.0037	0.009095
K	39	3	He	3.072	1.3587	6441.65	0.0099	1.328
K	39	3	He	-6.35	1.2659	6191.53	0.0099	1.328
K	39	3	He	3.278	1.3608	6301.53	0.0099	1.328
Ca	44	3	He	1.346	0.0052	60.00	0.0002	0.004867
Ca	44	3	He	-7.123	0.0033	40.00	0.0002	0.004867
Ca	44	3	He	5.777	0.0061	70.00	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	0.032	0.0456	216.00	0.1638	0.04039
V	51	3	He	-0.014	0.038	186.00	0.1638	0.04039
V	51	3	He	-0.017	0.0376	174.00	0.1638	0.04039
Cr	52	3	He	-0.058	0.0775	760.05	0.1041	0.08357
Cr	52	3	He	-0.018	0.0817	780.05	0.1041	0.08357
Cr	52	3	He	0.076	0.0914	900.06	0.1041	0.08357
Mn	55	3	He	-0.088	0.0031	30.00	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.057	0.0105	100.00	0.0509	0.00756
Mn	55	3	He	0.031	0.0091	90.00	0.0509	0.00756
Fe	57	3	He	-1.655	0.0169	80.00	0.0041	0.02373
Fe	57	3	He	2.171	0.0327	160.01	0.0041	0.02373
Fe	57	3	He	-0.515	0.0216	100.00	0.0041	0.02373
Co	59	3	He	-0.009	0.0082	80.00	0.1966	0.009981
Co	59	3	He	0.024	0.0147	140.01	0.1966	0.009981
Co	59	3	He	-0.015	0.0071	70.00	0.1966	0.009981
Ni	60	3	He	0.143	0.0249	290.01	0.0432	0.01878
Ni	60	3	He	-0.033	0.0174	210.01	0.0432	0.01878
Ni	60	3	He	-0.11	0.014	160.01	0.0432	0.01878
Cu	63	3	He	-0.013	0.0103	120.00	0.1222	0.01194
Cu	63	3	He	0.011	0.0132	160.01	0.1222	0.01194
Cu	63	3	He	0.003	0.0123	140.01	0.1222	0.01194
Zn	66	3	He	0.146	0.0052	60.00	0.0159	0.002839
Zn	66	3	He	-0.023	0.0025	30.00	0.0159	0.002839
Zn	66	3	He	-0.123	0.0009	10.00	0.0159	0.002839
As	75	3	He	0.018	0.0012	14.00	0.0132	0.0009658
As	75	3	He	0.002	0.001	12.00	0.0132	0.0009658
As	75	3	He	-0.02	0.0007	8.00	0.0132	0.0009658
Sr	88	3	He	0.008	0.0061	60.00	0.0864	0.005458
Sr	88	3	He	-0.027	0.0031	30.00	0.0864	0.005458
Sr	88	3	He	0.019	0.0071	70.00	0.0864	0.005458
Mo	98	3	He	0.009	0.0022	110.01	0.0303	0.001942
Mo	98	3	He	0.01	0.0022	110.01	0.0303	0.001942
Mo	98	3	He	-0.019	0.0014	70.00	0.0303	0.001942
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Ag	107	3	He	0.008	0.0052	50.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Sn	120	3	He	0.046	0.0374	1860.20	0.0284	0.03615
Sn	120	3	He	-0.043	0.0349	1720.17	0.0284	0.03615
Sn	120	3	He	-0.002	0.0361	1830.19	0.0284	0.03615
Sb	121	3	He	-0.015	0.0004	20.00	0.0262	0.000803
Sb	121	3	He	0.016	0.0012	60.00	0.0262	0.000803
Sb	121	3	He	-0.001	0.0008	40.00	0.0262	0.000803
Ba	137	3	He	0.007	0.0008	40.00	0.0098	0.0007342
Ba	137	3	He	-0.013	0.0006	30.00	0.0098	0.0007342
Ba	137	3	He	0.006	0.0008	40.00	0.0098	0.0007342
Tl	205	3	He	0.002	0.0032	160.01	0.1945	0.002744
Tl	205	3	He	0.001	0.0028	140.01	0.1945	0.002744
Tl	205	3	He	-0.003	0.0022	110.00	0.1945	0.002744
Pb	208	3	He	0.003	0.007	210.01	0.2651	0.006358
Pb	208	3	He	0.002	0.0069	180.01	0.2651	0.006358
Pb	208	3	He	-0.005	0.0051	130.01	0.2651	0.006358
U	238	3	He	0	0.0006	30.00	0.3022	0.0005338
U	238	3	He	0	0.0004	20.00	0.3022	0.0005338
U	238	3	He	0	0.0006	30.00	0.3022	0.0005338
Sc	45	1	No Gas			183941.13		
Sc	45	1	No Gas			182683.65		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			183179.84		
Ge	72	1	No Gas			111977.58		
Ge	72	1	No Gas			110343.73		
Ge	72	1	No Gas			113638.58		
Sc	45	2	H2			34441.68		
Sc	45	2	H2			34220.81		
Sc	45	2	H2			33078.38		
Ge	72	2	H2			25353.11		
Ge	72	2	H2			25283.25		
Ge	72	2	H2			26956.12		
In	115	2	H2			65244.10		
In	115	2	H2			64179.35		
In	115	2	H2			62380.74		
Sc	45	3	He			4740.94		
Sc	45	3	He			4890.98		
Sc	45	3	He			4630.90		
Ge	72	3	He			9803.67		
Ge	72	3	He			9543.51		
Ge	72	3	He			9843.73		
In	115	3	He			11635.23		
In	115	3	He			12105.76		
In	115	3	He			11425.08		
Tb	159	3	He			49681.79		
Tb	159	3	He			49260.96		
Tb	159	3	He			50725.95		
Bi	209	3	He			40514.34		
Bi	209	3	He			41225.93		
Bi	209	3	He			40915.28		

Quantitation Report

Data File Name	004CALS.d
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Acq Time	6/12/2025 3:55:30 PM
Sample Name	STD1 7875748
Sample Type	CalStd
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

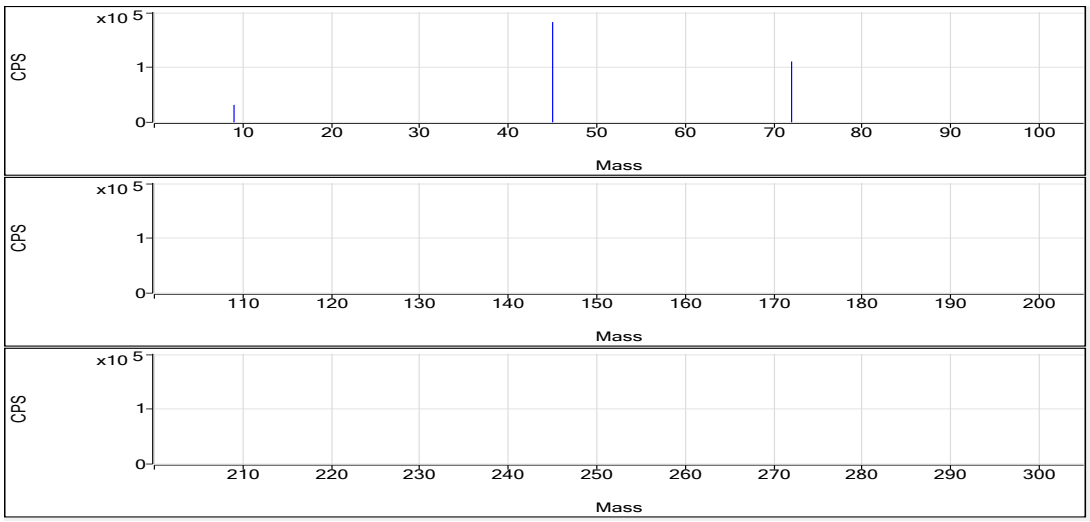
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.000	ppb	1.9	31847.81	0.1739	Pulse	0.5000	3
Se	78	72	H2	50.000	ppb	1.8	4525.17	0.1766	Pulse	1.5000	3
Na	23	45	He	5000.000	ppb	6.5	522812.45	109.0376	Pulse	0.1000	3
Mg	24	45	He	5000.000	ppb	5.6	261726.74	54.5633	Pulse	0.1000	3
Al	27	45	He	5000.000	ppb	6.4	88673.41	18.4933	Pulse	0.1000	3
K	39	45	He	5000.000	ppb	6.6	242545.06	50.5852	Pulse	0.1000	3
Ca	44	115	He	5000.000	ppb	1.9	12949.51	1.0999	Pulse	0.1000	3
Ti	47	72	He	5000.000	ppb	5.2	95255.03	10.1896	Pulse	0.1000	3
V	51	45	He	500.000	ppb	6.4	392951.08	81.9549	Pulse	0.5000	3
Cr	52	72	He	500.000	ppb	5.0	487502.06	52.1452	Pulse	0.1000	3
Mn	55	72	He	500.000	ppb	5.1	237934.95	25.4509	Pulse	0.1000	3
Fe	57	45	He	5000.000	ppb	8.1	99300.22	20.7238	Pulse	0.1000	3
Co	59	72	He	500.000	ppb	4.7	919416.86	98.3342	Pulse	0.1000	3
Ni	60	115	He	500.000	ppb	1.7	254200.59	21.5973	Pulse	0.1000	3
Cu	63	115	He	500.000	ppb	1.3	719085.46	61.0927	Pulse	0.1000	3
Zn	66	115	He	500.000	ppb	1.9	93869.92	7.9756	Pulse	0.1000	3
As	75	115	He	500.000	ppb	2.1	77911.97	6.6198	Pulse	0.5000	3
Sr	88	72	He	50.000	ppb	6.8	40405.52	4.3244	Pulse	0.1000	3
Mo	98	159	He	50.000	ppb	4.0	77296.27	1.5186	Pulse	0.1000	3
Ag	107	72	He	50.000	ppb	4.3	163731.14	17.5095	Pulse	0.1000	3
Cd	111	72	He	50.000	ppb	5.4	21224.13	2.2704	Pulse	0.5000	3
Sn	120	159	He	50.000	ppb	3.2	74195.77	1.4575	Pulse	0.1000	3
Sb	121	159	He	50.000	ppb	0.3	66627.58	1.3083	Pulse	0.1000	3
Ba	137	159	He	500.000	ppb	0.7	250238.88	4.9141	Pulse	0.1000	3
Tl	205	159	He	50.000	ppb	1.7	495306.93	9.7273	Pulse	0.1000	3
Pb	208	159	He	50.000	ppb	1.5	675344.93	13.2631	Pulse	0.1000	3
U	238	159	He	50.000	ppb	1.6	769288.71	15.1089	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	183119.72	0.7	99.9	Pulse	0.1000	3
No Gas	Ge	72	111152.74	0.8	99.3	Pulse	0.1000	3
H2	Sc	45	33232.00	1.3	98.0	Pulse	0.1000	3
H2	Ge	72	25623.74	0.7	99.1	Pulse	0.1000	3
H2	In	115	66335.65	1.6	103.8	Pulse	0.1000	3
He	Sc	45	4807.64	6.3	101.1	Pulse	0.1000	3
He	Ge	72	9363.44	4.7	96.2	Pulse	0.1000	3
He	In	115	11771.90	1.5	100.5	Pulse	0.1000	3
He	Tb	159	50926.91	2.0	102.1	Pulse	0.1000	3
He	Bi	209	41844.30	1.4	102.3	Pulse	0.1000	3

No Gas



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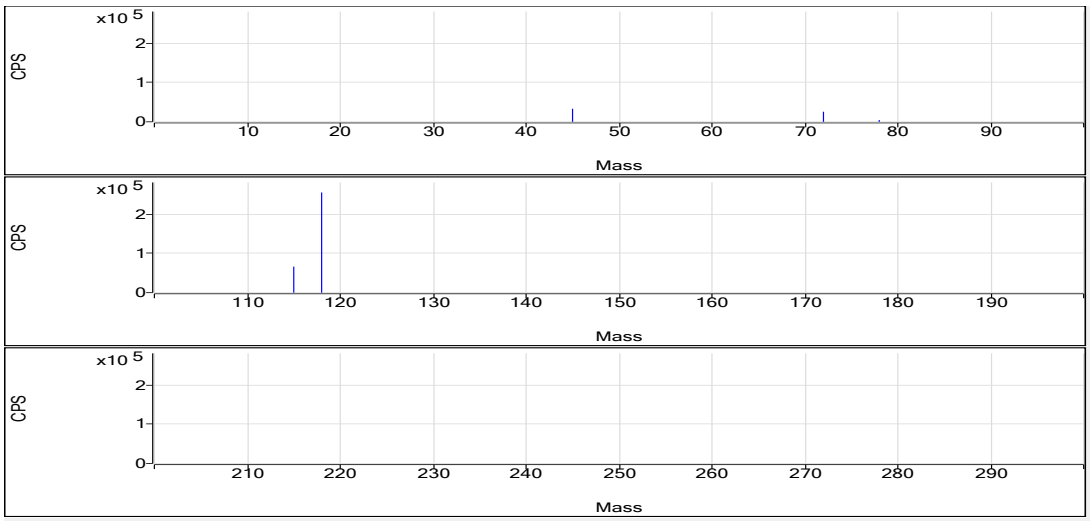
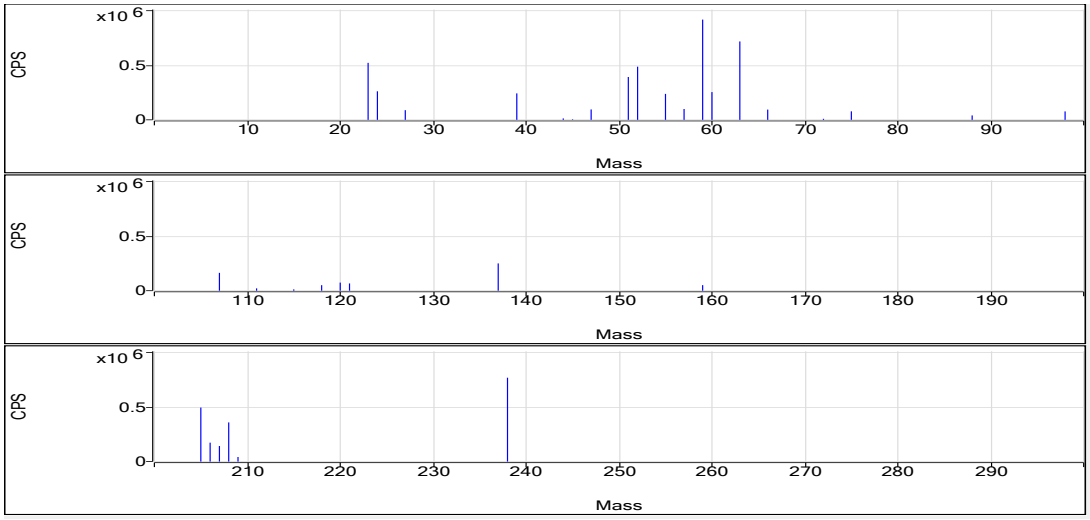


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	49.194	0.1711	31539.16	0.0035	0.0001638
Be	9	1	No Gas	51.065	0.1776	32278.76	0.0035	0.0001638
Be	9	1	No Gas	49.74	0.173	31725.52	0.0035	0.0001638
Se	78	2	H2	49.217	0.1738	4489.38	0.0035	8.664E-05
Se	78	2	H2	49.821	0.176	4488.04	0.0035	8.664E-05
Se	78	2	H2	50.962	0.18	4598.08	0.0035	8.664E-05
Na	23	3	He	4828.967	105.3354	526783.47	0.0216	0.8064
Na	23	3	He	4796.511	104.6329	519086.79	0.0216	0.8064
Na	23	3	He	5374.523	117.1447	522567.10	0.0216	0.8064
Mg	24	3	He	4897.189	53.4435	267271.58	0.0109	0.1054
Mg	24	3	He	4784.053	52.2113	259021.75	0.0109	0.1054
Mg	24	3	He	5318.758	58.0351	258886.89	0.0109	0.1054
Al	27	3	He	4763.463	17.6189	88112.31	0.0037	0.009095
Al	27	3	He	4872.744	18.0229	89412.13	0.0037	0.009095
Al	27	3	He	5363.793	19.8382	88495.78	0.0037	0.009095
K	39	3	He	4822.702	48.8386	244242.42	0.0099	1.328
K	39	3	He	4795.454	48.5702	240958.18	0.0099	1.328
K	39	3	He	5381.844	54.3469	242434.57	0.0099	1.328
Ca	44	3	He	4908.598	1.0799	12515.80	0.0002	0.004867
Ca	44	3	He	4996.351	1.0991	13116.32	0.0002	0.004867
Ca	44	3	He	5095.051	1.1207	13216.40	0.0002	0.004867
Ti	47	3	He	5285.887	10.7722	95583.46	0.002	0
Ti	47	3	He	4938.456	10.0642	95644.48	0.002	0
Ti	47	3	He	4775.657	9.7324	94537.16	0.002	0
V	51	3	He	479.56	78.6062	393110.28	0.1638	0.04039
V	51	3	He	483.333	79.2243	393033.97	0.1638	0.04039
V	51	3	He	537.108	88.0342	392709.00	0.1638	0.04039
Cr	52	3	He	528.204	55.0819	488750.66	0.1041	0.08357
Cr	52	3	He	490.889	51.1965	486544.76	0.1041	0.08357
Cr	52	3	He	480.908	50.1572	487210.77	0.1041	0.08357
Mn	55	3	He	529.343	26.9441	239079.51	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	487.372	24.8084	235765.70	0.0509	0.00756
Mn	55	3	He	483.285	24.6003	238959.64	0.0509	0.00756
Fe	57	3	He	4808.389	19.9305	99672.71	0.0041	0.02373
Fe	57	3	He	4725.59	19.5877	97175.31	0.0041	0.02373
Fe	57	3	He	5466.021	22.6531	101052.63	0.0041	0.02373
Co	59	3	He	526.926	103.6291	919518.66	0.1966	0.009981
Co	59	3	He	488.842	96.1399	913663.89	0.1966	0.009981
Co	59	3	He	484.233	95.2336	925068.03	0.1966	0.009981
Ni	60	3	He	509.306	21.999	254961.87	0.0432	0.01878
Ni	60	3	He	493.009	21.2956	254129.76	0.0432	0.01878
Ni	60	3	He	497.686	21.4975	253510.13	0.0432	0.01878
Cu	63	3	He	507.238	61.9768	718294.05	0.1222	0.01194
Cu	63	3	He	494.486	60.419	721006.24	0.1222	0.01194
Cu	63	3	He	498.277	60.8821	717956.08	0.1222	0.01194
Zn	66	3	He	509.815	8.1321	94248.48	0.0159	0.002839
Zn	66	3	He	490.478	7.8237	93364.08	0.0159	0.002839
Zn	66	3	He	499.707	7.9709	93997.21	0.0159	0.002839
As	75	3	He	511.589	6.7732	78499.84	0.0132	0.0009658
As	75	3	He	491.213	6.5035	77608.98	0.0132	0.0009658
As	75	3	He	497.198	6.5827	77627.10	0.0132	0.0009658
Sr	88	3	He	53.915	4.6625	41371.50	0.0864	0.005458
Sr	88	3	He	48.466	4.1918	39837.11	0.0864	0.005458
Sr	88	3	He	47.619	4.1187	40007.95	0.0864	0.005458
Mo	98	3	He	50.393	1.5305	77343.08	0.0303	0.001942
Mo	98	3	He	51.75	1.5716	78871.14	0.0303	0.001942
Mo	98	3	He	47.857	1.4536	75674.58	0.0303	0.001942
Ag	107	3	He	52.455	18.3691	162991.78	0.3501	0.002425
Ag	107	3	He	49.064	17.1816	163285.07	0.3501	0.002425
Ag	107	3	He	48.481	16.9778	164916.58	0.3501	0.002425
Cd	111	3	He	53.099	2.4111	21394.40	0.0454	6.986E-05
Cd	111	3	He	48.593	2.2065	20969.75	0.0454	6.986E-05
Cd	111	3	He	48.309	2.1936	21308.23	0.0454	6.986E-05
Sn	120	3	He	49.96	1.4563	73596.31	0.0284	0.03615
Sn	120	3	He	51.629	1.5038	75465.49	0.0284	0.03615
Sn	120	3	He	48.411	1.4123	73525.50	0.0284	0.03615
Sb	121	3	He	49.917	1.3062	66007.69	0.0262	0.000803
Sb	121	3	He	50.168	1.3127	65877.27	0.0262	0.000803
Sb	121	3	He	49.915	1.3061	67997.78	0.0262	0.000803
Ba	137	3	He	500.288	4.9169	248479.29	0.0098	0.0007342
Ba	137	3	He	503.251	4.9461	248213.43	0.0098	0.0007342
Ba	137	3	He	496.461	4.8793	254023.92	0.0098	0.0007342
Tl	205	3	He	49.531	9.636	486959.52	0.1945	0.002744
Tl	205	3	He	51.001	9.922	497927.26	0.1945	0.002744
Tl	205	3	He	49.468	9.6239	501034.02	0.1945	0.002744
Pb	208	3	He	49.764	13.2007	355312.38	0.2651	0.006358
Pb	208	3	He	50.827	13.4823	359710.74	0.2651	0.006358
Pb	208	3	He	49.409	13.1064	362553.59	0.2651	0.006358
U	238	3	He	50.118	15.1447	765341.47	0.3022	0.0005338
U	238	3	He	50.755	15.3369	769670.14	0.3022	0.0005338
U	238	3	He	49.127	14.8451	772854.52	0.3022	0.0005338
Sc	45	1	No Gas			184294.90		
Sc	45	1	No Gas			181713.04		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			183351.21		
Ge	72	1	No Gas			110302.77		
Ge	72	1	No Gas			112005.32		
Ge	72	1	No Gas			111150.14		
Sc	45	2	H2			32777.77		
Sc	45	2	H2			33298.92		
Sc	45	2	H2			33619.31		
Ge	72	2	H2			25823.91		
Ge	72	2	H2			25503.58		
Ge	72	2	H2			25543.74		
In	115	2	H2			66408.63		
In	115	2	H2			65223.51		
In	115	2	H2			67374.80		
Sc	45	3	He			5001.01		
Sc	45	3	He			4961.03		
Sc	45	3	He			4460.87		
Ge	72	3	He			8873.17		
Ge	72	3	He			9503.48		
Ge	72	3	He			9713.67		
In	115	3	He			11985.52		
In	115	3	He			12325.87		
In	115	3	He			12185.62		
Tb	159	3	He			50535.36		
Tb	159	3	He			50184.15		
Tb	159	3	He			52061.22		
Bi	209	3	He			42248.98		
Bi	209	3	He			41155.46		
Bi	209	3	He			42128.47		

Quantitation Report

Data File Name	005_ICV.d
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Sample Name	ICV 7829974
Sample Type	ICV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

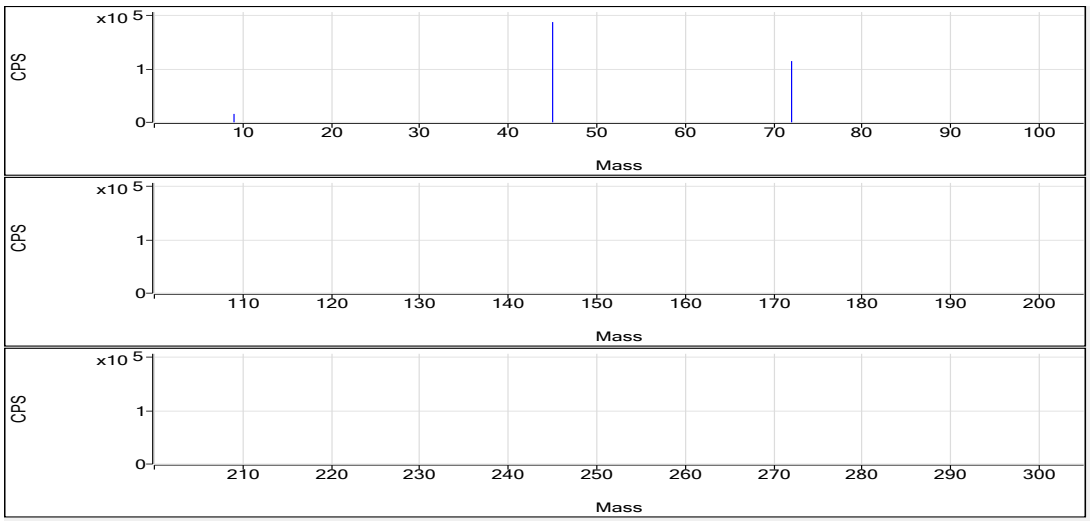
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	24.021	ppb	2.2	15714.30	0.0836	Pulse	0.5000	3
Se	78	72	H2	24.366	ppb	3.4	2270.18	0.0861	Pulse	1.5000	3
Na	23	45	He	2316.791	ppb	3.6	259937.27	50.9562	Pulse	0.1000	3
Mg	24	45	He	2331.792	ppb	1.6	130133.86	25.5023	Pulse	0.1000	3
Al	27	45	He	2291.242	ppb	3.7	43254.24	8.4795	Pulse	0.1000	3
K	39	45	He	2320.635	ppb	4.3	123392.22	24.1899	Pulse	0.1000	3
Ca	44	115	He	2485.011	ppb	6.8	6638.39	0.5491	Pulse	0.1000	3
Ti	47	72	He	2443.520	ppb	4.6	47732.63	4.9797	Pulse	0.1000	3
V	51	45	He	231.310	ppb	3.3	193515.17	37.9357	Pulse	0.5000	3
Cr	52	72	He	239.790	ppb	5.4	239967.89	25.0513	Pulse	0.1000	3
Mn	55	72	He	243.851	ppb	4.9	118960.64	12.4163	Pulse	0.1000	3
Fe	57	45	He	2317.454	ppb	2.8	49067.51	9.6180	Pulse	0.1000	3
Co	59	72	He	240.755	ppb	4.8	453676.52	47.3541	Pulse	0.1000	3
Ni	60	115	He	236.863	ppb	6.0	123852.90	10.2411	Pulse	0.1000	3
Cu	63	115	He	239.882	ppb	6.1	354452.12	29.3162	Pulse	0.1000	3
Zn	66	115	He	243.789	ppb	4.5	47068.16	3.8902	Pulse	0.1000	3
As	75	115	He	238.005	ppb	5.9	38107.98	3.1516	Pulse	0.5000	3
Sr	88	72	He	24.108	ppb	6.0	19994.74	2.0879	Pulse	0.1000	3
Mo	98	159	He	24.613	ppb	1.7	38112.39	0.7485	Pulse	0.1000	3
Ag	107	72	He	23.786	ppb	5.5	79794.75	8.3309	Pulse	0.1000	3
Cd	111	72	He	25.671	ppb	4.6	11169.17	1.1657	Pulse	0.5000	3
Sn	120	159	He	25.499	ppb	2.6	38748.32	0.7610	Pulse	0.1000	3
Sb	121	159	He	26.665	ppb	0.7	35553.33	0.6981	Pulse	0.1000	3
Ba	137	159	He	248.315	ppb	2.4	124277.18	2.4409	Pulse	0.1000	3
Tl	205	159	He	24.527	ppb	0.5	243067.25	4.7730	Pulse	0.1000	3
Pb	208	159	He	24.512	ppb	1.5	331265.47	6.5055	Pulse	0.1000	3
U	238	159	He	25.005	ppb	0.3	384823.72	7.5562	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	187852.44	1.1	102.5	Pulse	0.1000	3
No Gas	Ge	72	114731.47	0.6	102.5	Pulse	0.1000	3
H2	Sc	45	33649.88	1.8	99.2	Pulse	0.1000	3
H2	Ge	72	26375.02	2.0	102.0	Pulse	0.1000	3
H2	In	115	65789.83	1.5	102.9	Pulse	0.1000	3
He	Sc	45	5104.41	3.0	107.4	Pulse	0.1000	3
He	Ge	72	9596.91	5.3	98.6	Pulse	0.1000	3
He	In	115	12118.35	5.6	103.5	Pulse	0.1000	3
He	Tb	159	50926.85	1.5	102.1	Pulse	0.1000	3
He	Bi	209	41680.73	2.8	101.9	Pulse	0.1000	3

No Gas



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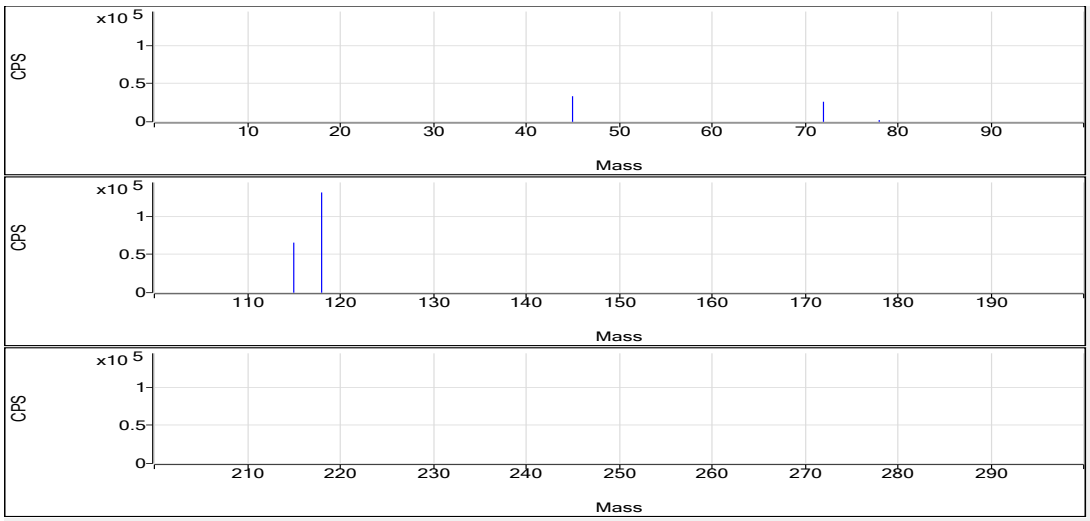
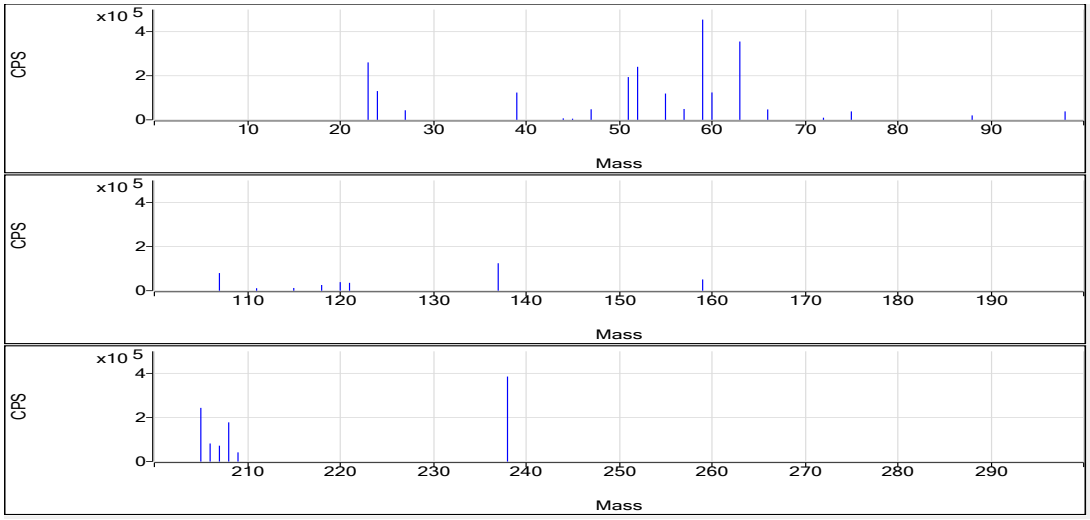


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	23.465	0.0817	15329.91	0.0035	0.0001638
Be	9	1	No Gas	24.109	0.084	15606.20	0.0035	0.0001638
Be	9	1	No Gas	24.489	0.0853	16206.80	0.0035	0.0001638
Se	78	2	H2	23.578	0.0833	2232.84	0.0035	8.664E-05
Se	78	2	H2	25.227	0.0891	2299.52	0.0035	8.664E-05
Se	78	2	H2	24.294	0.0859	2278.19	0.0035	8.664E-05
Na	23	3	He	2330.314	51.249	264499.96	0.0216	0.8064
Na	23	3	He	2392.466	52.5943	259344.68	0.0216	0.8064
Na	23	3	He	2227.593	49.0254	255967.18	0.0216	0.8064
Mg	24	3	He	2325.92	25.4383	131289.28	0.0109	0.1054
Mg	24	3	He	2371.247	25.932	127871.84	0.0109	0.1054
Mg	24	3	He	2298.208	25.1365	131240.47	0.0109	0.1054
Al	27	3	He	2304.521	8.5286	44016.60	0.0037	0.009095
Al	27	3	He	2368.124	8.7637	43214.13	0.0037	0.009095
Al	27	3	He	2201.08	8.1462	42531.99	0.0037	0.009095
K	39	3	He	2351.868	24.4976	126433.83	0.0099	1.328
K	39	3	He	2401.045	24.982	123187.29	0.0099	1.328
K	39	3	He	2208.991	23.09	120555.55	0.0099	1.328
Ca	44	3	He	2650.041	0.5853	6791.84	0.0002	0.004867
Ca	44	3	He	2491.679	0.5506	6531.62	0.0002	0.004867
Ca	44	3	He	2313.315	0.5115	6591.72	0.0002	0.004867
Ti	47	3	He	2443.478	4.9796	49765.88	0.002	0
Ti	47	3	He	2555.256	5.2074	46986.99	0.002	0
Ti	47	3	He	2331.827	4.7521	46445.02	0.002	0
V	51	3	He	230.976	37.881	195506.69	0.1638	0.04039
V	51	3	He	239.21	39.2299	193444.25	0.1638	0.04039
V	51	3	He	223.744	36.6961	191594.58	0.1638	0.04039
Cr	52	3	He	232.532	24.2955	242808.12	0.1041	0.08357
Cr	52	3	He	254.811	26.6153	240153.51	0.1041	0.08357
Cr	52	3	He	232.027	24.2429	236942.03	0.1041	0.08357
Mn	55	3	He	237.648	12.1007	120933.56	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	257.566	13.1142	118331.55	0.0509	0.00756
Mn	55	3	He	236.339	12.0341	117616.81	0.0509	0.00756
Fe	57	3	He	2276.922	9.4502	48773.31	0.0041	0.02373
Fe	57	3	He	2392.745	9.9297	48963.85	0.0041	0.02373
Fe	57	3	He	2282.694	9.4741	49465.37	0.0041	0.02373
Co	59	3	He	231.65	45.5636	455360.70	0.1966	0.009981
Co	59	3	He	253.869	49.9329	450551.24	0.1966	0.009981
Co	59	3	He	236.746	46.5658	455117.61	0.1966	0.009981
Ni	60	3	He	251.604	10.8773	126229.69	0.0432	0.01878
Ni	60	3	He	235.535	10.1838	120813.46	0.0432	0.01878
Ni	60	3	He	223.45	9.6622	124515.55	0.0432	0.01878
Cu	63	3	He	251.462	30.7309	356628.86	0.1222	0.01194
Cu	63	3	He	244.863	29.9248	355007.34	0.1222	0.01194
Cu	63	3	He	223.32	27.293	351720.15	0.1222	0.01194
Zn	66	3	He	248.055	3.9582	45934.39	0.0159	0.002839
Zn	66	3	He	252.087	4.0225	47719.96	0.0159	0.002839
Zn	66	3	He	231.225	3.6898	47550.14	0.0159	0.002839
As	75	3	He	249.352	3.3018	38317.18	0.0132	0.0009658
As	75	3	He	242.45	3.2105	38086.60	0.0132	0.0009658
As	75	3	He	222.213	2.9426	37920.15	0.0132	0.0009658
Sr	88	3	He	22.901	1.9836	19824.31	0.0864	0.005458
Sr	88	3	He	25.719	2.2271	20095.06	0.0864	0.005458
Sr	88	3	He	23.704	2.053	20064.85	0.0864	0.005458
Mo	98	3	He	24.972	0.7594	38162.59	0.0303	0.001942
Mo	98	3	He	24.725	0.7519	38202.59	0.0303	0.001942
Mo	98	3	He	24.141	0.7342	37971.98	0.0303	0.001942
Ag	107	3	He	22.786	7.9807	79758.32	0.3501	0.002425
Ag	107	3	He	25.273	8.8515	79868.22	0.3501	0.002425
Ag	107	3	He	23.299	8.1605	79757.71	0.3501	0.002425
Cd	111	3	He	24.79	1.1257	11250.57	0.0454	6.986E-05
Cd	111	3	He	27.023	1.2271	11072.44	0.0454	6.986E-05
Cd	111	3	He	25.2	1.1444	11184.51	0.0454	6.986E-05
Sn	120	3	He	26.251	0.7824	39316.71	0.0284	0.03615
Sn	120	3	He	25.125	0.7504	38122.99	0.0284	0.03615
Sn	120	3	He	25.123	0.7503	38805.25	0.0284	0.03615
Sb	121	3	He	26.69	0.6988	35115.50	0.0262	0.000803
Sb	121	3	He	26.46	0.6927	35195.82	0.0262	0.000803
Sb	121	3	He	26.844	0.7028	36348.66	0.0262	0.000803
Ba	137	3	He	253.962	2.4964	125452.05	0.0098	0.0007342
Ba	137	3	He	248.71	2.4447	124209.37	0.0098	0.0007342
Ba	137	3	He	242.273	2.3815	123170.12	0.0098	0.0007342
Tl	205	3	He	24.512	4.7701	239718.86	0.1945	0.002744
Tl	205	3	He	24.645	4.796	243669.63	0.1945	0.002744
Tl	205	3	He	24.423	4.7528	245813.26	0.1945	0.002744
Pb	208	3	He	24.635	6.5381	177063.83	0.2651	0.006358
Pb	208	3	He	24.793	6.5798	178873.20	0.2651	0.006358
Pb	208	3	He	24.11	6.3987	176559.00	0.2651	0.006358
U	238	3	He	24.908	7.5269	378259.41	0.3022	0.0005338
U	238	3	He	25.045	7.5684	384527.65	0.3022	0.0005338
U	238	3	He	25.061	7.5732	391684.10	0.3022	0.0005338
Sc	45	1	No Gas			187604.59		
Sc	45	1	No Gas			185894.29		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			190058.43		
Ge	72	1	No Gas			113941.85		
Ge	72	1	No Gas			115212.28		
Ge	72	1	No Gas			115040.27		
Sc	45	2	H2			34140.89		
Sc	45	2	H2			33840.39		
Sc	45	2	H2			32968.36		
Ge	72	2	H2			26795.73		
Ge	72	2	H2			25794.03		
Ge	72	2	H2			26535.30		
In	115	2	H2			66921.96		
In	115	2	H2			65364.26		
In	115	2	H2			65083.26		
Sc	45	3	He			5161.08		
Sc	45	3	He			4931.04		
Sc	45	3	He			5221.11		
Ge	72	3	He			9993.95		
Ge	72	3	He			9023.13		
Ge	72	3	He			9773.65		
In	115	3	He			11805.48		
In	115	3	He			12065.53		
In	115	3	He			13086.68		
Tb	159	3	He			50254.16		
Tb	159	3	He			50806.68		
Tb	159	3	He			51719.70		
Bi	209	3	He			41105.30		
Bi	209	3	He			40895.08		
Bi	209	3	He			43041.82		

Quantitation Report

Data File Name	006SMPL.d
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\25F12B00.b
Acq Time	6/12/2025 4:01:56 PM
Sample Name	RINSE
Sample Type	Sample
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

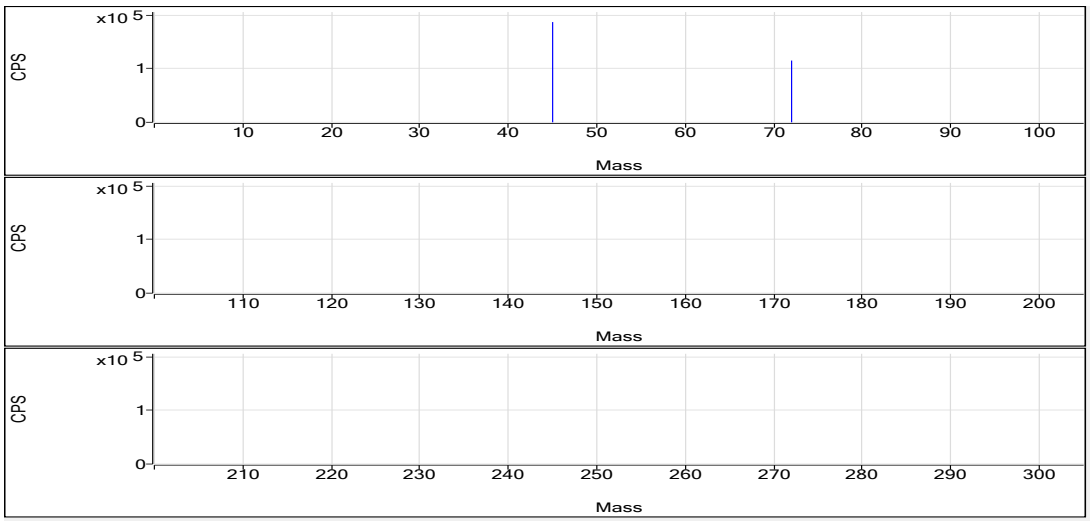
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.029	ppb	46.7	49.33	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.031	ppb	25.2	5.11	0.0002	Pulse	1.5000	3
Na	23	45	He	3.400	ppb	66.7	4170.72	0.8800	Pulse	0.1000	3
Mg	24	45	He	3.149	ppb	35.0	663.37	0.1397	Pulse	0.1000	3
Al	27	45	He	0.393	ppb	24.5	50.00	0.0105	Pulse	0.1000	3
K	39	45	He	7.614	ppb	138.0	6661.75	1.4035	Pulse	0.1000	3
Ca	44	115	He	1.931	ppb	694.6	63.33	0.0053	Pulse	0.1000	3
Ti	47	72	He	3.066	ppb	24.4	63.33	0.0062	Pulse	0.1000	3
V	51	45	He	0.105	ppb	21.3	273.34	0.0576	Pulse	0.5000	3
Cr	52	72	He	0.076	ppb	87.8	926.73	0.0915	Pulse	0.1000	3
Mn	55	72	He	0.110	ppb	27.6	133.34	0.0132	Pulse	0.1000	3
Fe	57	45	He	1.409	ppb	77.8	140.00	0.0296	Pulse	0.1000	3
Co	59	72	He	0.093	ppb	39.9	286.68	0.0284	Pulse	0.1000	3
Ni	60	115	He	0.196	ppb	73.4	326.68	0.0272	Pulse	0.1000	3
Cu	63	115	He	0.075	ppb	47.0	253.34	0.0211	Pulse	0.1000	3
Zn	66	115	He	0.101	ppb	215.3	53.34	0.0045	Pulse	0.1000	3
As	75	115	He	0.226	ppb	51.1	47.33	0.0040	Pulse	0.5000	3
Sr	88	72	He	0.052	ppb	100.8	100.00	0.0099	Pulse	0.1000	3
Mo	98	159	He	0.030	ppb	43.7	146.68	0.0029	Pulse	0.1000	3
Ag	107	72	He	0.004	ppb	173.5	40.00	0.0040	Pulse	0.1000	3
Cd	111	72	He	0.011	ppb	97.7	6.00	0.0006	Pulse	0.5000	3
Sn	120	159	He	-0.052	ppb	N/A	1776.85	0.0347	Pulse	0.1000	3
Sb	121	159	He	0.114	ppb	11.1	193.34	0.0038	Pulse	0.1000	3
Ba	137	159	He	0.058	ppb	52.0	66.67	0.0013	Pulse	0.1000	3
Tl	205	159	He	0.013	ppb	52.2	273.35	0.0053	Pulse	0.1000	3
Pb	208	159	He	0.008	ppb	31.3	436.68	0.0085	Pulse	0.1000	3
U	238	159	He	0.009	ppb	36.9	170.01	0.0033	Pulse	0.1000	3

ISTD Table:

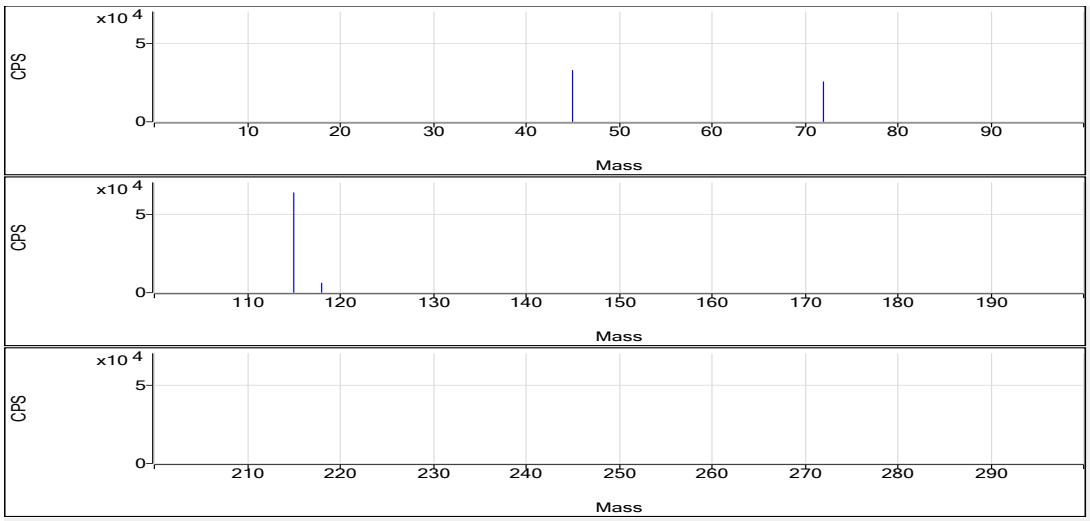
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	186607.92	1.1	101.8	Pulse	0.1000	3
No Gas	Ge	72	114970.10	0.8	102.7	Pulse	0.1000	3
H2	Sc	45	33121.74	2.8	97.7	Pulse	0.1000	3
H2	Ge	72	25854.18	2.5	100.0	Pulse	0.1000	3
H2	In	115	64299.57	0.7	100.6	Pulse	0.1000	3
He	Sc	45	4744.26	3.3	99.8	Pulse	0.1000	3
He	Ge	72	10137.23	2.3	104.2	Pulse	0.1000	3
He	In	115	11988.45	0.8	102.4	Pulse	0.1000	3
He	Tb	159	51268.12	0.8	102.8	Pulse	0.1000	3
He	Bi	209	41577.20	2.6	101.7	Pulse	0.1000	3

No Gas

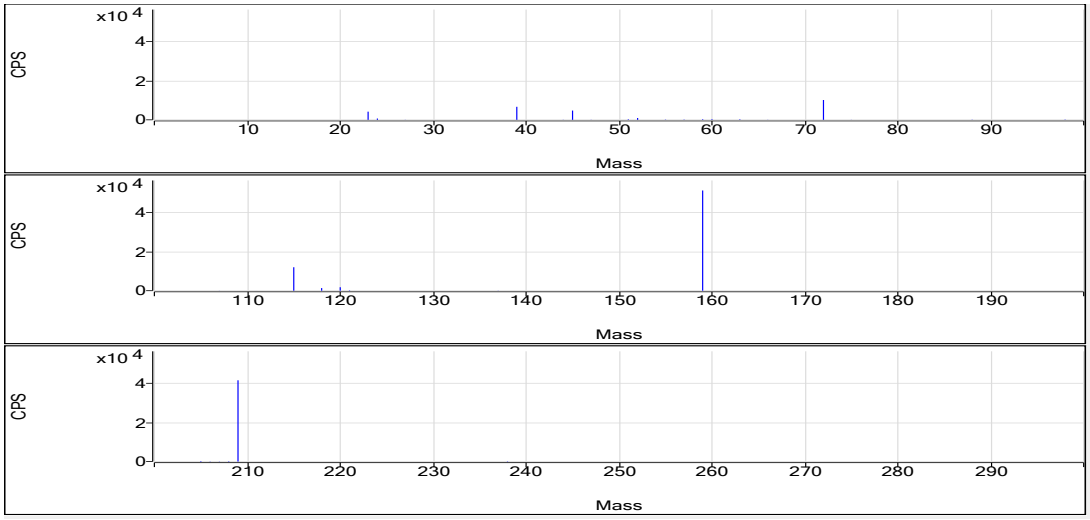


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.033	0.0003	52.00	0.0035	0.0001638
Be	9	1	No Gas	0.04	0.0003	56.00	0.0035	0.0001638
Be	9	1	No Gas	0.014	0.0002	40.00	0.0035	0.0001638
Se	78	2	H2	0.04	0.0002	6.00	0.0035	8.664E-05
Se	78	2	H2	0.028	0.0002	4.67	0.0035	8.664E-05
Se	78	2	H2	0.026	0.0002	4.67	0.0035	8.664E-05
Na	23	3	He	2.789	0.8668	4230.72	0.0216	0.8064
Na	23	3	He	5.91	0.9343	4270.76	0.0216	0.8064
Na	23	3	He	1.5	0.8389	4010.67	0.0216	0.8064
Mg	24	3	He	2.927	0.1373	670.04	0.0109	0.1054
Mg	24	3	He	2.175	0.1291	590.03	0.0109	0.1054
Mg	24	3	He	4.343	0.1527	730.04	0.0109	0.1054
Al	27	3	He	0.311	0.0102	50.00	0.0037	0.009095
Al	27	3	He	0.499	0.0109	50.00	0.0037	0.009095
Al	27	3	He	0.369	0.0105	50.00	0.0037	0.009095
K	39	3	He	18.049	1.5063	7352.05	0.0099	1.328
K	39	3	He	7.759	1.4049	6421.64	0.0099	1.328
K	39	3	He	-2.968	1.2992	6211.55	0.0099	1.328
Ca	44	3	He	15.873	0.0083	100.00	0.0002	0.004867
Ca	44	3	He	-10.888	0.0025	30.00	0.0002	0.004867
Ca	44	3	He	0.81	0.005	60.00	0.0002	0.004867
Ti	47	3	He	2.83	0.0058	60.00	0.002	0
Ti	47	3	He	3.905	0.008	80.00	0.002	0
Ti	47	3	He	2.465	0.005	50.00	0.002	0
V	51	3	He	0.101	0.057	278.00	0.1638	0.04039
V	51	3	He	0.085	0.0543	248.00	0.1638	0.04039
V	51	3	He	0.129	0.0615	294.01	0.1638	0.04039
Cr	52	3	He	0.028	0.0865	900.06	0.1041	0.08357
Cr	52	3	He	0.048	0.0885	890.06	0.1041	0.08357
Cr	52	3	He	0.153	0.0995	990.08	0.1041	0.08357
Mn	55	3	He	0.097	0.0125	130.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.145	0.0149	150.01	0.0509	0.00756
Mn	55	3	He	0.088	0.0121	120.00	0.0509	0.00756
Fe	57	3	He	0.207	0.0246	120.00	0.0041	0.02373
Fe	57	3	He	1.667	0.0306	140.00	0.0041	0.02373
Fe	57	3	He	2.353	0.0335	160.01	0.0041	0.02373
Co	59	3	He	0.057	0.0211	220.01	0.1966	0.009981
Co	59	3	He	0.131	0.0358	360.02	0.1966	0.009981
Co	59	3	He	0.092	0.0281	280.01	0.1966	0.009981
Ni	60	3	He	0.068	0.0217	260.01	0.0432	0.01878
Ni	60	3	He	0.351	0.0339	410.02	0.0432	0.01878
Ni	60	3	He	0.169	0.0261	310.02	0.0432	0.01878
Cu	63	3	He	0.114	0.0259	310.01	0.1222	0.01194
Cu	63	3	He	0.045	0.0174	210.01	0.1222	0.01194
Cu	63	3	He	0.067	0.0202	240.01	0.1222	0.01194
Zn	66	3	He	0.345	0.0083	100.01	0.0159	0.002839
Zn	66	3	He	-0.074	0.0017	20.00	0.0159	0.002839
Zn	66	3	He	0.033	0.0034	40.00	0.0159	0.002839
As	75	3	He	0.154	0.003	36.00	0.0132	0.0009658
As	75	3	He	0.165	0.0031	38.00	0.0132	0.0009658
As	75	3	He	0.359	0.0057	68.00	0.0132	0.0009658
Sr	88	3	He	0.026	0.0077	80.00	0.0864	0.005458
Sr	88	3	He	0.017	0.007	70.00	0.0864	0.005458
Sr	88	3	He	0.111	0.0151	150.01	0.0864	0.005458
Mo	98	3	He	0.025	0.0027	140.01	0.0303	0.001942
Mo	98	3	He	0.02	0.0026	130.01	0.0303	0.001942
Mo	98	3	He	0.045	0.0033	170.01	0.0303	0.001942
Ag	107	3	He	-0.001	0.0019	20.00	0.3501	0.002425
Ag	107	3	He	0.002	0.003	30.00	0.3501	0.002425
Ag	107	3	He	0.013	0.007	70.00	0.3501	0.002425
Cd	111	3	He	0.024	0.0012	12.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Sn	120	3	He	-0.032	0.0352	1820.21	0.0284	0.03615
Sn	120	3	He	-0.005	0.036	1830.18	0.0284	0.03615
Sn	120	3	He	-0.119	0.0328	1680.17	0.0284	0.03615
Sb	121	3	He	0.103	0.0035	180.01	0.0262	0.000803
Sb	121	3	He	0.127	0.0041	210.01	0.0262	0.000803
Sb	121	3	He	0.111	0.0037	190.01	0.0262	0.000803
Ba	137	3	He	0.083	0.0015	80.00	0.0098	0.0007342
Ba	137	3	He	0.065	0.0014	70.00	0.0098	0.0007342
Ba	137	3	He	0.024	0.001	50.00	0.0098	0.0007342
Tl	205	3	He	0.02	0.0066	340.02	0.1945	0.002744
Tl	205	3	He	0.014	0.0055	280.01	0.1945	0.002744
Tl	205	3	He	0.006	0.0039	200.01	0.1945	0.002744
Pb	208	3	He	0.011	0.0093	230.01	0.2651	0.006358
Pb	208	3	He	0.006	0.0081	210.01	0.2651	0.006358
Pb	208	3	He	0.007	0.0082	210.01	0.2651	0.006358
U	238	3	He	0.012	0.0041	210.01	0.3022	0.0005338
U	238	3	He	0.011	0.0037	190.01	0.3022	0.0005338
U	238	3	He	0.005	0.0021	110.01	0.3022	0.0005338
Sc	45	1	No Gas			186807.50		
Sc	45	1	No Gas			184539.78		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			188476.48		
Ge	72	1	No Gas			115403.41		
Ge	72	1	No Gas			113921.08		
Ge	72	1	No Gas			115585.80		
Sc	45	2	H2			32547.07		
Sc	45	2	H2			32637.37		
Sc	45	2	H2			34180.78		
Ge	72	2	H2			26134.64		
Ge	72	2	H2			25122.82		
Ge	72	2	H2			26305.09		
In	115	2	H2			64480.16		
In	115	2	H2			63757.07		
In	115	2	H2			64661.49		
Sc	45	3	He			4880.95		
Sc	45	3	He			4570.87		
Sc	45	3	He			4780.95		
Ge	72	3	He			10404.08		
Ge	72	3	He			10053.86		
Ge	72	3	He			9953.76		
In	115	3	He			11995.52		
In	115	3	He			12095.64		
In	115	3	He			11905.46		
Tb	159	3	He			51669.57		
Tb	159	3	He			50846.43		
Tb	159	3	He			51288.35		
Bi	209	3	He			40363.33		
Bi	209	3	He			41868.23		
Bi	209	3	He			42500.03		

Quantitation Report

Data File Name	007_ICB.d
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Sample Type	ICB
Comment	---
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

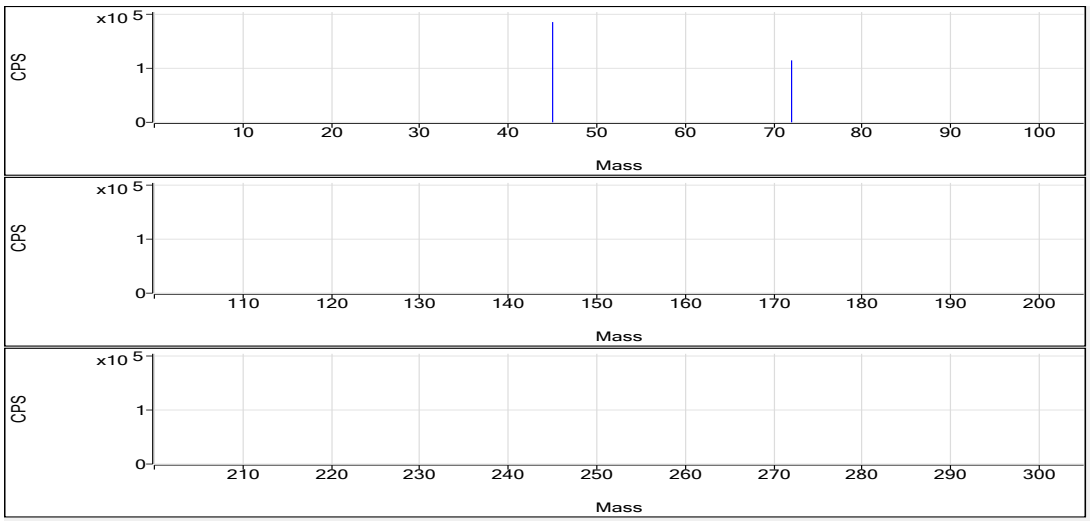
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.008	ppb	63.7	35.33	0.0002	Pulse	0.5000	3
Se	78	72	H2	0.015	ppb	96.5	3.78	0.0001	Pulse	1.5000	3
Na	23	45	He	2.566	ppb	77.5	4147.38	0.8620	Pulse	0.1000	3
Mg	24	45	He	-0.378	ppb	N/A	486.69	0.1013	Pulse	0.1000	3
Al	27	45	He	0.722	ppb	85.5	56.67	0.0118	Pulse	0.1000	3
K	39	45	He	5.879	ppb	100.9	6671.78	1.3864	Pulse	0.1000	3
Ca	44	115	He	-0.731	ppb	N/A	56.67	0.0047	Pulse	0.1000	3
Ti	47	72	He	2.073	ppb	70.3	43.33	0.0042	Pulse	0.1000	3
V	51	45	He	0.023	ppb	97.7	212.67	0.0442	Pulse	0.5000	3
Cr	52	72	He	-0.065	ppb	N/A	786.71	0.0768	Pulse	0.1000	3
Mn	55	72	He	0.088	ppb	97.6	123.34	0.0120	Pulse	0.1000	3
Fe	57	45	He	-0.034	ppb	N/A	113.34	0.0236	Pulse	0.1000	3
Co	59	72	He	0.058	ppb	31.1	220.01	0.0215	Pulse	0.1000	3
Ni	60	115	He	0.113	ppb	94.8	283.35	0.0236	Pulse	0.1000	3
Cu	63	115	He	0.029	ppb	93.3	186.68	0.0155	Pulse	0.1000	3
Zn	66	115	He	0.238	ppb	75.6	80.00	0.0066	Pulse	0.1000	3
As	75	115	He	0.128	ppb	28.7	32.00	0.0027	Pulse	0.5000	3
Sr	88	72	He	-0.007	ppb	N/A	50.00	0.0049	Pulse	0.1000	3
Mo	98	159	He	0.009	ppb	237.5	113.34	0.0022	Pulse	0.1000	3
Ag	107	72	He	0.004	ppb	114.6	40.00	0.0039	Pulse	0.1000	3
Cd	111	72	He	0.011	ppb	65.5	6.00	0.0006	Pulse	0.5000	3
Sn	120	159	He	0.128	ppb	39.5	2043.59	0.0398	Pulse	0.1000	3
Sb	121	159	He	0.024	ppb	16.4	73.33	0.0014	Pulse	0.1000	3
Ba	137	159	He	0.064	ppb	32.6	70.00	0.0014	Pulse	0.1000	3
Tl	205	159	He	0.004	ppb	88.7	180.01	0.0035	Pulse	0.1000	3
Pb	208	159	He	0.010	ppb	36.9	463.35	0.0090	Pulse	0.1000	3
U	238	159	He	0.006	ppb	7.3	116.67	0.0023	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	185733.55	0.8	101.3	Pulse	0.1000	3
No Gas	Ge	72	114788.73	1.4	102.5	Pulse	0.1000	3
H2	Sc	45	33309.09	1.6	98.2	Pulse	0.1000	3
H2	Ge	72	26979.78	3.2	104.3	Pulse	0.1000	3
H2	In	115	64286.35	1.2	100.5	Pulse	0.1000	3
He	Sc	45	4810.98	1.0	101.2	Pulse	0.1000	3
He	Ge	72	10247.39	0.3	105.3	Pulse	0.1000	3
He	In	115	12008.96	2.0	102.5	Pulse	0.1000	3
He	Tb	159	51378.86	0.8	103.0	Pulse	0.1000	3
He	Bi	209	42312.50	2.4	103.5	Pulse	0.1000	3

No Gas



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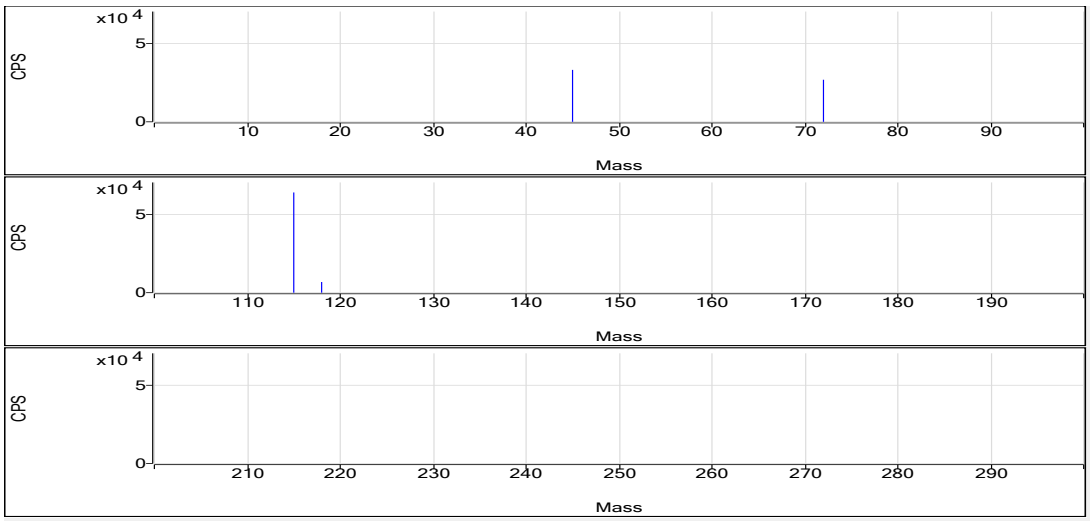
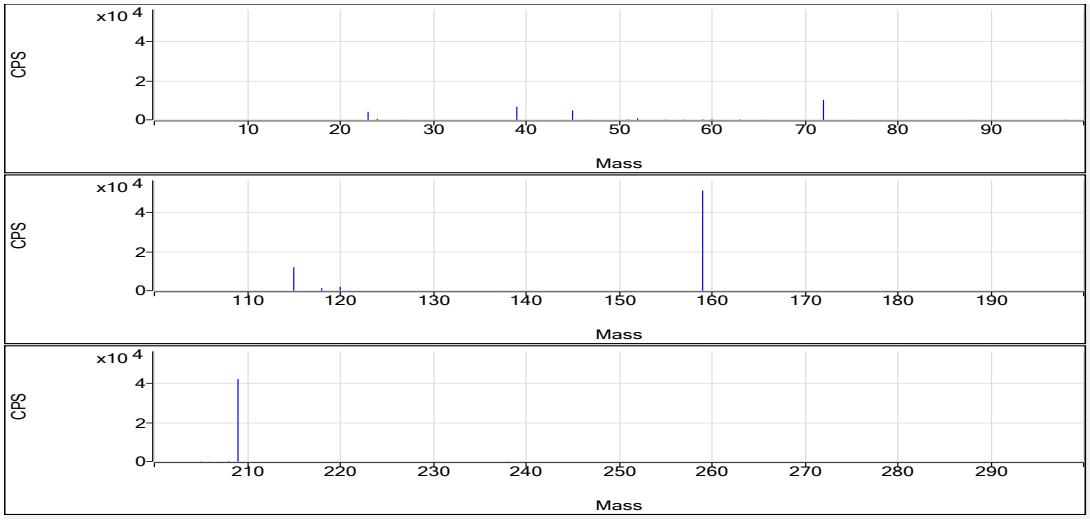


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.012	0.0002	38.00	0.0035	0.0001638
Be	9	1	No Gas	0.009	0.0002	36.00	0.0035	0.0001638
Be	9	1	No Gas	0.002	0.0002	32.00	0.0035	0.0001638
Se	78	2	H2	0.012	0.0001	3.33	0.0035	8.664E-05
Se	78	2	H2	0.003	0.0001	2.67	0.0035	8.664E-05
Se	78	2	H2	0.031	0.0002	5.33	0.0035	8.664E-05
Na	23	3	He	2.193	0.8539	4150.72	0.0216	0.8064
Na	23	3	He	4.717	0.9085	4370.81	0.0216	0.8064
Na	23	3	He	0.789	0.8235	3920.62	0.0216	0.8064
Mg	24	3	He	-2.121	0.0823	400.02	0.0109	0.1054
Mg	24	3	He	0.057	0.106	510.02	0.0109	0.1054
Mg	24	3	He	0.931	0.1155	550.03	0.0109	0.1054
Al	27	3	He	1.435	0.0144	70.00	0.0037	0.009095
Al	27	3	He	0.351	0.0104	50.00	0.0037	0.009095
Al	27	3	He	0.381	0.0105	50.00	0.0037	0.009095
K	39	3	He	11.992	1.4466	7031.98	0.0099	1.328
K	39	3	He	5.498	1.3826	6651.76	0.0099	1.328
K	39	3	He	0.146	1.3299	6331.60	0.0099	1.328
Ca	44	3	He	0.11	0.0049	60.00	0.0002	0.004867
Ca	44	3	He	-10.608	0.0025	30.00	0.0002	0.004867
Ca	44	3	He	8.304	0.0067	80.00	0.0002	0.004867
Ti	47	3	He	0.479	0.001	10.00	0.002	0
Ti	47	3	He	3.34	0.0068	70.00	0.002	0
Ti	47	3	He	2.4	0.0049	50.00	0.002	0
V	51	3	He	0.037	0.0465	226.00	0.1638	0.04039
V	51	3	He	0.035	0.0461	222.00	0.1638	0.04039
V	51	3	He	-0.003	0.0399	190.00	0.1638	0.04039
Cr	52	3	He	-0.042	0.0792	810.05	0.1041	0.08357
Cr	52	3	He	-0.065	0.0768	790.05	0.1041	0.08357
Cr	52	3	He	-0.089	0.0743	760.04	0.1041	0.08357
Mn	55	3	He	0.082	0.0117	120.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.176	0.0165	170.01	0.0509	0.00756
Mn	55	3	He	0.005	0.0078	80.00	0.0509	0.00756
Fe	57	3	He	-2.75	0.0123	60.00	0.0041	0.02373
Fe	57	3	He	3.306	0.0374	180.01	0.0041	0.02373
Fe	57	3	He	-0.658	0.021	100.00	0.0041	0.02373
Co	59	3	He	0.054	0.0205	210.01	0.1966	0.009981
Co	59	3	He	0.043	0.0185	190.01	0.1966	0.009981
Co	59	3	He	0.079	0.0254	260.01	0.1966	0.009981
Ni	60	3	He	0.075	0.022	270.01	0.0432	0.01878
Ni	60	3	He	0.233	0.0288	340.02	0.0432	0.01878
Ni	60	3	He	0.03	0.0201	240.01	0.0432	0.01878
Cu	63	3	He	0.049	0.0179	220.01	0.1222	0.01194
Cu	63	3	He	0.041	0.017	200.01	0.1222	0.01194
Cu	63	3	He	-0.002	0.0117	140.01	0.1222	0.01194
Zn	66	3	He	0.435	0.0098	120.00	0.0159	0.002839
Zn	66	3	He	0.194	0.0059	70.00	0.0159	0.002839
Zn	66	3	He	0.084	0.0042	50.00	0.0159	0.002839
As	75	3	He	0.124	0.0026	32.00	0.0132	0.0009658
As	75	3	He	0.094	0.0022	26.00	0.0132	0.0009658
As	75	3	He	0.167	0.0032	38.00	0.0132	0.0009658
Sr	88	3	He	0.005	0.0059	60.00	0.0864	0.005458
Sr	88	3	He	-0.018	0.0039	40.00	0.0864	0.005458
Sr	88	3	He	-0.007	0.0049	50.00	0.0864	0.005458
Mo	98	3	He	-0.006	0.0018	90.00	0.0303	0.001942
Mo	98	3	He	0	0.0019	100.00	0.0303	0.001942
Mo	98	3	He	0.032	0.0029	150.01	0.0303	0.001942
Ag	107	3	He	0.01	0.0059	60.00	0.3501	0.002425
Ag	107	3	He	0.001	0.0029	30.00	0.3501	0.002425
Ag	107	3	He	0.001	0.0029	30.00	0.3501	0.002425
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.016	0.0008	8.00	0.0454	6.986E-05
Cd	111	3	He	0.016	0.0008	8.00	0.0454	6.986E-05
Sn	120	3	He	0.081	0.0384	1960.21	0.0284	0.03615
Sn	120	3	He	0.121	0.0396	2050.32	0.0284	0.03615
Sn	120	3	He	0.181	0.0413	2120.25	0.0284	0.03615
Sb	121	3	He	0.022	0.0014	70.00	0.0262	0.000803
Sb	121	3	He	0.028	0.0015	80.00	0.0262	0.000803
Sb	121	3	He	0.021	0.0014	70.00	0.0262	0.000803
Ba	137	3	He	0.085	0.0016	80.00	0.0098	0.0007342
Ba	137	3	He	0.043	0.0012	60.00	0.0098	0.0007342
Ba	137	3	He	0.064	0.0014	70.00	0.0098	0.0007342
Tl	205	3	He	0.006	0.0039	200.01	0.1945	0.002744
Tl	205	3	He	0.006	0.0039	200.01	0.1945	0.002744
Tl	205	3	He	0	0.0027	140.01	0.1945	0.002744
Pb	208	3	He	0.013	0.0098	270.01	0.2651	0.006358
Pb	208	3	He	0.006	0.0079	240.01	0.2651	0.006358
Pb	208	3	He	0.011	0.0093	270.01	0.2651	0.006358
U	238	3	He	0.006	0.0024	120.00	0.3022	0.0005338
U	238	3	He	0.005	0.0021	110.00	0.3022	0.0005338
U	238	3	He	0.006	0.0023	120.01	0.3022	0.0005338
Sc	45	1	No Gas			186472.56		
Sc	45	1	No Gas			183983.28		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			186744.82		
Ge	72	1	No Gas			116371.19		
Ge	72	1	No Gas			114748.31		
Ge	72	1	No Gas			113246.69		
Sc	45	2	H2			33579.63		
Sc	45	2	H2			32687.67		
Sc	45	2	H2			33659.96		
Ge	72	2	H2			26094.80		
Ge	72	2	H2			27807.90		
Ge	72	2	H2			27036.63		
In	115	2	H2			63807.36		
In	115	2	H2			65173.53		
In	115	2	H2			63878.17		
Sc	45	3	He			4861.02		
Sc	45	3	He			4810.97		
Sc	45	3	He			4760.96		
Ge	72	3	He			10234.01		
Ge	72	3	He			10284.10		
Ge	72	3	He			10224.06		
In	115	3	He			12275.88		
In	115	3	He			11805.43		
In	115	3	He			11975.45		
Tb	159	3	He			50998.09		
Tb	159	3	He			51780.38		
Tb	159	3	He			51358.12		
Bi	209	3	He			41135.26		
Bi	209	3	He			42901.20		
Bi	209	3	He			42901.04		

Quantitation Report

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Acq Time	6/12/2025 4:06:08 PM
Sample Name	CRI 7875061
Sample Type	CRI
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

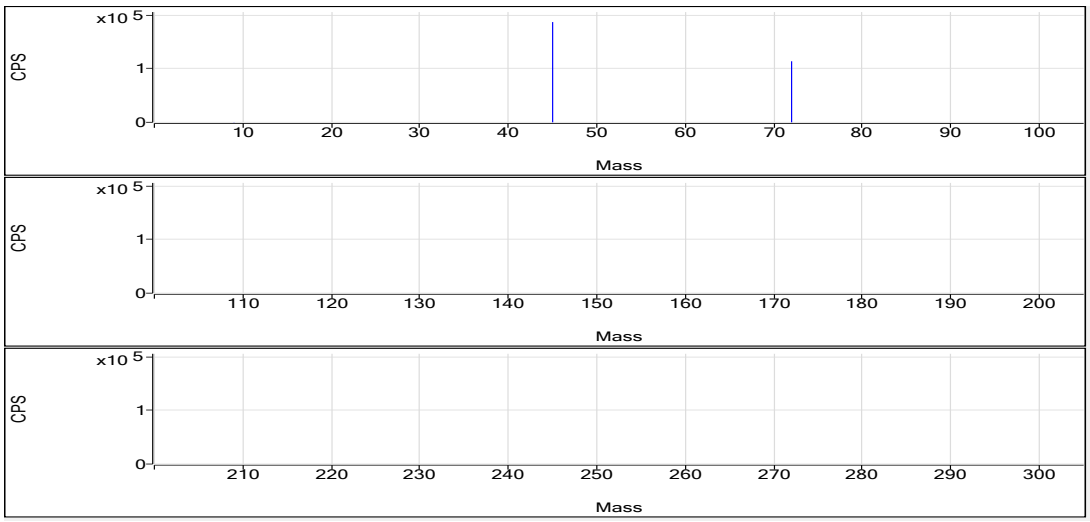
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.516	ppb	1.8	366.68	0.0020	Pulse	0.5000	3
Se	78	72	H2	1.006	ppb	10.3	95.11	0.0036	Pulse	1.5000	3
Na	23	45	He	195.305	ppb	4.2	24387.54	5.0340	Pulse	0.1000	3
Mg	24	45	He	51.844	ppb	6.2	3243.80	0.6701	Pulse	0.1000	3
Al	27	45	He	28.701	ppb	10.9	560.03	0.1152	Pulse	0.1000	3
K	39	45	He	200.829	ppb	7.3	16012.60	3.3069	Pulse	0.1000	3
Ca	44	115	He	118.558	ppb	9.3	380.02	0.0308	Pulse	0.1000	3
Ti	47	72	He	12.307	ppb	9.9	246.68	0.0251	Pulse	0.1000	3
V	51	45	He	1.957	ppb	6.8	1746.79	0.3610	Pulse	0.5000	3
Cr	52	72	He	1.873	ppb	18.6	2730.35	0.2786	Pulse	0.1000	3
Mn	55	72	He	2.148	ppb	4.2	1146.75	0.1169	Pulse	0.1000	3
Fe	57	45	He	50.856	ppb	7.0	1133.42	0.2343	Pulse	0.1000	3
Co	59	72	He	0.543	ppb	4.5	1146.75	0.1169	Pulse	0.1000	3
Ni	60	115	He	1.079	ppb	23.7	806.72	0.0654	Pulse	0.1000	3
Cu	63	115	He	1.049	ppb	5.3	1726.83	0.1400	Pulse	0.1000	3
Zn	66	115	He	10.417	ppb	12.3	2083.56	0.1689	Pulse	0.1000	3
As	75	115	He	1.986	ppb	11.1	336.01	0.0273	Pulse	0.5000	3
Sr	88	72	He	1.030	ppb	8.6	926.73	0.0944	Pulse	0.1000	3
Mo	98	159	He	0.507	ppb	6.3	900.07	0.0173	Pulse	0.1000	3
Ag	107	72	He	0.517	ppb	4.2	1800.18	0.1834	Pulse	0.1000	3
Cd	111	72	He	0.515	ppb	11.6	230.00	0.0235	Pulse	0.5000	3
Sn	120	159	He	1.908	ppb	6.6	4697.64	0.0904	Pulse	0.1000	3
Sb	121	159	He	1.036	ppb	9.1	1450.12	0.0279	Pulse	0.1000	3
Ba	137	159	He	1.810	ppb	17.0	963.40	0.0185	Pulse	0.1000	3
Tl	205	159	He	0.513	ppb	1.8	5327.94	0.1025	Pulse	0.1000	3
Pb	208	159	He	0.488	ppb	1.8	7057.70	0.1358	Pulse	0.1000	3
U	238	159	He	0.989	ppb	3.6	15563.33	0.2995	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	187434.85	1.2	102.3	Pulse	0.1000	3
No Gas	Ge	72	114136.30	1.3	101.9	Pulse	0.1000	3
H2	Sc	45	33719.76	1.3	99.4	Pulse	0.1000	3
H2	Ge	72	26171.34	1.7	101.2	Pulse	0.1000	3
H2	In	115	65515.28	1.7	102.5	Pulse	0.1000	3
He	Sc	45	4847.65	4.7	102.0	Pulse	0.1000	3
He	Ge	72	9820.38	2.7	100.9	Pulse	0.1000	3
He	In	115	12331.07	1.0	105.3	Pulse	0.1000	3
He	Tb	159	51977.68	0.5	104.2	Pulse	0.1000	3
He	Bi	209	42419.68	1.0	103.8	Pulse	0.1000	3

No Gas



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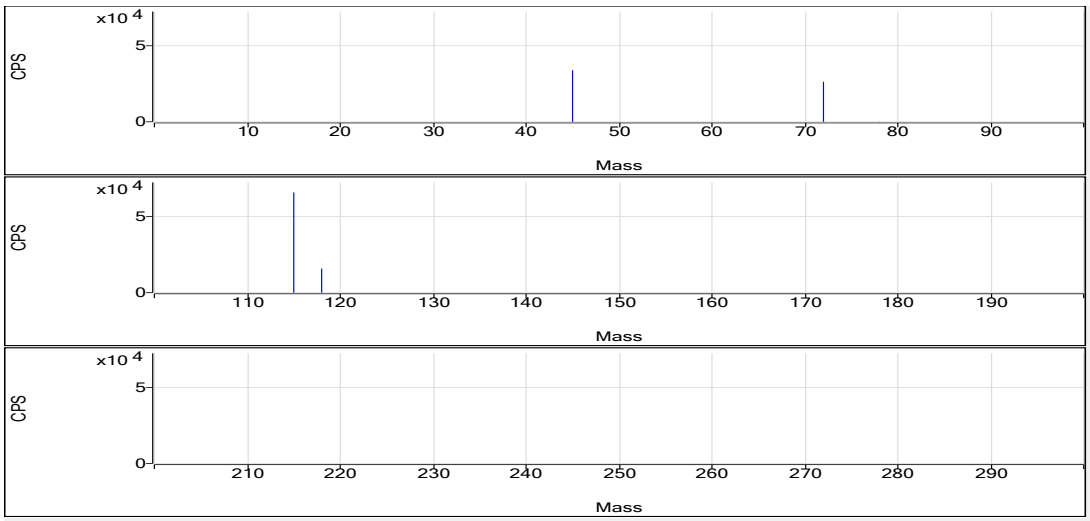
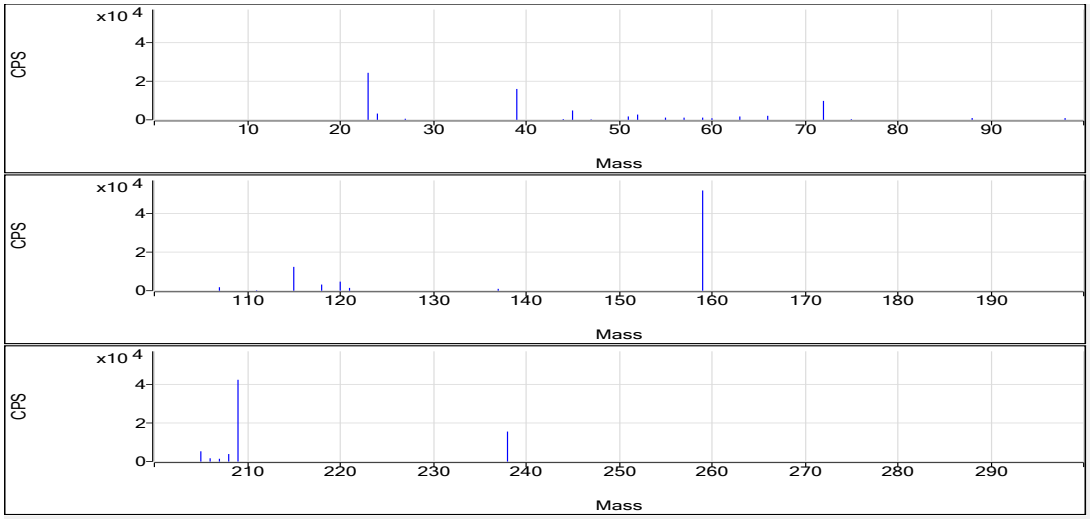


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.526	0.002	372.01	0.0035	0.0001638
Be	9	1	No Gas	0.513	0.0019	370.01	0.0035	0.0001638
Be	9	1	No Gas	0.508	0.0019	358.01	0.0035	0.0001638
Se	78	2	H2	1.046	0.0038	98.00	0.0035	8.664E-05
Se	78	2	H2	1.083	0.0039	101.33	0.0035	8.664E-05
Se	78	2	H2	0.889	0.0032	86.00	0.0035	8.664E-05
Na	23	3	He	204.66	5.2365	24721.34	0.0216	0.8064
Na	23	3	He	189.636	4.9113	25102.09	0.0216	0.8064
Na	23	3	He	191.619	4.9542	23339.20	0.0216	0.8064
Mg	24	3	He	55.096	0.7055	3330.49	0.0109	0.1054
Mg	24	3	He	48.714	0.636	3250.47	0.0109	0.1054
Mg	24	3	He	51.724	0.6687	3150.43	0.0109	0.1054
Al	27	3	He	28.482	0.1144	540.03	0.0037	0.009095
Al	27	3	He	31.943	0.1272	650.04	0.0037	0.009095
Al	27	3	He	25.677	0.104	490.03	0.0037	0.009095
K	39	3	He	215.835	3.4547	16309.59	0.0099	1.328
K	39	3	He	186.68	3.1675	16189.38	0.0099	1.328
K	39	3	He	199.971	3.2985	15538.84	0.0099	1.328
Ca	44	3	He	130.957	0.0335	410.02	0.0002	0.004867
Ca	44	3	He	109.699	0.0289	360.02	0.0002	0.004867
Ca	44	3	He	115.017	0.0301	370.02	0.0002	0.004867
Ti	47	3	He	13.572	0.0277	280.01	0.002	0
Ti	47	3	He	12.2	0.0249	240.01	0.002	0
Ti	47	3	He	11.149	0.0227	220.01	0.002	0
V	51	3	He	2.019	0.3711	1752.12	0.1638	0.04039
V	51	3	He	1.805	0.3362	1718.12	0.1638	0.04039
V	51	3	He	2.047	0.3757	1770.12	0.1638	0.04039
Cr	52	3	He	1.55	0.245	2480.29	0.1041	0.08357
Cr	52	3	He	2.242	0.317	3060.42	0.1041	0.08357
Cr	52	3	He	1.826	0.2737	2650.34	0.1041	0.08357
Mn	55	3	He	2.045	0.1116	1130.08	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	2.213	0.1202	1160.09	0.0509	0.00756
Mn	55	3	He	2.185	0.1188	1150.09	0.0509	0.00756
Fe	57	3	He	53.112	0.2436	1150.08	0.0041	0.02373
Fe	57	3	He	46.73	0.2172	1110.08	0.0041	0.02373
Fe	57	3	He	52.725	0.242	1140.10	0.0041	0.02373
Co	59	3	He	0.517	0.1116	1130.08	0.1966	0.009981
Co	59	3	He	0.566	0.1212	1170.09	0.1966	0.009981
Co	59	3	He	0.548	0.1177	1140.07	0.1966	0.009981
Ni	60	3	He	0.987	0.0614	750.05	0.0432	0.01878
Ni	60	3	He	1.369	0.0778	970.06	0.0432	0.01878
Ni	60	3	He	0.883	0.0569	700.04	0.0432	0.01878
Cu	63	3	He	1.014	0.1358	1660.15	0.1222	0.01194
Cu	63	3	He	1.019	0.1364	1700.16	0.1222	0.01194
Cu	63	3	He	1.113	0.1479	1820.17	0.1222	0.01194
Zn	66	3	He	11.163	0.1808	2210.23	0.0159	0.002839
Zn	66	3	He	11.147	0.1806	2250.28	0.0159	0.002839
Zn	66	3	He	8.942	0.1454	1790.16	0.0159	0.002839
As	75	3	He	2.177	0.0298	364.01	0.0132	0.0009658
As	75	3	He	2.037	0.0279	348.01	0.0132	0.0009658
As	75	3	He	1.743	0.024	296.00	0.0132	0.0009658
Sr	88	3	He	0.977	0.0899	910.06	0.0864	0.005458
Sr	88	3	He	0.98	0.0901	870.06	0.0864	0.005458
Sr	88	3	He	1.132	0.1033	1000.08	0.0864	0.005458
Mo	98	3	He	0.543	0.0184	960.08	0.0303	0.001942
Mo	98	3	He	0.492	0.0169	880.07	0.0303	0.001942
Mo	98	3	He	0.485	0.0166	860.06	0.0303	0.001942
Ag	107	3	He	0.501	0.1778	1800.18	0.3501	0.002425
Ag	107	3	He	0.508	0.1803	1740.17	0.3501	0.002425
Ag	107	3	He	0.542	0.1921	1860.18	0.3501	0.002425
Cd	111	3	He	0.464	0.0211	214.00	0.0454	6.986E-05
Cd	111	3	He	0.5	0.0228	220.00	0.0454	6.986E-05
Cd	111	3	He	0.581	0.0264	256.00	0.0454	6.986E-05
Sn	120	3	He	1.766	0.0864	4500.89	0.0284	0.03615
Sn	120	3	He	1.954	0.0917	4781.04	0.0284	0.03615
Sn	120	3	He	2.004	0.0931	4810.99	0.0284	0.03615
Sb	121	3	He	1.07	0.0288	1500.14	0.0262	0.000803
Sb	121	3	He	0.93	0.0251	1310.09	0.0262	0.000803
Sb	121	3	He	1.109	0.0298	1540.14	0.0262	0.000803
Ba	137	3	He	1.858	0.019	990.07	0.0098	0.0007342
Ba	137	3	He	2.092	0.0213	1110.09	0.0098	0.0007342
Ba	137	3	He	1.481	0.0153	790.05	0.0098	0.0007342
Tl	205	3	He	0.519	0.1036	5401.29	0.1945	0.002744
Tl	205	3	He	0.518	0.1034	5391.31	0.1945	0.002744
Tl	205	3	He	0.502	0.1005	5191.21	0.1945	0.002744
Pb	208	3	He	0.483	0.1343	3830.71	0.2651	0.006358
Pb	208	3	He	0.484	0.1347	3870.72	0.2651	0.006358
Pb	208	3	He	0.498	0.1384	4000.76	0.2651	0.006358
U	238	3	He	0.97	0.2937	15309.72	0.3022	0.0005338
U	238	3	He	0.967	0.2927	15259.73	0.3022	0.0005338
U	238	3	He	1.031	0.312	16120.55	0.3022	0.0005338
Sc	45	1	No Gas			186705.19		
Sc	45	1	No Gas			190047.34		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			185552.01		
Ge	72	1	No Gas			114112.83		
Ge	72	1	No Gas			115654.37		
Ge	72	1	No Gas			112641.70		
Sc	45	2	H2			34040.60		
Sc	45	2	H2			33910.20		
Sc	45	2	H2			33208.47		
Ge	72	2	H2			25924.23		
Ge	72	2	H2			25914.22		
Ge	72	2	H2			26675.57		
In	115	2	H2			65033.03		
In	115	2	H2			64751.73		
In	115	2	H2			66761.07		
Sc	45	3	He			4720.94		
Sc	45	3	He			5111.07		
Sc	45	3	He			4710.95		
Ge	72	3	He			10123.92		
Ge	72	3	He			9653.60		
Ge	72	3	He			9683.62		
In	115	3	He			12245.79		
In	115	3	He			12486.05		
In	115	3	He			12335.96		
Tb	159	3	He			52122.19		
Tb	159	3	He			52141.28		
Tb	159	3	He			51669.56		
Bi	209	3	He			42690.69		
Bi	209	3	He			42640.21		
Bi	209	3	He			41928.14		

Quantitation Report

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Sample Type	ICSA
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

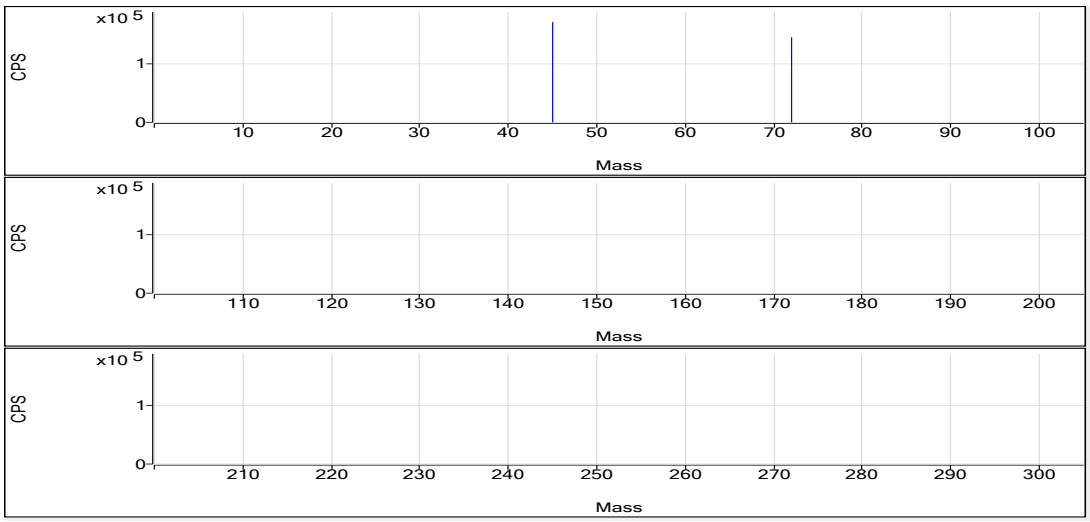
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.019	ppb	66.2	39.33	0.0002	Pulse	0.5000	3
Se	78	72	H2	0.043	ppb	25.4	6.22	0.0002	Pulse	1.5000	3
Na	23	45	He	241763.841	ppb	7.8	21186901.35	5 234.0865	Analog	0.1000	3
Mg	24	45	He	100808.951	ppb	9.1	4441258.26	1 098.0741	Pulse	0.1000	3
Al	27	45	He	101709.966	ppb	8.9	1520978.73	376.0156	Pulse	0.1000	3
K	39	45	He	101169.340	ppb	8.4	4038223.79	997.9837	Pulse	0.1000	3
Ca	44	115	He	275900.212	ppb	2.0	661870.38	60.4301	Pulse	0.1000	3
Ti	47	72	He	1656.073	ppb	0.8	33051.56	3.3749	Pulse	0.1000	3
V	51	45	He	0.063	ppb	23.7	205.33	0.0506	Pulse	0.5000	3
Cr	52	72	He	1.479	ppb	3.5	2326.94	0.2376	Pulse	0.1000	3
Mn	55	72	He	0.521	ppb	28.3	333.35	0.0341	Pulse	0.1000	3
Fe	57	45	He	252631.433	ppb	8.0	4233165.98	1 045.9209	Pulse	0.1000	3
Co	59	72	He	0.249	ppb	2.2	576.70	0.0589	Pulse	0.1000	3
Ni	60	115	He	0.215	ppb	27.8	306.68	0.0280	Pulse	0.1000	3
Cu	63	115	He	0.069	ppb	30.7	223.34	0.0204	Pulse	0.1000	3
Zn	66	115	He	1.556	ppb	33.0	303.35	0.0276	Pulse	0.1000	3
As	75	115	He	0.174	ppb	32.4	36.00	0.0033	Pulse	0.5000	3
Sr	88	72	He	2.183	ppb	5.4	1900.20	0.1941	Pulse	0.1000	3
Mo	98	159	He	1853.547	ppb	2.7	2809475.17	56.2244	Pulse	0.1000	3
Ag	107	72	He	0.047	ppb	29.6	186.68	0.0190	Pulse	0.1000	3
Cd	111	72	He	0.142	ppb	18.5	64.00	0.0065	Pulse	0.5000	3
Sn	120	159	He	0.228	ppb	121.7	2127.41	0.0426	Pulse	0.1000	3
Sb	121	159	He	0.173	ppb	17.8	266.68	0.0053	Pulse	0.1000	3
Ba	137	159	He	0.176	ppb	34.8	123.34	0.0025	Pulse	0.1000	3
Tl	205	159	He	-0.002	ppb	N/A	116.67	0.0023	Pulse	0.1000	3
Pb	208	159	He	0.096	ppb	5.2	1593.44	0.0319	Pulse	0.1000	3
U	238	159	He	0.012	ppb	43.1	203.34	0.0041	Pulse	0.1000	3

ISTD Table:

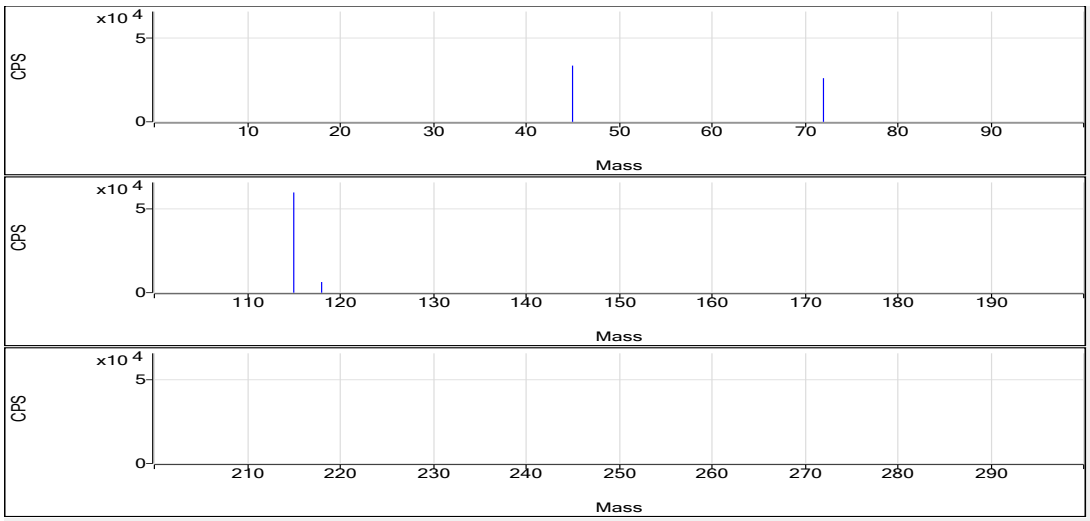
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	172570.11	1.7	94.2	Pulse	0.1000	3
No Gas	Ge	72	146494.16	0.8	130.8	Pulse	0.1000	3
H2	Sc	45	33596.11	2.1	99.1	Pulse	0.1000	3
H2	Ge	72	26084.58	0.6	100.9	Pulse	0.1000	3
H2	In	115	59900.22	1.5	93.7	Pulse	0.1000	3
He	Sc	45	4067.39	9.3	85.6	Pulse	0.1000	3
He	Ge	72	9793.71	0.9	100.7	Pulse	0.1000	3
He	In	115	10955.32	2.5	93.5	Pulse	0.1000	3
He	Tb	159	49983.37	1.6	100.2	Pulse	0.1000	3
He	Bi	209	39757.90	2.4	97.2	Pulse	0.1000	3

No Gas

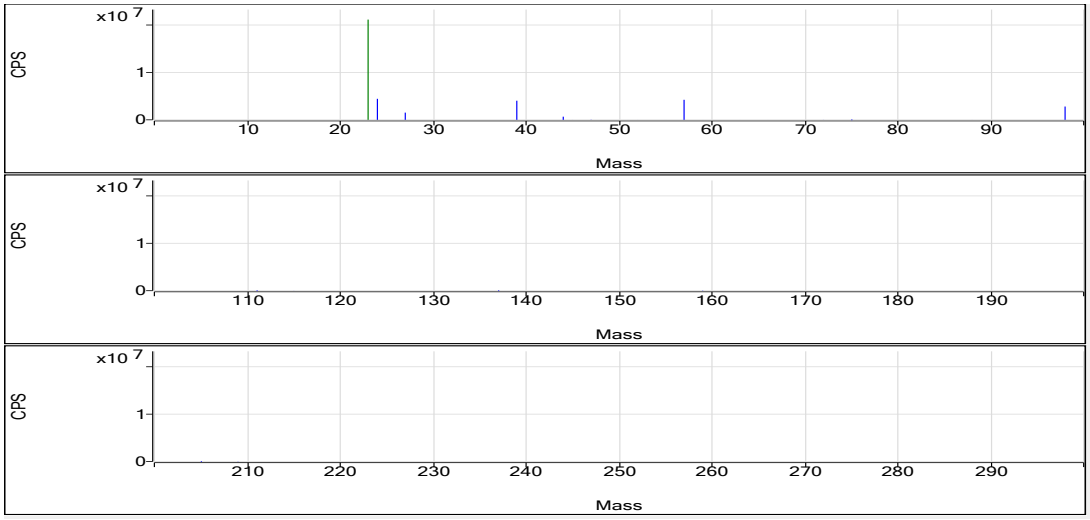


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.006	0.0002	32.00	0.0035	0.0001638
Be	9	1	No Gas	0.018	0.0002	40.00	0.0035	0.0001638
Be	9	1	No Gas	0.031	0.0003	46.00	0.0035	0.0001638
Se	78	2	H2	0.055	0.0003	7.33	0.0035	8.664E-05
Se	78	2	H2	0.033	0.0002	5.33	0.0035	8.664E-05
Se	78	2	H2	0.041	0.0002	6.00	0.0035	8.664E-05
Na	23	3	He	240569.533	5208.2342	21409644.68	0.0216	0.8064
Na	23	3	He	223594.606	4840.7907	21400409.68	0.0216	0.8064
Na	23	3	He	261127.384	5653.2346	20750649.69	0.0216	0.8064
Mg	24	3	He	100218.912	1091.6476	4487468.68	0.0109	0.1054
Mg	24	3	He	91964.651	1001.7457	4428567.43	0.0109	0.1054
Mg	24	3	He	110243.29	1200.8289	4407738.68	0.0109	0.1054
Al	27	3	He	101227.592	374.2323	1538367.95	0.0037	0.009095
Al	27	3	He	92883.647	343.386	1518057.95	0.0037	0.009095
Al	27	3	He	111018.658	410.4284	1506510.29	0.0037	0.009095
K	39	3	He	100602.948	992.4039	4079504.63	0.0099	1.328
K	39	3	He	92993.494	917.4405	4055866.81	0.0099	1.328
K	39	3	He	109911.579	1084.1066	3979299.94	0.0099	1.328
Ca	44	3	He	280817.919	61.5072	670738.58	0.0002	0.004867
Ca	44	3	He	270098.714	59.1595	665847.57	0.0002	0.004867
Ca	44	3	He	276784.001	60.6237	649024.99	0.0002	0.004867
Ti	47	3	He	1669.178	3.4016	33008.38	0.002	0
Ti	47	3	He	1657.152	3.3771	33108.49	0.002	0
Ti	47	3	He	1641.888	3.346	33037.81	0.002	0
V	51	3	He	0.056	0.0496	204.00	0.1638	0.04039
V	51	3	He	0.052	0.0489	216.00	0.1638	0.04039
V	51	3	He	0.079	0.0534	196.00	0.1638	0.04039
Cr	52	3	He	1.533	0.2432	2360.27	0.1041	0.08357
Cr	52	3	He	1.431	0.2326	2280.28	0.1041	0.08357
Cr	52	3	He	1.474	0.237	2340.27	0.1041	0.08357
Mn	55	3	He	0.682	0.0423	410.03	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.393	0.0275	270.01	0.0509	0.00756
Mn	55	3	He	0.488	0.0324	320.01	0.0509	0.00756
Fe	57	3	He	251158.5	1039.823	4274431.50	0.0041	0.02373
Fe	57	3	He	233214.111	965.533	4268476.50	0.0041	0.02373
Fe	57	3	He	273521.689	1132.4069	4156589.94	0.0041	0.02373
Co	59	3	He	0.243	0.0577	560.03	0.1966	0.009981
Co	59	3	He	0.25	0.0592	580.04	0.1966	0.009981
Co	59	3	He	0.253	0.0598	590.04	0.1966	0.009981
Ni	60	3	He	0.202	0.0275	300.01	0.0432	0.01878
Ni	60	3	He	0.162	0.0258	290.01	0.0432	0.01878
Ni	60	3	He	0.279	0.0308	330.01	0.0432	0.01878
Cu	63	3	He	0.09	0.0229	250.01	0.1222	0.01194
Cu	63	3	He	0.07	0.0204	230.01	0.1222	0.01194
Cu	63	3	He	0.048	0.0177	190.01	0.1222	0.01194
Zn	66	3	He	0.972	0.0183	200.01	0.0159	0.002839
Zn	66	3	He	1.939	0.0338	380.02	0.0159	0.002839
Zn	66	3	He	1.755	0.0308	330.02	0.0159	0.002839
As	75	3	He	0.163	0.0031	34.00	0.0132	0.0009658
As	75	3	He	0.236	0.0041	46.00	0.0132	0.0009658
As	75	3	He	0.125	0.0026	28.00	0.0132	0.0009658
Sr	88	3	He	2.299	0.2041	1980.21	0.0864	0.005458
Sr	88	3	He	2.063	0.1836	1800.18	0.0864	0.005458
Sr	88	3	He	2.188	0.1945	1920.20	0.0864	0.005458
Mo	98	3	He	1875.309	56.8844	2825596.52	0.0303	0.001942
Mo	98	3	He	1889.9	57.327	2832006.21	0.0303	0.001942
Mo	98	3	He	1795.432	54.4616	2770822.77	0.0303	0.001942
Ag	107	3	He	0.031	0.0134	130.01	0.3501	0.002425
Ag	107	3	He	0.057	0.0224	220.01	0.3501	0.002425
Ag	107	3	He	0.054	0.0213	210.01	0.3501	0.002425
Cd	111	3	He	0.13	0.006	58.00	0.0454	6.986E-05
Cd	111	3	He	0.124	0.0057	56.00	0.0454	6.986E-05
Cd	111	3	He	0.172	0.0079	78.00	0.0454	6.986E-05
Sn	120	3	He	0.102	0.0391	1940.20	0.0284	0.03615
Sn	120	3	He	0.546	0.0517	2551.82	0.0284	0.03615
Sn	120	3	He	0.035	0.0372	1890.20	0.0284	0.03615
Sb	121	3	He	0.2	0.006	300.01	0.0262	0.000803
Sb	121	3	He	0.14	0.0045	220.01	0.0262	0.000803
Sb	121	3	He	0.18	0.0055	280.01	0.0262	0.000803
Ba	137	3	He	0.13	0.002	100.00	0.0098	0.0007342
Ba	137	3	He	0.152	0.0022	110.00	0.0098	0.0007342
Ba	137	3	He	0.245	0.0031	160.01	0.0098	0.0007342
Tl	205	3	He	-0.002	0.0024	120.00	0.1945	0.002744
Tl	205	3	He	-0.001	0.0026	130.00	0.1945	0.002744
Tl	205	3	He	-0.004	0.002	100.00	0.1945	0.002744
Pb	208	3	He	0.098	0.0324	910.07	0.2651	0.006358
Pb	208	3	He	0.091	0.0304	800.05	0.2651	0.006358
Pb	208	3	He	0.1	0.0328	870.08	0.2651	0.006358
U	238	3	He	0.016	0.0054	270.01	0.3022	0.0005338
U	238	3	He	0.006	0.0024	120.01	0.3022	0.0005338
U	238	3	He	0.013	0.0043	220.01	0.3022	0.0005338
Sc	45	1	No Gas			172310.78		
Sc	45	1	No Gas			175628.49		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			169771.07		
Ge	72	1	No Gas			146242.13		
Ge	72	1	No Gas			147828.53		
Ge	72	1	No Gas			145411.81		
Sc	45	2	H2			32777.26		
Sc	45	2	H2			33990.51		
Sc	45	2	H2			34020.57		
Ge	72	2	H2			26184.93		
Ge	72	2	H2			26154.75		
Ge	72	2	H2			25914.05		
In	115	2	H2			59166.93		
In	115	2	H2			60914.71		
In	115	2	H2			59619.03		
Sc	45	3	He			4110.73		
Sc	45	3	He			4420.85		
Sc	45	3	He			3670.58		
Ge	72	3	He			9703.66		
Ge	72	3	He			9803.72		
Ge	72	3	He			9873.74		
In	115	3	He			10914.88		
In	115	3	He			11264.95		
In	115	3	He			10714.46		
Tb	159	3	He			49672.57		
Tb	159	3	He			49400.88		
Tb	159	3	He			50876.65		
Bi	209	3	He			38677.64		
Bi	209	3	He			40062.54		
Bi	209	3	He			40533.51		

Quantitation Report

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Auto Dilution	1.0000
Total Dilution	1.0000
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Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

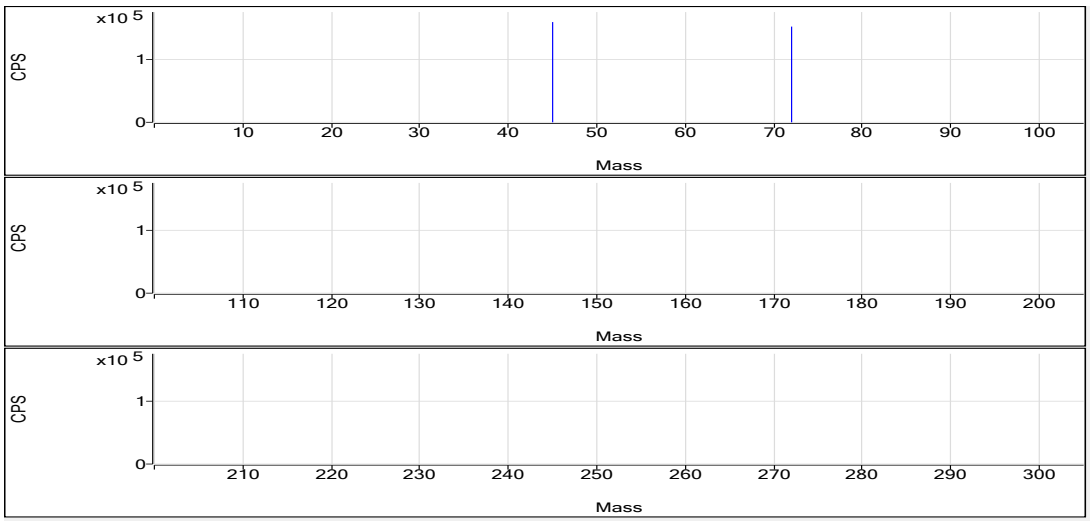
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.025	ppb	91.2	40.00	0.0003	Pulse	0.5000	3
Se	78	72	H2	98.886	ppb	4.1	9186.95	0.3492	Pulse	1.5000	3
Na	23	45	He	225186.044	ppb	4.0	21352713.85	4 875.2394	Analog	0.1000	3
Mg	24	45	He	93146.759	ppb	4.5	4443317.64	1 014.6207	Mix	0.1000	3
Al	27	45	He	94335.930	ppb	3.9	1527483.21	348.7549	Pulse	0.1000	3
K	39	45	He	93375.897	ppb	4.1	4034725.46	921.2077	Pulse	0.1000	3
Ca	44	115	He	283374.610	ppb	4.5	662488.13	62.0671	Pulse	0.1000	3
Ti	47	72	He	1697.508	ppb	3.9	33559.53	3.4594	Pulse	0.1000	3
V	51	45	He	194.701	ppb	3.4	139898.69	31.9380	Pulse	0.5000	3
Cr	52	72	He	169.397	ppb	4.4	171889.19	17.7218	Pulse	0.1000	3
Mn	55	72	He	169.883	ppb	4.6	83913.57	8.6523	Pulse	0.1000	3
Fe	57	45	He	236563.931	ppb	3.4	4290089.52	979.4013	Pulse	0.1000	3
Co	59	72	He	167.982	ppb	4.6	320463.43	33.0434	Pulse	0.1000	3
Ni	60	115	He	184.332	ppb	5.7	85091.59	7.9740	Pulse	0.1000	3
Cu	63	115	He	185.918	ppb	4.4	242555.70	22.7239	Pulse	0.1000	3
Zn	66	115	He	98.919	ppb	3.3	16877.08	1.5801	Pulse	0.1000	3
As	75	115	He	96.374	ppb	2.5	13634.55	1.2767	Pulse	0.5000	3
Sr	88	72	He	2.382	ppb	14.4	2043.56	0.2112	Pulse	0.1000	3
Mo	98	159	He	1901.553	ppb	1.4	2867225.48	57.6805	Pulse	0.1000	3
Ag	107	72	He	43.039	ppb	4.8	146164.70	15.0721	Pulse	0.1000	3
Cd	111	72	He	85.849	ppb	5.4	37796.28	3.8982	Pulse	0.5000	3
Sn	120	159	He	0.984	ppb	6.1	3187.15	0.0641	Pulse	0.1000	3
Sb	121	159	He	0.167	ppb	26.5	256.68	0.0052	Pulse	0.1000	3
Ba	137	159	He	0.232	ppb	22.4	150.01	0.0030	Pulse	0.1000	3
Tl	205	159	He	0.000	ppb	276.9	140.01	0.0028	Pulse	0.1000	3
Pb	208	159	He	0.108	ppb	9.4	1743.45	0.0351	Pulse	0.1000	3
U	238	159	He	0.012	ppb	24.5	200.01	0.0040	Pulse	0.1000	3

ISTD Table:

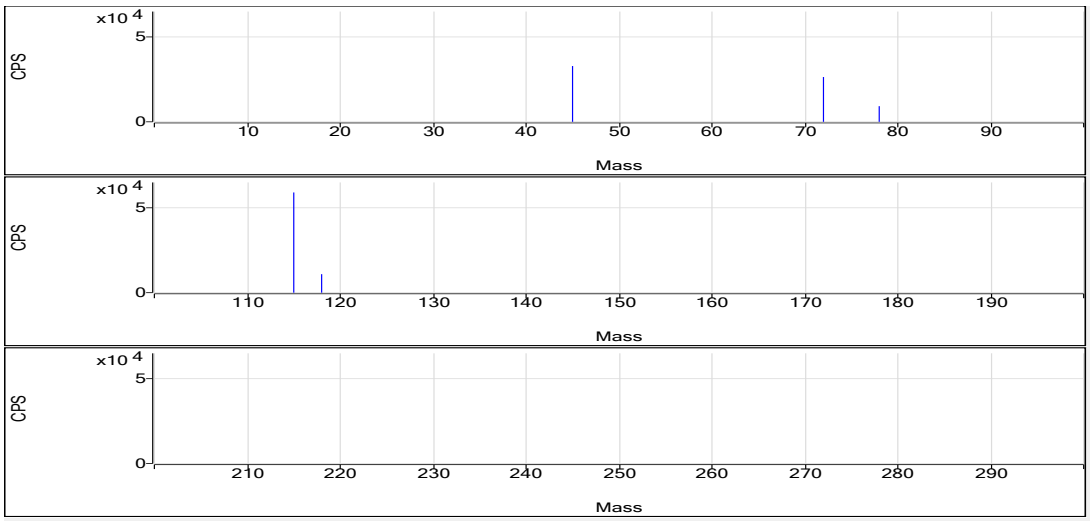
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	159357.97	1.4	87.0	Pulse	0.1000	3
No Gas	Ge	72	152158.55	0.9	135.9	Pulse	0.1000	3
H2	Sc	45	32781.12	1.8	96.7	Pulse	0.1000	3
H2	Ge	72	26321.43	1.8	101.8	Pulse	0.1000	3
H2	In	115	58902.52	3.7	92.1	Pulse	0.1000	3
He	Sc	45	4384.14	3.9	92.2	Pulse	0.1000	3
He	Ge	72	9713.62	5.1	99.8	Pulse	0.1000	3
He	In	115	10685.16	3.6	91.2	Pulse	0.1000	3
He	Tb	159	49712.39	0.8	99.6	Pulse	0.1000	3
He	Bi	209	38771.65	3.2	94.8	Pulse	0.1000	3

No Gas

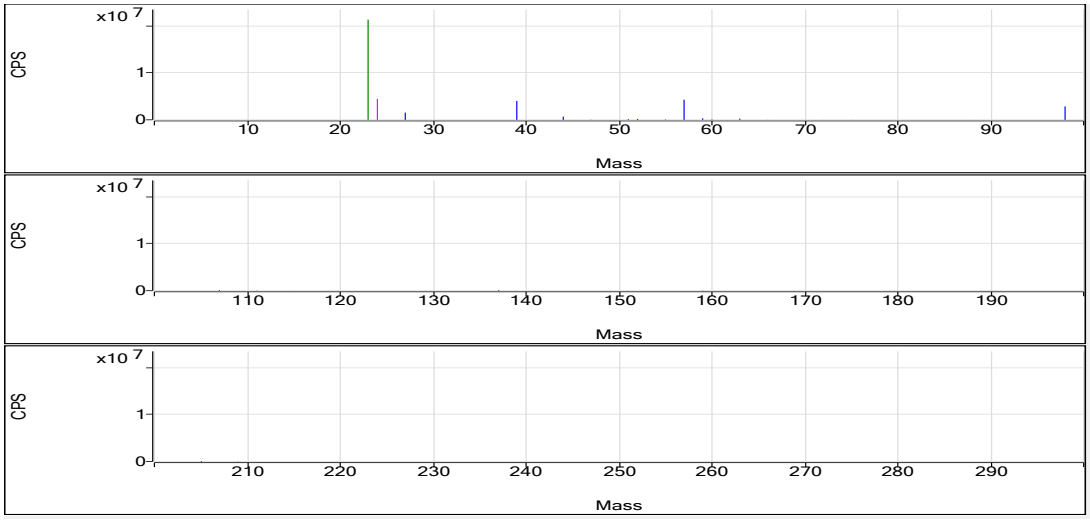


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.043	0.0003	50.00	0.0035	0.0001638
Be	9	1	No Gas	0.034	0.0003	44.00	0.0035	0.0001638
Be	9	1	No Gas	-0.001	0.0002	26.00	0.0035	0.0001638
Se	78	2	H2	95.482	0.3372	9024.85	0.0035	8.664E-05
Se	78	2	H2	97.833	0.3455	9115.57	0.0035	8.664E-05
Se	78	2	H2	103.343	0.3649	9420.44	0.0035	8.664E-05
Na	23	3	He	232710.893	5038.1241	21668014.68	0.0216	0.8064
Na	23	3	He	215064.161	4656.1386	21329212.18	0.0216	0.8064
Na	23	3	He	227783.078	4931.4554	21060914.69	0.0216	0.8064
Mg	24	3	He	96628.47	1052.542	4526783.37	0.0109	0.1054
Mg	24	3	He	88438.212	963.3372	4412932.12	0.0109	0.1054
Mg	24	3	He	94373.596	1027.9829	4390237.43	0.0109	0.1054
Al	27	3	He	96851.211	358.0535	1539919.98	0.0037	0.009095
Al	27	3	He	90149.126	333.2769	1526701.38	0.0037	0.009095
Al	27	3	He	96007.452	354.9342	1515828.26	0.0037	0.009095
K	39	3	He	96494.068	951.9259	4094052.44	0.0099	1.328
K	39	3	He	89167.619	879.7504	4030031.19	0.0099	1.328
K	39	3	He	94466.003	931.9467	3980092.75	0.0099	1.328
Ca	44	3	He	297557.433	65.1733	667922.65	0.0002	0.004867
Ca	44	3	He	280052.012	61.3394	665447.96	0.0002	0.004867
Ca	44	3	He	272514.383	59.6886	654093.78	0.0002	0.004867
Ti	47	3	He	1621.839	3.3052	33990.59	0.002	0
Ti	47	3	He	1740.342	3.5467	33669.87	0.002	0
Ti	47	3	He	1730.345	3.5263	33018.12	0.002	0
V	51	3	He	198.29	32.526	139887.95	0.1638	0.04039
V	51	3	He	187.142	30.6996	140631.19	0.1638	0.04039
V	51	3	He	198.672	32.5886	139176.94	0.1638	0.04039
Cr	52	3	He	160.872	16.8341	173123.26	0.1041	0.08357
Cr	52	3	He	173.652	18.1648	172445.21	0.1041	0.08357
Cr	52	3	He	173.667	18.1664	170099.10	0.1041	0.08357
Mn	55	3	He	160.968	8.1987	84316.13	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	173.157	8.819	83721.86	0.0509	0.00756
Mn	55	3	He	175.523	8.9394	83702.73	0.0509	0.00756
Fe	57	3	He	240785.131	996.8771	4287379.00	0.0041	0.02373
Fe	57	3	He	227409.793	941.503	4312912.44	0.0041	0.02373
Fe	57	3	He	241496.871	999.8237	4269977.12	0.0041	0.02373
Co	59	3	He	159.112	31.2992	321883.22	0.1966	0.009981
Co	59	3	He	171.271	33.6902	319834.29	0.1966	0.009981
Co	59	3	He	173.562	34.1407	319672.79	0.1966	0.009981
Ni	60	3	He	195.475	8.4549	86649.65	0.0432	0.01878
Ni	60	3	He	183.115	7.9215	85937.27	0.0432	0.01878
Ni	60	3	He	174.405	7.5456	82687.86	0.0432	0.01878
Cu	63	3	He	195.073	23.8424	244346.30	0.1222	0.01194
Cu	63	3	He	183.338	22.4088	243104.37	0.1222	0.01194
Cu	63	3	He	179.342	21.9207	240216.42	0.1222	0.01194
Zn	66	3	He	100.423	1.6041	16439.84	0.0159	0.002839
Zn	66	3	He	101.167	1.616	17531.25	0.0159	0.002839
Zn	66	3	He	95.166	1.5203	16660.14	0.0159	0.002839
As	75	3	He	99.086	1.3126	13452.37	0.0132	0.0009658
As	75	3	He	94.533	1.2524	13586.50	0.0132	0.0009658
As	75	3	He	95.504	1.2652	13864.77	0.0132	0.0009658
Sr	88	3	He	2.042	0.1819	1870.19	0.0864	0.005458
Sr	88	3	He	2.73	0.2412	2290.27	0.0864	0.005458
Sr	88	3	He	2.373	0.2104	1970.22	0.0864	0.005458
Mo	98	3	He	1929.899	58.5403	2881949.96	0.0303	0.001942
Mo	98	3	He	1899.713	57.6247	2877983.08	0.0303	0.001942
Mo	98	3	He	1875.048	56.8765	2841743.40	0.0303	0.001942
Ag	107	3	He	40.684	14.2474	146521.20	0.3501	0.002425
Ag	107	3	He	43.878	15.366	145875.41	0.3501	0.002425
Ag	107	3	He	44.555	15.603	146097.49	0.3501	0.002425
Cd	111	3	He	80.51	3.6558	37596.46	0.0454	6.986E-05
Cd	111	3	He	88.248	4.0072	38041.54	0.0454	6.986E-05
Cd	111	3	He	88.789	4.0317	37750.84	0.0454	6.986E-05
Sn	120	3	He	0.944	0.063	3100.47	0.0284	0.03615
Sn	120	3	He	0.955	0.0633	3160.49	0.0284	0.03615
Sn	120	3	He	1.052	0.0661	3300.50	0.0284	0.03615
Sb	121	3	He	0.218	0.0065	320.02	0.0262	0.000803
Sb	121	3	He	0.145	0.0046	230.01	0.0262	0.000803
Sb	121	3	He	0.138	0.0044	220.01	0.0262	0.000803
Ba	137	3	He	0.173	0.0024	120.00	0.0098	0.0007342
Ba	137	3	He	0.272	0.0034	170.01	0.0098	0.0007342
Ba	137	3	He	0.251	0.0032	160.01	0.0098	0.0007342
Tl	205	3	He	0.001	0.0028	140.01	0.1945	0.002744
Tl	205	3	He	-0.001	0.0026	130.00	0.1945	0.002744
Tl	205	3	He	0.001	0.003	150.01	0.1945	0.002744
Pb	208	3	He	0.106	0.0343	890.07	0.2651	0.006358
Pb	208	3	He	0.12	0.038	910.06	0.2651	0.006358
Pb	208	3	He	0.1	0.0328	870.06	0.2651	0.006358
U	238	3	He	0.01	0.0035	170.01	0.3022	0.0005338
U	238	3	He	0.01	0.0036	180.01	0.3022	0.0005338
U	238	3	He	0.015	0.005	250.02	0.3022	0.0005338
Sc	45	1	No Gas			159717.94		
Sc	45	1	No Gas			156999.09		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			161356.88		
Ge	72	1	No Gas			152020.22		
Ge	72	1	No Gas			150910.50		
Ge	72	1	No Gas			153544.92		
Sc	45	2	H2			32126.13		
Sc	45	2	H2			33279.18		
Sc	45	2	H2			32938.06		
Ge	72	2	H2			26765.46		
Ge	72	2	H2			26384.99		
Ge	72	2	H2			25813.83		
In	115	2	H2			58604.13		
In	115	2	H2			56887.51		
In	115	2	H2			61215.92		
Sc	45	3	He			4300.81		
Sc	45	3	He			4580.88		
Sc	45	3	He			4270.73		
Ge	72	3	He			10284.07		
Ge	72	3	He			9493.38		
Ge	72	3	He			9363.40		
In	115	3	He			10264.09		
In	115	3	He			10864.69		
In	115	3	He			10974.67		
Tb	159	3	He			49230.20		
Tb	159	3	He			49943.59		
Tb	159	3	He			49963.37		
Bi	209	3	He			37524.70		
Bi	209	3	He			38778.26		
Bi	209	3	He			40011.98		

Quantitation Report

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Sample Name	LRC 7585747
Sample Type	LRC
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

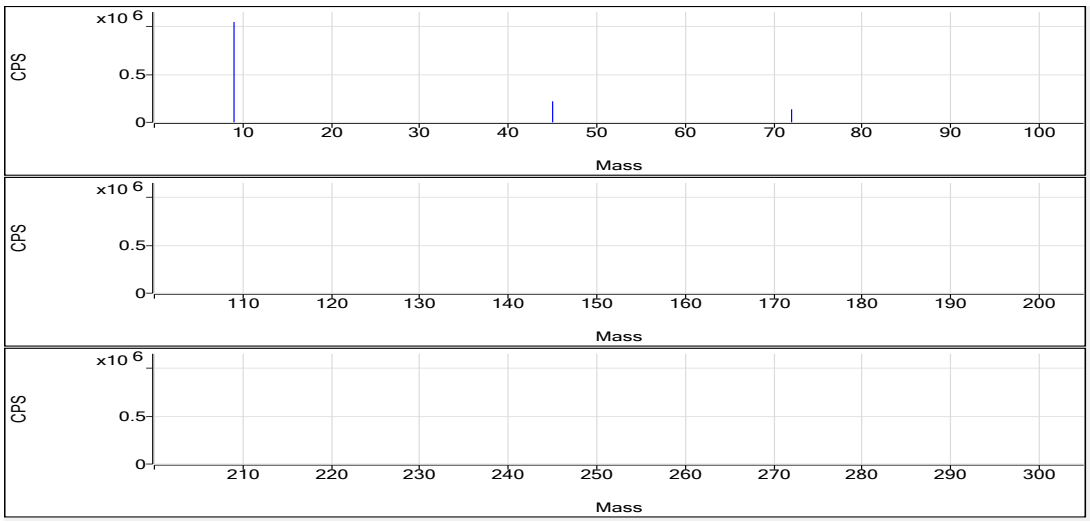
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1373.376	ppb	0.7	1045501.50	4.7732	Pulse	0.5000	3
Se	78	72	H2	1965.995	ppb	1.4	177207.40	6.9410	Pulse	1.5000	3
Na	23	45	He	125533.037	ppb	5.1	14099835.62	2 718.1257	Analog	0.1000	3
Mg	24	45	He	129068.760	ppb	4.2	7295272.60	1 405.8680	Analog	0.1000	3
Al	27	45	He	153311.213	ppb	4.7	2940393.39	566.7776	Pulse	0.1000	3
K	39	45	He	133115.875	ppb	4.0	6812094.90	1 312.7004	Analog	0.1000	3
Ca	44	115	He	106399.105	ppb	4.0	430017.07	23.3075	Pulse	0.1000	3
Ti	47	72	He	1799.506	ppb	1.1	32146.41	3.6672	Pulse	0.1000	3
V	51	45	He	1527.892	ppb	5.0	1298673.17	250.3533	Pulse	0.5000	3
Cr	52	72	He	1738.538	ppb	1.9	1587463.88	181.1058	Pulse	0.1000	3
Mn	55	72	He	5234.394	ppb	2.0	2334786.63	266.3688	Pulse	0.1000	3
Fe	57	45	He	121301.433	ppb	5.0	2605066.63	502.2131	Pulse	0.1000	3
Co	59	72	He	1722.149	ppb	2.0	2968493.18	338.6679	Pulse	0.1000	3
Ni	60	115	He	993.632	ppb	3.6	791589.99	42.9011	Pulse	0.1000	3
Cu	63	115	He	1004.753	ppb	4.2	2264601.37	122.7540	Pulse	0.1000	3
Zn	66	115	He	1040.800	ppb	3.8	306255.30	16.5989	Pulse	0.1000	3
As	75	115	He	1100.612	ppb	3.8	268833.43	14.5705	Pulse	0.5000	3
Sr	88	72	He	1863.652	ppb	2.2	1411066.80	160.9845	Pulse	0.1000	3
Mo	98	159	He	1819.638	ppb	2.0	2782501.52	55.1958	Pulse	0.1000	3
Ag	107	72	He	1840.513	ppb	1.2	5648822.84	644.4419	Pulse	0.1000	3
Cd	111	72	He	1830.199	ppb	1.3	728440.73	83.1044	Pulse	0.5000	3
Sn	120	159	He	1813.962	ppb	1.8	2601277.41	51.6004	Pulse	0.1000	3
Sb	121	159	He	1865.340	ppb	1.3	2459207.73	48.7805	Pulse	0.1000	3
Ba	137	159	He	1891.378	ppb	1.1	937047.98	18.5868	Pulse	0.1000	3
Tl	205	159	He	1859.677	ppb	1.0	18236375.14	361.6941	Analog	0.1000	3
Pb	208	159	He	1903.998	ppb	1.0	25453462.53	504.8238	Analog	0.1000	3
U	238	159	He	0.083	ppb	7.3	1290.12	0.0256	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	219040.82	0.5	119.5	Pulse	0.1000	3
No Gas	Ge	72	135413.04	0.6	120.9	Pulse	0.1000	3
H2	Sc	45	33863.56	2.0	99.9	Pulse	0.1000	3
H2	Ge	72	25533.47	1.5	98.7	Pulse	0.1000	3
H2	In	115	180899.04	0.8	282.9	Pulse	0.1000	3
He	Sc	45	5197.78	6.1	109.3	Pulse	0.1000	3
He	Ge	72	8766.30	1.2	90.1	Pulse	0.1000	3
He	In	115	18471.16	4.5	157.7	Pulse	0.1000	3
He	Tb	159	50418.31	1.0	101.1	Pulse	0.1000	3
He	Bi	209	40586.95	2.8	99.3	Pulse	0.1000	3

No Gas



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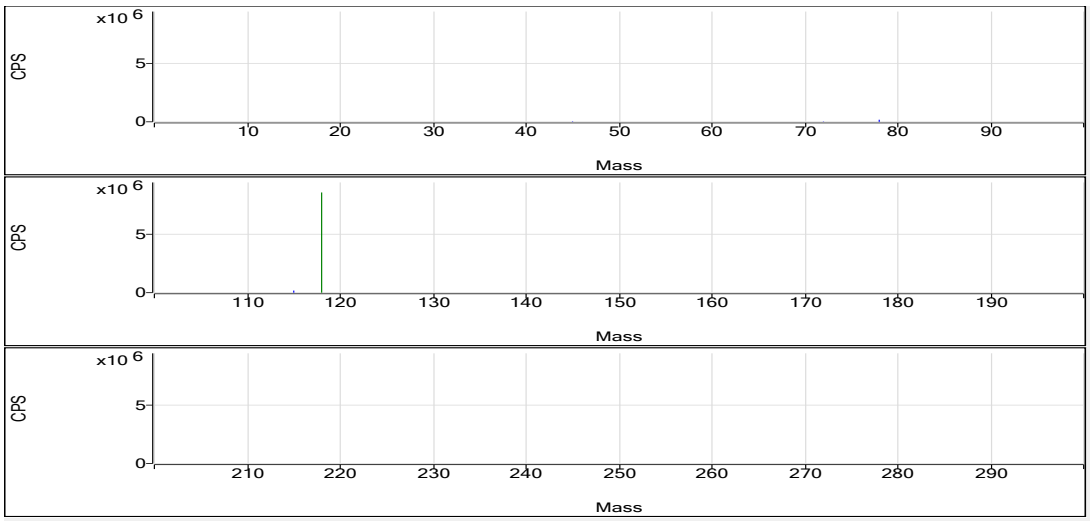
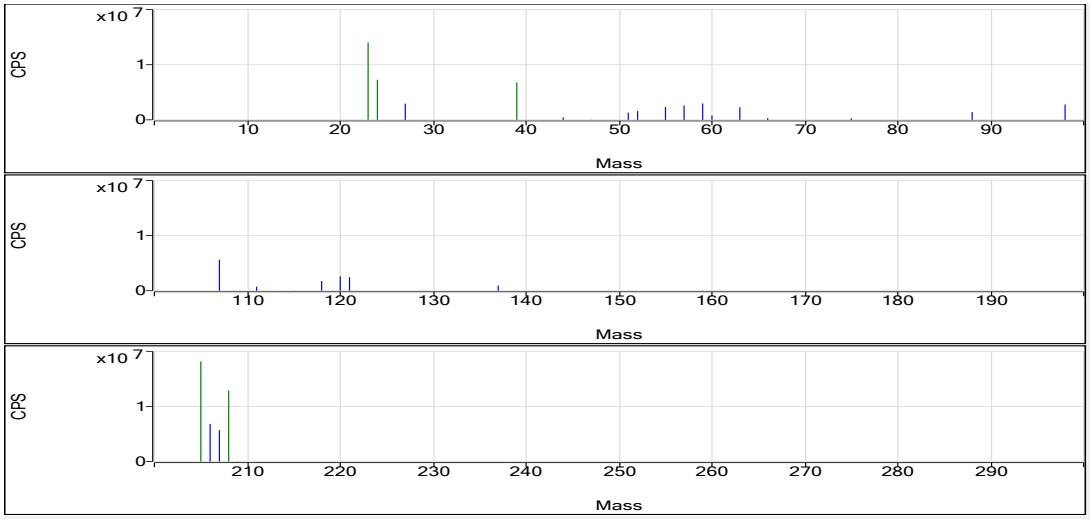


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	1374.707	4.7778	1043027.50	0.0035	0.0001638
Be	9	1	No Gas	1363.006	4.7372	1043951.25	0.0035	0.0001638
Be	9	1	No Gas	1382.416	4.8046	1049525.75	0.0035	0.0001638
Se	78	2	H2	1970.761	6.9578	175426.65	0.0035	8.664E-05
Se	78	2	H2	1936.609	6.8372	177522.44	0.0035	8.664E-05
Se	78	2	H2	1990.615	7.0279	178673.10	0.0035	8.664E-05
Na	23	3	He	123229.107	2668.2542	14385172.29	0.0216	0.8064
Na	23	3	He	120642.907	2612.2727	14030908.54	0.0216	0.8064
Na	23	3	He	132727.097	2873.8501	13883426.04	0.0216	0.8064
Mg	24	3	He	127058.52	1383.9733	7461318.64	0.0109	0.1054
Mg	24	3	He	124976.162	1361.2932	7311709.89	0.0109	0.1054
Mg	24	3	He	135171.598	1472.3376	7112789.27	0.0109	0.1054
Al	27	3	He	149936.348	554.3013	2988365.58	0.0037	0.009095
Al	27	3	He	148413.9	548.673	2947004.96	0.0037	0.009095
Al	27	3	He	161583.39	597.3586	2885809.64	0.0037	0.009095
K	39	3	He	130655.512	1288.4624	6946397.40	0.0099	1.328
K	39	3	He	129450.644	1276.5929	6856771.77	0.0099	1.328
K	39	3	He	139241.47	1373.0458	6633115.53	0.0099	1.328
Ca	44	3	He	108093.939	23.6787	436134.10	0.0002	0.004867
Ca	44	3	He	101528.846	22.2408	429916.75	0.0002	0.004867
Ca	44	3	He	109574.53	24.0029	424000.35	0.0002	0.004867
Ti	47	3	He	1810.532	3.6897	32517.27	0.002	0
Ti	47	3	He	1810.33	3.6893	31886.02	0.002	0
Ti	47	3	He	1777.655	3.6227	32035.95	0.002	0
V	51	3	He	1493.963	244.7948	1319745.25	0.1638	0.04039
V	51	3	He	1474.69	241.6373	1297870.00	0.1638	0.04039
V	51	3	He	1615.023	264.6279	1278404.25	0.1638	0.04039
Cr	52	3	He	1756.552	182.9815	1612608.26	0.1041	0.08357
Cr	52	3	He	1759.284	183.2659	1583938.10	0.1041	0.08357
Cr	52	3	He	1699.778	177.0699	1565845.29	0.1041	0.08357
Mn	55	3	He	5274.037	268.3861	2365275.90	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	5311.239	270.2792	2335979.81	0.0509	0.00756
Mn	55	3	He	5117.906	260.4411	2303104.18	0.0509	0.00756
Fe	57	3	He	118164.96	489.2281	2637541.21	0.0041	0.02373
Fe	57	3	He	117411.31	486.108	2610958.87	0.0041	0.02373
Fe	57	3	He	128328.028	531.3033	2566699.81	0.0041	0.02373
Co	59	3	He	1733.959	340.9904	3005134.33	0.1966	0.009981
Co	59	3	He	1748.553	343.8603	2971929.33	0.1966	0.009981
Co	59	3	He	1683.934	331.153	2928415.89	0.1966	0.009981
Ni	60	3	He	1004.631	43.3758	798933.27	0.0432	0.01878
Ni	60	3	He	953.479	41.1682	795784.36	0.0432	0.01878
Ni	60	3	He	1022.785	44.1592	780052.33	0.0432	0.01878
Cu	63	3	He	1013.85	123.8653	2281459.50	0.1222	0.01194
Cu	63	3	He	959.254	117.1958	2265403.72	0.1222	0.01194
Cu	63	3	He	1041.153	127.2007	2246940.90	0.1222	0.01194
Zn	66	3	He	1053.537	16.802	309473.24	0.0159	0.002839
Zn	66	3	He	996.061	15.8855	307067.69	0.0159	0.002839
Zn	66	3	He	1072.801	17.1091	302224.96	0.0159	0.002839
As	75	3	He	1114.55	14.755	271771.22	0.0132	0.0009658
As	75	3	He	1053.322	13.9445	269548.69	0.0132	0.0009658
As	75	3	He	1133.963	15.012	265180.38	0.0132	0.0009658
Sr	88	3	He	1884.835	162.8142	1434875.13	0.0864	0.005458
Sr	88	3	He	1890.083	163.2675	1411095.14	0.0864	0.005458
Sr	88	3	He	1816.038	156.8717	1387230.14	0.0864	0.005458
Mo	98	3	He	1851.156	56.1518	2810619.02	0.0303	0.001942
Mo	98	3	He	1828.199	55.4555	2783002.15	0.0303	0.001942
Mo	98	3	He	1779.56	53.9802	2753883.40	0.0303	0.001942
Ag	107	3	He	1831.372	641.241	5651231.17	0.3501	0.002425
Ag	107	3	He	1865.236	653.0982	5644623.67	0.3501	0.002425
Ag	107	3	He	1824.932	638.9863	5650613.67	0.3501	0.002425
Cd	111	3	He	1823.495	82.8	729713.31	0.0454	6.986E-05
Cd	111	3	He	1856.675	84.3066	728648.50	0.0454	6.986E-05
Cd	111	3	He	1810.426	82.2066	726960.38	0.0454	6.986E-05
Sn	120	3	He	1838.621	52.3014	2617891.52	0.0284	0.03615
Sn	120	3	He	1827.278	51.979	2608535.90	0.0284	0.03615
Sn	120	3	He	1775.986	50.5209	2577404.81	0.0284	0.03615
Sb	121	3	He	1885.096	49.2971	2467512.31	0.0262	0.000803
Sb	121	3	He	1872.93	48.9789	2457980.59	0.0262	0.000803
Sb	121	3	He	1837.994	48.0654	2452130.28	0.0262	0.000803
Ba	137	3	He	1902.862	18.6997	935992.10	0.0098	0.0007342
Ba	137	3	He	1903.291	18.7039	938644.60	0.0098	0.0007342
Ba	137	3	He	1867.982	18.3569	936507.25	0.0098	0.0007342
Tl	205	3	He	1840.156	357.8974	17914169.73	0.1945	0.002744
Tl	205	3	He	1875.414	364.7548	18305014.73	0.1945	0.002744
Tl	205	3	He	1863.461	362.43	18489940.97	0.1945	0.002744
Pb	208	3	He	1882.94	499.2406	12741882.31	0.2651	0.006358
Pb	208	3	He	1913.419	507.3216	12838021.06	0.2651	0.006358
Pb	208	3	He	1915.635	507.9092	13090617.30	0.2651	0.006358
U	238	3	He	0.08	0.0246	1230.11	0.3022	0.0005338
U	238	3	He	0.09	0.0277	1390.13	0.3022	0.0005338
U	238	3	He	0.079	0.0245	1250.11	0.3022	0.0005338
Sc	45	1	No Gas			218306.09		
Sc	45	1	No Gas			220375.15		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			218441.21		
Ge	72	1	No Gas			135294.78		
Ge	72	1	No Gas			136326.01		
Ge	72	1	No Gas			134618.34		
Sc	45	2	H2			34010.49		
Sc	45	2	H2			33108.67		
Sc	45	2	H2			34471.51		
Ge	72	2	H2			25212.93		
Ge	72	2	H2			25964.08		
Ge	72	2	H2			25423.40		
In	115	2	H2			181575.84		
In	115	2	H2			179334.94		
In	115	2	H2			181786.34		
Sc	45	3	He			5391.23		
Sc	45	3	He			5371.15		
Sc	45	3	He			4830.95		
Ge	72	3	He			8812.96		
Ge	72	3	He			8642.84		
Ge	72	3	He			8843.09		
In	115	3	He			32248.43		
In	115	3	He			33100.30		
In	115	3	He			31285.83		
Tb	159	3	He			50053.92		
Tb	159	3	He			50184.44		
Tb	159	3	He			51016.58		
Bi	209	3	He			39951.51		
Bi	209	3	He			39921.62		
Bi	209	3	He			41887.72		

Quantitation Report

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Sample Type	CCV
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

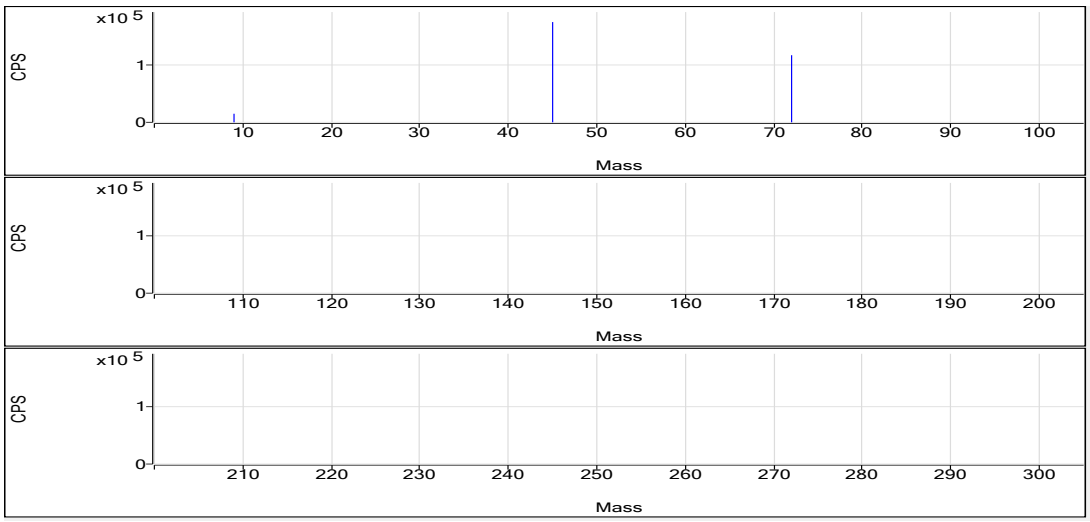
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	24.514	ppb	1.5	15012.90	0.0854	Pulse	0.5000	3
Se	78	72	H2	25.206	ppb	2.8	2265.52	0.0891	Pulse	1.5000	3
Na	23	45	He	2371.370	ppb	2.7	248445.73	52.1377	Pulse	0.1000	3
Mg	24	45	He	2408.414	ppb	2.5	125509.90	26.3368	Pulse	0.1000	3
Al	27	45	He	2449.934	ppb	4.6	43184.09	9.0661	Pulse	0.1000	3
K	39	45	He	2401.566	ppb	3.0	119082.63	24.9871	Pulse	0.1000	3
Ca	44	115	He	2422.417	ppb	2.2	6388.25	0.5354	Pulse	0.1000	3
Ti	47	72	He	2370.879	ppb	3.6	46043.93	4.8317	Pulse	0.1000	3
V	51	45	He	243.160	ppb	3.0	190001.01	39.8770	Pulse	0.5000	3
Cr	52	72	He	238.586	ppb	2.4	237542.90	24.9259	Pulse	0.1000	3
Mn	55	72	He	238.622	ppb	1.9	115801.05	12.1503	Pulse	0.1000	3
Fe	57	45	He	2390.676	ppb	1.2	47288.53	9.9212	Pulse	0.1000	3
Co	59	72	He	238.049	ppb	2.8	446183.16	46.8219	Pulse	0.1000	3
Ni	60	115	He	238.664	ppb	1.0	123106.45	10.3188	Pulse	0.1000	3
Cu	63	115	He	237.922	ppb	1.7	346864.36	29.0769	Pulse	0.1000	3
Zn	66	115	He	243.658	ppb	2.2	46378.98	3.8881	Pulse	0.1000	3
As	75	115	He	240.829	ppb	2.7	38038.46	3.1890	Pulse	0.5000	3
Sr	88	72	He	23.413	ppb	2.7	19323.77	2.0278	Pulse	0.1000	3
Mo	98	159	He	24.433	ppb	0.1	38931.38	0.7431	Pulse	0.1000	3
Ag	107	72	He	25.034	ppb	0.8	83580.01	8.7679	Pulse	0.1000	3
Cd	111	72	He	24.265	ppb	3.2	10499.32	1.1019	Pulse	0.5000	3
Sn	120	159	He	24.948	ppb	2.0	39049.24	0.7453	Pulse	0.1000	3
Sb	121	159	He	23.881	ppb	1.4	32759.58	0.6253	Pulse	0.1000	3
Ba	137	159	He	242.049	ppb	0.9	124654.27	2.3793	Pulse	0.1000	3
Tl	205	159	He	25.130	ppb	2.4	256198.16	4.8903	Pulse	0.1000	3
Pb	208	159	He	25.038	ppb	2.3	348112.02	6.6447	Pulse	0.1000	3
U	238	159	He	25.083	ppb	3.0	397088.25	7.5797	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	175890.08	0.6	96.0	Pulse	0.1000	3
No Gas	Ge	72	117725.71	1.3	105.1	Pulse	0.1000	3
H2	Sc	45	33867.05	0.7	99.9	Pulse	0.1000	3
H2	Ge	72	25443.35	2.0	98.4	Pulse	0.1000	3
H2	In	115	64909.38	1.5	101.5	Pulse	0.1000	3
He	Sc	45	4767.61	3.1	100.3	Pulse	0.1000	3
He	Ge	72	9533.54	2.4	98.0	Pulse	0.1000	3
He	In	115	11931.69	1.8	101.9	Pulse	0.1000	3
He	Tb	159	52392.80	0.5	105.0	Pulse	0.1000	3
He	Bi	209	43219.05	2.9	105.7	Pulse	0.1000	3

No Gas



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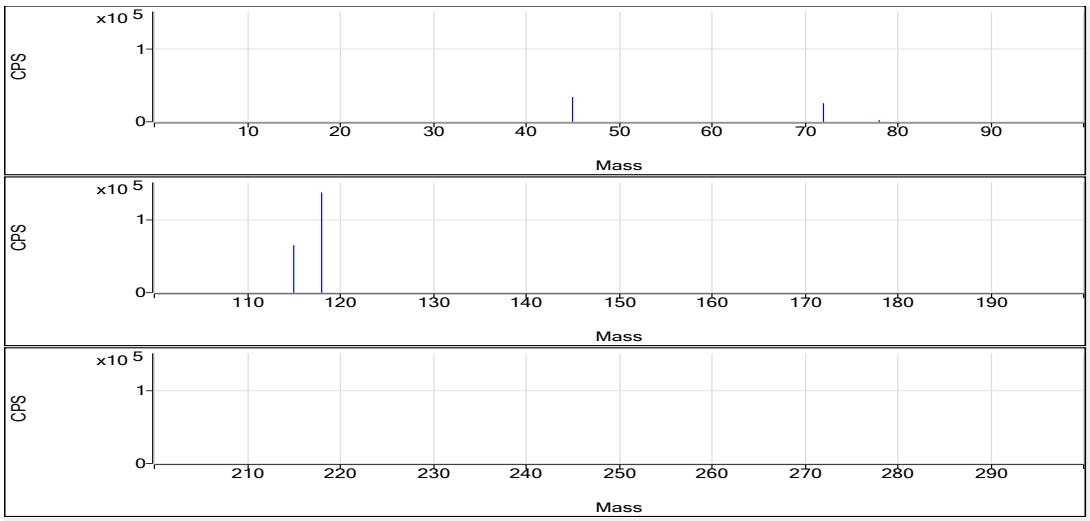
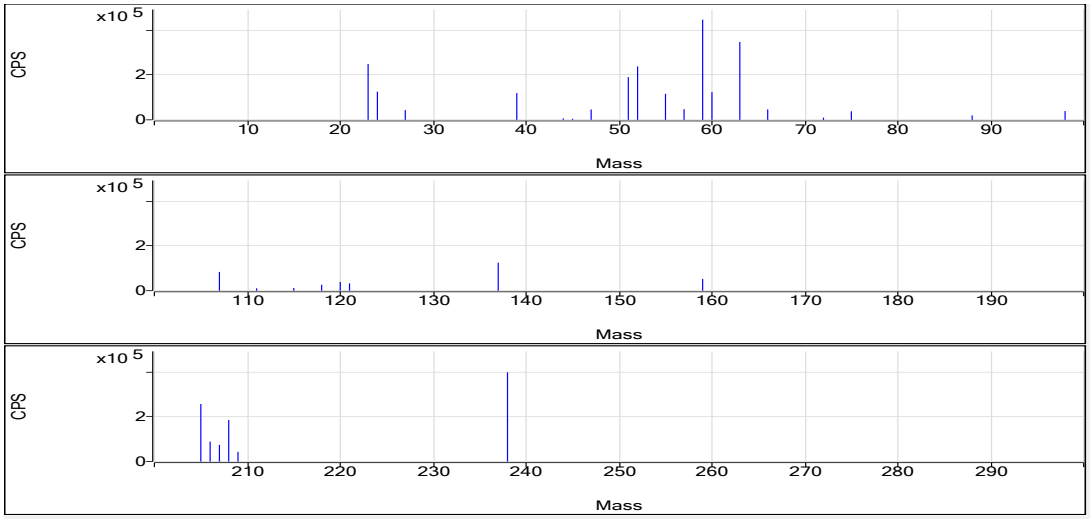


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	24.102	0.0839	14857.42	0.0035	0.0001638
Be	9	1	No Gas	24.662	0.0859	15023.56	0.0035	0.0001638
Be	9	1	No Gas	24.777	0.0863	15157.72	0.0035	0.0001638
Se	78	2	H2	24.554	0.0868	2240.85	0.0035	8.664E-05
Se	78	2	H2	25.114	0.0888	2276.85	0.0035	8.664E-05
Se	78	2	H2	25.948	0.0917	2278.85	0.0035	8.664E-05
Na	23	3	He	2317.8	50.9781	250861.60	0.0216	0.8064
Na	23	3	He	2441.526	53.6563	248476.91	0.0216	0.8064
Na	23	3	He	2354.783	51.7786	245998.67	0.0216	0.8064
Mg	24	3	He	2369.66	25.9147	127525.62	0.0109	0.1054
Mg	24	3	He	2477.162	27.0856	125430.70	0.0109	0.1054
Mg	24	3	He	2378.419	26.0101	123573.38	0.0109	0.1054
Al	27	3	He	2342.093	8.6675	42652.31	0.0037	0.009095
Al	27	3	He	2565.693	9.4941	43966.12	0.0037	0.009095
Al	27	3	He	2442.016	9.0369	42933.85	0.0037	0.009095
K	39	3	He	2375.43	24.7297	121693.99	0.0099	1.328
K	39	3	He	2482.276	25.7823	119395.03	0.0099	1.328
K	39	3	He	2346.991	24.4495	116158.88	0.0099	1.328
Ca	44	3	He	2484.376	0.549	6561.67	0.0002	0.004867
Ca	44	3	He	2396.566	0.5297	6201.51	0.0002	0.004867
Ca	44	3	He	2386.307	0.5275	6401.57	0.0002	0.004867
Ti	47	3	He	2394.208	4.8792	45441.53	0.002	0
Ti	47	3	He	2442.21	4.977	47398.41	0.002	0
Ti	47	3	He	2276.22	4.6387	45291.85	0.002	0
V	51	3	He	235.741	38.6616	190252.73	0.1638	0.04039
V	51	3	He	250.507	41.0806	190240.30	0.1638	0.04039
V	51	3	He	243.231	39.8887	189510.00	0.1638	0.04039
Cr	52	3	He	244.103	25.5003	237493.04	0.1041	0.08357
Cr	52	3	He	238.932	24.962	237724.51	0.1041	0.08357
Cr	52	3	He	232.723	24.3154	237411.15	0.1041	0.08357
Mn	55	3	He	242.387	12.3419	114943.85	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	239.928	12.2167	116345.54	0.0509	0.00756
Mn	55	3	He	233.552	11.8922	116113.76	0.0509	0.00756
Fe	57	3	He	2360.736	9.7972	48211.75	0.0041	0.02373
Fe	57	3	He	2418.943	10.0382	46485.81	0.0041	0.02373
Fe	57	3	He	2392.35	9.9281	47168.04	0.0041	0.02373
Co	59	3	He	244.556	48.1015	447985.19	0.1966	0.009981
Co	59	3	He	238.222	46.856	446231.20	0.1966	0.009981
Co	59	3	He	231.368	45.5081	444333.08	0.1966	0.009981
Ni	60	3	He	239.092	10.3373	123557.82	0.0432	0.01878
Ni	60	3	He	240.85	10.4132	121903.48	0.0432	0.01878
Ni	60	3	He	236.05	10.206	123858.04	0.0432	0.01878
Cu	63	3	He	237.605	29.0381	347081.87	0.1222	0.01194
Cu	63	3	He	242.181	29.5972	346483.90	0.1222	0.01194
Cu	63	3	He	233.981	28.5954	347027.30	0.1222	0.01194
Zn	66	3	He	244.098	3.8951	46556.60	0.0159	0.002839
Zn	66	3	He	248.851	3.9709	46485.76	0.0159	0.002839
Zn	66	3	He	238.024	3.7982	46094.57	0.0159	0.002839
As	75	3	He	238.104	3.1529	37685.56	0.0132	0.0009658
As	75	3	He	248.129	3.2856	38463.61	0.0132	0.0009658
As	75	3	He	236.256	3.1284	37966.20	0.0132	0.0009658
Sr	88	3	He	24.007	2.0792	19363.84	0.0864	0.005458
Sr	88	3	He	23.488	2.0343	19373.88	0.0864	0.005458
Sr	88	3	He	22.742	1.9699	19233.58	0.0864	0.005458
Mo	98	3	He	24.448	0.7435	39185.60	0.0303	0.001942
Mo	98	3	He	24.445	0.7434	38814.27	0.0303	0.001942
Mo	98	3	He	24.408	0.7423	38794.28	0.0303	0.001942
Ag	107	3	He	25.124	8.7993	81950.53	0.3501	0.002425
Ag	107	3	He	25.182	8.8195	83992.29	0.3501	0.002425
Ag	107	3	He	24.797	8.6848	84797.20	0.3501	0.002425
Cd	111	3	He	24.988	1.1347	10568.04	0.0454	6.986E-05
Cd	111	3	He	24.367	1.1065	10538.00	0.0454	6.986E-05
Cd	111	3	He	23.438	1.0643	10391.92	0.0454	6.986E-05
Sn	120	3	He	24.737	0.7393	38965.50	0.0284	0.03615
Sn	120	3	He	25.523	0.7617	39768.39	0.0284	0.03615
Sn	120	3	He	24.585	0.735	38413.83	0.0284	0.03615
Sb	121	3	He	23.513	0.6157	32448.70	0.0262	0.000803
Sb	121	3	He	23.955	0.6272	32749.60	0.0262	0.000803
Sb	121	3	He	24.174	0.633	33080.45	0.0262	0.000803
Ba	137	3	He	239.949	2.3587	124310.75	0.0098	0.0007342
Ba	137	3	He	244.498	2.4034	125483.00	0.0098	0.0007342
Ba	137	3	He	241.701	2.3759	124169.07	0.0098	0.0007342
Tl	205	3	He	24.499	4.7676	251270.86	0.1945	0.002744
Tl	205	3	He	25.168	4.8977	255718.63	0.1945	0.002744
Tl	205	3	He	25.723	5.0056	261605.00	0.1945	0.002744
Pb	208	3	He	24.452	6.4894	183450.27	0.2651	0.006358
Pb	208	3	He	25.059	6.6505	183980.04	0.2651	0.006358
Pb	208	3	He	25.602	6.7943	187832.17	0.2651	0.006358
U	238	3	He	24.378	7.3666	388251.13	0.3022	0.0005338
U	238	3	He	25.009	7.5574	394584.68	0.3022	0.0005338
U	238	3	He	25.861	7.8149	408428.94	0.3022	0.0005338
Sc	45	1	No Gas			177026.95		
Sc	45	1	No Gas			174950.93		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			175692.36		
Ge	72	1	No Gas			119486.83		
Ge	72	1	No Gas			117076.15		
Ge	72	1	No Gas			116614.15		
Sc	45	2	H2			33940.36		
Sc	45	2	H2			34050.90		
Sc	45	2	H2			33609.90		
Ge	72	2	H2			25823.95		
Ge	72	2	H2			25653.91		
Ge	72	2	H2			24852.19		
In	115	2	H2			64088.42		
In	115	2	H2			65968.42		
In	115	2	H2			64671.29		
Sc	45	3	He			4920.97		
Sc	45	3	He			4630.90		
Sc	45	3	He			4750.97		
Ge	72	3	He			9313.33		
Ge	72	3	He			9523.46		
Ge	72	3	He			9763.82		
In	115	3	He			12155.61		
In	115	3	He			11915.44		
In	115	3	He			12345.74		
Tb	159	3	He			52704.06		
Tb	159	3	He			52211.64		
Tb	159	3	He			52262.69		
Bi	209	3	He			41968.05		
Bi	209	3	He			43222.29		
Bi	209	3	He			44466.81		

Quantitation Report

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Sample Type	CCB
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

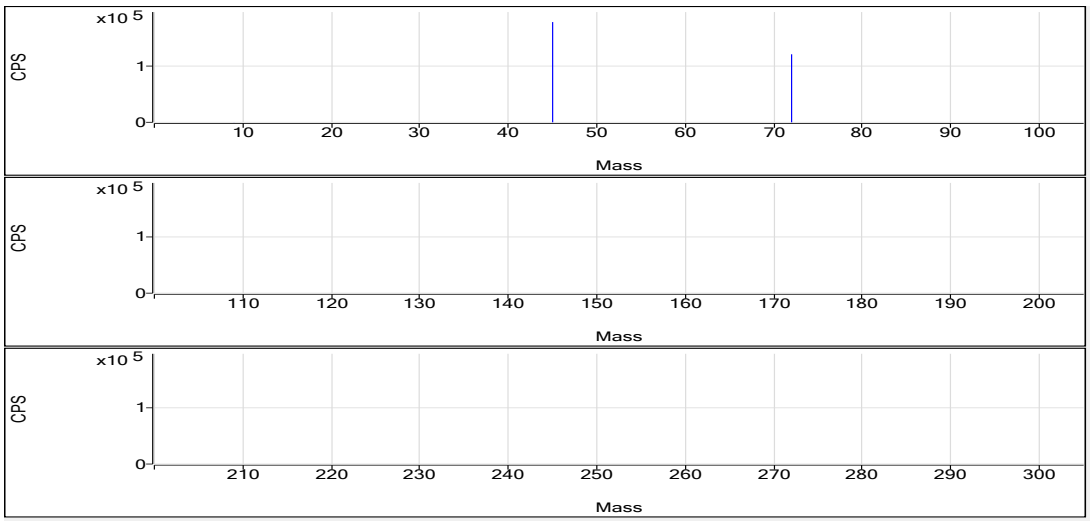
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.151	ppb	35.1	123.33	0.0007	Pulse	0.5000	3
Se	78	72	H2	0.026	ppb	48.0	4.67	0.0002	Pulse	1.5000	3
Na	23	45	He	-1.099	ppb	N/A	3523.90	0.7826	Pulse	0.1000	3
Mg	24	45	He	1.097	ppb	142.5	530.03	0.1173	Pulse	0.1000	3
Al	27	45	He	0.131	ppb	664.3	43.33	0.0096	Pulse	0.1000	3
K	39	45	He	1.977	ppb	944.4	6051.46	1.3479	Pulse	0.1000	3
Ca	44	115	He	-1.628	ppb	N/A	53.33	0.0045	Pulse	0.1000	3
Ti	47	72	He	1.170	ppb	48.8	23.33	0.0024	Pulse	0.1000	3
V	51	45	He	0.062	ppb	22.8	227.33	0.0505	Pulse	0.5000	3
Cr	52	72	He	0.010	ppb	1192.9	823.38	0.0846	Pulse	0.1000	3
Mn	55	72	He	0.073	ppb	52.6	110.00	0.0113	Pulse	0.1000	3
Fe	57	45	He	2.622	ppb	102.4	156.67	0.0346	Pulse	0.1000	3
Co	59	72	He	0.010	ppb	119.3	116.67	0.0120	Pulse	0.1000	3
Ni	60	115	He	-0.045	ppb	N/A	196.68	0.0168	Pulse	0.1000	3
Cu	63	115	He	0.037	ppb	18.5	193.34	0.0164	Pulse	0.1000	3
Zn	66	115	He	0.300	ppb	24.6	90.00	0.0076	Pulse	0.1000	3
As	75	115	He	0.124	ppb	47.6	30.67	0.0026	Pulse	0.5000	3
Sr	88	72	He	-0.020	ppb	N/A	36.67	0.0038	Pulse	0.1000	3
Mo	98	159	He	0.057	ppb	47.2	193.34	0.0037	Pulse	0.1000	3
Ag	107	72	He	0.006	ppb	105.0	43.33	0.0044	Pulse	0.1000	3
Cd	111	72	He	0.009	ppb	127.4	4.67	0.0005	Pulse	0.5000	3
Sn	120	159	He	0.134	ppb	107.4	2093.58	0.0400	Pulse	0.1000	3
Sb	121	159	He	0.047	ppb	95.9	106.67	0.0020	Pulse	0.1000	3
Ba	137	159	He	-0.004	ppb	N/A	36.67	0.0007	Pulse	0.1000	3
Tl	205	159	He	0.010	ppb	33.1	243.34	0.0046	Pulse	0.1000	3
Pb	208	159	He	0.008	ppb	57.9	443.35	0.0085	Pulse	0.1000	3
U	238	159	He	0.004	ppb	78.3	86.67	0.0016	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	178559.22	1.5	97.4	Pulse	0.1000	3
No Gas	Ge	72	121177.14	2.6	108.2	Pulse	0.1000	3
H2	Sc	45	33459.30	0.8	98.7	Pulse	0.1000	3
H2	Ge	72	26325.13	0.8	101.8	Pulse	0.1000	3
H2	In	115	64132.17	1.5	100.3	Pulse	0.1000	3
He	Sc	45	4504.19	3.8	94.7	Pulse	0.1000	3
He	Ge	72	9743.67	1.5	100.1	Pulse	0.1000	3
He	In	115	11774.42	4.0	100.5	Pulse	0.1000	3
He	Tb	159	52455.99	2.1	105.1	Pulse	0.1000	3
He	Bi	209	43770.72	1.6	107.1	Pulse	0.1000	3

No Gas



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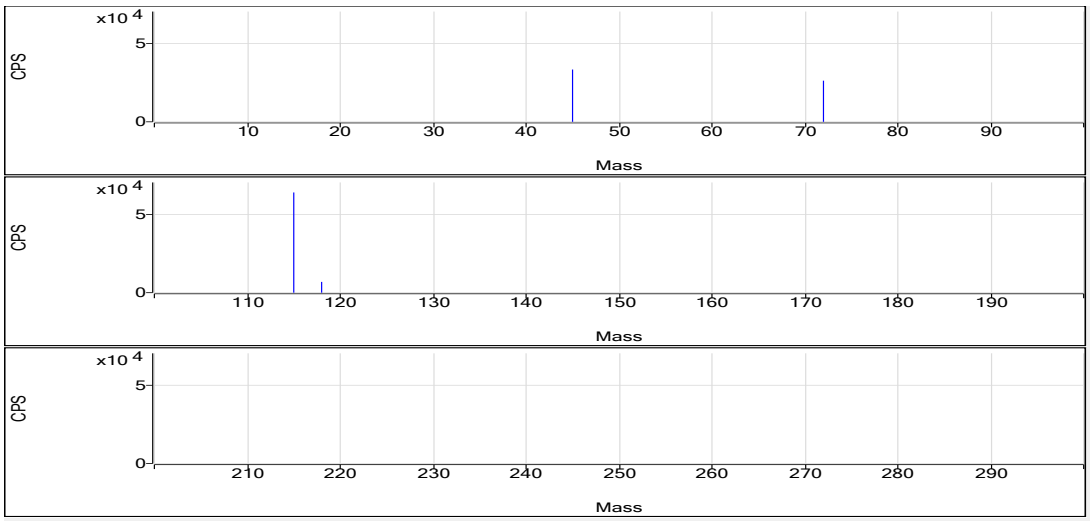
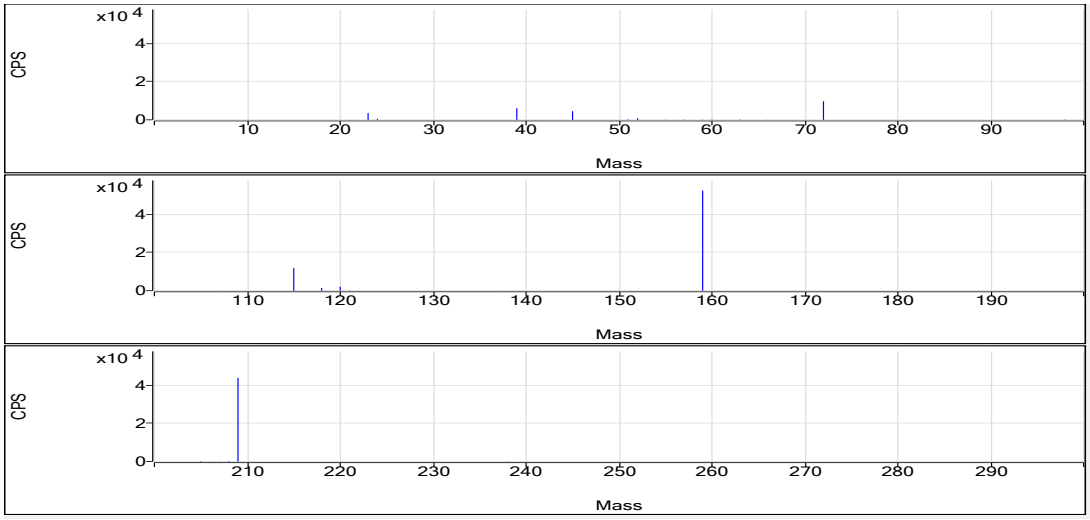


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.198	0.0009	152.00	0.0035	0.0001638
Be	9	1	No Gas	0.094	0.0005	86.00	0.0035	0.0001638
Be	9	1	No Gas	0.162	0.0007	132.00	0.0035	0.0001638
Se	78	2	H2	0.04	0.0002	6.00	0.0035	8.664E-05
Se	78	2	H2	0.019	0.0002	4.00	0.0035	8.664E-05
Se	78	2	H2	0.018	0.0002	4.00	0.0035	8.664E-05
Na	23	3	He	-1.455	0.7749	3340.49	0.0216	0.8064
Na	23	3	He	-4.2	0.7155	3320.53	0.0216	0.8064
Na	23	3	He	2.357	0.8574	3910.67	0.0216	0.8064
Mg	24	3	He	-0.518	0.0998	430.02	0.0109	0.1054
Mg	24	3	He	1.205	0.1185	550.04	0.0109	0.1054
Mg	24	3	He	2.604	0.1338	610.03	0.0109	0.1054
Al	27	3	He	-0.578	0.007	30.00	0.0037	0.009095
Al	27	3	He	-0.129	0.0086	40.00	0.0037	0.009095
Al	27	3	He	1.098	0.0132	60.00	0.0037	0.009095
K	39	3	He	23.43	1.5593	6721.74	0.0099	1.328
K	39	3	He	-6.866	1.2608	5851.38	0.0099	1.328
K	39	3	He	-10.633	1.2237	5581.25	0.0099	1.328
Ca	44	3	He	-6.658	0.0034	40.00	0.0002	0.004867
Ca	44	3	He	3.834	0.0057	70.00	0.0002	0.004867
Ca	44	3	He	-2.06	0.0044	50.00	0.0002	0.004867
Ti	47	3	He	1.511	0.0031	30.00	0.002	0
Ti	47	3	He	1.488	0.003	30.00	0.002	0
Ti	47	3	He	0.511	0.001	10.00	0.002	0
V	51	3	He	0.056	0.0496	214.00	0.1638	0.04039
V	51	3	He	0.051	0.0487	226.00	0.1638	0.04039
V	51	3	He	0.077	0.0531	242.00	0.1638	0.04039
Cr	52	3	He	-0.063	0.077	750.04	0.1041	0.08357
Cr	52	3	He	-0.055	0.0778	770.05	0.1041	0.08357
Cr	52	3	He	0.149	0.099	950.06	0.1041	0.08357
Mn	55	3	He	0.033	0.0092	90.00	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.11	0.0131	130.00	0.0509	0.00756
Mn	55	3	He	0.077	0.0115	110.00	0.0509	0.00756
Fe	57	3	He	0.993	0.0278	120.01	0.0041	0.02373
Fe	57	3	He	5.719	0.0474	220.01	0.0041	0.02373
Fe	57	3	He	1.153	0.0285	130.00	0.0041	0.02373
Co	59	3	He	-0.004	0.0092	90.00	0.1966	0.009981
Co	59	3	He	0.016	0.0131	130.01	0.1966	0.009981
Co	59	3	He	0.018	0.0136	130.00	0.1966	0.009981
Ni	60	3	He	-0.08	0.0153	180.01	0.0432	0.01878
Ni	60	3	He	-0.133	0.013	160.01	0.0432	0.01878
Ni	60	3	He	0.077	0.0221	250.01	0.0432	0.01878
Cu	63	3	He	0.042	0.017	200.01	0.1222	0.01194
Cu	63	3	He	0.029	0.0155	190.01	0.1222	0.01194
Cu	63	3	He	0.04	0.0168	190.01	0.1222	0.01194
Zn	66	3	He	0.249	0.0068	80.00	0.0159	0.002839
Zn	66	3	He	0.384	0.009	110.00	0.0159	0.002839
Zn	66	3	He	0.265	0.0071	80.00	0.0159	0.002839
As	75	3	He	0.056	0.0017	20.00	0.0132	0.0009658
As	75	3	He	0.161	0.0031	38.00	0.0132	0.0009658
As	75	3	He	0.154	0.003	34.00	0.0132	0.0009658
Sr	88	3	He	0.008	0.0062	60.00	0.0864	0.005458
Sr	88	3	He	-0.028	0.003	30.00	0.0864	0.005458
Sr	88	3	He	-0.039	0.0021	20.00	0.0864	0.005458
Mo	98	3	He	0.032	0.0029	150.01	0.0303	0.001942
Mo	98	3	He	0.086	0.0046	240.01	0.0303	0.001942
Mo	98	3	He	0.053	0.0036	190.01	0.0303	0.001942
Ag	107	3	He	0.011	0.0062	60.00	0.3501	0.002425
Ag	107	3	He	0.008	0.0051	50.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.0021	20.00	0.3501	0.002425
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	0.021	0.001	10.00	0.0454	6.986E-05
Sn	120	3	He	0.301	0.0447	2290.26	0.0284	0.03615
Sn	120	3	He	0.044	0.0374	1970.27	0.0284	0.03615
Sn	120	3	He	0.059	0.0378	2020.21	0.0284	0.03615
Sb	121	3	He	0.022	0.0014	70.00	0.0262	0.000803
Sb	121	3	He	0.02	0.0013	70.00	0.0262	0.000803
Sb	121	3	He	0.098	0.0034	180.01	0.0262	0.000803
Ba	137	3	He	-0.035	0.0004	20.00	0.0098	0.0007342
Ba	137	3	He	0.06	0.0013	70.00	0.0098	0.0007342
Ba	137	3	He	-0.037	0.0004	20.00	0.0098	0.0007342
Tl	205	3	He	0.011	0.0049	250.01	0.1945	0.002744
Tl	205	3	He	0.012	0.0051	270.01	0.1945	0.002744
Tl	205	3	He	0.006	0.0039	210.01	0.1945	0.002744
Pb	208	3	He	0.009	0.0088	260.01	0.2651	0.006358
Pb	208	3	He	0.012	0.0095	330.02	0.2651	0.006358
Pb	208	3	He	0.003	0.0071	210.01	0.2651	0.006358
U	238	3	He	0.003	0.0014	70.00	0.3022	0.0005338
U	238	3	He	0.001	0.0009	50.00	0.3022	0.0005338
U	238	3	He	0.007	0.0026	140.01	0.3022	0.0005338
Sc	45	1	No Gas			178456.52		
Sc	45	1	No Gas			175933.67		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			181287.48		
Ge	72	1	No Gas			121501.80		
Ge	72	1	No Gas			117843.60		
Ge	72	1	No Gas			124186.03		
Sc	45	2	H2			33208.79		
Sc	45	2	H2			33439.20		
Sc	45	2	H2			33729.90		
Ge	72	2	H2			26384.93		
Ge	72	2	H2			26094.86		
Ge	72	2	H2			26495.60		
In	115	2	H2			63797.41		
In	115	2	H2			63385.62		
In	115	2	H2			65213.47		
Sc	45	3	He			4310.78		
Sc	45	3	He			4640.91		
Sc	45	3	He			4560.89		
Ge	72	3	He			9743.61		
Ge	72	3	He			9893.81		
Ge	72	3	He			9593.58		
In	115	3	He			11745.41		
In	115	3	He			12275.83		
In	115	3	He			11335.10		
Tb	159	3	He			51247.88		
Tb	159	3	He			52703.39		
Tb	159	3	He			53416.70		
Bi	209	3	He			42971.12		
Bi	209	3	He			44034.76		
Bi	209	3	He			44306.29		

Quantitation Report

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Acq Time	6/12/2025 5:10:50 PM
Sample Name	MB 410-654487/1-A
Sample Type	Sample
Comment	A29
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

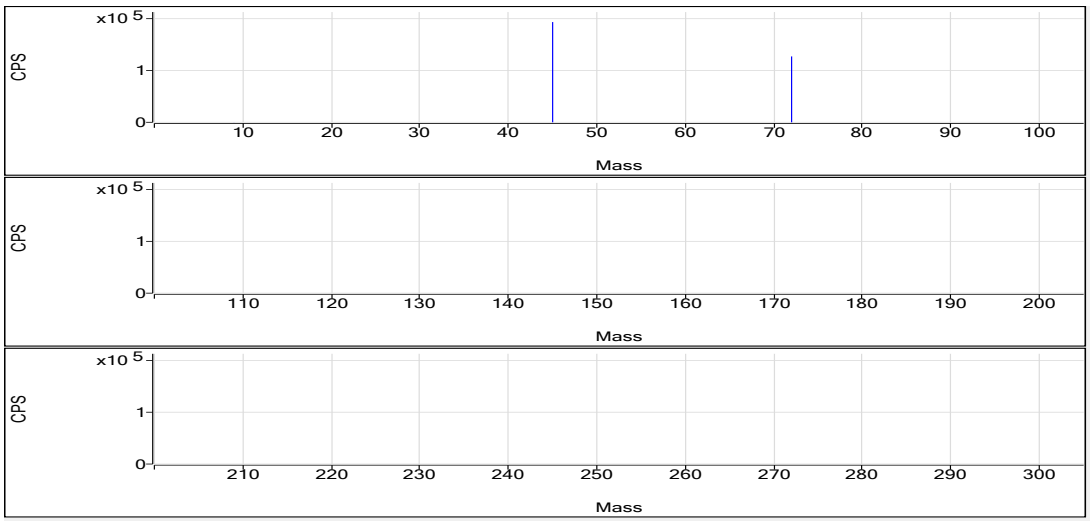
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.127	ppb	2.2	117.33	0.0006	Pulse	0.5000	3
Se	78	72	H2	0.003	ppb	650.2	2.67	0.0001	Pulse	1.5000	3
Na	23	45	He	-7.807	ppb	N/A	3323.82	0.6374	Pulse	0.1000	3
Mg	24	45	He	0.681	ppb	307.5	586.70	0.1128	Pulse	0.1000	3
Al	27	45	He	2.585	ppb	74.0	96.67	0.0187	Pulse	0.1000	3
K	39	45	He	-20.023	ppb	N/A	5898.03	1.1312	Pulse	0.1000	3
Ca	44	115	He	3.175	ppb	339.9	70.00	0.0056	Pulse	0.1000	3
Ti	47	72	He	0.324	ppb	86.6	6.67	0.0007	Pulse	0.1000	3
V	51	45	He	-0.030	ppb	N/A	185.33	0.0355	Pulse	0.5000	3
Cr	52	72	He	0.627	ppb	12.3	1503.46	0.1488	Pulse	0.1000	3
Mn	55	72	He	0.331	ppb	42.4	246.68	0.0244	Pulse	0.1000	3
Fe	57	45	He	9.164	ppb	76.1	326.68	0.0617	Pulse	0.1000	3
Co	59	72	He	0.006	ppb	250.5	113.34	0.0112	Pulse	0.1000	3
Ni	60	115	He	-0.008	ppb	N/A	233.34	0.0185	Pulse	0.1000	3
Cu	63	115	He	0.024	ppb	171.3	186.68	0.0149	Pulse	0.1000	3
Zn	66	115	He	0.817	ppb	4.3	200.01	0.0159	Pulse	0.1000	3
As	75	115	He	0.056	ppb	53.8	21.33	0.0017	Pulse	0.5000	3
Sr	88	72	He	-0.025	ppb	N/A	33.33	0.0033	Pulse	0.1000	3
Mo	98	159	He	-0.012	ppb	N/A	86.67	0.0016	Pulse	0.1000	3
Ag	107	72	He	-0.001	ppb	N/A	20.00	0.0020	Pulse	0.1000	3
Cd	111	72	He	0.007	ppb	61.1	4.00	0.0004	Pulse	0.5000	3
Sn	120	159	He	-0.261	ppb	N/A	1580.15	0.0287	Pulse	0.1000	3
Sb	121	159	He	-0.003	ppb	N/A	40.00	0.0007	Pulse	0.1000	3
Ba	137	159	He	-0.044	ppb	N/A	16.67	0.0003	Pulse	0.1000	3
Tl	205	159	He	-0.001	ppb	N/A	143.34	0.0026	Pulse	0.1000	3
Pb	208	159	He	0.001	ppb	612.1	360.01	0.0066	Pulse	0.1000	3
U	238	159	He	-0.001	ppb	N/A	13.33	0.0002	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	193874.82	2.4	105.8	Pulse	0.1000	3
No Gas	Ge	72	127420.89	2.5	113.8	Pulse	0.1000	3
H2	Sc	45	35310.30	1.8	104.1	Pulse	0.1000	3
H2	Ge	72	27300.18	0.7	105.6	Pulse	0.1000	3
H2	In	115	67889.78	1.4	106.2	Pulse	0.1000	3
He	Sc	45	5224.44	5.0	109.9	Pulse	0.1000	3
He	Ge	72	10107.22	1.3	103.9	Pulse	0.1000	3
He	In	115	12610.12	3.5	107.7	Pulse	0.1000	3
He	Tb	159	54996.24	1.6	110.2	Pulse	0.1000	3
He	Bi	209	46908.51	1.0	114.7	Pulse	0.1000	3

No Gas



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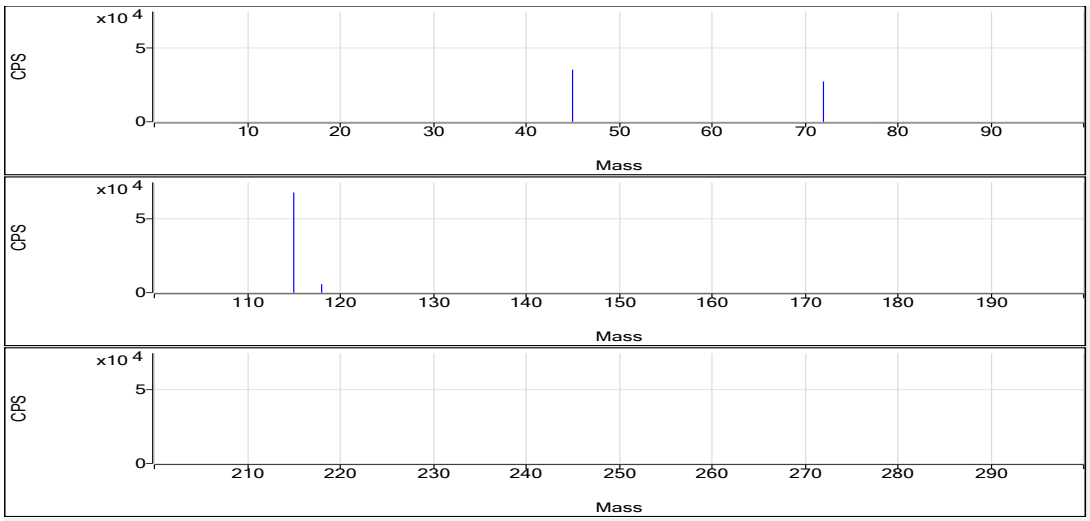
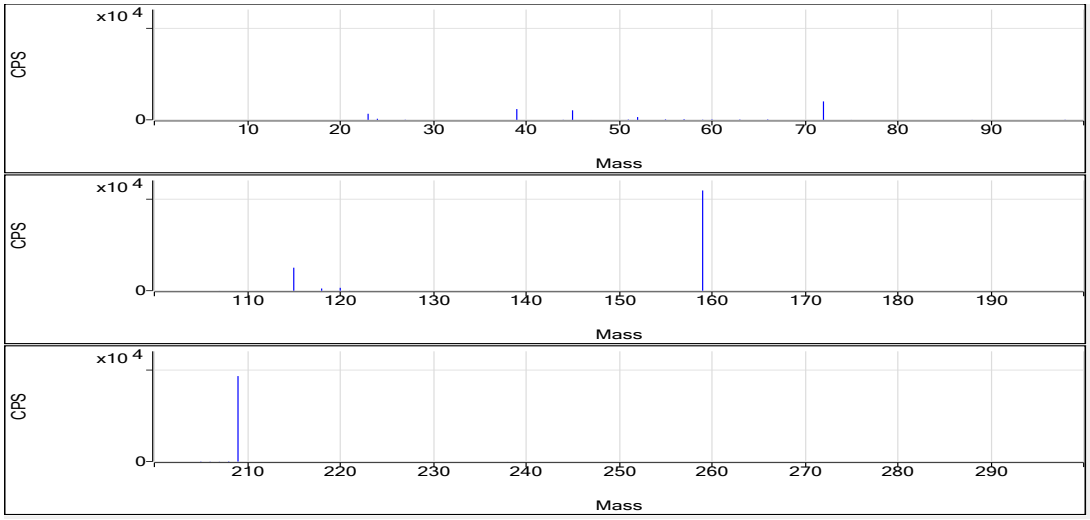


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.129	0.0006	120.00	0.0035	0.0001638
Be	9	1	No Gas	0.129	0.0006	120.00	0.0035	0.0001638
Be	9	1	No Gas	0.124	0.0006	112.00	0.0035	0.0001638
Se	78	2	H2	-0.018	0	0.67	0.0035	8.664E-05
Se	78	2	H2	0.024	0.0002	4.67	0.0035	8.664E-05
Se	78	2	H2	0.003	0.0001	2.67	0.0035	8.664E-05
Na	23	3	He	-6.054	0.6754	3350.48	0.0216	0.8064
Na	23	3	He	-9.436	0.6021	3300.50	0.0216	0.8064
Na	23	3	He	-7.93	0.6348	3320.47	0.0216	0.8064
Mg	24	3	He	1.243	0.1189	590.03	0.0109	0.1054
Mg	24	3	He	-1.636	0.0876	480.03	0.0109	0.1054
Mg	24	3	He	2.435	0.1319	690.04	0.0109	0.1054
Al	27	3	He	2.992	0.0202	100.00	0.0037	0.009095
Al	27	3	He	0.501	0.0109	60.00	0.0037	0.009095
Al	27	3	He	4.263	0.0249	130.01	0.0037	0.009095
K	39	3	He	-8.984	1.24	6151.43	0.0099	1.328
K	39	3	He	-22.597	1.1059	6061.46	0.0099	1.328
K	39	3	He	-28.489	1.0478	5481.20	0.0099	1.328
Ca	44	3	He	13.431	0.0078	100.00	0.0002	0.004867
Ca	44	3	He	4.178	0.0058	70.00	0.0002	0.004867
Ca	44	3	He	-8.084	0.0031	40.00	0.0002	0.004867
Ti	47	3	He	0.491	0.001	10.00	0.002	0
Ti	47	3	He	0.479	0.001	10.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	-0.037	0.0343	170.00	0.1638	0.04039
V	51	3	He	-0.037	0.0343	188.00	0.1638	0.04039
V	51	3	He	-0.015	0.0379	198.00	0.1638	0.04039
Cr	52	3	He	0.66	0.1523	1520.12	0.1041	0.08357
Cr	52	3	He	0.538	0.1396	1430.12	0.1041	0.08357
Cr	52	3	He	0.682	0.1546	1560.15	0.1041	0.08357
Mn	55	3	He	0.462	0.0311	310.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.35	0.0254	260.01	0.0509	0.00756
Mn	55	3	He	0.182	0.0168	170.01	0.0509	0.00756
Fe	57	3	He	4.494	0.0423	210.01	0.0041	0.02373
Fe	57	3	He	17.185	0.0949	520.03	0.0041	0.02373
Fe	57	3	He	5.813	0.0478	250.01	0.0041	0.02373
Co	59	3	He	-0.005	0.009	90.00	0.1966	0.009981
Co	59	3	He	0.024	0.0146	150.01	0.1966	0.009981
Co	59	3	He	0	0.0099	100.00	0.1966	0.009981
Ni	60	3	He	0.035	0.0203	260.01	0.0432	0.01878
Ni	60	3	He	-0.071	0.0157	190.01	0.0432	0.01878
Ni	60	3	He	0.013	0.0194	250.01	0.0432	0.01878
Cu	63	3	He	0.011	0.0133	170.01	0.1222	0.01194
Cu	63	3	He	0.071	0.0207	250.01	0.1222	0.01194
Cu	63	3	He	-0.009	0.0108	140.01	0.1222	0.01194
Zn	66	3	He	0.801	0.0156	200.01	0.0159	0.002839
Zn	66	3	He	0.858	0.0165	200.01	0.0159	0.002839
Zn	66	3	He	0.793	0.0155	200.01	0.0159	0.002839
As	75	3	He	0.045	0.0016	20.00	0.0132	0.0009658
As	75	3	He	0.089	0.0021	26.00	0.0132	0.0009658
As	75	3	He	0.032	0.0014	18.00	0.0132	0.0009658
Sr	88	3	He	-0.04	0.002	20.00	0.0864	0.005458
Sr	88	3	He	-0.052	0.001	10.00	0.0864	0.005458
Sr	88	3	He	0.017	0.0069	70.00	0.0864	0.005458
Mo	98	3	He	-0.015	0.0015	80.00	0.0303	0.001942
Mo	98	3	He	-0.029	0.0011	60.00	0.0303	0.001942
Mo	98	3	He	0.008	0.0022	120.00	0.0303	0.001942
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.012	0.0006	6.00	0.0454	6.986E-05
Sn	120	3	He	-0.264	0.0287	1550.15	0.0284	0.03615
Sn	120	3	He	-0.231	0.0296	1650.16	0.0284	0.03615
Sn	120	3	He	-0.288	0.028	1540.14	0.0284	0.03615
Sb	121	3	He	0.012	0.0011	60.00	0.0262	0.000803
Sb	121	3	He	-0.01	0.0005	30.00	0.0262	0.000803
Sb	121	3	He	-0.01	0.0005	30.00	0.0262	0.000803
Ba	137	3	He	-0.037	0.0004	20.00	0.0098	0.0007342
Ba	137	3	He	-0.056	0.0002	10.00	0.0098	0.0007342
Ba	137	3	He	-0.038	0.0004	20.00	0.0098	0.0007342
Tl	205	3	He	-0.008	0.0011	60.00	0.1945	0.002744
Tl	205	3	He	0.007	0.0041	230.01	0.1945	0.002744
Tl	205	3	He	-0.001	0.0025	140.01	0.1945	0.002744
Pb	208	3	He	0.005	0.0076	210.01	0.2651	0.006358
Pb	208	3	He	-0.004	0.0052	170.01	0.2651	0.006358
Pb	208	3	He	0.002	0.0069	190.01	0.2651	0.006358
U	238	3	He	-0.001	0.0002	10.00	0.3022	0.0005338
U	238	3	He	-0.001	0.0004	20.00	0.3022	0.0005338
U	238	3	He	-0.001	0.0002	10.00	0.3022	0.0005338
Sc	45	1	No Gas			196441.33		
Sc	45	1	No Gas			196592.73		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			188590.39		
Ge	72	1	No Gas			130924.80		
Ge	72	1	No Gas			126736.98		
Ge	72	1	No Gas			124600.88		
Sc	45	2	H2			35504.24		
Sc	45	2	H2			35814.78		
Sc	45	2	H2			34611.88		
Ge	72	2	H2			27326.81		
Ge	72	2	H2			27096.48		
Ge	72	2	H2			27477.26		
In	115	2	H2			68951.44		
In	115	2	H2			67364.41		
In	115	2	H2			67353.49		
Sc	45	3	He			4961.00		
Sc	45	3	He			5481.23		
Sc	45	3	He			5231.10		
Ge	72	3	He			9983.83		
Ge	72	3	He			10243.93		
Ge	72	3	He			10093.91		
In	115	3	He			12816.44		
In	115	3	He			12115.63		
In	115	3	He			12926.45		
Tb	159	3	He			54099.73		
Tb	159	3	He			55805.73		
Tb	159	3	He			55083.27		
Bi	209	3	He			46623.91		
Bi	209	3	He			46654.54		
Bi	209	3	He			47447.09		

Quantitation Report

Data File Name	029SMPL.d
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Sample Type	Sample
Comment	MS-C11
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

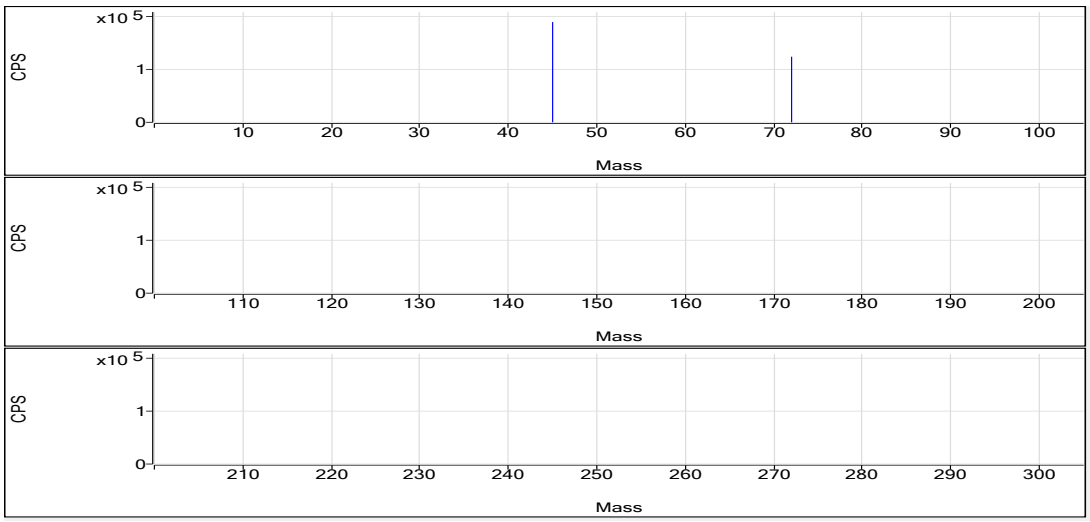
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.091	ppb	51.4	91.33	0.0005	Pulse	0.5000	3
Se	78	72	H2	0.001	ppb	1685.5	2.44	0.0001	Pulse	1.5000	3
Na	23	45	He	5.109	ppb	24.6	4464.15	0.9170	Pulse	0.1000	3
Mg	24	45	He	1.551	ppb	164.3	593.37	0.1223	Pulse	0.1000	3
Al	27	45	He	0.711	ppb	189.5	56.67	0.0117	Pulse	0.1000	3
K	39	45	He	-1.446	ppb	N/A	6401.63	1.3142	Pulse	0.1000	3
Ca	44	115	He	4.883	ppb	316.2	73.33	0.0059	Pulse	0.1000	3
Ti	47	72	He	0.163	ppb	173.2	3.33	0.0003	Pulse	0.1000	3
V	51	45	He	-0.006	ppb	N/A	191.33	0.0394	Pulse	0.5000	3
Cr	52	72	He	-0.195	ppb	N/A	630.04	0.0632	Pulse	0.1000	3
Mn	55	72	He	0.199	ppb	48.5	176.67	0.0177	Pulse	0.1000	3
Fe	57	45	He	1.231	ppb	84.1	140.01	0.0288	Pulse	0.1000	3
Co	59	72	He	0.012	ppb	189.6	123.34	0.0124	Pulse	0.1000	3
Ni	60	115	He	0.259	ppb	55.6	373.35	0.0299	Pulse	0.1000	3
Cu	63	115	He	0.548	ppb	4.2	983.40	0.0788	Pulse	0.1000	3
Zn	66	115	He	1.784	ppb	11.4	390.02	0.0313	Pulse	0.1000	3
As	75	115	He	0.040	ppb	78.2	18.67	0.0015	Pulse	0.5000	3
Sr	88	72	He	0.014	ppb	232.8	66.67	0.0067	Pulse	0.1000	3
Mo	98	159	He	-0.022	ppb	N/A	70.00	0.0013	Pulse	0.1000	3
Ag	107	72	He	0.001	ppb	617.0	26.67	0.0027	Pulse	0.1000	3
Cd	111	72	He	0.001	ppb	180.4	1.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	0.230	ppb	77.6	2303.61	0.0427	Pulse	0.1000	3
Sb	121	159	He	0.005	ppb	142.2	50.00	0.0009	Pulse	0.1000	3
Ba	137	159	He	-0.031	ppb	N/A	23.33	0.0004	Pulse	0.1000	3
Tl	205	159	He	-0.001	ppb	N/A	140.01	0.0026	Pulse	0.1000	3
Pb	208	159	He	0.001	ppb	322.3	363.35	0.0067	Pulse	0.1000	3
U	238	159	He	-0.001	ppb	N/A	20.00	0.0004	Pulse	0.1000	3

ISTD Table:

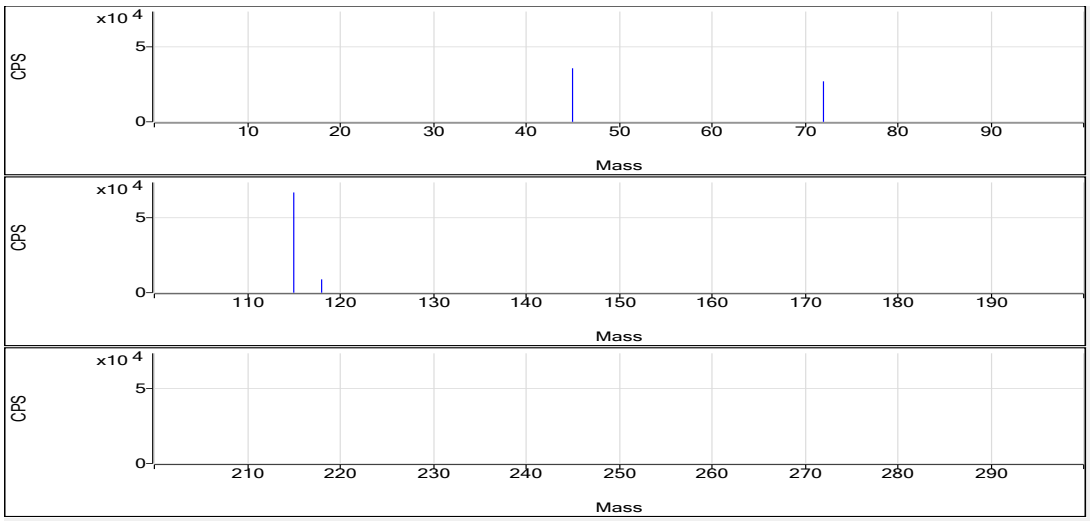
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	190216.33	0.5	103.8	Pulse	0.1000	3
No Gas	Ge	72	124502.60	0.5	111.2	Pulse	0.1000	3
H2	Sc	45	35621.14	2.7	105.0	Pulse	0.1000	3
H2	Ge	72	26936.19	1.4	104.1	Pulse	0.1000	3
H2	In	115	66677.26	0.9	104.3	Pulse	0.1000	3
He	Sc	45	4870.97	3.0	102.5	Pulse	0.1000	3
He	Ge	72	9963.78	0.7	102.4	Pulse	0.1000	3
He	In	115	12479.56	2.7	106.6	Pulse	0.1000	3
He	Tb	159	54022.28	1.7	108.3	Pulse	0.1000	3
He	Bi	209	45276.04	2.3	110.7	Pulse	0.1000	3

No Gas

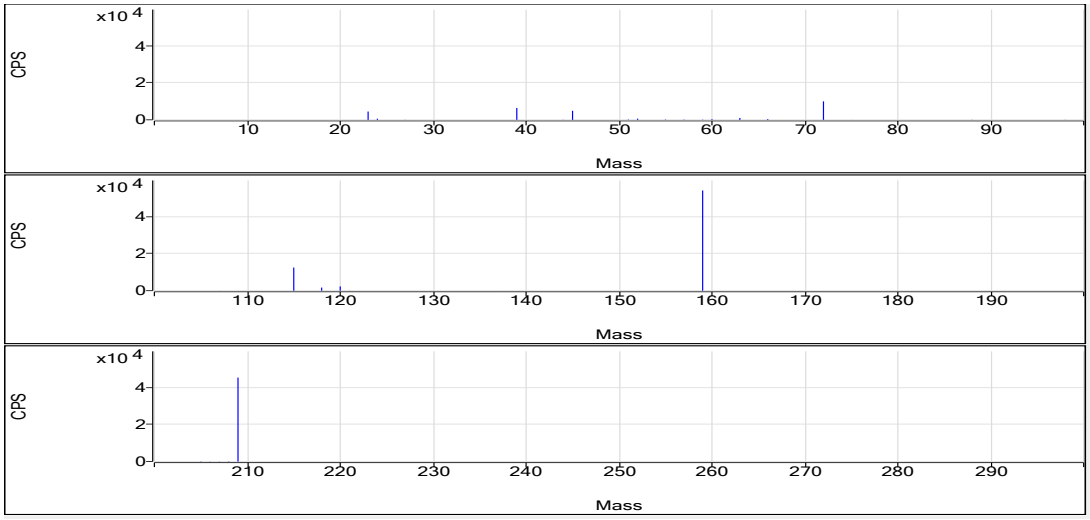


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.133	0.0006	120.00	0.0035	0.0001638
Be	9	1	No Gas	0.098	0.0005	96.00	0.0035	0.0001638
Be	9	1	No Gas	0.041	0.0003	58.00	0.0035	0.0001638
Se	78	2	H2	-0.025	0	0.00	0.0035	8.664E-05
Se	78	2	H2	0.011	0.0001	3.33	0.0035	8.664E-05
Se	78	2	H2	0.018	0.0002	4.00	0.0035	8.664E-05
Na	23	3	He	4.761	0.9095	4420.81	0.0216	0.8064
Na	23	3	He	4.065	0.8944	4490.80	0.0216	0.8064
Na	23	3	He	6.501	0.9471	4480.85	0.0216	0.8064
Mg	24	3	He	0.146	0.107	520.03	0.0109	0.1054
Mg	24	3	He	0.015	0.1056	530.03	0.0109	0.1054
Mg	24	3	He	4.491	0.1543	730.04	0.0109	0.1054
Al	27	3	He	1.435	0.0144	70.00	0.0037	0.009095
Al	27	3	He	-0.844	0.006	30.00	0.0037	0.009095
Al	27	3	He	1.542	0.0148	70.00	0.0037	0.009095
K	39	3	He	6.772	1.3952	6781.88	0.0099	1.328
K	39	3	He	-5.027	1.2789	6421.59	0.0099	1.328
K	39	3	He	-6.082	1.2685	6001.43	0.0099	1.328
Ca	44	3	He	19.1	0.0091	110.00	0.0002	0.004867
Ca	44	3	He	-11.539	0.0023	30.00	0.0002	0.004867
Ca	44	3	He	7.088	0.0064	80.00	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0.489	0.001	10.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	-0.005	0.0395	192.00	0.1638	0.04039
V	51	3	He	-0.03	0.0355	178.00	0.1638	0.04039
V	51	3	He	0.017	0.0431	204.00	0.1638	0.04039
Cr	52	3	He	-0.241	0.0584	580.03	0.1041	0.08357
Cr	52	3	He	-0.191	0.0637	640.04	0.1041	0.08357
Cr	52	3	He	-0.154	0.0675	670.04	0.1041	0.08357
Mn	55	3	He	0.109	0.0131	130.00	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.301	0.0229	230.01	0.0509	0.00756
Mn	55	3	He	0.188	0.0171	170.01	0.0509	0.00756
Fe	57	3	He	1.723	0.0309	150.01	0.0041	0.02373
Fe	57	3	He	0.041	0.0239	120.00	0.0041	0.02373
Fe	57	3	He	1.928	0.0317	150.01	0.0041	0.02373
Co	59	3	He	0.036	0.0171	170.01	0.1966	0.009981
Co	59	3	He	0.01	0.0119	120.00	0.1966	0.009981
Co	59	3	He	-0.01	0.0081	80.00	0.1966	0.009981
Ni	60	3	He	0.213	0.028	340.01	0.0432	0.01878
Ni	60	3	He	0.143	0.025	320.02	0.0432	0.01878
Ni	60	3	He	0.42	0.0369	460.02	0.0432	0.01878
Cu	63	3	He	0.556	0.0798	970.07	0.1222	0.01194
Cu	63	3	He	0.522	0.0757	970.07	0.1222	0.01194
Cu	63	3	He	0.566	0.081	1010.07	0.1222	0.01194
Zn	66	3	He	1.989	0.0346	420.02	0.0159	0.002839
Zn	66	3	He	1.779	0.0312	400.02	0.0159	0.002839
Zn	66	3	He	1.583	0.0281	350.01	0.0159	0.002839
As	75	3	He	0.039	0.0015	18.00	0.0132	0.0009658
As	75	3	He	0.01	0.0011	14.00	0.0132	0.0009658
As	75	3	He	0.073	0.0019	24.00	0.0132	0.0009658
Sr	88	3	He	-0.005	0.005	50.00	0.0864	0.005458
Sr	88	3	He	0.052	0.01	100.00	0.0864	0.005458
Sr	88	3	He	-0.005	0.005	50.00	0.0864	0.005458
Mo	98	3	He	-0.033	0.0009	50.00	0.0303	0.001942
Mo	98	3	He	-0.033	0.0009	50.00	0.0303	0.001942
Mo	98	3	He	0.002	0.002	110.00	0.0303	0.001942
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Ag	107	3	He	0.004	0.004	40.00	0.3501	0.002425
Ag	107	3	He	0.002	0.003	30.00	0.3501	0.002425
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Sn	120	3	He	0.198	0.0418	2240.26	0.0284	0.03615
Sn	120	3	He	0.423	0.0482	2570.33	0.0284	0.03615
Sn	120	3	He	0.07	0.0381	2100.23	0.0284	0.03615
Sb	121	3	He	-0.002	0.0007	40.00	0.0262	0.000803
Sb	121	3	He	0.005	0.0009	50.00	0.0262	0.000803
Sb	121	3	He	0.011	0.0011	60.00	0.0262	0.000803
Ba	137	3	He	-0.037	0.0004	20.00	0.0098	0.0007342
Ba	137	3	He	-0.018	0.0006	30.00	0.0098	0.0007342
Ba	137	3	He	-0.038	0.0004	20.00	0.0098	0.0007342
Tl	205	3	He	0.005	0.0037	200.01	0.1945	0.002744
Tl	205	3	He	-0.002	0.0024	130.01	0.1945	0.002744
Tl	205	3	He	-0.006	0.0016	90.00	0.1945	0.002744
Pb	208	3	He	-0.004	0.0054	140.01	0.2651	0.006358
Pb	208	3	He	0.003	0.0071	190.01	0.2651	0.006358
Pb	208	3	He	0.005	0.0076	190.01	0.2651	0.006358
U	238	3	He	-0.001	0.0002	10.00	0.3022	0.0005338
U	238	3	He	-0.001	0.0002	10.00	0.3022	0.0005338
U	238	3	He	0.001	0.0007	40.00	0.3022	0.0005338
Sc	45	1	No Gas			191200.86		
Sc	45	1	No Gas			189998.18		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			189449.96		
Ge	72	1	No Gas			124941.95		
Ge	72	1	No Gas			124741.55		
Ge	72	1	No Gas			123824.29		
Sc	45	2	H2			36536.72		
Sc	45	2	H2			34632.05		
Sc	45	2	H2			35694.66		
Ge	72	2	H2			27316.98		
Ge	72	2	H2			26906.13		
Ge	72	2	H2			26585.45		
In	115	2	H2			66791.58		
In	115	2	H2			67192.48		
In	115	2	H2			66047.72		
Sc	45	3	He			4860.94		
Sc	45	3	He			5021.03		
Sc	45	3	He			4730.94		
Ge	72	3	He			9923.73		
Ge	72	3	He			10043.89		
Ge	72	3	He			9923.73		
In	115	3	He			12165.67		
In	115	3	He			12836.35		
In	115	3	He			12475.97		
Tb	159	3	He			53627.38		
Tb	159	3	He			53366.25		
Tb	159	3	He			55073.21		
Bi	209	3	He			44065.56		
Bi	209	3	He			45911.40		
Bi	209	3	He			45851.17		

Quantitation Report

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Sample Type	Sample
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

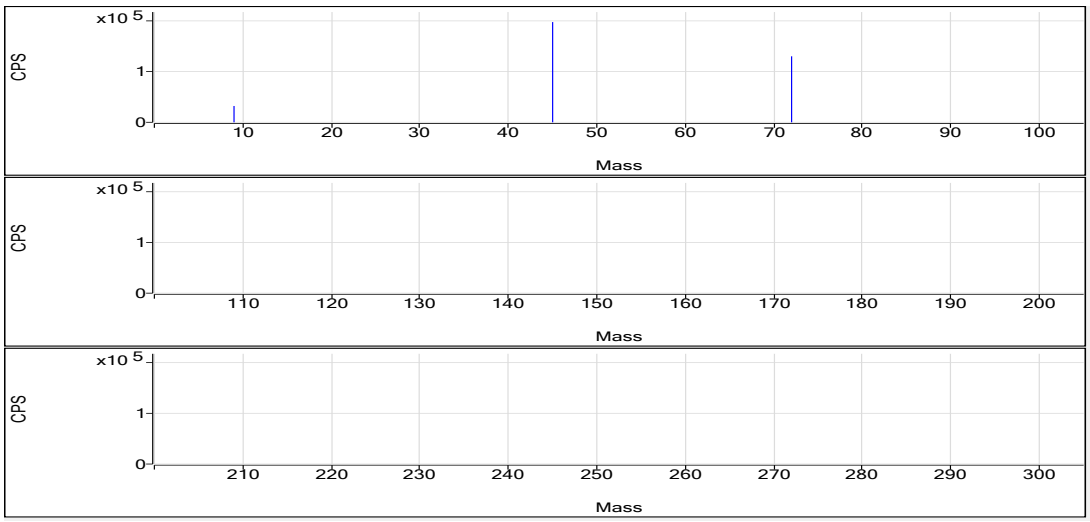
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	46.760	ppb	1.7	32150.47	0.1627	Pulse	0.5000	3
Se	78	72	H2	95.080	ppb	1.9	9525.62	0.3358	Pulse	1.5000	3
Na	23	45	He	4540.229	ppb	1.5	523500.67	99.0853	Pulse	0.1000	3
Mg	24	45	He	4561.234	ppb	0.9	263084.79	49.7844	Pulse	0.1000	3
Al	27	45	He	4598.529	ppb	1.3	89867.15	17.0092	Pulse	0.1000	3
K	39	45	He	4590.978	ppb	0.2	246028.32	46.5558	Pulse	0.1000	3
Ca	44	115	He	4696.053	ppb	4.9	13296.60	1.0334	Pulse	0.1000	3
Ti	47	72	He	476.316	ppb	5.8	10123.87	0.9707	Pulse	0.1000	3
V	51	45	He	455.351	ppb	1.3	394358.57	74.6401	Pulse	0.5000	3
Cr	52	72	He	456.701	ppb	1.2	497129.91	47.6368	Pulse	0.1000	3
Mn	55	72	He	454.228	ppb	1.0	241301.46	23.1218	Pulse	0.1000	3
Fe	57	45	He	4568.691	ppb	1.3	100059.03	18.9382	Pulse	0.1000	3
Co	59	72	He	457.195	ppb	1.7	938301.73	89.9166	Pulse	0.1000	3
Ni	60	115	He	458.512	ppb	5.3	254805.52	19.8068	Pulse	0.1000	3
Cu	63	115	He	467.949	ppb	4.8	735698.69	57.1773	Pulse	0.1000	3
Zn	66	115	He	481.491	ppb	4.4	98849.70	7.6804	Pulse	0.1000	3
As	75	115	He	472.006	ppb	3.9	80434.40	6.2492	Pulse	0.5000	3
Sr	88	72	He	45.552	ppb	1.8	41117.27	3.9401	Pulse	0.1000	3
Mo	98	159	He	47.351	ppb	1.4	80434.05	1.4382	Pulse	0.1000	3
Ag	107	72	He	46.845	ppb	2.2	171175.36	16.4046	Pulse	0.1000	3
Cd	111	72	He	46.384	ppb	1.9	21978.66	2.1062	Pulse	0.5000	3
Sn	120	159	He	93.204	ppb	1.1	150188.92	2.6856	Pulse	0.1000	3
Sb	121	159	He	96.537	ppb	0.5	141229.60	2.5253	Pulse	0.1000	3
Ba	137	159	He	472.468	ppb	1.1	259688.10	4.6436	Pulse	0.1000	3
Tl	205	159	He	95.968	ppb	1.2	1043978.55	18.6677	Pulse	0.1000	3
Pb	208	159	He	47.954	ppb	1.6	711395.18	12.7206	Pulse	0.1000	3
U	238	159	He	48.176	ppb	1.2	814168.06	14.5576	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	197620.01	0.9	107.8	Pulse	0.1000	3
No Gas	Ge	72	130111.01	0.9	116.2	Pulse	0.1000	3
H2	Sc	45	35410.74	3.8	104.4	Pulse	0.1000	3
H2	Ge	72	28375.67	2.6	109.7	Pulse	0.1000	3
H2	In	115	74611.50	2.2	116.7	Pulse	0.1000	3
He	Sc	45	5284.50	2.3	111.2	Pulse	0.1000	3
He	Ge	72	10437.51	2.0	107.3	Pulse	0.1000	3
He	In	115	12888.04	5.2	110.0	Pulse	0.1000	3
He	Tb	159	55926.58	0.7	112.1	Pulse	0.1000	3
He	Bi	209	46256.12	1.3	113.1	Pulse	0.1000	3

No Gas



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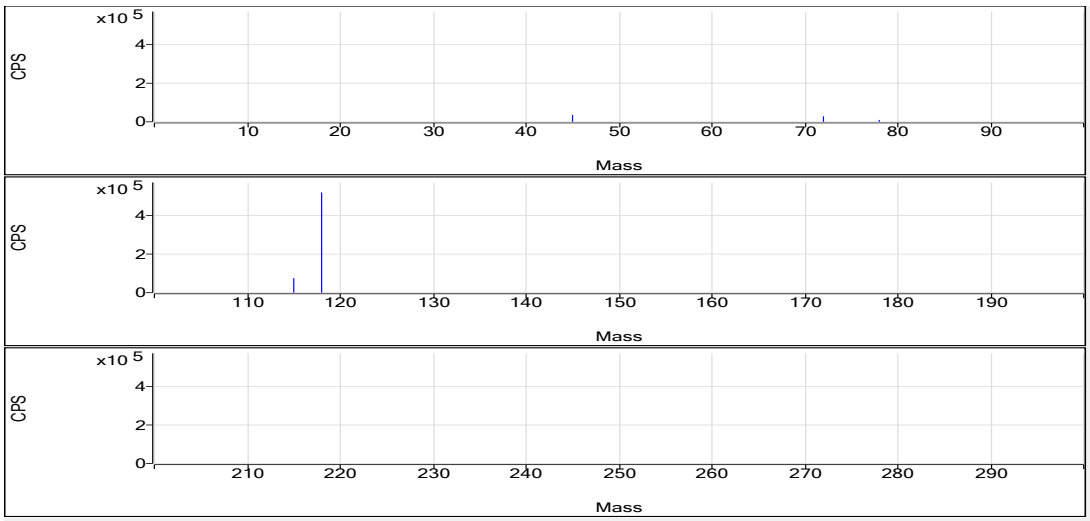
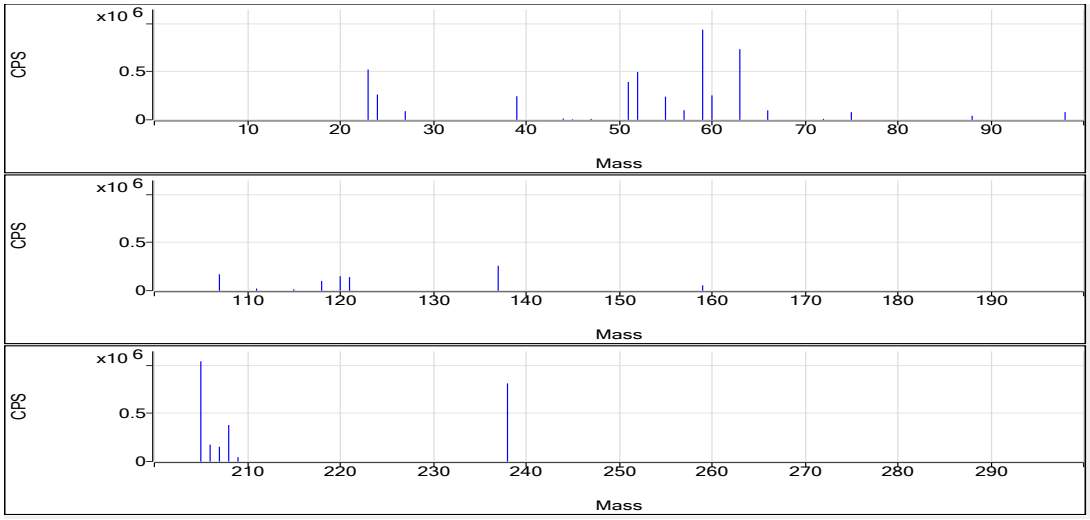


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	45.993	0.16	31292.60	0.0035	0.0001638
Be	9	1	No Gas	46.729	0.1626	32242.63	0.0035	0.0001638
Be	9	1	No Gas	47.558	0.1654	32916.19	0.0035	0.0001638
Se	78	2	H2	97.078	0.3428	9605.23	0.0035	8.664E-05
Se	78	2	H2	93.652	0.3307	9660.60	0.0035	8.664E-05
Se	78	2	H2	94.51	0.3338	9311.03	0.0035	8.664E-05
Na	23	3	He	4471.714	97.6022	529123.20	0.0216	0.8064
Na	23	3	He	4545.493	99.1993	520912.26	0.0216	0.8064
Na	23	3	He	4603.479	100.4544	520466.55	0.0216	0.8064
Mg	24	3	He	4546.75	49.6267	269037.16	0.0109	0.1054
Mg	24	3	He	4606.172	50.2739	263996.68	0.0109	0.1054
Mg	24	3	He	4530.779	49.4527	256220.54	0.0109	0.1054
Al	27	3	He	4532.573	16.7653	90888.57	0.0037	0.009095
Al	27	3	He	4617.882	17.0807	89693.72	0.0037	0.009095
Al	27	3	He	4645.132	17.1815	89019.16	0.0037	0.009095
K	39	3	He	4593.235	46.5781	252509.92	0.0099	1.328
K	39	3	He	4600.3	46.6477	244954.78	0.0099	1.328
K	39	3	He	4579.398	46.4417	240620.27	0.0099	1.328
Ca	44	3	He	4484.805	0.9871	13436.76	0.0002	0.004867
Ca	44	3	He	4659.002	1.0252	13066.44	0.0002	0.004867
Ca	44	3	He	4944.351	1.0877	13386.61	0.0002	0.004867
Ti	47	3	He	446.907	0.9108	9703.55	0.002	0
Ti	47	3	He	480.324	0.9789	10193.94	0.002	0
Ti	47	3	He	501.719	1.0225	10474.13	0.002	0
V	51	3	He	448.691	73.5489	398725.00	0.1638	0.04039
V	51	3	He	457.961	75.0676	394192.81	0.1638	0.04039
V	51	3	He	459.402	75.3038	390157.91	0.1638	0.04039
Cr	52	3	He	450.25	46.965	500382.65	0.1041	0.08357
Cr	52	3	He	458.872	47.8628	498448.39	0.1041	0.08357
Cr	52	3	He	460.982	48.0825	492558.70	0.1041	0.08357
Mn	55	3	He	449.059	22.8587	243545.39	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	455.56	23.1895	241498.26	0.0509	0.00756
Mn	55	3	He	458.066	23.317	238860.72	0.0509	0.00756
Fe	57	3	He	4503.879	18.6698	101213.32	0.0041	0.02373
Fe	57	3	He	4586.493	19.0119	99834.54	0.0041	0.02373
Fe	57	3	He	4615.7	19.1328	99129.23	0.0041	0.02373
Co	59	3	He	449.407	88.3851	941687.41	0.1966	0.009981
Co	59	3	He	457.703	90.0166	937442.56	0.1966	0.009981
Co	59	3	He	464.475	91.3483	935775.22	0.1966	0.009981
Ni	60	3	He	431.576	18.6444	253796.44	0.0432	0.01878
Ni	60	3	He	464.914	20.0831	255954.39	0.0432	0.01878
Ni	60	3	He	479.045	20.693	254665.74	0.0432	0.01878
Cu	63	3	He	444.745	54.3426	739738.90	0.1222	0.01194
Cu	63	3	He	469.596	57.3784	731273.97	0.1222	0.01194
Cu	63	3	He	489.507	59.8108	736083.19	0.1222	0.01194
Zn	66	3	He	463.626	7.3956	100672.17	0.0159	0.002839
Zn	66	3	He	476.282	7.5974	96826.57	0.0159	0.002839
Zn	66	3	He	504.567	8.0484	99050.36	0.0159	0.002839
As	75	3	He	453.113	5.9991	81663.30	0.0132	0.0009658
As	75	3	He	473.503	6.269	79897.45	0.0132	0.0009658
As	75	3	He	489.401	6.4795	79742.44	0.0132	0.0009658
Sr	88	3	He	44.629	3.8605	41130.67	0.0864	0.005458
Sr	88	3	He	46.14	3.9909	41561.98	0.0864	0.005458
Sr	88	3	He	45.887	3.9691	40659.15	0.0864	0.005458
Mo	98	3	He	46.916	1.425	79224.50	0.0303	0.001942
Mo	98	3	He	47.019	1.4281	80500.77	0.0303	0.001942
Mo	98	3	He	48.12	1.4615	81576.87	0.0303	0.001942
Ag	107	3	He	45.881	16.0674	171188.12	0.3501	0.002425
Ag	107	3	He	46.744	16.3693	170471.50	0.3501	0.002425
Ag	107	3	He	47.909	16.7772	171866.46	0.3501	0.002425
Cd	111	3	He	45.414	2.0622	21971.32	0.0454	6.986E-05
Cd	111	3	He	46.669	2.1192	22069.46	0.0454	6.986E-05
Cd	111	3	He	47.069	2.1374	21895.20	0.0454	6.986E-05
Sn	120	3	He	94.217	2.7144	150906.63	0.0284	0.03615
Sn	120	3	He	92.245	2.6583	149845.79	0.0284	0.03615
Sn	120	3	He	93.15	2.6841	149814.34	0.0284	0.03615
Sb	121	3	He	97.054	2.5388	141146.83	0.0262	0.000803
Sb	121	3	He	96.319	2.5196	142024.91	0.0262	0.000803
Sb	121	3	He	96.239	2.5175	140517.07	0.0262	0.000803
Ba	137	3	He	478.428	4.7021	261416.01	0.0098	0.0007342
Ba	137	3	He	469.258	4.612	259970.84	0.0098	0.0007342
Ba	137	3	He	469.718	4.6165	257677.44	0.0098	0.0007342
Tl	205	3	He	96.003	18.6745	1038216.31	0.1945	0.002744
Tl	205	3	He	94.817	18.4438	1039644.44	0.1945	0.002744
Tl	205	3	He	97.084	18.8847	1054074.91	0.1945	0.002744
Pb	208	3	He	47.692	12.6512	375438.16	0.2651	0.006358
Pb	208	3	He	47.369	12.5654	379723.28	0.2651	0.006358
Pb	208	3	He	48.8	12.9451	386522.96	0.2651	0.006358
U	238	3	He	47.611	14.3869	799843.97	0.3022	0.0005338
U	238	3	He	48.131	14.544	819820.85	0.3022	0.0005338
U	238	3	He	48.786	14.7419	822839.36	0.3022	0.0005338
Sc	45	1	No Gas			195568.10		
Sc	45	1	No Gas			198336.91		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			198955.02		
Ge	72	1	No Gas			129481.82		
Ge	72	1	No Gas			131529.28		
Ge	72	1	No Gas			129321.94		
Sc	45	2	H2			35383.93		
Sc	45	2	H2			36767.36		
Sc	45	2	H2			34080.92		
Ge	72	2	H2			28018.42		
Ge	72	2	H2			29210.64		
Ge	72	2	H2			27897.96		
In	115	2	H2			75335.13		
In	115	2	H2			75797.87		
In	115	2	H2			72701.49		
Sc	45	3	He			5421.22		
Sc	45	3	He			5251.17		
Sc	45	3	He			5181.12		
Ge	72	3	He			10654.37		
Ge	72	3	He			10414.11		
Ge	72	3	He			10244.04		
In	115	3	He			14417.80		
In	115	3	He			13527.04		
In	115	3	He			13096.61		
Tb	159	3	He			55595.27		
Tb	159	3	He			56368.19		
Tb	159	3	He			55816.27		
Bi	209	3	He			45730.57		
Bi	209	3	He			46925.55		
Bi	209	3	He			46112.24		

Quantitation Report

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Sample Name	CCV 7799632
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

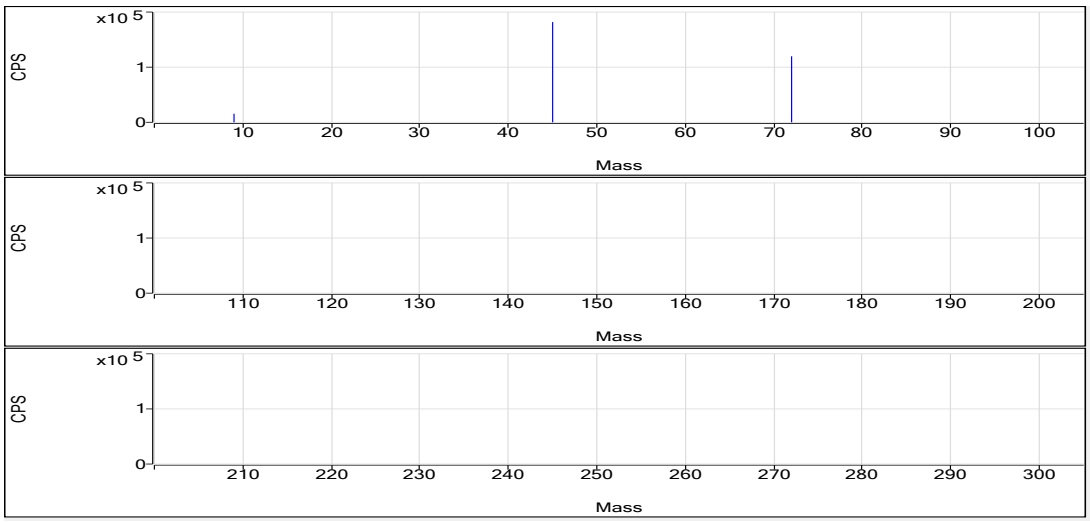
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	24.610	ppb	2.3	15652.21	0.0857	Pulse	0.5000	3
Se	78	72	H2	25.294	ppb	3.6	2310.86	0.0894	Pulse	1.5000	3
Na	23	45	He	2442.398	ppb	5.0	256735.17	53.6752	Pulse	0.1000	3
Mg	24	45	He	2484.174	ppb	4.6	129935.07	27.1620	Pulse	0.1000	3
Al	27	45	He	2485.671	ppb	6.5	43973.34	9.1982	Pulse	0.1000	3
K	39	45	He	2455.956	ppb	6.0	122047.16	25.5230	Pulse	0.1000	3
Ca	44	115	He	2378.543	ppb	4.4	6264.92	0.5258	Pulse	0.1000	3
Ti	47	72	He	2307.311	ppb	3.1	46505.37	4.7021	Pulse	0.1000	3
V	51	45	He	249.141	ppb	5.3	195396.70	40.8569	Pulse	0.5000	3
Cr	52	72	He	235.277	ppb	2.9	243125.84	24.5813	Pulse	0.1000	3
Mn	55	72	He	233.254	ppb	1.4	117515.72	11.8771	Pulse	0.1000	3
Fe	57	45	He	2520.568	ppb	4.2	50037.49	10.4589	Pulse	0.1000	3
Co	59	72	He	237.793	ppb	1.7	462733.41	46.7716	Pulse	0.1000	3
Ni	60	115	He	246.159	ppb	2.5	126797.74	10.6423	Pulse	0.1000	3
Cu	63	115	He	246.148	ppb	1.0	358467.94	30.0818	Pulse	0.1000	3
Zn	66	115	He	247.754	ppb	2.0	47104.77	3.9534	Pulse	0.1000	3
As	75	115	He	249.372	ppb	2.5	39342.51	3.3021	Pulse	0.5000	3
Sr	88	72	He	23.546	ppb	3.4	20168.38	2.0393	Pulse	0.1000	3
Mo	98	159	He	24.636	ppb	2.7	39335.69	0.7492	Pulse	0.1000	3
Ag	107	72	He	24.776	ppb	2.4	85837.67	8.6776	Pulse	0.1000	3
Cd	111	72	He	23.943	ppb	4.6	10749.52	1.0872	Pulse	0.5000	3
Sn	120	159	He	26.023	ppb	1.3	40747.49	0.7759	Pulse	0.1000	3
Sb	121	159	He	24.965	ppb	1.2	34333.67	0.6536	Pulse	0.1000	3
Ba	137	159	He	249.914	ppb	3.0	128974.58	2.4566	Pulse	0.1000	3
Tl	205	159	He	25.791	ppb	1.0	263639.80	5.0188	Pulse	0.1000	3
Pb	208	159	He	25.525	ppb	0.8	355819.32	6.7739	Pulse	0.1000	3
U	238	159	He	25.607	ppb	1.5	406510.93	7.7382	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	182667.70	1.3	99.7	Pulse	0.1000	3
No Gas	Ge	72	120289.74	2.0	107.4	Pulse	0.1000	3
H2	Sc	45	34331.69	0.1	101.2	Pulse	0.1000	3
H2	Ge	72	25857.47	0.8	100.0	Pulse	0.1000	3
H2	In	115	65387.96	1.3	102.3	Pulse	0.1000	3
He	Sc	45	4790.95	5.0	100.8	Pulse	0.1000	3
He	Ge	72	9897.19	3.4	101.7	Pulse	0.1000	3
He	In	115	11917.13	1.3	101.8	Pulse	0.1000	3
He	Tb	159	52522.75	2.1	105.3	Pulse	0.1000	3
He	Bi	209	44322.92	2.7	108.4	Pulse	0.1000	3

No Gas



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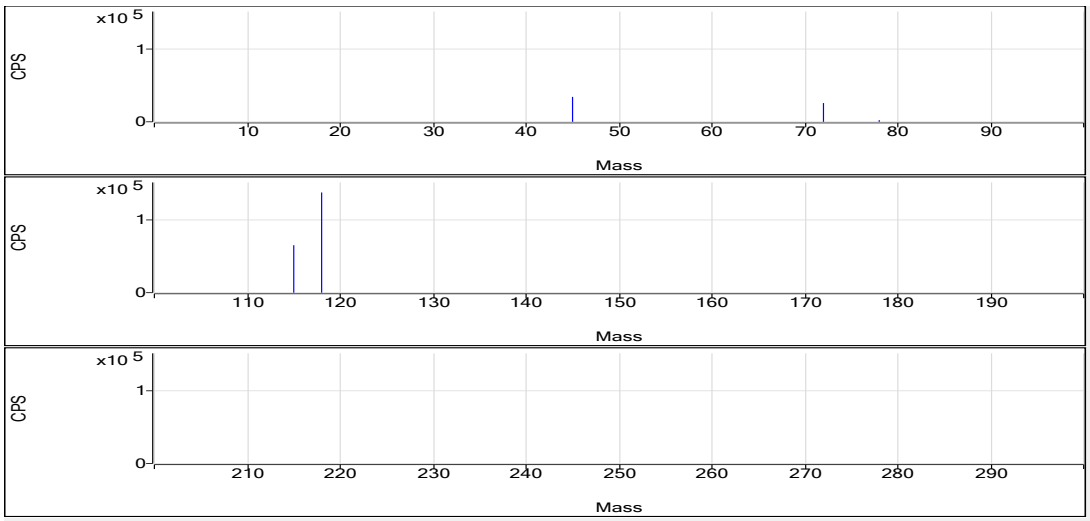
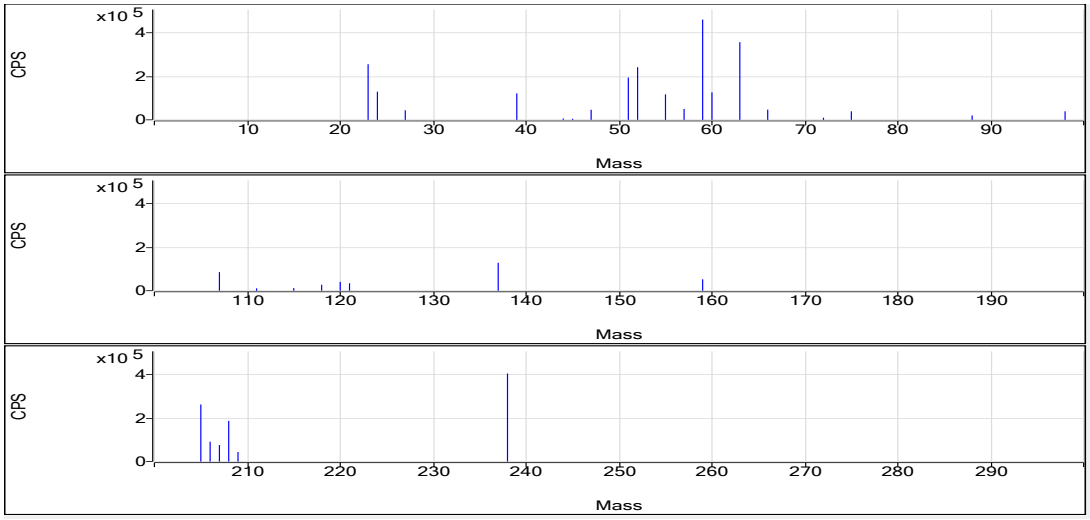


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	23.959	0.0834	15269.80	0.0035	0.0001638
Be	9	1	No Gas	24.81	0.0864	15970.57	0.0035	0.0001638
Be	9	1	No Gas	25.06	0.0873	15716.27	0.0035	0.0001638
Se	78	2	H2	25.695	0.0908	2334.86	0.0035	8.664E-05
Se	78	2	H2	24.241	0.0857	2235.51	0.0035	8.664E-05
Se	78	2	H2	25.945	0.0917	2362.20	0.0035	8.664E-05
Na	23	3	He	2413.737	53.0548	258427.07	0.0216	0.8064
Na	23	3	He	2337.776	51.4105	256078.18	0.0216	0.8064
Na	23	3	He	2575.68	56.5602	255700.25	0.0216	0.8064
Mg	24	3	He	2457.085	26.8669	130867.50	0.0109	0.1054
Mg	24	3	He	2387.119	26.1049	130029.78	0.0109	0.1054
Mg	24	3	He	2608.318	28.5141	128907.94	0.0109	0.1054
Al	27	3	He	2446.953	9.0551	44107.00	0.0037	0.009095
Al	27	3	He	2347.6	8.6878	43274.47	0.0037	0.009095
Al	27	3	He	2662.46	9.8518	44538.55	0.0037	0.009095
K	39	3	He	2422.46	25.193	122713.76	0.0099	1.328
K	39	3	He	2327.868	24.2611	120845.88	0.0099	1.328
K	39	3	He	2617.539	27.1148	122581.83	0.0099	1.328
Ca	44	3	He	2401.026	0.5307	6231.54	0.0002	0.004867
Ca	44	3	He	2264.135	0.5007	6031.53	0.0002	0.004867
Ca	44	3	He	2470.467	0.5459	6531.70	0.0002	0.004867
Ti	47	3	He	2329.027	4.7464	47007.38	0.002	0
Ti	47	3	He	2366.479	4.8227	46073.98	0.002	0
Ti	47	3	He	2226.425	4.5373	46434.74	0.002	0
V	51	3	He	243.899	39.9981	194828.67	0.1638	0.04039
V	51	3	He	239.333	39.2501	195506.89	0.1638	0.04039
V	51	3	He	264.191	43.3225	195854.55	0.1638	0.04039
Cr	52	3	He	235.469	24.6014	243649.02	0.1041	0.08357
Cr	52	3	He	241.968	25.278	241496.19	0.1041	0.08357
Cr	52	3	He	228.393	23.8646	244232.32	0.1041	0.08357
Mn	55	3	He	234.528	11.9419	118271.17	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	235.583	11.9956	114601.47	0.0509	0.00756
Mn	55	3	He	229.651	11.6937	119674.53	0.0509	0.00756
Fe	57	3	He	2484.527	10.3097	50218.04	0.0041	0.02373
Fe	57	3	He	2436.782	10.112	50368.55	0.0041	0.02373
Fe	57	3	He	2640.394	10.955	49525.88	0.0041	0.02373
Co	59	3	He	237.098	46.6349	461866.40	0.1966	0.009981
Co	59	3	He	242.025	47.6038	454787.38	0.1966	0.009981
Co	59	3	He	234.256	46.0761	471546.44	0.1966	0.009981
Ni	60	3	He	252.908	10.9335	128378.46	0.0432	0.01878
Ni	60	3	He	240.524	10.3991	125259.98	0.0432	0.01878
Ni	60	3	He	245.047	10.5943	126754.79	0.0432	0.01878
Cu	63	3	He	247.423	30.2375	355039.68	0.1222	0.01194
Cu	63	3	He	243.395	29.7454	358291.99	0.1222	0.01194
Cu	63	3	He	247.627	30.2624	362072.14	0.1222	0.01194
Zn	66	3	He	253.574	4.0462	47509.10	0.0159	0.002839
Zn	66	3	He	244.361	3.8993	46967.98	0.0159	0.002839
Zn	66	3	He	245.328	3.9147	46837.24	0.0159	0.002839
As	75	3	He	256.161	3.3919	39827.22	0.0132	0.0009658
As	75	3	He	243.666	3.2265	38864.55	0.0132	0.0009658
As	75	3	He	248.288	3.2877	39335.76	0.0132	0.0009658
Sr	88	3	He	23.251	2.0138	19944.72	0.0864	0.005458
Sr	88	3	He	24.445	2.117	20225.06	0.0864	0.005458
Sr	88	3	He	22.941	1.987	20335.36	0.0864	0.005458
Mo	98	3	He	25.375	0.7716	39706.75	0.0303	0.001942
Mo	98	3	He	24.477	0.7444	39074.74	0.0303	0.001942
Mo	98	3	He	24.055	0.7316	39225.57	0.0303	0.001942
Ag	107	3	He	24.829	8.6962	86126.26	0.3501	0.002425
Ag	107	3	He	25.331	8.8718	84757.42	0.3501	0.002425
Ag	107	3	He	24.168	8.4648	86629.32	0.3501	0.002425
Cd	111	3	He	24.201	1.099	10884.28	0.0454	6.986E-05
Cd	111	3	He	24.89	1.1303	10798.22	0.0454	6.986E-05
Cd	111	3	He	22.736	1.0324	10566.06	0.0454	6.986E-05
Sn	120	3	He	26.395	0.7865	40470.12	0.0284	0.03615
Sn	120	3	He	25.756	0.7683	40329.62	0.0284	0.03615
Sn	120	3	He	25.919	0.7729	41442.73	0.0284	0.03615
Sb	121	3	He	24.977	0.654	33651.99	0.0262	0.000803
Sb	121	3	He	24.659	0.6457	33892.40	0.0262	0.000803
Sb	121	3	He	25.257	0.6613	35456.61	0.0262	0.000803
Ba	137	3	He	256.242	2.5188	129611.37	0.0098	0.0007342
Ba	137	3	He	251.716	2.4743	129882.12	0.0098	0.0007342
Ba	137	3	He	241.784	2.3767	127430.24	0.0098	0.0007342
Tl	205	3	He	25.547	4.9714	255820.25	0.1945	0.002744
Tl	205	3	He	25.762	5.0132	263156.56	0.1945	0.002744
Tl	205	3	He	26.064	5.072	271942.59	0.1945	0.002744
Pb	208	3	He	25.314	6.7181	182094.92	0.2651	0.006358
Pb	208	3	He	25.556	6.7822	189464.02	0.2651	0.006358
Pb	208	3	He	25.704	6.8214	191930.19	0.2651	0.006358
U	238	3	He	25.177	7.6081	391498.74	0.3022	0.0005338
U	238	3	He	25.716	7.7712	407932.85	0.3022	0.0005338
U	238	3	He	25.928	7.8352	420101.20	0.3022	0.0005338
Sc	45	1	No Gas			183020.68		
Sc	45	1	No Gas			184870.45		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			180111.97		
Ge	72	1	No Gas			121311.79		
Ge	72	1	No Gas			121966.36		
Ge	72	1	No Gas			117591.07		
Sc	45	2	H2			34361.80		
Sc	45	2	H2			34331.46		
Sc	45	2	H2			34301.82		
Ge	72	2	H2			25713.86		
Ge	72	2	H2			26094.48		
Ge	72	2	H2			25764.06		
In	115	2	H2			64842.14		
In	115	2	H2			64942.49		
In	115	2	H2			66379.26		
Sc	45	3	He			4870.95		
Sc	45	3	He			4981.05		
Sc	45	3	He			4520.85		
Ge	72	3	He			9903.88		
Ge	72	3	He			9553.60		
Ge	72	3	He			10234.08		
In	115	3	He			11965.56		
In	115	3	He			12255.78		
In	115	3	He			12175.78		
Tb	159	3	He			51458.48		
Tb	159	3	He			52492.91		
Tb	159	3	He			53616.86		
Bi	209	3	He			43353.24		
Bi	209	3	He			43955.12		
Bi	209	3	He			45660.41		

Quantitation Report

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Sample Type	CCB
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

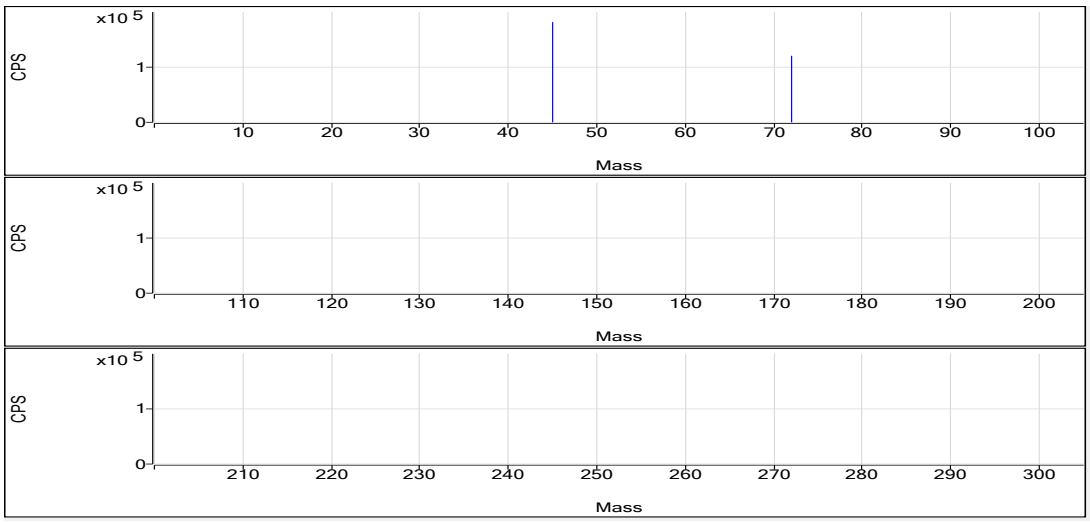
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.108	ppb	12.7	97.33	0.0005	Pulse	0.5000	3
Se	78	72	H2	0.034	ppb	98.2	5.34	0.0002	Pulse	1.5000	3
Na	23	45	He	-6.226	ppb	N/A	3227.14	0.6716	Pulse	0.1000	3
Mg	24	45	He	0.059	ppb	571.2	510.03	0.1060	Pulse	0.1000	3
Al	27	45	He	-0.038	ppb	N/A	43.33	0.0090	Pulse	0.1000	3
K	39	45	He	-8.354	ppb	N/A	5994.77	1.2462	Pulse	0.1000	3
Ca	44	115	He	-8.168	ppb	N/A	36.67	0.0031	Pulse	0.1000	3
Ti	47	72	He	0.862	ppb	72.9	16.67	0.0018	Pulse	0.1000	3
V	51	45	He	0.028	ppb	32.4	216.00	0.0449	Pulse	0.5000	3
Cr	52	72	He	-0.081	ppb	N/A	723.37	0.0752	Pulse	0.1000	3
Mn	55	72	He	0.136	ppb	63.8	140.00	0.0145	Pulse	0.1000	3
Fe	57	45	He	1.121	ppb	76.7	136.68	0.0284	Pulse	0.1000	3
Co	59	72	He	0.035	ppb	20.1	163.34	0.0169	Pulse	0.1000	3
Ni	60	115	He	-0.048	ppb	N/A	196.68	0.0167	Pulse	0.1000	3
Cu	63	115	He	0.051	ppb	48.6	213.34	0.0182	Pulse	0.1000	3
Zn	66	115	He	0.198	ppb	75.3	70.00	0.0060	Pulse	0.1000	3
As	75	115	He	0.133	ppb	15.9	32.00	0.0027	Pulse	0.5000	3
Sr	88	72	He	-0.008	ppb	N/A	46.67	0.0048	Pulse	0.1000	3
Mo	98	159	He	0.016	ppb	172.7	126.67	0.0024	Pulse	0.1000	3
Ag	107	72	He	0.003	ppb	161.6	33.33	0.0035	Pulse	0.1000	3
Cd	111	72	He	0.005	ppb	115.9	2.67	0.0003	Pulse	0.5000	3
Sn	120	159	He	0.032	ppb	109.4	1943.54	0.0371	Pulse	0.1000	3
Sb	121	159	He	0.076	ppb	22.0	146.67	0.0028	Pulse	0.1000	3
Ba	137	159	He	0.003	ppb	1791.4	40.00	0.0008	Pulse	0.1000	3
Tl	205	159	He	0.012	ppb	70.7	270.01	0.0051	Pulse	0.1000	3
Pb	208	159	He	0.004	ppb	137.0	390.02	0.0074	Pulse	0.1000	3
U	238	159	He	0.005	ppb	47.7	100.00	0.0019	Pulse	0.1000	3

ISTD Table:

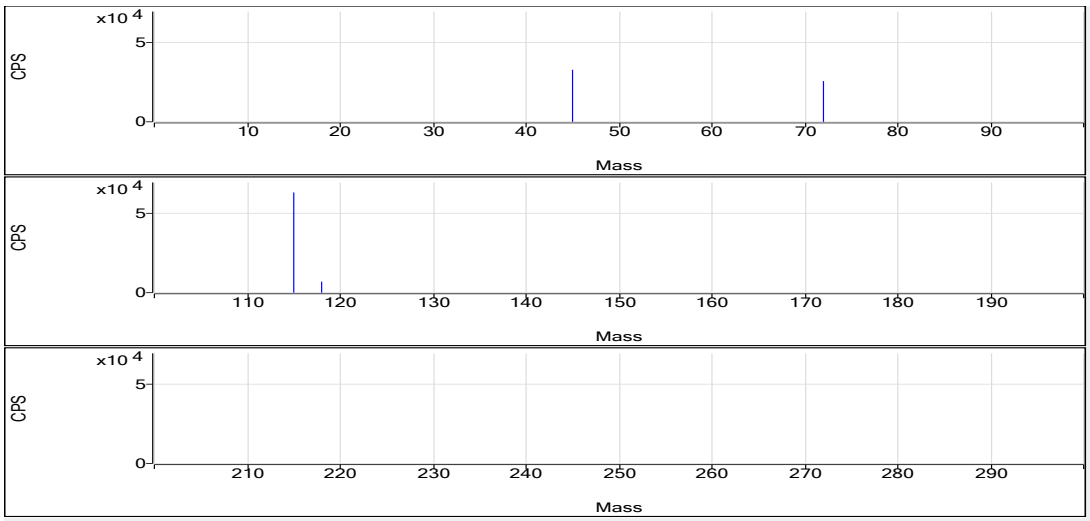
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	180388.92	0.5	98.4	Pulse	0.1000	3
No Gas	Ge	72	119698.63	0.7	106.9	Pulse	0.1000	3
H2	Sc	45	32867.96	0.9	96.9	Pulse	0.1000	3
H2	Ge	72	25707.11	1.6	99.4	Pulse	0.1000	3
H2	In	115	63305.38	1.3	99.0	Pulse	0.1000	3
He	Sc	45	4807.60	2.8	101.1	Pulse	0.1000	3
He	Ge	72	9650.30	3.6	99.2	Pulse	0.1000	3
He	In	115	11745.72	2.7	100.3	Pulse	0.1000	3
He	Tb	159	52449.20	1.9	105.1	Pulse	0.1000	3
He	Bi	209	44700.74	3.0	109.3	Pulse	0.1000	3

No Gas

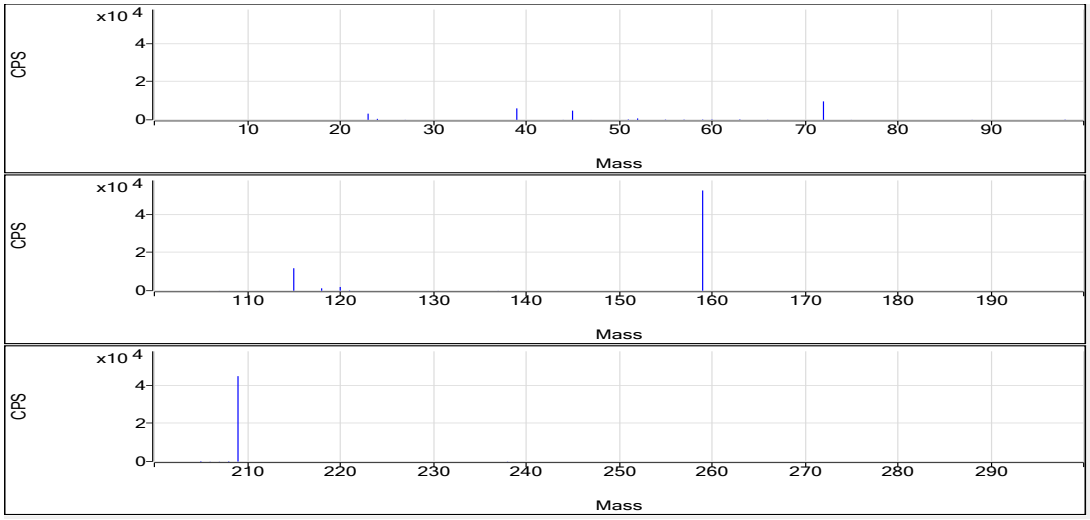


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.12	0.0006	104.00	0.0035	0.0001638
Be	9	1	No Gas	0.112	0.0006	100.00	0.0035	0.0001638
Be	9	1	No Gas	0.093	0.0005	88.00	0.0035	0.0001638
Se	78	2	H2	0.005	0.0001	2.67	0.0035	8.664E-05
Se	78	2	H2	0.071	0.0003	8.67	0.0035	8.664E-05
Se	78	2	H2	0.026	0.0002	4.67	0.0035	8.664E-05
Na	23	3	He	-7.544	0.6431	3190.45	0.0216	0.8064
Na	23	3	He	-6.849	0.6581	3100.45	0.0216	0.8064
Na	23	3	He	-4.285	0.7137	3390.51	0.0216	0.8064
Mg	24	3	He	0.318	0.1089	540.03	0.0109	0.1054
Mg	24	3	He	-0.321	0.1019	480.02	0.0109	0.1054
Mg	24	3	He	0.18	0.1074	510.03	0.0109	0.1054
Al	27	3	He	0.811	0.0121	60.00	0.0037	0.009095
Al	27	3	He	-1.312	0.0042	20.00	0.0037	0.009095
Al	27	3	He	0.387	0.0105	50.00	0.0037	0.009095
K	39	3	He	-3.456	1.2944	6421.63	0.0099	1.328
K	39	3	He	-10.707	1.223	5761.35	0.0099	1.328
K	39	3	He	-10.899	1.2211	5801.33	0.0099	1.328
Ca	44	3	He	8.227	0.0067	80.00	0.0002	0.004867
Ca	44	3	He	-14.52	0.0017	20.00	0.0002	0.004867
Ca	44	3	He	-18.212	0.0009	10.00	0.0002	0.004867
Ti	47	3	He	1.587	0.0032	30.00	0.002	0
Ti	47	3	He	0.492	0.001	10.00	0.002	0
Ti	47	3	He	0.505	0.001	10.00	0.002	0
V	51	3	He	0.029	0.0452	224.00	0.1638	0.04039
V	51	3	He	0.036	0.0463	218.00	0.1638	0.04039
V	51	3	He	0.018	0.0434	206.00	0.1638	0.04039
Cr	52	3	He	0.005	0.0841	780.04	0.1041	0.08357
Cr	52	3	He	-0.147	0.0683	680.04	0.1041	0.08357
Cr	52	3	He	-0.101	0.0731	710.04	0.1041	0.08357
Mn	55	3	He	0.127	0.014	130.00	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.226	0.0191	190.01	0.0509	0.00756
Mn	55	3	He	0.054	0.0103	100.00	0.0509	0.00756
Fe	57	3	He	2.059	0.0323	160.01	0.0041	0.02373
Fe	57	3	He	0.935	0.0276	130.01	0.0041	0.02373
Fe	57	3	He	0.37	0.0253	120.01	0.0041	0.02373
Co	59	3	He	0.032	0.0162	150.01	0.1966	0.009981
Co	59	3	He	0.031	0.0161	160.01	0.1966	0.009981
Co	59	3	He	0.043	0.0185	180.01	0.1966	0.009981
Ni	60	3	He	0.048	0.0208	250.01	0.0432	0.01878
Ni	60	3	He	-0.083	0.0152	180.01	0.0432	0.01878
Ni	60	3	He	-0.109	0.0141	160.01	0.0432	0.01878
Cu	63	3	He	0.025	0.015	180.01	0.1222	0.01194
Cu	63	3	He	0.054	0.0186	220.01	0.1222	0.01194
Cu	63	3	He	0.075	0.0211	240.01	0.1222	0.01194
Zn	66	3	He	0.031	0.0033	40.00	0.0159	0.002839
Zn	66	3	He	0.245	0.0067	80.00	0.0159	0.002839
Zn	66	3	He	0.318	0.0079	90.00	0.0159	0.002839
As	75	3	He	0.116	0.0025	30.00	0.0132	0.0009658
As	75	3	He	0.156	0.003	36.00	0.0132	0.0009658
As	75	3	He	0.126	0.0026	30.00	0.0132	0.0009658
Sr	88	3	He	-0.038	0.0022	20.00	0.0864	0.005458
Sr	88	3	He	0.03	0.008	80.00	0.0864	0.005458
Sr	88	3	He	-0.016	0.0041	40.00	0.0864	0.005458
Mo	98	3	He	0.038	0.0031	160.01	0.0303	0.001942
Mo	98	3	He	0.024	0.0027	140.01	0.0303	0.001942
Mo	98	3	He	-0.015	0.0015	80.00	0.0303	0.001942
Ag	107	3	He	0.008	0.0054	50.00	0.3501	0.002425
Ag	107	3	He	0.002	0.003	30.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.0021	20.00	0.3501	0.002425
Cd	111	3	He	0.008	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Sn	120	3	He	-0.002	0.0361	1860.18	0.0284	0.03615
Sn	120	3	He	0.068	0.0381	1990.20	0.0284	0.03615
Sn	120	3	He	0.029	0.037	1980.24	0.0284	0.03615
Sb	121	3	He	0.088	0.0031	160.01	0.0262	0.000803
Sb	121	3	He	0.057	0.0023	120.00	0.0262	0.000803
Sb	121	3	He	0.084	0.003	160.01	0.0262	0.000803
Ba	137	3	He	-0.035	0.0004	20.00	0.0098	0.0007342
Ba	137	3	He	0.062	0.0013	70.00	0.0098	0.0007342
Ba	137	3	He	-0.018	0.0006	30.00	0.0098	0.0007342
Tl	205	3	He	0.006	0.0039	200.01	0.1945	0.002744
Tl	205	3	He	0.022	0.0071	370.02	0.1945	0.002744
Tl	205	3	He	0.009	0.0045	240.01	0.1945	0.002744
Pb	208	3	He	0.007	0.0082	230.01	0.2651	0.006358
Pb	208	3	He	-0.002	0.0057	180.01	0.2651	0.006358
Pb	208	3	He	0.008	0.0084	250.01	0.2651	0.006358
U	238	3	He	0.004	0.0017	90.00	0.3022	0.0005338
U	238	3	He	0.003	0.0013	70.00	0.3022	0.0005338
U	238	3	He	0.007	0.0026	140.01	0.3022	0.0005338
Sc	45	1	No Gas			179433.98		
Sc	45	1	No Gas			181023.61		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			180709.16		
Ge	72	1	No Gas			119384.63		
Ge	72	1	No Gas			119043.40		
Ge	72	1	No Gas			120667.86		
Sc	45	2	H2			32607.48		
Sc	45	2	H2			33168.55		
Sc	45	2	H2			32827.84		
Ge	72	2	H2			25293.10		
Ge	72	2	H2			25723.75		
Ge	72	2	H2			26104.47		
In	115	2	H2			62531.29		
In	115	2	H2			63235.54		
In	115	2	H2			64149.31		
Sc	45	3	He			4961.00		
Sc	45	3	He			4710.88		
Sc	45	3	He			4750.93		
Ge	72	3	He			9273.37		
Ge	72	3	He			9963.92		
Ge	72	3	He			9713.61		
In	115	3	He			12005.61		
In	115	3	He			11865.43		
In	115	3	He			11395.13		
Tb	159	3	He			51529.20		
Tb	159	3	He			52271.99		
Tb	159	3	He			53546.42		
Bi	209	3	He			43884.56		
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Bi	209	3	He			46232.97		

Quantitation Report

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Total Dilution	1.0000
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Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

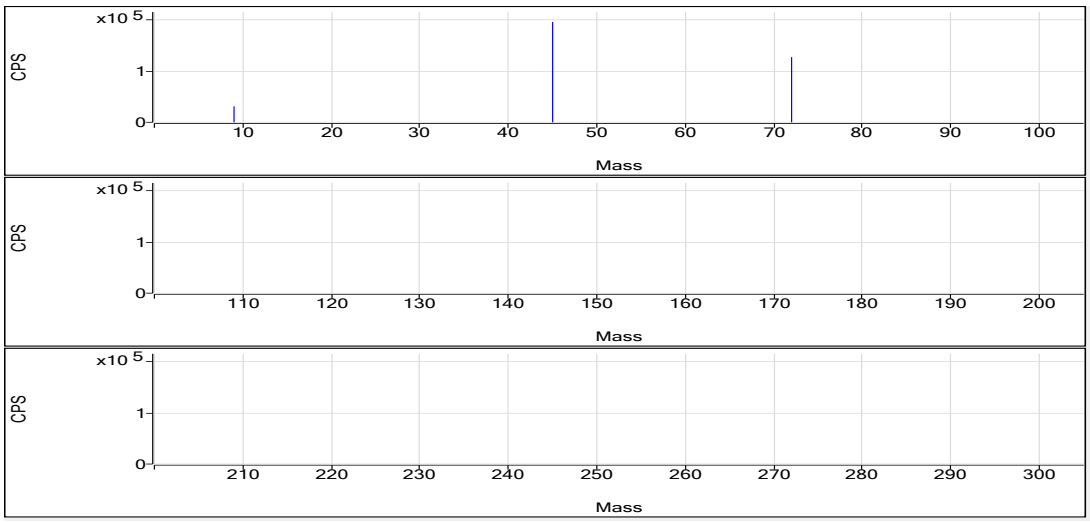
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	45.725	ppb	1.1	31230.55	0.1591	Pulse	0.5000	3
Se	78	72	H2	95.705	ppb	1.0	9225.66	0.3380	Pulse	1.5000	3
Na	23	45	He	4511.770	ppb	4.4	507287.77	98.4693	Pulse	0.1000	3
Mg	24	45	He	4580.927	ppb	4.5	257563.89	49.9989	Pulse	0.1000	3
Al	27	45	He	4549.613	ppb	4.4	86695.25	16.8283	Pulse	0.1000	3
K	39	45	He	4575.650	ppb	4.6	239055.93	46.4048	Pulse	0.1000	3
Ca	44	115	He	4733.613	ppb	1.3	13006.20	1.0416	Pulse	0.1000	3
Ti	47	72	He	466.078	ppb	3.4	9673.53	0.9498	Pulse	0.1000	3
V	51	45	He	456.151	ppb	4.2	385211.43	74.7712	Pulse	0.5000	3
Cr	52	72	He	456.193	ppb	1.5	484584.53	47.5839	Pulse	0.1000	3
Mn	55	72	He	457.103	ppb	1.4	236955.68	23.2680	Pulse	0.1000	3
Fe	57	45	He	4607.667	ppb	3.7	98414.33	19.0995	Pulse	0.1000	3
Co	59	72	He	455.887	ppb	1.3	913070.95	89.6594	Pulse	0.1000	3
Ni	60	115	He	460.234	ppb	0.8	248237.76	19.8812	Pulse	0.1000	3
Cu	63	115	He	472.376	ppb	0.6	720673.45	57.7181	Pulse	0.1000	3
Zn	66	115	He	480.535	ppb	0.9	95711.28	7.6652	Pulse	0.1000	3
As	75	115	He	475.715	ppb	0.8	78638.47	6.2983	Pulse	0.5000	3
Sr	88	72	He	45.289	ppb	3.8	39893.77	3.9175	Pulse	0.1000	3
Mo	98	159	He	46.851	ppb	3.0	78754.08	1.4230	Pulse	0.1000	3
Ag	107	72	He	47.060	ppb	0.9	167833.31	16.4801	Pulse	0.1000	3
Cd	111	72	He	47.040	ppb	0.6	21752.94	2.1360	Pulse	0.5000	3
Sn	120	159	He	92.189	ppb	3.1	147024.10	2.6567	Pulse	0.1000	3
Sb	121	159	He	94.753	ppb	2.7	137181.24	2.4786	Pulse	0.1000	3
Ba	137	159	He	470.411	ppb	2.2	255892.32	4.6233	Pulse	0.1000	3
Tl	205	159	He	95.542	ppb	2.5	1028644.23	18.5848	Pulse	0.1000	3
Pb	208	159	He	47.758	ppb	2.7	701183.01	12.6687	Pulse	0.1000	3
U	238	159	He	47.944	ppb	2.4	801986.89	14.4878	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	196332.13	0.8	107.1	Pulse	0.1000	3
No Gas	Ge	72	127619.58	1.0	114.0	Pulse	0.1000	3
H2	Sc	45	36015.31	0.8	106.2	Pulse	0.1000	3
H2	Ge	72	27296.87	1.6	105.5	Pulse	0.1000	3
H2	In	115	74795.28	1.3	117.0	Pulse	0.1000	3
He	Sc	45	5157.77	4.1	108.5	Pulse	0.1000	3
He	Ge	72	10183.92	0.3	104.7	Pulse	0.1000	3
He	In	115	12486.12	0.8	106.6	Pulse	0.1000	3
He	Tb	159	55367.62	2.4	111.0	Pulse	0.1000	3
He	Bi	209	46757.79	1.3	114.4	Pulse	0.1000	3

No Gas



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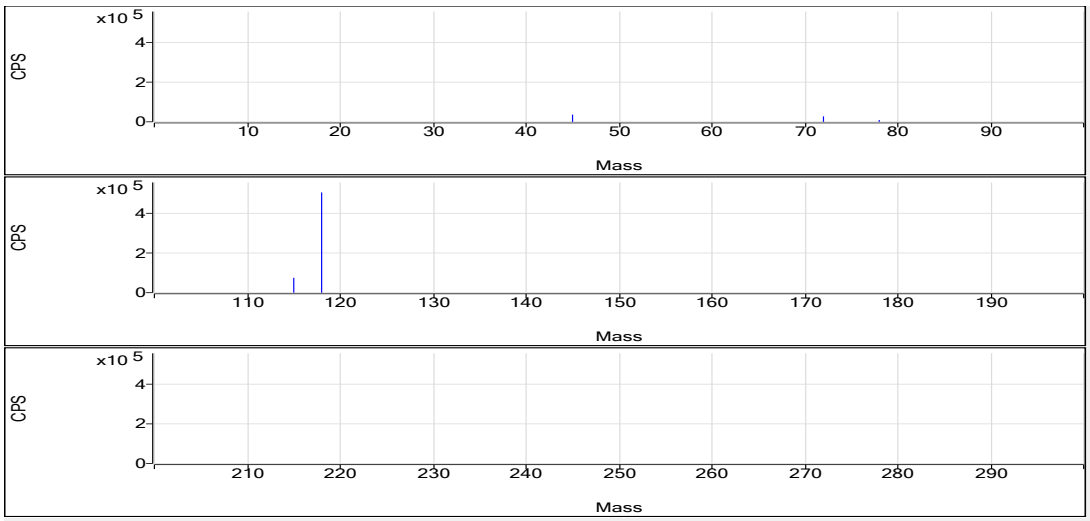
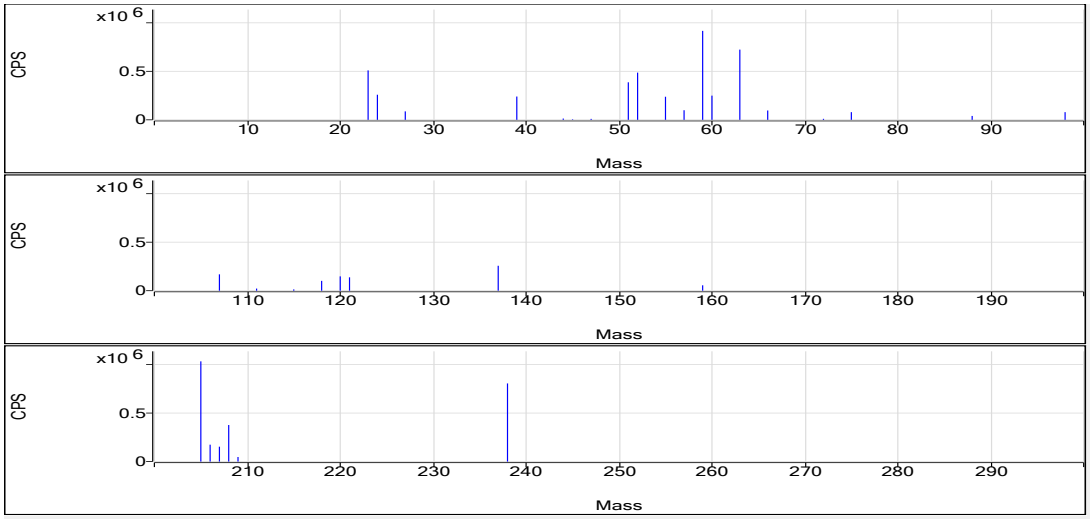


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	45.17	0.1571	31124.31	0.0035	0.0001638
Be	9	1	No Gas	45.911	0.1597	31178.41	0.0035	0.0001638
Be	9	1	No Gas	46.096	0.1604	31388.93	0.0035	0.0001638
Se	78	2	H2	95.586	0.3376	9373.08	0.0035	8.664E-05
Se	78	2	H2	94.835	0.3349	9024.19	0.0035	8.664E-05
Se	78	2	H2	96.693	0.3415	9279.70	0.0035	8.664E-05
Na	23	3	He	4536.236	98.9989	513915.19	0.0216	0.8064
Na	23	3	He	4698.39	102.5089	505475.62	0.0216	0.8064
Na	23	3	He	4300.684	93.9001	502472.49	0.0216	0.8064
Mg	24	3	He	4560.894	49.7807	258417.73	0.0109	0.1054
Mg	24	3	He	4797.634	52.3592	258185.35	0.0109	0.1054
Mg	24	3	He	4384.253	47.8568	256088.59	0.0109	0.1054
Al	27	3	He	4467.875	16.5262	85789.27	0.0037	0.009095
Al	27	3	He	4776.536	17.6672	87117.83	0.0037	0.009095
Al	27	3	He	4404.428	16.2916	87178.66	0.0037	0.009095
K	39	3	He	4570.396	46.3531	240624.33	0.0099	1.328
K	39	3	He	4787.389	48.4907	239109.78	0.0099	1.328
K	39	3	He	4369.166	44.3707	237433.67	0.0099	1.328
Ca	44	3	He	4801.78	1.0565	13306.48	0.0002	0.004867
Ca	44	3	He	4684.63	1.0309	12776.03	0.0002	0.004867
Ca	44	3	He	4714.43	1.0374	12936.10	0.0002	0.004867
Ti	47	3	He	451.568	0.9203	9353.36	0.002	0
Ti	47	3	He	483.002	0.9843	10053.76	0.002	0
Ti	47	3	He	463.664	0.9449	9613.46	0.002	0
V	51	3	He	455.248	74.6231	387377.72	0.1638	0.04039
V	51	3	He	475.716	77.9764	384504.81	0.1638	0.04039
V	51	3	He	437.491	71.714	383751.75	0.1638	0.04039
Cr	52	3	He	464.002	48.3969	491899.48	0.1041	0.08357
Cr	52	3	He	453.791	47.3337	483463.78	0.1041	0.08357
Cr	52	3	He	450.787	47.021	478390.34	0.1041	0.08357
Mn	55	3	He	464.617	23.6504	240379.23	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	452.876	23.0529	235461.36	0.0509	0.00756
Mn	55	3	He	453.816	23.1008	235026.44	0.0509	0.00756
Fe	57	3	He	4633.946	19.2083	99712.69	0.0041	0.02373
Fe	57	3	He	4764.244	19.7478	97376.98	0.0041	0.02373
Fe	57	3	He	4424.812	18.3425	98153.31	0.0041	0.02373
Co	59	3	He	462.641	90.9876	924785.69	0.1966	0.009981
Co	59	3	He	452.413	88.9763	908798.27	0.1966	0.009981
Co	59	3	He	452.606	89.0143	905628.89	0.1966	0.009981
Ni	60	3	He	461.65	19.9423	251167.91	0.0432	0.01878
Ni	60	3	He	463.228	20.0104	248001.40	0.0432	0.01878
Ni	60	3	He	455.824	19.6908	245543.98	0.0432	0.01878
Cu	63	3	He	473.324	57.8339	728403.35	0.1222	0.01194
Cu	63	3	He	474.457	57.9723	718487.33	0.1222	0.01194
Cu	63	3	He	469.348	57.3481	715129.68	0.1222	0.01194
Zn	66	3	He	484.858	7.7341	97409.21	0.0159	0.002839
Zn	66	3	He	480.91	7.6712	95073.82	0.0159	0.002839
Zn	66	3	He	475.838	7.5903	94650.81	0.0159	0.002839
As	75	3	He	472.375	6.2541	78769.13	0.0132	0.0009658
As	75	3	He	479.821	6.3527	78733.00	0.0132	0.0009658
As	75	3	He	474.947	6.2882	78413.30	0.0132	0.0009658
Sr	88	3	He	47.254	4.0872	41541.75	0.0864	0.005458
Sr	88	3	He	44.669	3.8639	39465.64	0.0864	0.005458
Sr	88	3	He	43.944	3.8013	38673.91	0.0864	0.005458
Mo	98	3	He	48.312	1.4673	79736.14	0.0303	0.001942
Mo	98	3	He	45.464	1.381	78549.72	0.0303	0.001942
Mo	98	3	He	46.777	1.4208	77976.38	0.0303	0.001942
Ag	107	3	He	47.132	16.5054	167758.16	0.3501	0.002425
Ag	107	3	He	47.434	16.6109	169663.12	0.3501	0.002425
Ag	107	3	He	46.614	16.3239	166078.65	0.3501	0.002425
Cd	111	3	He	47.241	2.1452	21803.04	0.0454	6.986E-05
Cd	111	3	He	46.694	2.1203	21656.79	0.0454	6.986E-05
Cd	111	3	He	47.185	2.1426	21798.99	0.0454	6.986E-05
Sn	120	3	He	94.373	2.7188	147742.70	0.0284	0.03615
Sn	120	3	He	88.926	2.564	145840.74	0.0284	0.03615
Sn	120	3	He	93.267	2.6874	147488.86	0.0284	0.03615
Sb	121	3	He	97.269	2.5444	138265.43	0.0262	0.000803
Sb	121	3	He	92.238	2.4129	137245.55	0.0262	0.000803
Sb	121	3	He	94.753	2.4786	136032.75	0.0262	0.000803
Ba	137	3	He	478.99	4.7076	255815.45	0.0098	0.0007342
Ba	137	3	He	458.779	4.509	256475.80	0.0098	0.0007342
Ba	137	3	He	473.465	4.6534	255385.70	0.0098	0.0007342
Tl	205	3	He	95.967	18.6675	1014397.95	0.1945	0.002744
Tl	205	3	He	92.941	18.0789	1028334.36	0.1945	0.002744
Tl	205	3	He	97.718	19.008	1043200.38	0.1945	0.002744
Pb	208	3	He	47.953	12.7203	371581.83	0.2651	0.006358
Pb	208	3	He	46.382	12.3038	373213.71	0.2651	0.006358
Pb	208	3	He	48.939	12.9819	380745.78	0.2651	0.006358
U	238	3	He	47.59	14.3808	781458.97	0.3022	0.0005338
U	238	3	He	47.022	14.2091	808217.80	0.3022	0.0005338
U	238	3	He	49.221	14.8734	816283.89	0.3022	0.0005338
Sc	45	1	No Gas			198059.84		
Sc	45	1	No Gas			195204.39		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			195732.17		
Ge	72	1	No Gas			127413.53		
Ge	72	1	No Gas			126426.11		
Ge	72	1	No Gas			129019.11		
Sc	45	2	H2			36155.49		
Sc	45	2	H2			36195.77		
Sc	45	2	H2			35694.66		
Ge	72	2	H2			27767.81		
Ge	72	2	H2			26946.12		
Ge	72	2	H2			27176.67		
In	115	2	H2			75435.89		
In	115	2	H2			75314.26		
In	115	2	H2			73635.68		
Sc	45	3	He			5191.12		
Sc	45	3	He			4931.04		
Sc	45	3	He			5351.14		
Ge	72	3	He			10163.86		
Ge	72	3	He			10213.94		
Ge	72	3	He			10173.97		
In	115	3	He			13376.79		
In	115	3	He			13186.68		
In	115	3	He			13256.71		
Tb	159	3	He			54340.39		
Tb	159	3	He			56880.40		
Tb	159	3	He			54882.07		
Bi	209	3	He			46052.06		
Bi	209	3	He			47085.38		
Bi	209	3	He			47135.92		

Quantitation Report

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Sample Name	410-225004-J-2-A
Sample Type	Sample
Comment	A29
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

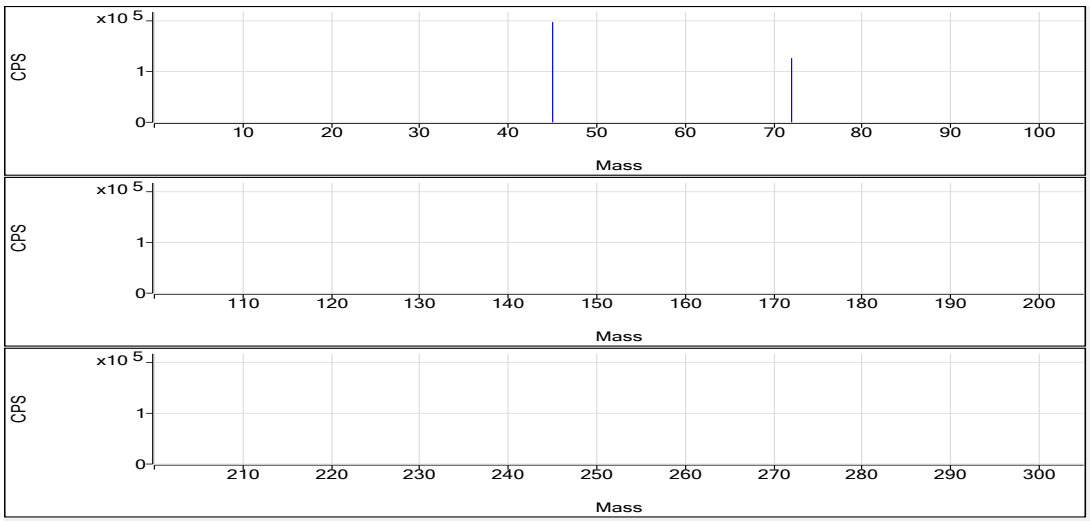
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.098	ppb	22.9	99.33	0.0005	Pulse	0.5000	3
Se	78	72	H2	0.082	ppb	48.0	10.22	0.0004	Pulse	1.5000	3
Na	23	45	He	35081.321	ppb	10.8	3817827.76	760.1854	Mix	0.1000	3
Mg	24	45	He	9069.602	ppb	3.5	497446.40	98.8877	Pulse	0.1000	3
Al	27	45	He	19.199	ppb	12.3	403.35	0.0801	Pulse	0.1000	3
K	39	45	He	3102.347	ppb	3.7	160422.68	31.8908	Pulse	0.1000	3
Ca	44	115	He	56363.182	ppb	2.2	159509.45	12.3490	Pulse	0.1000	3
Ti	47	72	He	1.218	ppb	74.5	26.67	0.0025	Pulse	0.1000	3
V	51	45	He	0.016	ppb	186.0	216.67	0.0430	Pulse	0.5000	3
Cr	52	72	He	-0.105	ppb	N/A	760.05	0.0726	Pulse	0.1000	3
Mn	55	72	He	654.403	ppb	3.9	350752.57	33.3080	Pulse	0.1000	3
Fe	57	45	He	1095.494	ppb	2.2	22942.20	4.5591	Pulse	0.1000	3
Co	59	72	He	0.242	ppb	12.9	606.71	0.0576	Pulse	0.1000	3
Ni	60	115	He	0.354	ppb	15.3	440.02	0.0340	Pulse	0.1000	3
Cu	63	115	He	0.086	ppb	11.8	290.01	0.0225	Pulse	0.1000	3
Zn	66	115	He	1.409	ppb	9.3	326.68	0.0253	Pulse	0.1000	3
As	75	115	He	0.575	ppb	18.2	110.67	0.0086	Pulse	0.5000	3
Sr	88	72	He	130.990	ppb	4.1	119202.74	11.3201	Pulse	0.1000	3
Mo	98	159	He	0.135	ppb	3.9	340.02	0.0060	Pulse	0.1000	3
Ag	107	72	He	0.002	ppb	398.2	33.33	0.0032	Pulse	0.1000	3
Cd	111	72	He	0.004	ppb	118.7	2.67	0.0003	Pulse	0.5000	3
Sn	120	159	He	-0.152	ppb	N/A	1786.85	0.0318	Pulse	0.1000	3
Sb	121	159	He	0.049	ppb	46.3	116.67	0.0021	Pulse	0.1000	3
Ba	137	159	He	97.334	ppb	2.8	53836.83	0.9572	Pulse	0.1000	3
Tl	205	159	He	0.005	ppb	79.2	213.34	0.0038	Pulse	0.1000	3
Pb	208	159	He	0.047	ppb	13.6	1053.38	0.0187	Pulse	0.1000	3
U	238	159	He	0.088	ppb	9.2	1526.82	0.0271	Pulse	0.1000	3

ISTD Table:

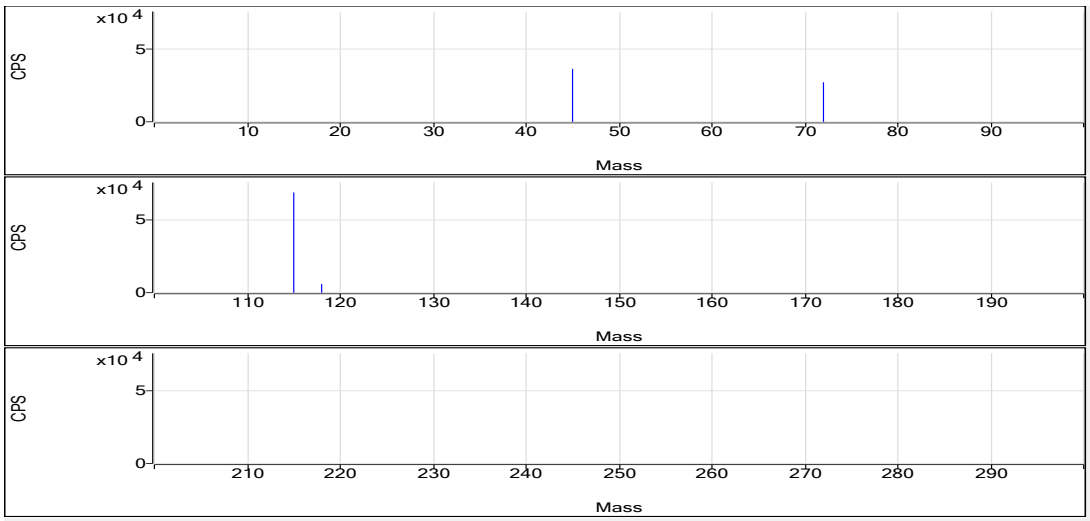
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	196674.35	1.3	107.3	Pulse	0.1000	3
No Gas	Ge	72	125890.13	1.1	112.4	Pulse	0.1000	3
H2	Sc	45	36539.99	0.9	107.7	Pulse	0.1000	3
H2	Ge	72	27283.44	2.2	105.5	Pulse	0.1000	3
H2	In	115	69182.48	1.6	108.2	Pulse	0.1000	3
He	Sc	45	5034.37	3.4	105.9	Pulse	0.1000	3
He	Ge	72	10540.99	3.8	108.3	Pulse	0.1000	3
He	In	115	12920.74	2.2	110.3	Pulse	0.1000	3
He	Tb	159	56278.39	3.4	112.8	Pulse	0.1000	3
He	Bi	209	46105.34	0.7	112.8	Pulse	0.1000	3

No Gas

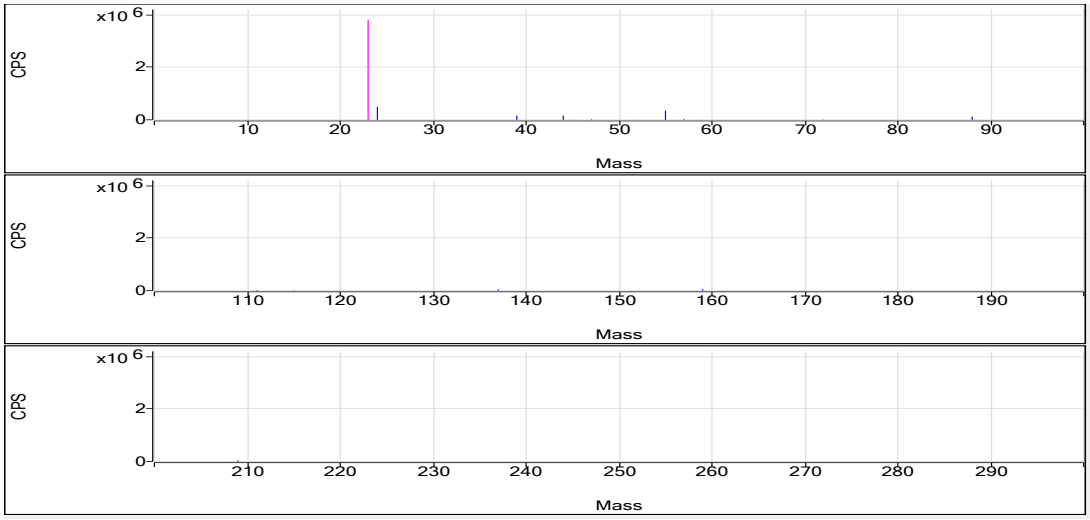


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.095	0.0005	98.00	0.0035	0.0001638
Be	9	1	No Gas	0.122	0.0006	114.00	0.0035	0.0001638
Be	9	1	No Gas	0.078	0.0004	86.00	0.0035	0.0001638
Se	78	2	H2	0.077	0.0004	10.00	0.0035	8.664E-05
Se	78	2	H2	0.045	0.0002	6.67	0.0035	8.664E-05
Se	78	2	H2	0.123	0.0005	14.00	0.0035	8.664E-05
Na	23	3	He	32999.556	715.123	3655029.32	0.0216	0.8064
Na	23	3	He	39472.449	855.2368	4140175.88	0.0216	0.8064
Na	23	3	He	32771.957	710.1963	3658278.07	0.0216	0.8064
Mg	24	3	He	8968.069	97.7818	499767.81	0.0109	0.1054
Mg	24	3	He	9429.498	102.8075	497688.12	0.0109	0.1054
Mg	24	3	He	8811.238	96.0737	494883.27	0.0109	0.1054
Al	27	3	He	21.886	0.09	460.02	0.0037	0.009095
Al	27	3	He	18.216	0.0764	370.02	0.0037	0.009095
Al	27	3	He	17.496	0.0738	380.02	0.0037	0.009095
K	39	3	He	3062.687	31.5001	160998.51	0.0099	1.328
K	39	3	He	3232.405	33.172	160584.84	0.0099	1.328
K	39	3	He	3011.948	31.0002	159684.69	0.0099	1.328
Ca	44	3	He	57768.842	12.6569	159427.12	0.0002	0.004867
Ca	44	3	He	56012.985	12.2723	160738.34	0.0002	0.004867
Ca	44	3	He	55307.719	12.1179	158362.88	0.0002	0.004867
Ti	47	3	He	0.943	0.0019	20.00	0.002	0
Ti	47	3	He	2.232	0.0045	50.00	0.002	0
Ti	47	3	He	0.48	0.001	10.00	0.002	0
V	51	3	He	0.05	0.0485	248.00	0.1638	0.04039
V	51	3	He	-0.004	0.0397	192.00	0.1638	0.04039
V	51	3	He	0.002	0.0408	210.00	0.1638	0.04039
Cr	52	3	He	-0.11	0.0721	750.05	0.1041	0.08357
Cr	52	3	He	-0.296	0.0528	580.04	0.1041	0.08357
Cr	52	3	He	0.09	0.0929	950.07	0.1041	0.08357
Mn	55	3	He	661.654	33.677	350386.64	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	626.186	31.8721	350420.89	0.0509	0.00756
Mn	55	3	He	675.37	34.3749	351450.19	0.0509	0.00756
Fe	57	3	He	1097.746	4.5684	23349.38	0.0041	0.02373
Fe	57	3	He	1118.347	4.6537	22528.41	0.0041	0.02373
Fe	57	3	He	1070.388	4.4551	22948.82	0.0041	0.02373
Co	59	3	He	0.218	0.0529	550.03	0.1966	0.009981
Co	59	3	He	0.231	0.0555	610.04	0.1966	0.009981
Co	59	3	He	0.278	0.0646	660.05	0.1966	0.009981
Ni	60	3	He	0.338	0.0333	420.02	0.0432	0.01878
Ni	60	3	He	0.414	0.0367	480.03	0.0432	0.01878
Ni	60	3	He	0.31	0.0321	420.02	0.0432	0.01878
Cu	63	3	He	0.097	0.0238	300.01	0.1222	0.01194
Cu	63	3	He	0.077	0.0214	280.01	0.1222	0.01194
Cu	63	3	He	0.084	0.0222	290.01	0.1222	0.01194
Zn	66	3	He	1.515	0.027	340.02	0.0159	0.002839
Zn	66	3	He	1.45	0.026	340.02	0.0159	0.002839
Zn	66	3	He	1.262	0.023	300.01	0.0159	0.002839
As	75	3	He	0.659	0.0097	122.00	0.0132	0.0009658
As	75	3	He	0.458	0.007	92.00	0.0132	0.0009658
As	75	3	He	0.609	0.009	118.00	0.0132	0.0009658
Sr	88	3	He	133.366	11.5254	119913.94	0.0864	0.005458
Sr	88	3	He	124.899	10.794	118675.82	0.0864	0.005458
Sr	88	3	He	134.705	11.6411	119018.47	0.0864	0.005458
Mo	98	3	He	0.141	0.0062	340.01	0.0303	0.001942
Mo	98	3	He	0.131	0.0059	330.02	0.0303	0.001942
Mo	98	3	He	0.134	0.006	350.02	0.0303	0.001942
Ag	107	3	He	-0.007	0	0.00	0.3501	0.002425
Ag	107	3	He	0.003	0.0036	40.00	0.3501	0.002425
Ag	107	3	He	0.01	0.0059	60.00	0.3501	0.002425
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Sn	120	3	He	-0.093	0.0335	1830.18	0.0284	0.03615
Sn	120	3	He	-0.062	0.0344	1920.21	0.0284	0.03615
Sn	120	3	He	-0.301	0.0276	1610.15	0.0284	0.03615
Sb	121	3	He	0.074	0.0027	150.01	0.0262	0.000803
Sb	121	3	He	0.031	0.0016	90.00	0.0262	0.000803
Sb	121	3	He	0.041	0.0019	110.01	0.0262	0.000803
Ba	137	3	He	99.983	0.9832	53716.42	0.0098	0.0007342
Ba	137	3	He	97.458	0.9584	53515.84	0.0098	0.0007342
Ba	137	3	He	94.56	0.93	54278.24	0.0098	0.0007342
Tl	205	3	He	0.007	0.004	220.01	0.1945	0.002744
Tl	205	3	He	0.001	0.0029	160.01	0.1945	0.002744
Tl	205	3	He	0.009	0.0045	260.01	0.1945	0.002744
Pb	208	3	He	0.045	0.0183	520.03	0.2651	0.006358
Pb	208	3	He	0.054	0.0206	610.03	0.2651	0.006358
Pb	208	3	He	0.041	0.0173	460.03	0.2651	0.006358
U	238	3	He	0.081	0.0251	1370.13	0.3022	0.0005338
U	238	3	He	0.085	0.0263	1470.15	0.3022	0.0005338
U	238	3	He	0.097	0.0298	1740.18	0.3022	0.0005338
Sc	45	1	No Gas			197798.30		
Sc	45	1	No Gas			193683.00		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			198541.75		
Ge	72	1	No Gas			126777.31		
Ge	72	1	No Gas			124286.21		
Ge	72	1	No Gas			126606.88		
Sc	45	2	H2			36195.80		
Sc	45	2	H2			36887.44		
Sc	45	2	H2			36536.74		
Ge	72	2	H2			27958.07		
Ge	72	2	H2			27076.40		
Ge	72	2	H2			26815.85		
In	115	2	H2			68076.80		
In	115	2	H2			69243.27		
In	115	2	H2			70227.36		
Sc	45	3	He			5111.05		
Sc	45	3	He			4840.97		
Sc	45	3	He			5151.08		
Ge	72	3	He			10404.34		
Ge	72	3	He			10994.59		
Ge	72	3	He			10224.03		
In	115	3	He			12606.21		
In	115	3	He			13106.50		
In	115	3	He			13076.56		
Tb	159	3	He			54631.73		
Tb	159	3	He			55836.75		
Tb	159	3	He			58366.70		
Bi	209	3	He			45730.85		
Bi	209	3	He			46252.47		
Bi	209	3	He			46332.70		

Quantitation Report

Data File Name	040SMPL.d
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Sample Type	Sample
Comment	A29
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

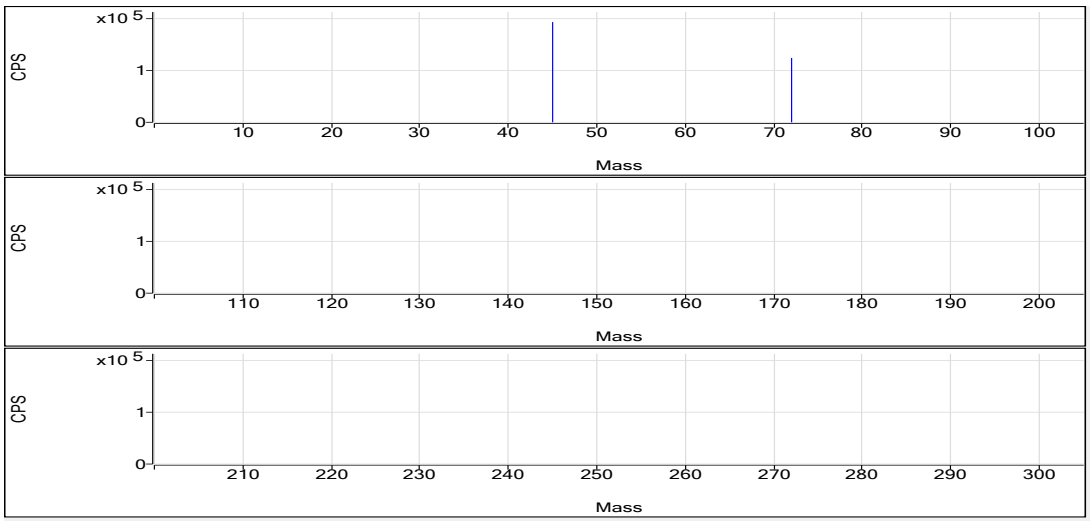
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.086	ppb	15.7	90.00	0.0005	Pulse	0.5000	3
Se	78	72	H2	0.072	ppb	31.1	9.11	0.0003	Pulse	1.5000	3
Na	23	45	He	37326.089	ppb	6.2	3922062.13	808.7762	Mix	0.1000	3
Mg	24	45	He	9376.038	ppb	8.1	494549.87	102.2253	Pulse	0.1000	3
Al	27	45	He	20.431	ppb	38.6	406.69	0.0846	Pulse	0.1000	3
K	39	45	He	3179.668	ppb	9.8	157869.39	32.6525	Pulse	0.1000	3
Ca	44	115	He	55378.500	ppb	5.2	156588.48	12.1334	Pulse	0.1000	3
Ti	47	72	He	0.325	ppb	173.2	6.67	0.0007	Pulse	0.1000	3
V	51	45	He	0.051	ppb	41.3	236.67	0.0488	Pulse	0.5000	3
Cr	52	72	He	-0.115	ppb	N/A	720.05	0.0715	Pulse	0.1000	3
Mn	55	72	He	683.018	ppb	3.7	350145.74	34.7641	Pulse	0.1000	3
Fe	57	45	He	1129.586	ppb	6.1	22761.93	4.7002	Pulse	0.1000	3
Co	59	72	He	0.265	ppb	13.2	626.71	0.0621	Pulse	0.1000	3
Ni	60	115	He	0.206	ppb	34.0	356.69	0.0277	Pulse	0.1000	3
Cu	63	115	He	0.093	ppb	61.1	303.35	0.0233	Pulse	0.1000	3
Zn	66	115	He	1.368	ppb	27.2	316.68	0.0247	Pulse	0.1000	3
As	75	115	He	0.536	ppb	12.5	104.00	0.0081	Pulse	0.5000	3
Sr	88	72	He	134.235	ppb	3.5	116844.29	11.6004	Pulse	0.1000	3
Mo	98	159	He	0.149	ppb	26.1	360.02	0.0065	Pulse	0.1000	3
Ag	107	72	He	0.001	ppb	308.4	30.00	0.0029	Pulse	0.1000	3
Cd	111	72	He	0.009	ppb	104.2	4.67	0.0005	Pulse	0.5000	3
Sn	120	159	He	-0.324	ppb	N/A	1500.14	0.0269	Pulse	0.1000	3
Sb	121	159	He	0.031	ppb	56.7	90.00	0.0016	Pulse	0.1000	3
Ba	137	159	He	99.955	ppb	1.2	54686.62	0.9830	Pulse	0.1000	3
Tl	205	159	He	0.000	ppb	3587.9	153.34	0.0028	Pulse	0.1000	3
Pb	208	159	He	0.045	ppb	13.3	1023.39	0.0184	Pulse	0.1000	3
U	238	159	He	0.084	ppb	6.4	1436.80	0.0258	Pulse	0.1000	3

ISTD Table:

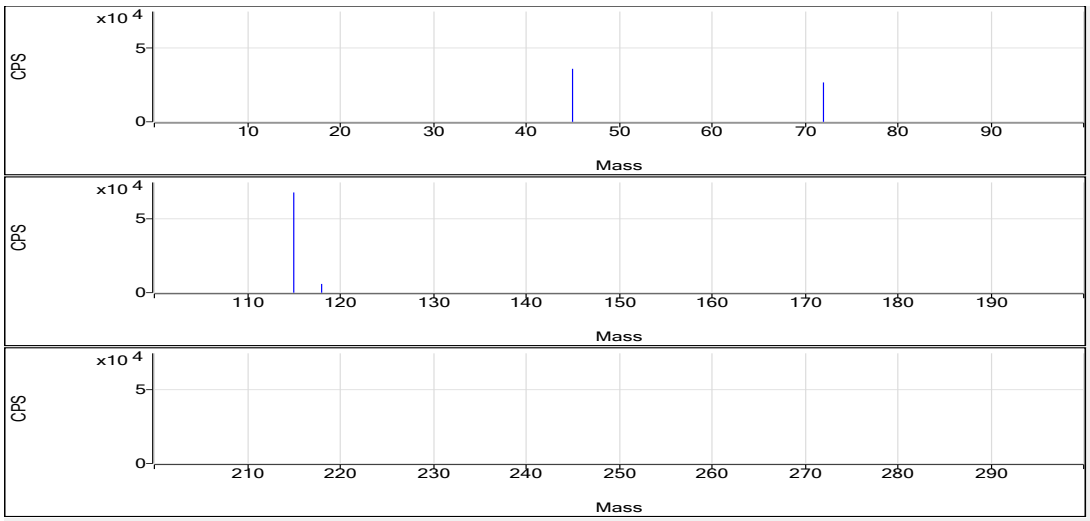
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	194351.17	1.3	106.0	Pulse	0.1000	3
No Gas	Ge	72	124814.93	0.4	111.5	Pulse	0.1000	3
H2	Sc	45	36042.32	0.9	106.3	Pulse	0.1000	3
H2	Ge	72	26765.79	1.1	103.5	Pulse	0.1000	3
H2	In	115	68144.33	1.0	106.6	Pulse	0.1000	3
He	Sc	45	4857.65	7.6	102.2	Pulse	0.1000	3
He	Ge	72	10080.55	3.5	103.6	Pulse	0.1000	3
He	In	115	12922.77	4.0	110.3	Pulse	0.1000	3
He	Tb	159	55638.87	1.1	111.5	Pulse	0.1000	3
He	Bi	209	46011.76	0.2	112.5	Pulse	0.1000	3

No Gas

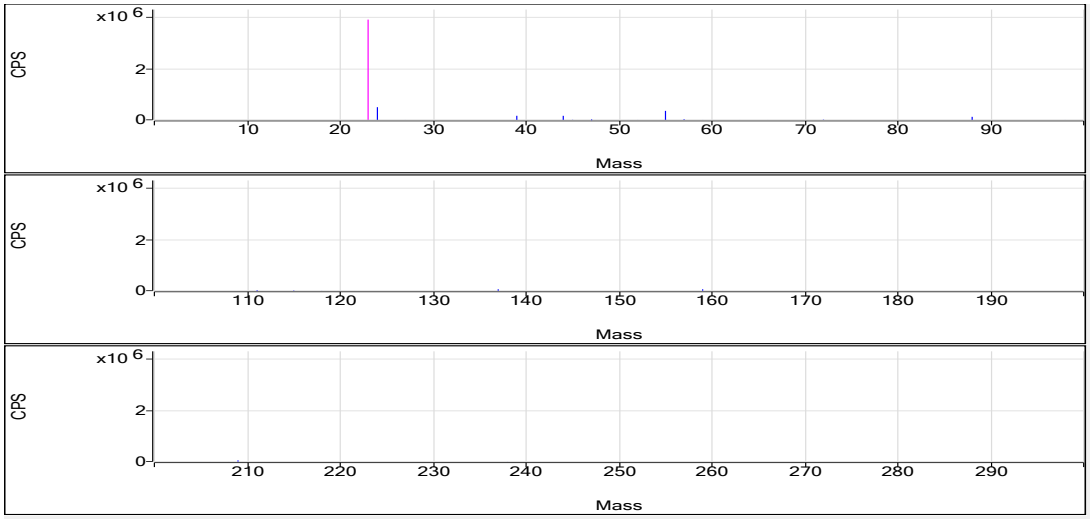


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.076	0.0004	82.00	0.0035	0.0001638
Be	9	1	No Gas	0.081	0.0004	88.00	0.0035	0.0001638
Be	9	1	No Gas	0.101	0.0005	100.00	0.0035	0.0001638
Se	78	2	H2	0.097	0.0004	11.33	0.0035	8.664E-05
Se	78	2	H2	0.066	0.0003	8.67	0.0035	8.664E-05
Se	78	2	H2	0.053	0.0003	7.33	0.0035	8.664E-05
Na	23	3	He	36650.024	794.1419	3629927.45	0.0216	0.8064
Na	23	3	He	39917.929	864.8798	4091677.13	0.0216	0.8064
Na	23	3	He	35410.314	767.3068	4044581.81	0.0216	0.8064
Mg	24	3	He	9989.39	108.9056	497794.56	0.0109	0.1054
Mg	24	3	He	9613.1	104.8072	495834.64	0.0109	0.1054
Mg	24	3	He	8525.623	92.9629	490020.42	0.0109	0.1054
Al	27	3	He	29.499	0.1181	540.04	0.0037	0.009095
Al	27	3	He	15.265	0.0655	310.01	0.0037	0.009095
Al	27	3	He	16.528	0.0702	370.02	0.0037	0.009095
K	39	3	He	3454.585	35.3608	161630.02	0.0099	1.328
K	39	3	He	3243.247	33.2789	157439.58	0.0099	1.328
K	39	3	He	2841.172	29.3179	154538.58	0.0099	1.328
Ca	44	3	He	56650.524	12.412	159323.27	0.0002	0.004867
Ca	44	3	He	57377.75	12.5712	156584.10	0.0002	0.004867
Ca	44	3	He	52107.227	11.4169	153858.06	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0.976	0.002	20.00	0.002	0
V	51	3	He	0.074	0.0525	240.00	0.1638	0.04039
V	51	3	He	0.032	0.0457	216.00	0.1638	0.04039
V	51	3	He	0.048	0.0482	254.00	0.1638	0.04039
Cr	52	3	He	-0.223	0.0603	630.04	0.1041	0.08357
Cr	52	3	He	-0.142	0.0688	670.04	0.1041	0.08357
Cr	52	3	He	0.019	0.0855	860.06	0.1041	0.08357
Mn	55	3	He	659.59	33.572	350628.67	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	709.706	36.1222	351959.49	0.0509	0.00756
Mn	55	3	He	679.756	34.5981	347849.06	0.0509	0.00756
Fe	57	3	He	1179.994	4.9089	22438.08	0.0041	0.02373
Fe	57	3	He	1158.291	4.8191	22798.62	0.0041	0.02373
Fe	57	3	He	1050.472	4.3727	23049.08	0.0041	0.02373
Co	59	3	He	0.275	0.0642	670.04	0.1966	0.009981
Co	59	3	He	0.226	0.0544	530.03	0.1966	0.009981
Co	59	3	He	0.293	0.0676	680.05	0.1966	0.009981
Ni	60	3	He	0.215	0.028	360.02	0.0432	0.01878
Ni	60	3	He	0.272	0.0305	380.02	0.0432	0.01878
Ni	60	3	He	0.132	0.0245	330.02	0.0432	0.01878
Cu	63	3	He	0.049	0.0179	230.01	0.1222	0.01194
Cu	63	3	He	0.073	0.0209	260.01	0.1222	0.01194
Cu	63	3	He	0.157	0.0312	420.02	0.1222	0.01194
Zn	66	3	He	1.581	0.028	360.02	0.0159	0.002839
Zn	66	3	He	1.584	0.0281	350.01	0.0159	0.002839
Zn	66	3	He	0.939	0.0178	240.01	0.0159	0.002839
As	75	3	He	0.598	0.0089	114.00	0.0132	0.0009658
As	75	3	He	0.546	0.0082	102.00	0.0132	0.0009658
As	75	3	He	0.465	0.0071	96.00	0.0132	0.0009658
Sr	88	3	He	129.272	11.1718	116678.88	0.0864	0.005458
Sr	88	3	He	138.584	11.9761	116689.85	0.0864	0.005458
Sr	88	3	He	134.849	11.6535	117164.14	0.0864	0.005458
Mo	98	3	He	0.104	0.0051	280.01	0.0303	0.001942
Mo	98	3	He	0.171	0.0071	400.02	0.0303	0.001942
Mo	98	3	He	0.171	0.0071	400.02	0.0303	0.001942
Ag	107	3	He	0.007	0.0048	50.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.0021	20.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Cd	111	3	He	0.012	0.0006	6.00	0.0454	6.986E-05
Cd	111	3	He	0.016	0.0008	8.00	0.0454	6.986E-05
Sn	120	3	He	-0.394	0.025	1370.13	0.0284	0.03615
Sn	120	3	He	-0.21	0.0302	1690.17	0.0284	0.03615
Sn	120	3	He	-0.367	0.0257	1440.11	0.0284	0.03615
Sb	121	3	He	0.011	0.0011	60.00	0.0262	0.000803
Sb	121	3	He	0.038	0.0018	100.00	0.0262	0.000803
Sb	121	3	He	0.044	0.002	110.01	0.0262	0.000803
Ba	137	3	He	101.257	0.9958	54670.01	0.0098	0.0007342
Ba	137	3	He	99.806	0.9815	54980.77	0.0098	0.0007342
Ba	137	3	He	98.803	0.9716	54409.08	0.0098	0.0007342
Tl	205	3	He	-0.002	0.0024	130.00	0.1945	0.002744
Tl	205	3	He	0.001	0.0029	160.01	0.1945	0.002744
Tl	205	3	He	0.002	0.003	170.01	0.1945	0.002744
Pb	208	3	He	0.045	0.0184	530.03	0.2651	0.006358
Pb	208	3	He	0.051	0.02	500.03	0.2651	0.006358
Pb	208	3	He	0.039	0.0168	540.03	0.2651	0.006358
U	238	3	He	0.09	0.0277	1520.14	0.3022	0.0005338
U	238	3	He	0.082	0.0252	1410.12	0.3022	0.0005338
U	238	3	He	0.08	0.0246	1380.13	0.3022	0.0005338
Sc	45	1	No Gas			192186.89		
Sc	45	1	No Gas			197133.18		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			193733.45		
Ge	72	1	No Gas			124559.14		
Ge	72	1	No Gas			125406.97		
Ge	72	1	No Gas			124478.68		
Sc	45	2	H2			36006.07		
Sc	45	2	H2			35734.47		
Sc	45	2	H2			36386.41		
Ge	72	2	H2			26465.28		
Ge	72	2	H2			27056.14		
Ge	72	2	H2			26775.96		
In	115	2	H2			67996.78		
In	115	2	H2			67565.02		
In	115	2	H2			68871.19		
Sc	45	3	He			4570.88		
Sc	45	3	He			4730.92		
Sc	45	3	He			5271.14		
Ge	72	3	He			10444.09		
Ge	72	3	He			9743.58		
Ge	72	3	He			10053.98		
In	115	3	He			12846.48		
In	115	3	He			12466.04		
In	115	3	He			13486.91		
Tb	159	3	He			54902.50		
Tb	159	3	He			56017.18		
Tb	159	3	He			55996.94		
Bi	209	3	He			45951.53		
Bi	209	3	He			45961.34		
Bi	209	3	He			46122.40		

Quantitation Report

Data File Name	041SMPL.d
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Sample Type	Sample
Comment	A29
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

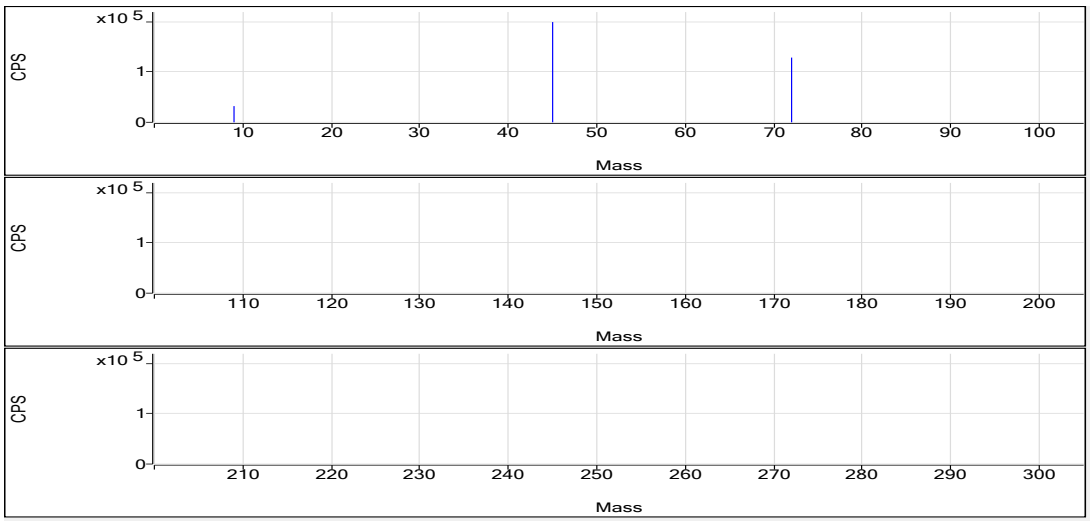
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	46.442	ppb	1.5	32209.23	0.1616	Pulse	0.5000	3
Se	78	72	H2	96.158	ppb	1.9	9496.72	0.3396	Pulse	1.5000	3
Na	23	45	He	35493.429	ppb	3.7	4076924.83	769.1060	Analog	0.1000	3
Mg	24	45	He	13081.411	ppb	4.0	755766.29	142.5826	Pulse	0.1000	3
Al	27	45	He	4558.697	ppb	5.2	89357.39	16.8619	Pulse	0.1000	3
K	39	45	He	7482.299	ppb	4.3	397734.28	75.0393	Pulse	0.1000	3
Ca	44	115	He	58615.195	ppb	0.6	170967.47	12.8423	Pulse	0.1000	3
Ti	47	72	He	454.368	ppb	4.5	9560.08	0.9260	Pulse	0.1000	3
V	51	45	He	457.595	ppb	3.6	397610.85	75.0077	Pulse	0.5000	3
Cr	52	72	He	456.236	ppb	1.3	491095.97	47.5883	Pulse	0.1000	3
Mn	55	72	He	1121.097	ppb	1.5	588784.84	57.0565	Pulse	0.1000	3
Fe	57	45	He	5552.124	ppb	2.2	122006.09	23.0096	Pulse	0.1000	3
Co	59	72	He	454.158	ppb	1.8	921672.80	89.3194	Pulse	0.1000	3
Ni	60	115	He	436.177	ppb	1.6	250819.66	18.8429	Pulse	0.1000	3
Cu	63	115	He	439.994	ppb	1.8	715626.94	53.7623	Pulse	0.1000	3
Zn	66	115	He	456.190	ppb	1.4	96866.01	7.2770	Pulse	0.1000	3
As	75	115	He	461.534	ppb	1.1	81343.44	6.1106	Pulse	0.5000	3
Sr	88	72	He	178.551	ppb	1.0	159228.87	15.4284	Pulse	0.1000	3
Mo	98	159	He	47.246	ppb	1.2	80614.42	1.4350	Pulse	0.1000	3
Ag	107	72	He	46.600	ppb	3.0	168369.51	16.3190	Pulse	0.1000	3
Cd	111	72	He	45.949	ppb	2.2	21529.27	2.0865	Pulse	0.5000	3
Sn	120	159	He	92.522	ppb	1.3	149787.45	2.6662	Pulse	0.1000	3
Sb	121	159	He	96.261	ppb	0.9	141467.38	2.5181	Pulse	0.1000	3
Ba	137	159	He	572.968	ppb	1.2	316340.80	5.6312	Pulse	0.1000	3
Tl	205	159	He	96.574	ppb	1.5	1055371.13	18.7856	Pulse	0.1000	3
Pb	208	159	He	48.084	ppb	2.2	716546.39	12.7552	Pulse	0.1000	3
U	238	159	He	49.375	ppb	2.4	838162.15	14.9199	Pulse	0.1000	3

ISTD Table:

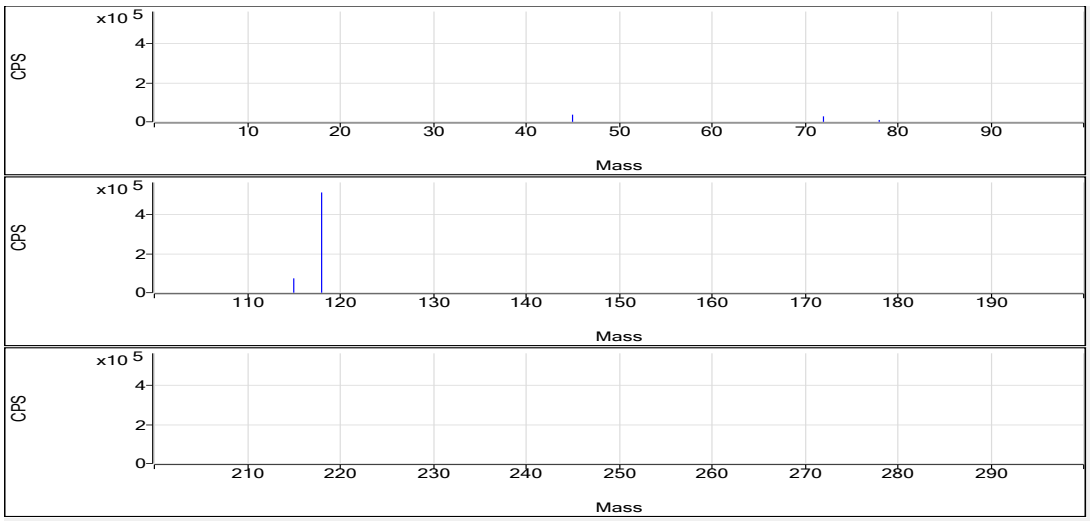
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	199387.85	1.9	108.8	Pulse	0.1000	3
No Gas	Ge	72	128725.08	1.3	114.9	Pulse	0.1000	3
H2	Sc	45	36626.86	1.9	108.0	Pulse	0.1000	3
H2	Ge	72	27971.55	1.3	108.1	Pulse	0.1000	3
H2	In	115	73521.80	0.8	115.0	Pulse	0.1000	3
He	Sc	45	5304.47	2.8	111.6	Pulse	0.1000	3
He	Ge	72	10320.78	1.6	106.1	Pulse	0.1000	3
He	In	115	13313.52	1.8	113.7	Pulse	0.1000	3
He	Tb	159	56180.87	1.0	112.6	Pulse	0.1000	3
He	Bi	209	45767.75	3.7	111.9	Pulse	0.1000	3

No Gas

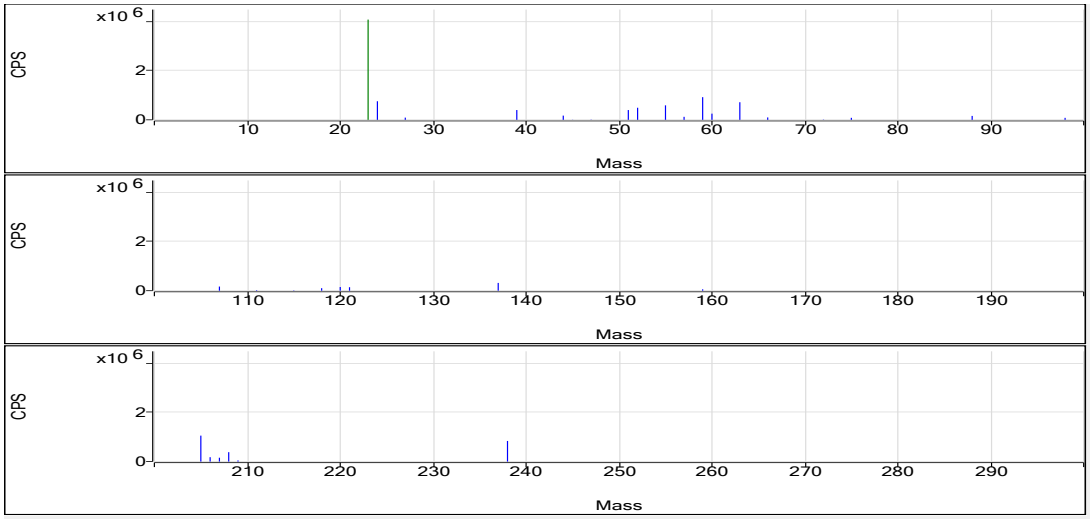


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	45.665	0.1589	32356.87	0.0035	0.0001638
Be	9	1	No Gas	46.795	0.1628	32232.63	0.0035	0.0001638
Be	9	1	No Gas	46.867	0.163	32038.18	0.0035	0.0001638
Se	78	2	H2	97.601	0.3447	9549.86	0.0035	8.664E-05
Se	78	2	H2	96.787	0.3418	9504.50	0.0035	8.664E-05
Se	78	2	H2	94.087	0.3323	9435.79	0.0035	8.664E-05
Na	23	3	He	36704.879	795.3293	4112759.31	0.0216	0.8064
Na	23	3	He	35675.756	773.0527	4082553.06	0.0216	0.8064
Na	23	3	He	34099.652	738.9359	4035462.13	0.0216	0.8064
Mg	24	3	He	13528.864	147.4561	762516.08	0.0109	0.1054
Mg	24	3	He	13214.892	144.0364	760667.96	0.0109	0.1054
Mg	24	3	He	12500.476	136.2553	744114.83	0.0109	0.1054
Al	27	3	He	4781.912	17.6871	91462.50	0.0037	0.009095
Al	27	3	He	4587.026	16.9666	89602.19	0.0037	0.009095
Al	27	3	He	4307.152	15.932	87007.47	0.0037	0.009095
K	39	3	He	7792.076	78.091	403819.41	0.0099	1.328
K	39	3	He	7505.869	75.2715	397514.56	0.0099	1.328
K	39	3	He	7148.953	71.7553	391868.86	0.0099	1.328
Ca	44	3	He	58432.961	12.8023	173736.76	0.0002	0.004867
Ca	44	3	He	58418.611	12.7992	169688.73	0.0002	0.004867
Ca	44	3	He	58994.014	12.9252	169476.91	0.0002	0.004867
Ti	47	3	He	477.117	0.9723	10203.82	0.002	0
Ti	47	3	He	448.619	0.9142	9283.24	0.002	0
Ti	47	3	He	437.369	0.8913	9193.19	0.002	0
V	51	3	He	473.764	77.6567	401573.59	0.1638	0.04039
V	51	3	He	458.476	75.1521	396884.00	0.1638	0.04039
V	51	3	He	440.544	72.2142	394374.97	0.1638	0.04039
Cr	52	3	He	453.699	47.3242	496632.26	0.1041	0.08357
Cr	52	3	He	462.9	48.2822	490256.67	0.1041	0.08357
Cr	52	3	He	452.108	47.1586	486398.98	0.1041	0.08357
Mn	55	3	He	1111.57	56.5718	593678.12	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	1141.066	58.0727	589668.94	0.0509	0.00756
Mn	55	3	He	1110.655	56.5252	583007.45	0.0509	0.00756
Fe	57	3	He	5641.21	23.3784	120893.02	0.0041	0.02373
Fe	57	3	He	5599.766	23.2068	122557.12	0.0041	0.02373
Fe	57	3	He	5415.394	22.4435	122568.14	0.0041	0.02373
Co	59	3	He	447.238	87.9587	923060.77	0.1966	0.009981
Co	59	3	He	462.919	91.0424	924442.41	0.1966	0.009981
Co	59	3	He	452.316	88.9572	917515.22	0.1966	0.009981
Ni	60	3	He	428.002	18.4901	250924.04	0.0432	0.01878
Ni	60	3	He	439.862	19.002	251923.45	0.0432	0.01878
Ni	60	3	He	440.667	19.0367	249611.50	0.0432	0.01878
Cu	63	3	He	431.092	52.6748	714833.35	0.1222	0.01194
Cu	63	3	He	444.739	54.3419	720452.02	0.1222	0.01194
Cu	63	3	He	444.151	54.2701	711595.46	0.1222	0.01194
Zn	66	3	He	448.951	7.1616	97187.49	0.0159	0.002839
Zn	66	3	He	457.7	7.3011	96795.87	0.0159	0.002839
Zn	66	3	He	461.919	7.3684	96614.68	0.0159	0.002839
As	75	3	He	456.154	6.0394	81958.73	0.0132	0.0009658
As	75	3	He	462.292	6.1207	81146.12	0.0132	0.0009658
As	75	3	He	466.157	6.1718	80925.48	0.0132	0.0009658
Sr	88	3	He	179.062	15.4725	162372.33	0.0864	0.005458
Sr	88	3	He	179.97	15.551	157904.35	0.0864	0.005458
Sr	88	3	He	176.62	15.2616	157409.93	0.0864	0.005458
Mo	98	3	He	47.389	1.4394	80541.57	0.0303	0.001942
Mo	98	3	He	46.603	1.4155	80429.77	0.0303	0.001942
Mo	98	3	He	47.746	1.4502	80871.92	0.0303	0.001942
Ag	107	3	He	45.249	15.8459	166291.07	0.3501	0.002425
Ag	107	3	He	48.038	16.8226	170816.74	0.3501	0.002425
Ag	107	3	He	46.513	16.2884	168000.72	0.3501	0.002425
Cd	111	3	He	45.174	2.0513	21526.63	0.0454	6.986E-05
Cd	111	3	He	47.087	2.1382	21710.88	0.0454	6.986E-05
Cd	111	3	He	45.586	2.07	21350.31	0.0454	6.986E-05
Sn	120	3	He	93.898	2.7053	151380.52	0.0284	0.03615
Sn	120	3	He	91.957	2.6501	150581.50	0.0284	0.03615
Sn	120	3	He	91.713	2.6432	147400.34	0.0284	0.03615
Sb	121	3	He	97.22	2.5432	142305.75	0.0262	0.000803
Sb	121	3	He	95.972	2.5105	142648.84	0.0262	0.000803
Sb	121	3	He	95.592	2.5006	139447.56	0.0262	0.000803
Ba	137	3	He	572.137	5.623	314641.81	0.0098	0.0007342
Ba	137	3	He	566.71	5.5697	316469.19	0.0098	0.0007342
Ba	137	3	He	580.059	5.7008	317911.40	0.0098	0.0007342
Tl	205	3	He	95.116	18.502	1035305.84	0.1945	0.002744
Tl	205	3	He	96.527	18.7764	1066881.16	0.1945	0.002744
Tl	205	3	He	98.08	19.0785	1063926.39	0.1945	0.002744
Pb	208	3	He	47.256	12.5355	371313.16	0.2651	0.006358
Pb	208	3	He	47.69	12.6506	383475.38	0.2651	0.006358
Pb	208	3	He	49.307	13.0794	390940.54	0.2651	0.006358
U	238	3	He	48.354	14.6116	817613.19	0.3022	0.0005338
U	238	3	He	49.061	14.825	842363.58	0.3022	0.0005338
U	238	3	He	50.709	15.3232	854509.67	0.3022	0.0005338
Sc	45	1	No Gas			203670.09		
Sc	45	1	No Gas			197993.28		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			196500.17		
Ge	72	1	No Gas			130531.16		
Ge	72	1	No Gas			127343.29		
Ge	72	1	No Gas			128300.80		
Sc	45	2	H2			35985.29		
Sc	45	2	H2			37368.63		
Sc	45	2	H2			36526.67		
Ge	72	2	H2			27707.77		
Ge	72	2	H2			27807.93		
Ge	72	2	H2			28398.94		
In	115	2	H2			73072.32		
In	115	2	H2			74158.85		
In	115	2	H2			73334.23		
Sc	45	3	He			5171.14		
Sc	45	3	He			5281.08		
Sc	45	3	He			5461.18		
Ge	72	3	He			10494.25		
Ge	72	3	He			10153.98		
Ge	72	3	He			10314.12		
In	115	3	He			14367.82		
In	115	3	He			14047.73		
In	115	3	He			13907.43		
Tb	159	3	He			55956.45		
Tb	159	3	He			56820.30		
Tb	159	3	He			55765.87		
Bi	209	3	He			43814.01		
Bi	209	3	He			46553.87		
Bi	209	3	He			46935.36		

Quantitation Report

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Sample Name	410-225004-J-2-C MSD
Sample Type	Sample
Comment	A29
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

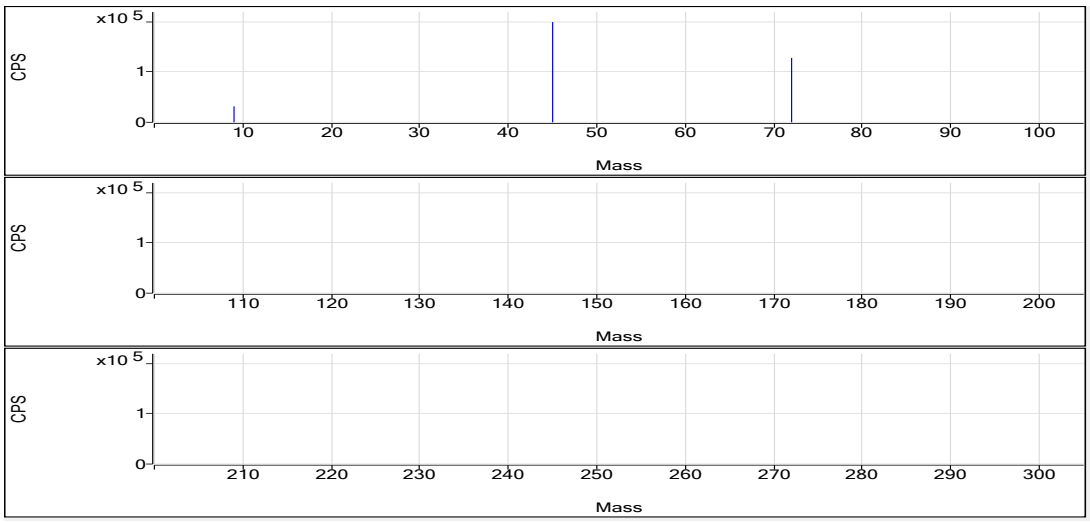
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	45.759	ppb	1.3	31644.76	0.1592	Pulse	0.5000	3
Se	78	72	H2	98.020	ppb	1.0	9585.66	0.3461	Pulse	1.5000	3
Na	23	45	He	35222.476	ppb	3.6	4100717.13	763.2409	Analog	0.1000	3
Mg	24	45	He	12895.254	ppb	3.9	755113.87	140.5551	Pulse	0.1000	3
Al	27	45	He	4522.570	ppb	2.2	89910.79	16.7284	Pulse	0.1000	3
K	39	45	He	7365.323	ppb	4.0	396945.70	73.8869	Pulse	0.1000	3
Ca	44	115	He	61120.900	ppb	3.8	171561.60	13.3910	Pulse	0.1000	3
Ti	47	72	He	462.246	ppb	5.7	9703.52	0.9420	Pulse	0.1000	3
V	51	45	He	447.402	ppb	3.4	394048.11	73.3378	Pulse	0.5000	3
Cr	52	72	He	453.957	ppb	2.8	487933.04	47.3510	Pulse	0.1000	3
Mn	55	72	He	1120.264	ppb	3.6	587409.24	57.0141	Pulse	0.1000	3
Fe	57	45	He	5447.977	ppb	2.9	121330.41	22.5784	Pulse	0.1000	3
Co	59	72	He	450.418	ppb	3.5	912689.44	88.5840	Pulse	0.1000	3
Ni	60	115	He	449.068	ppb	2.9	248587.07	19.3993	Pulse	0.1000	3
Cu	63	115	He	456.328	ppb	3.2	714440.30	55.7577	Pulse	0.1000	3
Zn	66	115	He	469.162	ppb	3.9	95876.53	7.4838	Pulse	0.1000	3
As	75	115	He	478.480	ppb	3.4	81166.53	6.3349	Pulse	0.5000	3
Sr	88	72	He	178.609	ppb	5.1	158962.23	15.4334	Pulse	0.1000	3
Mo	98	159	He	46.983	ppb	3.8	80205.78	1.4271	Pulse	0.1000	3
Ag	107	72	He	46.030	ppb	4.5	166050.53	16.1194	Pulse	0.1000	3
Cd	111	72	He	46.360	ppb	2.2	21696.22	2.1052	Pulse	0.5000	3
Sn	120	159	He	91.532	ppb	3.0	148287.35	2.6381	Pulse	0.1000	3
Sb	121	159	He	96.152	ppb	2.0	141406.84	2.5152	Pulse	0.1000	3
Ba	137	159	He	567.474	ppb	3.1	313487.70	5.5772	Pulse	0.1000	3
Tl	205	159	He	95.362	ppb	1.2	1043055.27	18.5499	Pulse	0.1000	3
Pb	208	159	He	47.838	ppb	1.3	713622.29	12.6899	Pulse	0.1000	3
U	238	159	He	49.623	ppb	0.8	843333.68	14.9951	Pulse	0.1000	3

ISTD Table:

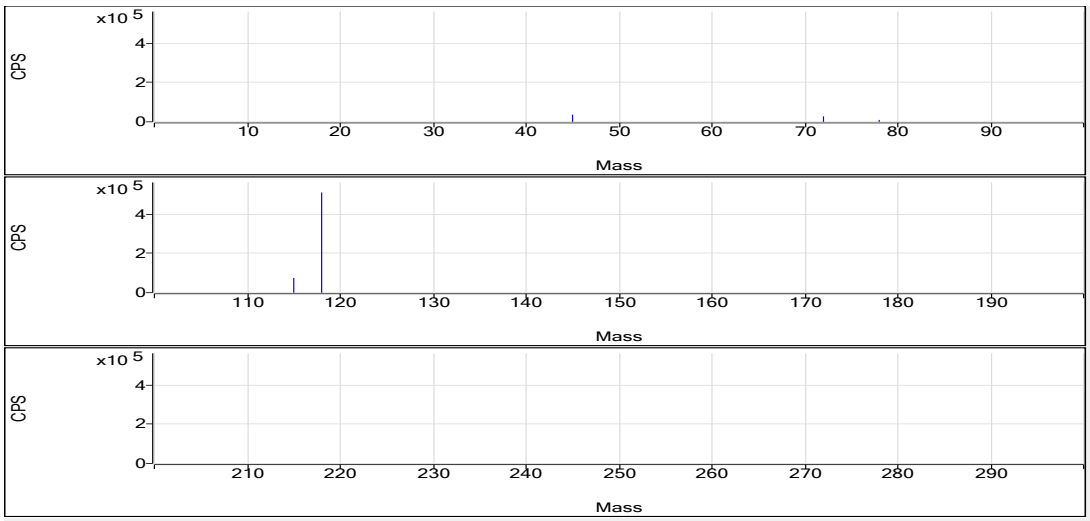
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	198775.40	0.9	108.5	Pulse	0.1000	3
No Gas	Ge	72	127683.44	0.9	114.0	Pulse	0.1000	3
H2	Sc	45	36563.39	0.8	107.8	Pulse	0.1000	3
H2	Ge	72	27694.46	1.0	107.1	Pulse	0.1000	3
H2	In	115	74929.29	1.7	117.2	Pulse	0.1000	3
He	Sc	45	5377.86	3.9	113.1	Pulse	0.1000	3
He	Ge	72	10310.77	3.2	106.0	Pulse	0.1000	3
He	In	115	12823.37	3.7	109.5	Pulse	0.1000	3
He	Tb	159	56241.22	2.8	112.7	Pulse	0.1000	3
He	Bi	209	45847.68	2.6	112.1	Pulse	0.1000	3

No Gas

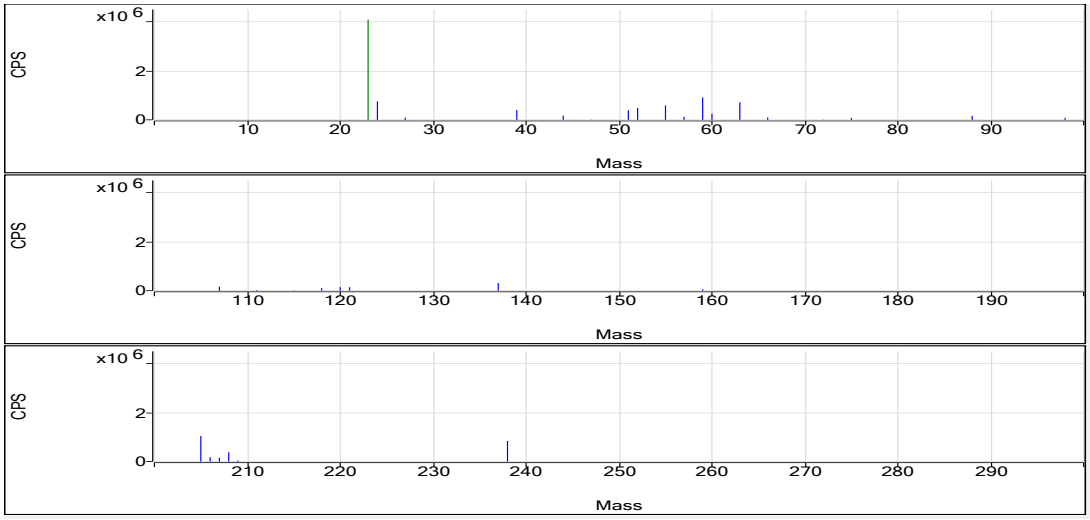


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	45.331	0.1577	31028.09	0.0035	0.0001638
Be	9	1	No Gas	45.501	0.1583	31715.61	0.0035	0.0001638
Be	9	1	No Gas	46.444	0.1616	32190.57	0.0035	0.0001638
Se	78	2	H2	96.883	0.3421	9582.54	0.0035	8.664E-05
Se	78	2	H2	98.807	0.3489	9597.89	0.0035	8.664E-05
Se	78	2	H2	98.372	0.3474	9576.55	0.0035	8.664E-05
Na	23	3	He	34888.34	756.0081	4090903.38	0.0216	0.8064
Na	23	3	He	34147.725	739.9765	4122616.50	0.0216	0.8064
Na	23	3	He	36631.362	793.738	4088631.50	0.0216	0.8064
Mg	24	3	He	12835.089	139.8998	757024.29	0.0109	0.1054
Mg	24	3	He	12426.626	135.451	754635.30	0.0109	0.1054
Mg	24	3	He	13424.049	146.3145	753682.02	0.0109	0.1054
Al	27	3	He	4493.265	16.62	89934.10	0.0037	0.009095
Al	27	3	He	4440.32	16.4243	91504.32	0.0037	0.009095
Al	27	3	He	4634.126	17.1408	88293.96	0.0037	0.009095
K	39	3	He	7333.668	73.575	398128.51	0.0099	1.328
K	39	3	He	7089.482	71.1695	396505.07	0.0099	1.328
K	39	3	He	7672.819	76.9161	396203.51	0.0099	1.328
Ca	44	3	He	63780.207	13.9735	172189.80	0.0002	0.004867
Ca	44	3	He	59433.713	13.0215	172909.24	0.0002	0.004867
Ca	44	3	He	60148.78	13.1781	169585.76	0.0002	0.004867
Ti	47	3	He	481.158	0.9806	10103.76	0.002	0
Ti	47	3	He	473.473	0.9649	9633.48	0.002	0
Ti	47	3	He	432.107	0.8806	9373.33	0.002	0
V	51	3	He	445.526	73.0305	395181.97	0.1638	0.04039
V	51	3	He	433.201	71.0112	395623.44	0.1638	0.04039
V	51	3	He	463.48	75.9718	391338.91	0.1638	0.04039
Cr	52	3	He	455.901	47.5535	489995.11	0.1041	0.08357
Cr	52	3	He	465.712	48.575	484970.15	0.1041	0.08357
Cr	52	3	He	440.257	45.9246	488833.86	0.1041	0.08357
Mn	55	3	He	1123.287	57.168	589063.35	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	1158.914	58.9809	588862.10	0.0509	0.00756
Mn	55	3	He	1078.591	54.8935	584302.26	0.0509	0.00756
Fe	57	3	He	5402.869	22.3917	121165.58	0.0041	0.02373
Fe	57	3	He	5315.208	22.0288	122728.36	0.0041	0.02373
Fe	57	3	He	5625.855	23.3148	120097.28	0.0041	0.02373
Co	59	3	He	447.267	87.9644	906392.72	0.1966	0.009981
Co	59	3	He	467.744	91.9912	918434.60	0.1966	0.009981
Co	59	3	He	436.243	85.7964	913241.00	0.1966	0.009981
Ni	60	3	He	463.646	20.0284	246802.79	0.0432	0.01878
Ni	60	3	He	438.469	18.9418	251523.59	0.0432	0.01878
Ni	60	3	He	445.09	19.2276	247434.84	0.0432	0.01878
Cu	63	3	He	472.567	57.7415	711527.26	0.1222	0.01194
Cu	63	3	He	444.368	54.2965	720988.82	0.1222	0.01194
Cu	63	3	He	452.05	55.235	710804.83	0.1222	0.01194
Zn	66	3	He	489.933	7.815	96301.93	0.0159	0.002839
Zn	66	3	He	454.842	7.2555	96343.78	0.0159	0.002839
Zn	66	3	He	462.711	7.381	94983.88	0.0159	0.002839
As	75	3	He	495.112	6.5551	80776.23	0.0132	0.0009658
As	75	3	He	462.628	6.1251	81333.40	0.0132	0.0009658
As	75	3	He	477.701	6.3246	81389.95	0.0132	0.0009658
Sr	88	3	He	181.575	15.6896	161666.42	0.0864	0.005458
Sr	88	3	He	185.908	16.0639	160381.04	0.0864	0.005458
Sr	88	3	He	168.344	14.5467	154839.24	0.0864	0.005458
Mo	98	3	He	48.738	1.4803	80631.45	0.0303	0.001942
Mo	98	3	He	47.042	1.4288	81143.98	0.0303	0.001942
Mo	98	3	He	45.17	1.372	78841.90	0.0303	0.001942
Ag	107	3	He	45.313	15.8683	163508.63	0.3501	0.002425
Ag	107	3	He	48.378	16.9415	169143.04	0.3501	0.002425
Ag	107	3	He	44.399	15.5482	165499.92	0.3501	0.002425
Cd	111	3	He	45.943	2.0862	21496.57	0.0454	6.986E-05
Cd	111	3	He	47.527	2.1581	21546.66	0.0454	6.986E-05
Cd	111	3	He	45.61	2.0711	22045.44	0.0454	6.986E-05
Sn	120	3	He	94.484	2.722	148267.49	0.0284	0.03615
Sn	120	3	He	91.111	2.6261	149136.13	0.0284	0.03615
Sn	120	3	He	89.002	2.5661	147458.42	0.0284	0.03615
Sb	121	3	He	98.369	2.5732	140164.53	0.0262	0.000803
Sb	121	3	He	95.228	2.4911	141467.42	0.0262	0.000803
Sb	121	3	He	94.858	2.4814	142588.57	0.0262	0.000803
Ba	137	3	He	587.609	5.775	314569.31	0.0098	0.0007342
Ba	137	3	He	558.823	5.4921	311898.24	0.0098	0.0007342
Ba	137	3	He	555.989	5.4643	313995.54	0.0098	0.0007342
Tl	205	3	He	96.66	18.8023	1024174.98	0.1945	0.002744
Tl	205	3	He	94.53	18.388	1044251.08	0.1945	0.002744
Tl	205	3	He	94.897	18.4595	1060739.75	0.1945	0.002744
Pb	208	3	He	48.27	12.8045	374530.58	0.2651	0.006358
Pb	208	3	He	47.117	12.4987	377997.85	0.2651	0.006358
Pb	208	3	He	48.126	12.7664	392086.17	0.2651	0.006358
U	238	3	He	49.755	15.035	818965.85	0.3022	0.0005338
U	238	3	He	49.19	14.8642	844134.67	0.3022	0.0005338
U	238	3	He	49.925	15.0862	866900.53	0.3022	0.0005338
Sc	45	1	No Gas			196743.26		
Sc	45	1	No Gas			200353.30		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			199229.63		
Ge	72	1	No Gas			128443.53		
Ge	72	1	No Gas			128321.84		
Ge	72	1	No Gas			126284.94		
Sc	45	2	H2			36636.79		
Sc	45	2	H2			36807.65		
Sc	45	2	H2			36245.72		
Ge	72	2	H2			28008.53		
Ge	72	2	H2			27507.34		
Ge	72	2	H2			27567.51		
In	115	2	H2			73494.49		
In	115	2	H2			75767.25		
In	115	2	H2			75526.14		
Sc	45	3	He			5411.19		
Sc	45	3	He			5571.28		
Sc	45	3	He			5151.11		
Ge	72	3	He			10304.08		
Ge	72	3	He			9983.94		
Ge	72	3	He			10644.28		
In	115	3	He			13106.48		
In	115	3	He			14067.52		
In	115	3	He			13677.17		
Tb	159	3	He			54470.66		
Tb	159	3	He			56789.91		
Tb	159	3	He			57463.08		
Bi	209	3	He			44536.64		
Bi	209	3	He			46212.15		
Bi	209	3	He			46794.26		

Quantitation Report

Data File Name	043SMPL.d
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Sample Type	Sample
Comment	A29
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

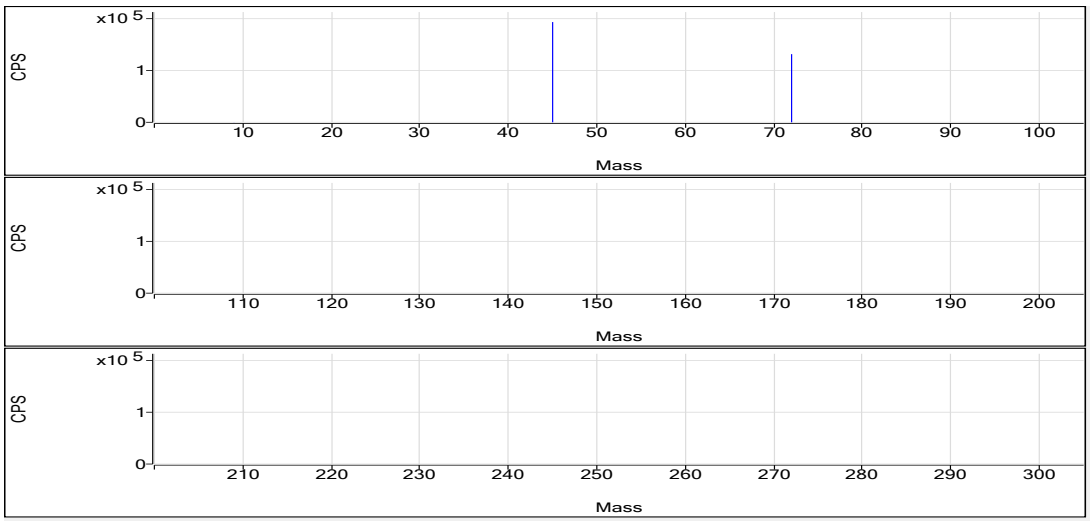
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.180	ppb	7.3	152.00	0.0008	Pulse	0.5000	3
Se	78	72	H2	0.448	ppb	20.5	45.78	0.0017	Pulse	1.5000	3
Na	23	45	He	40633.136	ppb	3.1	4402296.91	880.3613	Analog	0.1000	3
Mg	24	45	He	9605.947	ppb	3.2	523687.60	104.7293	Pulse	0.1000	3
Al	27	45	He	18.067	ppb	6.0	380.02	0.0759	Pulse	0.1000	3
K	39	45	He	8696.313	ppb	3.0	435053.12	86.9989	Pulse	0.1000	3
Ca	44	115	He	71175.618	ppb	3.0	193482.39	15.5931	Pulse	0.1000	3
Ti	47	72	He	1.566	ppb	35.6	33.33	0.0032	Pulse	0.1000	3
V	51	45	He	0.385	ppb	14.2	518.68	0.1034	Pulse	0.5000	3
Cr	52	72	He	0.337	ppb	45.3	1240.10	0.1187	Pulse	0.1000	3
Mn	55	72	He	1056.905	ppb	2.6	563126.27	53.7900	Pulse	0.1000	3
Fe	57	45	He	26678.426	ppb	2.4	552508.26	110.4727	Pulse	0.1000	3
Co	59	72	He	1.315	ppb	1.2	2813.72	0.2686	Pulse	0.1000	3
Ni	60	115	He	0.720	ppb	12.8	620.04	0.0498	Pulse	0.1000	3
Cu	63	115	He	0.532	ppb	11.8	956.73	0.0770	Pulse	0.1000	3
Zn	66	115	He	45.838	ppb	6.9	9096.49	0.7337	Pulse	0.1000	3
As	75	115	He	14.761	ppb	4.7	2435.56	0.1964	Pulse	0.5000	3
Sr	88	72	He	313.415	ppb	2.4	283499.98	27.0777	Pulse	0.1000	3
Mo	98	159	He	0.442	ppb	16.4	870.06	0.0154	Pulse	0.1000	3
Ag	107	72	He	0.022	ppb	67.4	106.67	0.0102	Pulse	0.1000	3
Cd	111	72	He	0.018	ppb	33.4	9.33	0.0009	Pulse	0.5000	3
Sn	120	159	He	0.062	ppb	136.3	2146.91	0.0379	Pulse	0.1000	3
Sb	121	159	He	0.237	ppb	22.4	396.69	0.0070	Pulse	0.1000	3
Ba	137	159	He	349.929	ppb	1.0	194837.25	3.4394	Pulse	0.1000	3
Tl	205	159	He	0.089	ppb	5.2	1140.10	0.0201	Pulse	0.1000	3
Pb	208	159	He	0.140	ppb	4.7	2470.18	0.0436	Pulse	0.1000	3
U	238	159	He	0.050	ppb	12.1	883.40	0.0156	Pulse	0.1000	3

ISTD Table:

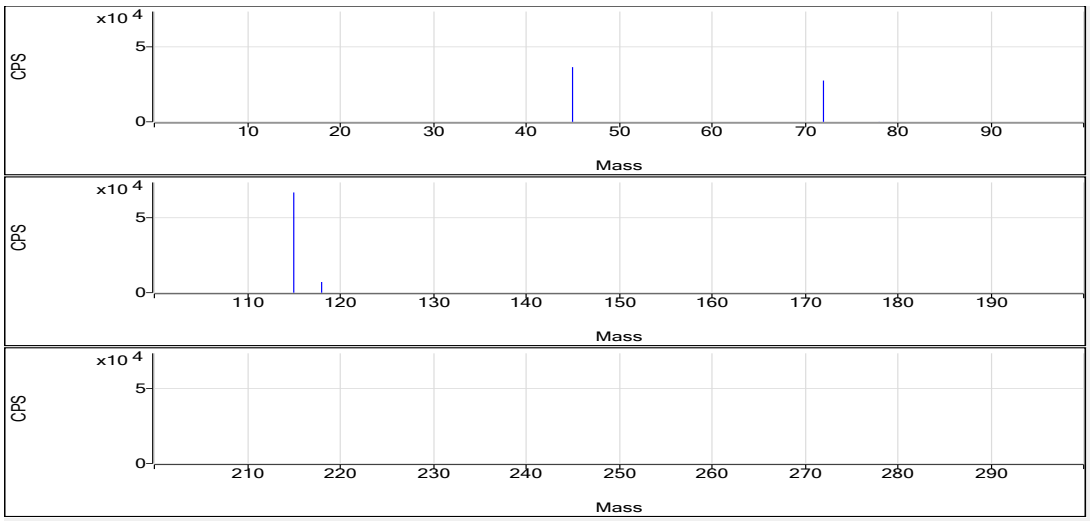
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	192788.90	1.2	105.2	Pulse	0.1000	3
No Gas	Ge	72	131097.18	1.6	117.1	Pulse	0.1000	3
H2	Sc	45	36453.37	3.5	107.5	Pulse	0.1000	3
H2	Ge	72	27517.34	1.9	106.4	Pulse	0.1000	3
H2	In	115	66824.77	0.3	104.5	Pulse	0.1000	3
He	Sc	45	5004.37	3.8	105.3	Pulse	0.1000	3
He	Ge	72	10474.25	3.0	107.6	Pulse	0.1000	3
He	In	115	12416.60	3.5	106.0	Pulse	0.1000	3
He	Tb	159	56649.67	0.3	113.6	Pulse	0.1000	3
He	Bi	209	45800.91	2.9	112.0	Pulse	0.1000	3

No Gas

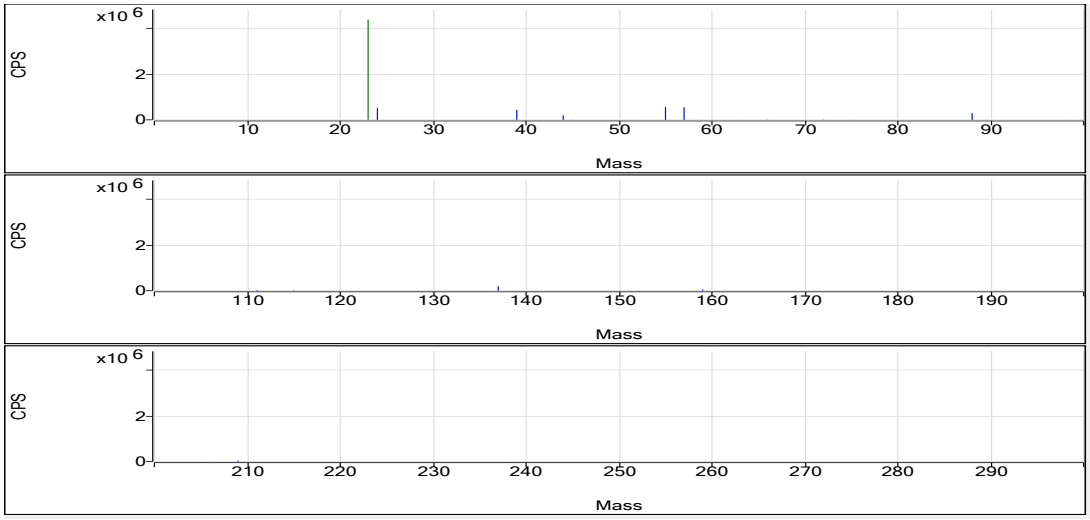


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.17	0.0008	146.00	0.0035	0.0001638
Be	9	1	No Gas	0.174	0.0008	150.00	0.0035	0.0001638
Be	9	1	No Gas	0.195	0.0008	160.00	0.0035	0.0001638
Se	78	2	H2	0.536	0.002	53.33	0.0035	8.664E-05
Se	78	2	H2	0.353	0.0013	37.33	0.0035	8.664E-05
Se	78	2	H2	0.455	0.0017	46.67	0.0035	8.664E-05
Na	23	3	He	39226.598	849.9151	4437508.68	0.0216	0.8064
Na	23	3	He	41601.496	901.3227	4399347.12	0.0216	0.8064
Na	23	3	He	41071.313	889.8462	4370034.93	0.0216	0.8064
Mg	24	3	He	9256.184	100.9199	526914.68	0.0109	0.1054
Mg	24	3	He	9816.466	107.0222	522374.37	0.0109	0.1054
Mg	24	3	He	9745.192	106.2459	521773.74	0.0109	0.1054
Al	27	3	He	18.782	0.0785	410.02	0.0037	0.009095
Al	27	3	He	18.6	0.0779	380.02	0.0037	0.009095
Al	27	3	He	16.819	0.0713	350.02	0.0037	0.009095
K	39	3	He	8400.289	84.0827	439005.89	0.0099	1.328
K	39	3	He	8902.65	89.0316	434562.53	0.0099	1.328
K	39	3	He	8786.001	87.8825	431590.93	0.0099	1.328
Ca	44	3	He	70111.899	15.3602	195313.22	0.0002	0.004867
Ca	44	3	He	69801.399	15.2922	192885.97	0.0002	0.004867
Ca	44	3	He	73613.554	16.1271	192247.99	0.0002	0.004867
Ti	47	3	He	1.832	0.0037	40.00	0.002	0
Ti	47	3	He	0.926	0.0019	20.00	0.002	0
Ti	47	3	He	1.941	0.004	40.00	0.002	0
V	51	3	He	0.446	0.1134	592.02	0.1638	0.04039
V	51	3	He	0.369	0.1008	492.01	0.1638	0.04039
V	51	3	He	0.34	0.0961	472.01	0.1638	0.04039
Cr	52	3	He	0.318	0.1167	1250.10	0.1041	0.08357
Cr	52	3	He	0.195	0.1038	1100.08	0.1041	0.08357
Cr	52	3	He	0.498	0.1355	1370.12	0.1041	0.08357
Mn	55	3	He	1044.217	53.1444	569414.29	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	1037.936	52.8248	559643.51	0.0509	0.00756
Mn	55	3	He	1088.561	55.4009	560321.01	0.0509	0.00756
Fe	57	3	He	25933.909	107.3904	560698.31	0.0041	0.02373
Fe	57	3	He	27150.815	112.4284	548762.06	0.0041	0.02373
Fe	57	3	He	26950.554	111.5994	548064.41	0.0041	0.02373
Co	59	3	He	1.302	0.266	2850.38	0.1966	0.009981
Co	59	3	He	1.332	0.2719	2880.41	0.1966	0.009981
Co	59	3	He	1.312	0.268	2710.36	0.1966	0.009981
Ni	60	3	He	0.786	0.0527	670.04	0.0432	0.01878
Ni	60	3	He	0.759	0.0515	650.04	0.0432	0.01878
Ni	60	3	He	0.615	0.0453	540.03	0.0432	0.01878
Cu	63	3	He	0.604	0.0857	1090.09	0.1222	0.01194
Cu	63	3	He	0.486	0.0714	900.06	0.1222	0.01194
Cu	63	3	He	0.507	0.0738	880.05	0.1222	0.01194
Zn	66	3	He	43.14	0.6907	8782.93	0.0159	0.002839
Zn	66	3	He	45.083	0.7217	9103.17	0.0159	0.002839
Zn	66	3	He	49.292	0.7888	9403.38	0.0159	0.002839
As	75	3	He	14.317	0.1905	2422.22	0.0132	0.0009658
As	75	3	He	14.398	0.1916	2416.22	0.0132	0.0009658
As	75	3	He	15.568	0.2071	2468.23	0.0132	0.0009658
Sr	88	3	He	311.686	26.9283	288522.89	0.0864	0.005458
Sr	88	3	He	306.997	26.5233	280996.83	0.0864	0.005458
Sr	88	3	He	321.563	27.7815	280980.21	0.0864	0.005458
Mo	98	3	He	0.361	0.0129	730.05	0.0303	0.001942
Mo	98	3	He	0.499	0.0171	970.07	0.0303	0.001942
Mo	98	3	He	0.468	0.0161	910.07	0.0303	0.001942
Ag	107	3	He	0.006	0.0047	50.00	0.3501	0.002425
Ag	107	3	He	0.036	0.0151	160.01	0.3501	0.002425
Ag	107	3	He	0.024	0.0109	110.00	0.3501	0.002425
Cd	111	3	He	0.019	0.0009	10.00	0.0454	6.986E-05
Cd	111	3	He	0.023	0.0011	12.00	0.0454	6.986E-05
Cd	111	3	He	0.012	0.0006	6.00	0.0454	6.986E-05
Sn	120	3	He	-0.018	0.0356	2020.23	0.0284	0.03615
Sn	120	3	He	0.053	0.0377	2140.23	0.0284	0.03615
Sn	120	3	He	0.15	0.0404	2280.28	0.0284	0.03615
Sb	121	3	He	0.253	0.0074	420.02	0.0262	0.000803
Sb	121	3	He	0.178	0.0055	310.01	0.0262	0.000803
Sb	121	3	He	0.281	0.0082	460.03	0.0262	0.000803
Ba	137	3	He	347.297	3.4135	193510.80	0.0098	0.0007342
Ba	137	3	He	348.749	3.4278	194769.63	0.0098	0.0007342
Ba	137	3	He	353.742	3.4769	196231.31	0.0098	0.0007342
Tl	205	3	He	0.095	0.0212	1200.10	0.1945	0.002744
Tl	205	3	He	0.087	0.0197	1120.09	0.1945	0.002744
Tl	205	3	He	0.086	0.0195	1100.10	0.1945	0.002744
Pb	208	3	He	0.138	0.0429	1230.10	0.2651	0.006358
Pb	208	3	He	0.148	0.0456	1200.10	0.2651	0.006358
Pb	208	3	He	0.136	0.0423	1300.12	0.2651	0.006358
U	238	3	He	0.05	0.0157	890.07	0.3022	0.0005338
U	238	3	He	0.044	0.0137	780.06	0.3022	0.0005338
U	238	3	He	0.056	0.0174	980.07	0.3022	0.0005338
Sc	45	1	No Gas			193235.82		
Sc	45	1	No Gas			194750.62		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			190380.25		
Ge	72	1	No Gas			130652.56		
Ge	72	1	No Gas			133338.00		
Ge	72	1	No Gas			129300.98		
Sc	45	2	H2			37118.76		
Sc	45	2	H2			37278.54		
Sc	45	2	H2			34962.81		
Ge	72	2	H2			26966.11		
Ge	72	2	H2			28018.46		
Ge	72	2	H2			27567.45		
In	115	2	H2			67072.65		
In	115	2	H2			66771.28		
In	115	2	H2			66630.39		
Sc	45	3	He			5221.12		
Sc	45	3	He			4880.99		
Sc	45	3	He			4911.00		
Ge	72	3	He			10714.48		
Ge	72	3	He			10594.34		
Ge	72	3	He			10113.94		
In	115	3	He			12726.26		
In	115	3	He			12626.11		
In	115	3	He			11935.50		
Tb	159	3	He			56689.30		
Tb	159	3	He			56820.63		
Tb	159	3	He			56439.07		
Bi	209	3	He			44426.03		
Bi	209	3	He			45891.12		
Bi	209	3	He			47085.58		

Quantitation Report

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Sample Name	410-225004-J-4-A
Sample Type	Sample
Comment	A29
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

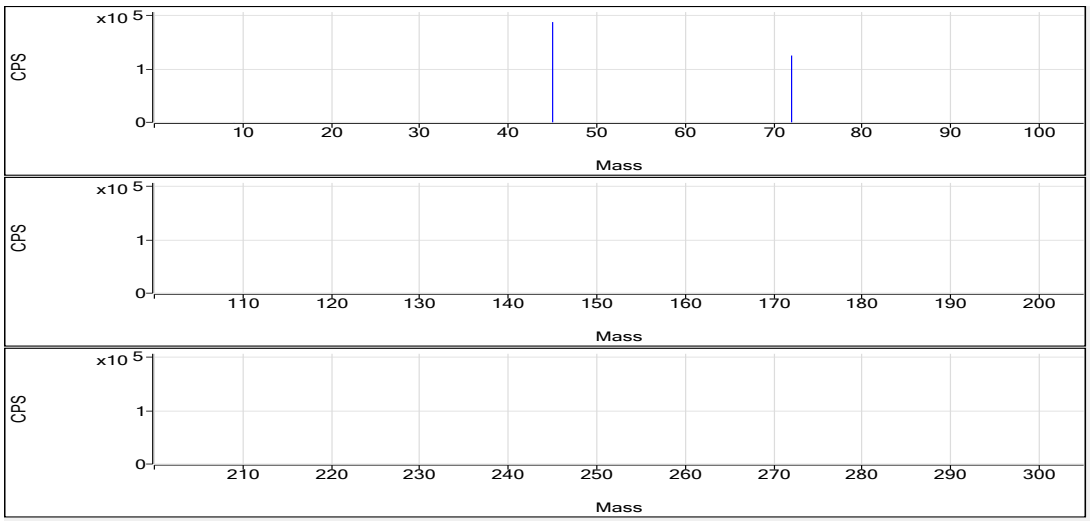
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.113	ppb	20.2	104.67	0.0006	Pulse	0.5000	3
Se	78	72	H2	0.129	ppb	12.3	15.33	0.0005	Pulse	1.5000	3
Na	23	45	He	166967.406	ppb	8.3	17086837.66	3 615.0243	Analog	0.1000	3
Mg	24	45	He	23703.925	ppb	8.2	1220891.05	258.2786	Pulse	0.1000	3
Al	27	45	He	5.856	ppb	42.3	143.34	0.0307	Pulse	0.1000	3
K	39	45	He	22525.659	ppb	8.5	1055058.39	223.2368	Pulse	0.1000	3
Ca	44	115	He	62446.157	ppb	1.8	165894.05	13.6813	Pulse	0.1000	3
Ti	47	72	He	0.839	ppb	35.0	16.67	0.0017	Pulse	0.1000	3
V	51	45	He	0.321	ppb	4.1	441.34	0.0929	Pulse	0.5000	3
Cr	52	72	He	-0.004	ppb	N/A	810.05	0.0831	Pulse	0.1000	3
Mn	55	72	He	1277.398	ppb	1.9	634034.47	65.0102	Pulse	0.1000	3
Fe	57	45	He	12226.276	ppb	9.1	239225.82	50.6407	Pulse	0.1000	3
Co	59	72	He	0.412	ppb	13.5	886.72	0.0910	Pulse	0.1000	3
Ni	60	115	He	0.502	ppb	15.5	490.03	0.0404	Pulse	0.1000	3
Cu	63	115	He	0.241	ppb	18.9	500.03	0.0413	Pulse	0.1000	3
Zn	66	115	He	1.701	ppb	6.1	363.35	0.0300	Pulse	0.1000	3
As	75	115	He	25.083	ppb	4.6	4037.93	0.3330	Pulse	0.5000	3
Sr	88	72	He	381.200	ppb	1.7	321190.92	32.9329	Pulse	0.1000	3
Mo	98	159	He	1.765	ppb	13.4	3017.09	0.0555	Pulse	0.1000	3
Ag	107	72	He	0.007	ppb	205.5	46.67	0.0048	Pulse	0.1000	3
Cd	111	72	He	0.007	ppb	59.7	4.00	0.0004	Pulse	0.5000	3
Sn	120	159	He	0.000	ppb	N/A	1970.21	0.0361	Pulse	0.1000	3
Sb	121	159	He	0.145	ppb	17.8	250.01	0.0046	Pulse	0.1000	3
Ba	137	159	He	379.962	ppb	3.1	203264.11	3.7345	Pulse	0.1000	3
Tl	205	159	He	0.023	ppb	18.7	390.02	0.0071	Pulse	0.1000	3
Pb	208	159	He	0.052	ppb	5.3	1093.39	0.0201	Pulse	0.1000	3
U	238	159	He	0.043	ppb	8.9	733.39	0.0135	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	187513.95	0.4	102.3	Pulse	0.1000	3
No Gas	Ge	72	124901.81	0.9	111.5	Pulse	0.1000	3
H2	Sc	45	36346.23	1.4	107.2	Pulse	0.1000	3
H2	Ge	72	28238.61	1.1	109.2	Pulse	0.1000	3
H2	In	115	64929.04	1.0	101.6	Pulse	0.1000	3
He	Sc	45	4750.94	9.4	99.9	Pulse	0.1000	3
He	Ge	72	9753.71	0.7	100.2	Pulse	0.1000	3
He	In	115	12128.65	2.7	103.6	Pulse	0.1000	3
He	Tb	159	54460.53	2.9	109.2	Pulse	0.1000	3
He	Bi	209	44961.35	1.4	110.0	Pulse	0.1000	3

No Gas



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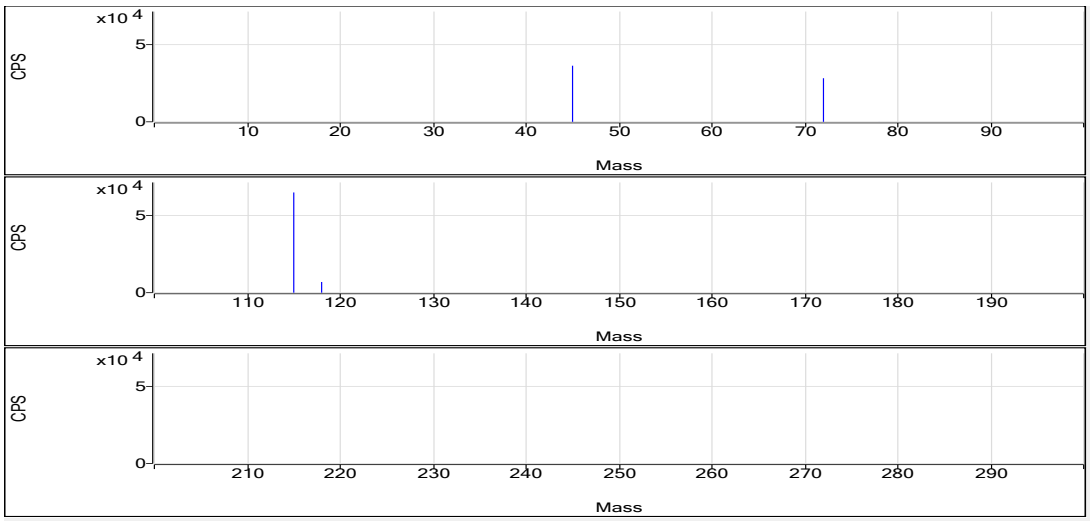
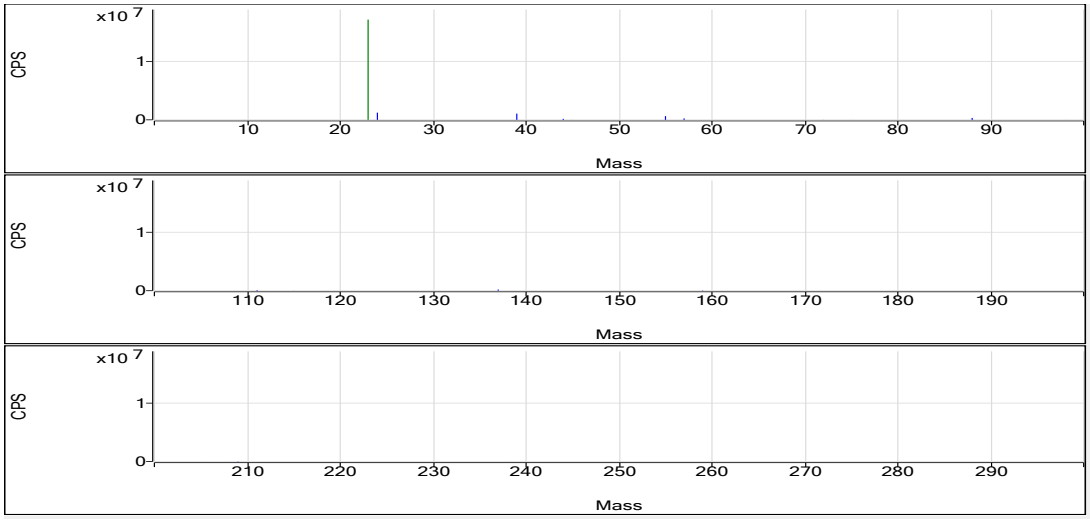


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.137	0.0006	120.00	0.0035	0.0001638
Be	9	1	No Gas	0.091	0.0005	90.00	0.0035	0.0001638
Be	9	1	No Gas	0.113	0.0006	104.00	0.0035	0.0001638
Se	78	2	H2	0.147	0.0006	17.33	0.0035	8.664E-05
Se	78	2	H2	0.123	0.0005	14.67	0.0035	8.664E-05
Se	78	2	H2	0.117	0.0005	14.00	0.0035	8.664E-05
Na	23	3	He	154232.794	3339.3677	17401845.99	0.0216	0.8064
Na	23	3	He	181823.825	3936.6101	17009147.25	0.0216	0.8064
Na	23	3	He	164845.599	3569.0952	16849519.75	0.0216	0.8064
Mg	24	3	He	21919.836	238.847	1244660.53	0.0109	0.1054
Mg	24	3	He	25769.365	280.7745	1213159.12	0.0109	0.1054
Mg	24	3	He	23422.573	255.2142	1204853.50	0.0109	0.1054
Al	27	3	He	3.25	0.0211	110.00	0.0037	0.009095
Al	27	3	He	8.183	0.0393	170.01	0.0037	0.009095
Al	27	3	He	6.135	0.0318	150.01	0.0037	0.009095
K	39	3	He	20743.874	205.6838	1071842.72	0.0099	1.328
K	39	3	He	24548.882	243.1682	1050671.62	0.0099	1.328
K	39	3	He	22284.221	220.8583	1042660.84	0.0099	1.328
Ca	44	3	He	61381.91	13.4482	168172.79	0.0002	0.004867
Ca	44	3	He	63662.349	13.9476	166889.35	0.0002	0.004867
Ca	44	3	He	62294.21	13.648	162620.02	0.0002	0.004867
Ti	47	3	He	1.014	0.0021	20.00	0.002	0
Ti	47	3	He	1.003	0.002	20.00	0.002	0
Ti	47	3	He	0.501	0.001	10.00	0.002	0
V	51	3	He	0.323	0.0933	486.01	0.1638	0.04039
V	51	3	He	0.333	0.0949	410.01	0.1638	0.04039
V	51	3	He	0.307	0.0907	428.01	0.1638	0.04039
Cr	52	3	He	0.19	0.1034	1000.07	0.1041	0.08357
Cr	52	3	He	-0.115	0.0716	700.04	0.1041	0.08357
Cr	52	3	He	-0.087	0.0745	730.04	0.1041	0.08357
Mn	55	3	He	1302.951	66.3105	641467.88	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	1275.151	64.8958	634918.04	0.0509	0.00756
Mn	55	3	He	1254.091	63.8242	625717.49	0.0509	0.00756
Fe	57	3	He	11105.46	46.0005	239713.96	0.0041	0.02373
Fe	57	3	He	13325.238	55.1904	238464.37	0.0041	0.02373
Fe	57	3	He	12248.129	50.7311	239499.14	0.0041	0.02373
Co	59	3	He	0.47	0.1023	990.06	0.1966	0.009981
Co	59	3	He	0.407	0.09	880.06	0.1966	0.009981
Co	59	3	He	0.359	0.0806	790.05	0.1966	0.009981
Ni	60	3	He	0.454	0.0384	480.03	0.0432	0.01878
Ni	60	3	He	0.591	0.0443	530.03	0.0432	0.01878
Ni	60	3	He	0.46	0.0386	460.02	0.0432	0.01878
Cu	63	3	He	0.19	0.0352	440.02	0.1222	0.01194
Cu	63	3	He	0.279	0.046	550.03	0.1222	0.01194
Cu	63	3	He	0.253	0.0428	510.03	0.1222	0.01194
Zn	66	3	He	1.678	0.0296	370.02	0.0159	0.002839
Zn	66	3	He	1.814	0.0318	380.02	0.0159	0.002839
Zn	66	3	He	1.612	0.0285	340.02	0.0159	0.002839
As	75	3	He	24.565	0.3262	4078.60	0.0132	0.0009658
As	75	3	He	26.409	0.3506	4194.64	0.0132	0.0009658
As	75	3	He	24.276	0.3223	3840.54	0.0132	0.0009658
Sr	88	3	He	388.765	33.5863	324903.73	0.0864	0.005458
Sr	88	3	He	378.199	32.6736	319667.32	0.0864	0.005458
Sr	88	3	He	376.637	32.5387	319001.71	0.0864	0.005458
Mo	98	3	He	1.999	0.0626	3300.48	0.0303	0.001942
Mo	98	3	He	1.524	0.0482	2640.33	0.0303	0.001942
Mo	98	3	He	1.773	0.0557	3110.46	0.0303	0.001942
Ag	107	3	He	0.023	0.0103	100.00	0.3501	0.002425
Ag	107	3	He	0.002	0.0031	30.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	0.012	0.0006	6.00	0.0454	6.986E-05
Sn	120	3	He	-0.078	0.0339	1790.18	0.0284	0.03615
Sn	120	3	He	-0.007	0.036	1970.21	0.0284	0.03615
Sn	120	3	He	0.083	0.0385	2150.23	0.0284	0.03615
Sb	121	3	He	0.165	0.0051	270.01	0.0262	0.000803
Sb	121	3	He	0.116	0.0038	210.01	0.0262	0.000803
Sb	121	3	He	0.154	0.0048	270.01	0.0262	0.000803
Ba	137	3	He	393.571	3.8683	204065.41	0.0098	0.0007342
Ba	137	3	He	374.973	3.6855	201971.58	0.0098	0.0007342
Ba	137	3	He	371.343	3.6498	203755.35	0.0098	0.0007342
Tl	205	3	He	0.018	0.0063	330.02	0.1945	0.002744
Tl	205	3	He	0.023	0.0073	400.02	0.1945	0.002744
Tl	205	3	He	0.026	0.0079	440.03	0.1945	0.002744
Pb	208	3	He	0.049	0.0193	540.03	0.2651	0.006358
Pb	208	3	He	0.052	0.0201	580.04	0.2651	0.006358
Pb	208	3	He	0.054	0.0208	640.04	0.2651	0.006358
U	238	3	He	0.043	0.0136	720.05	0.3022	0.0005338
U	238	3	He	0.039	0.0122	670.05	0.3022	0.0005338
U	238	3	He	0.046	0.0145	810.06	0.3022	0.0005338
Sc	45	1	No Gas			187929.04		
Sc	45	1	No Gas			187949.43		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			186663.38		
Ge	72	1	No Gas			125820.42		
Ge	72	1	No Gas			123711.05		
Ge	72	1	No Gas			125173.96		
Sc	45	2	H2			35765.11		
Sc	45	2	H2			36546.31		
Sc	45	2	H2			36727.27		
Ge	72	2	H2			28599.17		
Ge	72	2	H2			28078.25		
Ge	72	2	H2			28038.42		
In	115	2	H2			65656.35		
In	115	2	H2			64691.26		
In	115	2	H2			64439.52		
Sc	45	3	He			5211.12		
Sc	45	3	He			4320.76		
Sc	45	3	He			4720.95		
Ge	72	3	He			9673.70		
Ge	72	3	He			9783.65		
Ge	72	3	He			9803.77		
In	115	3	He			12516.15		
In	115	3	He			11975.64		
In	115	3	He			11925.44		
Tb	159	3	He			52753.87		
Tb	159	3	He			54801.70		
Tb	159	3	He			55826.03		
Bi	209	3	He			44335.85		
Bi	209	3	He			45630.39		
Bi	209	3	He			44917.80		

Quantitation Report

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Sample Type	Sample
Comment	A29
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

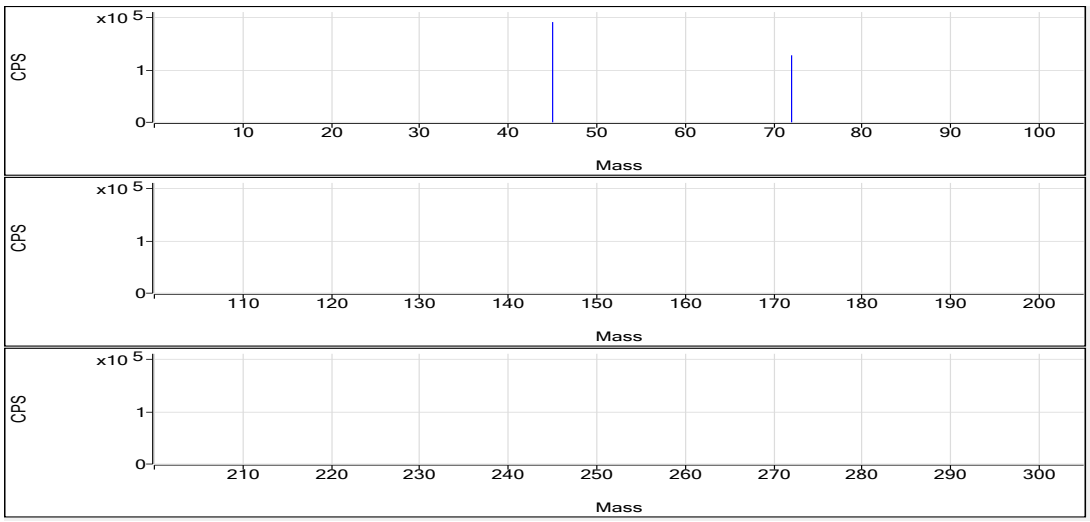
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.086	ppb	10.9	88.67	0.0005	Pulse	0.5000	3
Se	78	72	H2	0.026	ppb	69.0	4.89	0.0002	Pulse	1.5000	3
Na	23	45	He	322.115	ppb	4.7	41866.80	7.7790	Pulse	0.1000	3
Mg	24	45	He	22.654	ppb	17.9	1893.52	0.3521	Pulse	0.1000	3
Al	27	45	He	2.771	ppb	65.3	103.34	0.0193	Pulse	0.1000	3
K	39	45	He	-1.888	ppb	N/A	7048.60	1.3099	Pulse	0.1000	3
Ca	44	115	He	88.488	ppb	19.6	320.01	0.0242	Pulse	0.1000	3
Ti	47	72	He	0.620	ppb	42.3	13.33	0.0013	Pulse	0.1000	3
V	51	45	He	0.006	ppb	144.1	222.67	0.0414	Pulse	0.5000	3
Cr	52	72	He	-0.247	ppb	N/A	606.70	0.0579	Pulse	0.1000	3
Mn	55	72	He	1.163	ppb	5.9	703.38	0.0667	Pulse	0.1000	3
Fe	57	45	He	12.252	ppb	30.7	400.02	0.0745	Pulse	0.1000	3
Co	59	72	He	0.065	ppb	60.9	240.01	0.0227	Pulse	0.1000	3
Ni	60	115	He	-0.084	ppb	N/A	200.01	0.0152	Pulse	0.1000	3
Cu	63	115	He	0.152	ppb	5.9	403.35	0.0306	Pulse	0.1000	3
Zn	66	115	He	0.963	ppb	13.9	240.01	0.0182	Pulse	0.1000	3
As	75	115	He	0.194	ppb	17.9	46.67	0.0035	Pulse	0.5000	3
Sr	88	72	He	0.318	ppb	23.2	346.68	0.0329	Pulse	0.1000	3
Mo	98	159	He	0.029	ppb	79.7	156.67	0.0028	Pulse	0.1000	3
Ag	107	72	He	0.006	ppb	166.3	46.67	0.0044	Pulse	0.1000	3
Cd	111	72	He	0.005	ppb	46.3	3.33	0.0003	Pulse	0.5000	3
Sn	120	159	He	0.716	ppb	11.7	3123.89	0.0565	Pulse	0.1000	3
Sb	121	159	He	0.071	ppb	12.0	146.68	0.0026	Pulse	0.1000	3
Ba	137	159	He	0.431	ppb	32.8	273.35	0.0050	Pulse	0.1000	3
Tl	205	159	He	0.011	ppb	18.8	270.01	0.0049	Pulse	0.1000	3
Pb	208	159	He	0.012	ppb	18.6	526.69	0.0095	Pulse	0.1000	3
U	238	159	He	0.005	ppb	74.7	113.34	0.0021	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	191500.21	1.2	104.5	Pulse	0.1000	3
No Gas	Ge	72	128015.75	1.2	114.3	Pulse	0.1000	3
H2	Sc	45	36957.89	3.6	109.0	Pulse	0.1000	3
H2	Ge	72	27617.46	0.9	106.8	Pulse	0.1000	3
H2	In	115	70221.37	1.7	109.8	Pulse	0.1000	3
He	Sc	45	5381.20	3.5	113.2	Pulse	0.1000	3
He	Ge	72	10527.58	2.9	108.2	Pulse	0.1000	3
He	In	115	13197.51	0.7	112.7	Pulse	0.1000	3
He	Tb	159	55317.45	2.9	110.9	Pulse	0.1000	3
He	Bi	209	48457.06	3.4	118.5	Pulse	0.1000	3

No Gas



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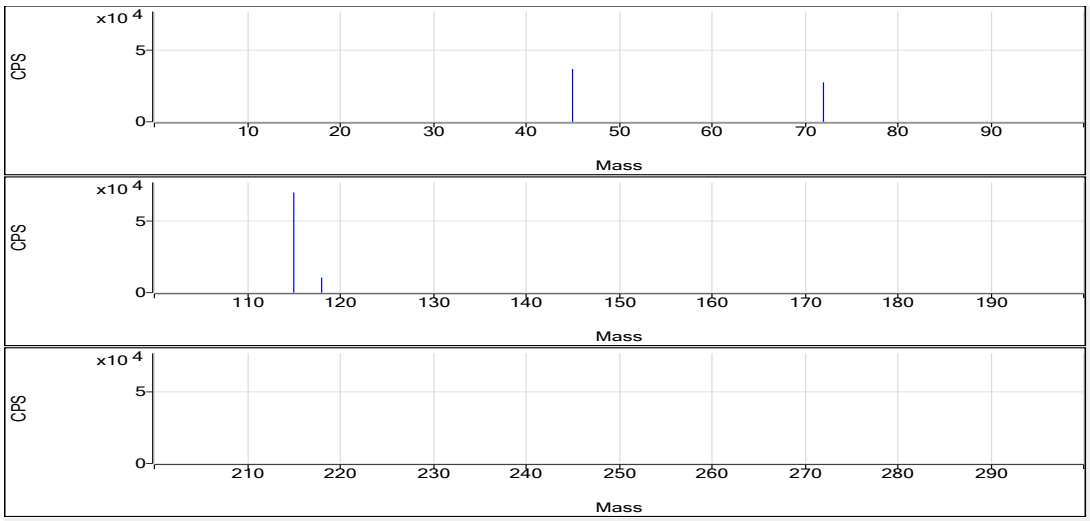
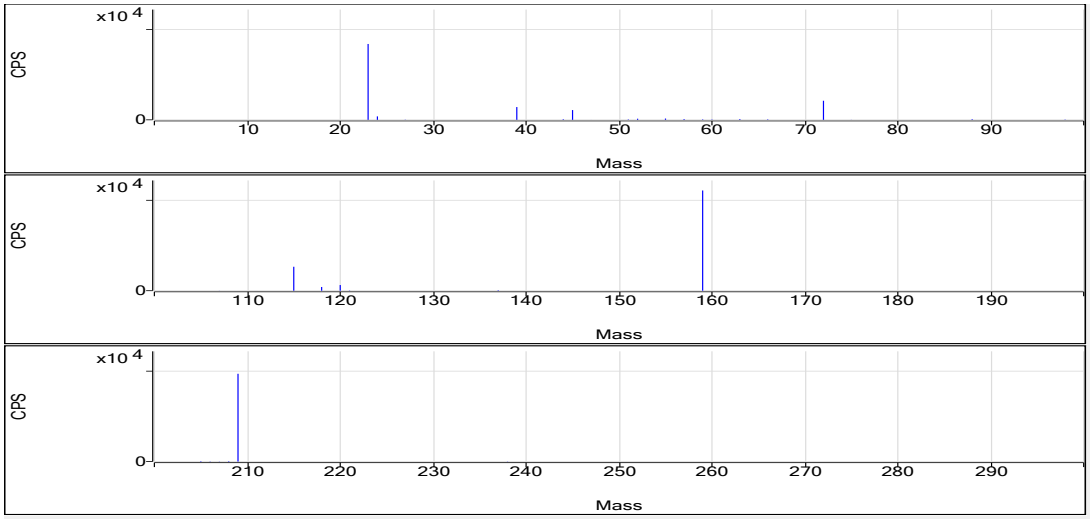


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.093	0.0005	94.00	0.0035	0.0001638
Be	9	1	No Gas	0.075	0.0004	82.00	0.0035	0.0001638
Be	9	1	No Gas	0.09	0.0005	90.00	0.0035	0.0001638
Se	78	2	H2	0.023	0.0002	4.67	0.0035	8.664E-05
Se	78	2	H2	0.045	0.0002	6.67	0.0035	8.664E-05
Se	78	2	H2	0.009	0.0001	3.33	0.0035	8.664E-05
Na	23	3	He	339.469	8.1546	44126.36	0.0216	0.8064
Na	23	3	He	313.776	7.5985	42181.09	0.0216	0.8064
Na	23	3	He	313.1	7.5838	39292.95	0.0216	0.8064
Mg	24	3	He	26.977	0.3992	2160.23	0.0109	0.1054
Mg	24	3	He	18.939	0.3117	1730.16	0.0109	0.1054
Mg	24	3	He	22.047	0.3455	1790.17	0.0109	0.1054
Al	27	3	He	1.539	0.0148	80.00	0.0037	0.009095
Al	27	3	He	1.925	0.0162	90.00	0.0037	0.009095
Al	27	3	He	4.85	0.027	140.01	0.0037	0.009095
K	39	3	He	5.132	1.379	7462.18	0.0099	1.328
K	39	3	He	-6.267	1.2667	7031.91	0.0099	1.328
K	39	3	He	-4.53	1.2838	6651.72	0.0099	1.328
Ca	44	3	He	71.667	0.0206	270.01	0.0002	0.004867
Ca	44	3	He	106.244	0.0281	370.02	0.0002	0.004867
Ca	44	3	He	87.554	0.024	320.01	0.0002	0.004867
Ti	47	3	He	0.456	0.0009	10.00	0.002	0
Ti	47	3	He	0.923	0.0019	20.00	0.002	0
Ti	47	3	He	0.482	0.001	10.00	0.002	0
V	51	3	He	0.015	0.0429	232.00	0.1638	0.04039
V	51	3	He	-0.002	0.04	222.00	0.1638	0.04039
V	51	3	He	0.006	0.0413	214.00	0.1638	0.04039
Cr	52	3	He	-0.401	0.0418	450.02	0.1041	0.08357
Cr	52	3	He	-0.216	0.0611	650.04	0.1041	0.08357
Cr	52	3	He	-0.124	0.0707	720.04	0.1041	0.08357
Mn	55	3	He	1.221	0.0697	750.04	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	1.182	0.0677	720.04	0.0509	0.00756
Mn	55	3	He	1.087	0.0628	640.05	0.0509	0.00756
Fe	57	3	He	16.142	0.0906	490.02	0.0041	0.02373
Fe	57	3	He	8.628	0.0594	330.02	0.0041	0.02373
Fe	57	3	He	11.985	0.0733	380.02	0.0041	0.02373
Co	59	3	He	0.058	0.0214	230.01	0.1966	0.009981
Co	59	3	He	0.107	0.031	330.02	0.1966	0.009981
Co	59	3	He	0.029	0.0157	160.01	0.1966	0.009981
Ni	60	3	He	-0.1	0.0145	190.01	0.0432	0.01878
Ni	60	3	He	-0.03	0.0175	230.01	0.0432	0.01878
Ni	60	3	He	-0.122	0.0135	180.01	0.0432	0.01878
Cu	63	3	He	0.158	0.0312	410.02	0.1222	0.01194
Cu	63	3	He	0.157	0.0312	410.02	0.1222	0.01194
Cu	63	3	He	0.142	0.0293	390.02	0.1222	0.01194
Zn	66	3	He	1.064	0.0198	260.01	0.0159	0.002839
Zn	66	3	He	1.014	0.019	250.01	0.0159	0.002839
Zn	66	3	He	0.811	0.0158	210.01	0.0159	0.002839
As	75	3	He	0.18	0.0034	44.00	0.0132	0.0009658
As	75	3	He	0.168	0.0032	42.00	0.0132	0.0009658
As	75	3	He	0.234	0.0041	54.00	0.0132	0.0009658
Sr	88	3	He	0.389	0.039	420.02	0.0864	0.005458
Sr	88	3	He	0.242	0.0263	280.01	0.0864	0.005458
Sr	88	3	He	0.323	0.0334	340.02	0.0864	0.005458
Mo	98	3	He	0.045	0.0033	180.01	0.0303	0.001942
Mo	98	3	He	0.003	0.002	110.00	0.0303	0.001942
Mo	98	3	He	0.04	0.0031	180.01	0.0303	0.001942
Ag	107	3	He	0.014	0.0074	80.00	0.3501	0.002425
Ag	107	3	He	0.007	0.0047	50.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Sn	120	3	He	0.698	0.056	3040.73	0.0284	0.03615
Sn	120	3	He	0.807	0.0591	3220.49	0.0284	0.03615
Sn	120	3	He	0.643	0.0544	3110.45	0.0284	0.03615
Sb	121	3	He	0.061	0.0024	130.01	0.0262	0.000803
Sb	121	3	He	0.075	0.0028	150.01	0.0262	0.000803
Sb	121	3	He	0.076	0.0028	160.01	0.0262	0.000803
Ba	137	3	He	0.563	0.0063	340.02	0.0098	0.0007342
Ba	137	3	He	0.448	0.0051	280.01	0.0098	0.0007342
Ba	137	3	He	0.281	0.0035	200.01	0.0098	0.0007342
Tl	205	3	He	0.013	0.0053	290.01	0.1945	0.002744
Tl	205	3	He	0.009	0.0046	250.01	0.1945	0.002744
Tl	205	3	He	0.01	0.0047	270.02	0.1945	0.002744
Pb	208	3	He	0.009	0.0088	210.01	0.2651	0.006358
Pb	208	3	He	0.013	0.0099	370.03	0.2651	0.006358
Pb	208	3	He	0.013	0.0098	260.01	0.2651	0.006358
U	238	3	He	0.004	0.0018	100.00	0.3022	0.0005338
U	238	3	He	0.009	0.0033	180.01	0.3022	0.0005338
U	238	3	He	0.002	0.001	60.00	0.3022	0.0005338
Sc	45	1	No Gas			192996.62		
Sc	45	1	No Gas			192600.80		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			188903.22		
Ge	72	1	No Gas			129530.86		
Ge	72	1	No Gas			126546.97		
Ge	72	1	No Gas			127969.42		
Sc	45	2	H2			37479.02		
Sc	45	2	H2			35444.21		
Sc	45	2	H2			37950.44		
Ge	72	2	H2			27797.76		
Ge	72	2	H2			27316.74		
Ge	72	2	H2			27737.87		
In	115	2	H2			71605.69		
In	115	2	H2			69423.86		
In	115	2	H2			69634.56		
Sc	45	3	He			5411.20		
Sc	45	3	He			5551.25		
Sc	45	3	He			5181.14		
Ge	72	3	He			10764.46		
Ge	72	3	He			10634.37		
Ge	72	3	He			10183.91		
In	115	3	He			13146.68		
In	115	3	He			13166.76		
In	115	3	He			13326.92		
Tb	159	3	He			54300.09		
Tb	159	3	He			54500.32		
Tb	159	3	He			57151.95		
Bi	209	3	He			47035.28		
Bi	209	3	He			48058.54		
Bi	209	3	He			50277.35		

Quantitation Report

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Sample Type	Sample
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

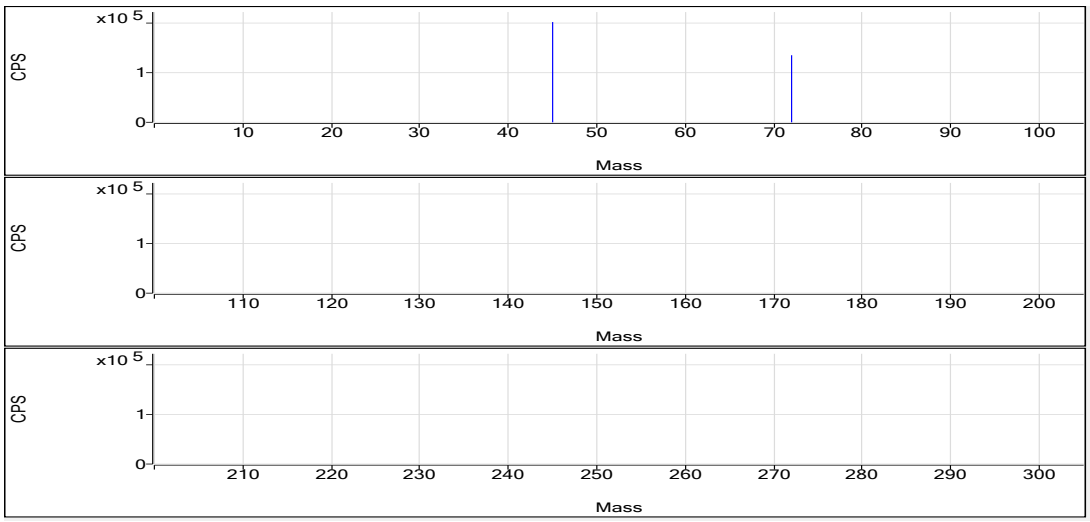
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.063	ppb	9.7	77.33	0.0004	Pulse	0.5000	3
Se	78	72	H2	0.103	ppb	43.5	12.89	0.0004	Pulse	1.5000	3
Na	23	45	He	41986.996	ppb	5.6	4513971.49	909.6673	Analog	0.1000	3
Mg	24	45	He	9857.634	ppb	6.2	533119.28	107.4706	Pulse	0.1000	3
Al	27	45	He	23.462	ppb	17.5	473.36	0.0958	Pulse	0.1000	3
K	39	45	He	8960.023	ppb	5.6	444593.14	89.5968	Pulse	0.1000	3
Ca	44	115	He	69579.521	ppb	2.9	196746.98	15.2436	Pulse	0.1000	3
Ti	47	72	He	0.152	ppb	173.2	3.33	0.0003	Pulse	0.1000	3
V	51	45	He	0.218	ppb	20.0	377.34	0.0761	Pulse	0.5000	3
Cr	52	72	He	0.230	ppb	101.5	1120.08	0.1075	Pulse	0.1000	3
Mn	55	72	He	1086.995	ppb	3.4	578991.17	55.3212	Pulse	0.1000	3
Fe	57	45	He	27673.123	ppb	6.6	568349.31	114.5908	Pulse	0.1000	3
Co	59	72	He	1.069	ppb	5.8	2306.93	0.2203	Pulse	0.1000	3
Ni	60	115	He	0.486	ppb	1.3	513.36	0.0398	Pulse	0.1000	3
Cu	63	115	He	0.250	ppb	39.8	546.70	0.0425	Pulse	0.1000	3
Zn	66	115	He	44.451	ppb	3.9	9183.23	0.7116	Pulse	0.1000	3
As	75	115	He	14.375	ppb	6.8	2466.89	0.1913	Pulse	0.5000	3
Sr	88	72	He	322.402	ppb	3.1	291540.71	27.8540	Pulse	0.1000	3
Mo	98	159	He	0.114	ppb	24.9	310.01	0.0054	Pulse	0.1000	3
Ag	107	72	He	-0.002	ppb	N/A	16.67	0.0016	Pulse	0.1000	3
Cd	111	72	He	0.010	ppb	66.3	5.33	0.0005	Pulse	0.5000	3
Sn	120	159	He	-0.047	ppb	N/A	1993.55	0.0348	Pulse	0.1000	3
Sb	121	159	He	0.027	ppb	90.8	86.67	0.0015	Pulse	0.1000	3
Ba	137	159	He	354.165	ppb	0.6	199323.21	3.4810	Pulse	0.1000	3
Tl	205	159	He	0.006	ppb	32.2	226.68	0.0040	Pulse	0.1000	3
Pb	208	159	He	0.118	ppb	7.3	2160.16	0.0377	Pulse	0.1000	3
U	238	159	He	0.011	ppb	21.8	213.34	0.0037	Pulse	0.1000	3

ISTD Table:

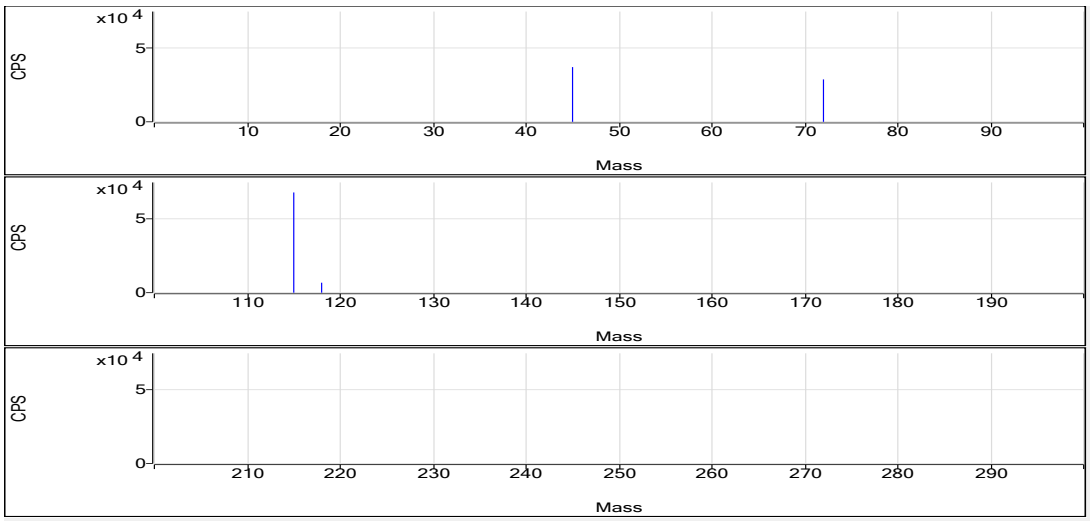
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	201262.92	0.3	109.8	Pulse	0.1000	3
No Gas	Ge	72	134676.44	1.4	120.3	Pulse	0.1000	3
H2	Sc	45	37024.57	1.4	109.2	Pulse	0.1000	3
H2	Ge	72	28692.98	0.7	110.9	Pulse	0.1000	3
H2	In	115	67822.70	0.8	106.1	Pulse	0.1000	3
He	Sc	45	4974.35	6.7	104.6	Pulse	0.1000	3
He	Ge	72	10474.23	3.7	107.6	Pulse	0.1000	3
He	In	115	12912.77	2.5	110.3	Pulse	0.1000	3
He	Tb	159	57262.42	1.1	114.8	Pulse	0.1000	3
He	Bi	209	46550.57	2.1	113.9	Pulse	0.1000	3

No Gas

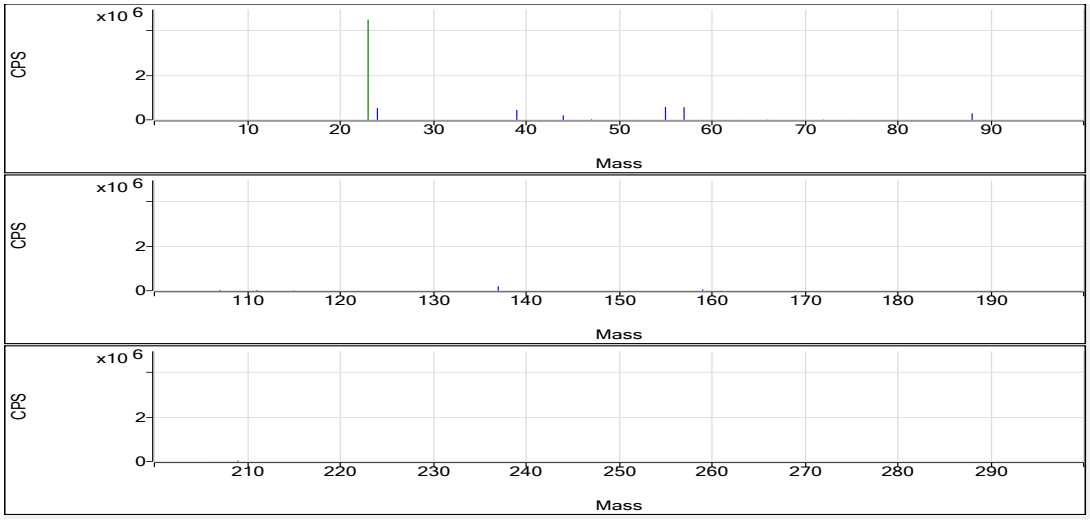


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.07	0.0004	82.00	0.0035	0.0001638
Be	9	1	No Gas	0.061	0.0004	76.00	0.0035	0.0001638
Be	9	1	No Gas	0.059	0.0004	74.00	0.0035	0.0001638
Se	78	2	H2	0.081	0.0004	10.67	0.0035	8.664E-05
Se	78	2	H2	0.074	0.0003	10.00	0.0035	8.664E-05
Se	78	2	H2	0.154	0.0006	18.00	0.0035	8.664E-05
Na	23	3	He	41016.238	888.6541	4595292.43	0.0216	0.8064
Na	23	3	He	40292.778	872.9939	4505634.93	0.0216	0.8064
Na	23	3	He	44651.972	967.3541	4440987.12	0.0216	0.8064
Mg	24	3	He	9512.652	103.7132	536308.23	0.0109	0.1054
Mg	24	3	He	9495.026	103.5212	534286.48	0.0109	0.1054
Mg	24	3	He	10565.223	115.1774	528763.12	0.0109	0.1054
Al	27	3	He	21.604	0.089	460.03	0.0037	0.009095
Al	27	3	He	20.602	0.0853	440.02	0.0037	0.009095
Al	27	3	He	28.181	0.1133	520.04	0.0037	0.009095
K	39	3	He	8706.935	87.1036	450418.70	0.0099	1.328
K	39	3	He	8633.749	86.3826	445831.83	0.0099	1.328
K	39	3	He	9539.385	95.3043	437528.90	0.0099	1.328
Ca	44	3	He	71553.774	15.6759	198709.43	0.0002	0.004867
Ca	44	3	He	67514.889	14.7914	196367.95	0.0002	0.004867
Ca	44	3	He	69669.899	15.2634	195163.57	0.0002	0.004867
Ti	47	3	He	0.455	0.0009	10.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	0.214	0.0754	390.01	0.1638	0.04039
V	51	3	He	0.177	0.0694	358.01	0.1638	0.04039
V	51	3	He	0.264	0.0836	384.01	0.1638	0.04039
Cr	52	3	He	0.08	0.0919	990.06	0.1041	0.08357
Cr	52	3	He	0.111	0.0952	1010.08	0.1041	0.08357
Cr	52	3	He	0.499	0.1356	1360.10	0.1041	0.08357
Mn	55	3	He	1071.686	54.5422	587662.61	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	1060.221	53.9587	572738.59	0.0509	0.00756
Mn	55	3	He	1129.079	57.4627	576572.30	0.0509	0.00756
Fe	57	3	He	26825.262	111.0806	574405.77	0.0041	0.02373
Fe	57	3	He	26419.079	109.399	564622.65	0.0041	0.02373
Fe	57	3	He	29775.026	123.2927	566019.52	0.0041	0.02373
Co	59	3	He	1.115	0.2293	2470.30	0.1966	0.009981
Co	59	3	He	0.999	0.2063	2190.24	0.1966	0.009981
Co	59	3	He	1.095	0.2253	2260.26	0.1966	0.009981
Ni	60	3	He	0.479	0.0394	500.02	0.0432	0.01878
Ni	60	3	He	0.49	0.0399	530.03	0.0432	0.01878
Ni	60	3	He	0.489	0.0399	510.03	0.0432	0.01878
Cu	63	3	He	0.322	0.0513	650.04	0.1222	0.01194
Cu	63	3	He	0.137	0.0286	380.02	0.1222	0.01194
Cu	63	3	He	0.293	0.0477	610.03	0.1222	0.01194
Zn	66	3	He	45.701	0.7316	9273.29	0.0159	0.002839
Zn	66	3	He	42.494	0.6804	9033.16	0.0159	0.002839
Zn	66	3	He	45.157	0.7229	9243.24	0.0159	0.002839
As	75	3	He	15.101	0.2009	2546.24	0.0132	0.0009658
As	75	3	He	13.266	0.1766	2344.21	0.0132	0.0009658
As	75	3	He	14.757	0.1963	2510.23	0.0132	0.0009658
Sr	88	3	He	318.311	27.5006	296303.67	0.0864	0.005458
Sr	88	3	He	315.165	27.2288	289017.32	0.0864	0.005458
Sr	88	3	He	333.731	28.8325	289301.13	0.0864	0.005458
Mo	98	3	He	0.092	0.0047	270.01	0.0303	0.001942
Mo	98	3	He	0.104	0.0051	290.01	0.0303	0.001942
Mo	98	3	He	0.146	0.0064	370.02	0.0303	0.001942
Ag	107	3	He	-0.002	0.0019	20.00	0.3501	0.002425
Ag	107	3	He	0.001	0.0028	30.00	0.3501	0.002425
Ag	107	3	He	-0.007	0	0.00	0.3501	0.002425
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.015	0.0008	8.00	0.0454	6.986E-05
Cd	111	3	He	0.012	0.0006	6.00	0.0454	6.986E-05
Sn	120	3	He	0.018	0.0367	2090.24	0.0284	0.03615
Sn	120	3	He	-0.101	0.0333	1890.20	0.0284	0.03615
Sn	120	3	He	-0.058	0.0345	2000.22	0.0284	0.03615
Sb	121	3	He	0.01	0.0011	60.00	0.0262	0.000803
Sb	121	3	He	0.016	0.0012	70.00	0.0262	0.000803
Sb	121	3	He	0.055	0.0022	130.00	0.0262	0.000803
Ba	137	3	He	354.998	3.4892	198890.17	0.0098	0.0007342
Ba	137	3	He	355.662	3.4957	198592.42	0.0098	0.0007342
Ba	137	3	He	351.833	3.4581	200487.05	0.0098	0.0007342
Tl	205	3	He	0.004	0.0035	200.01	0.1945	0.002744
Tl	205	3	He	0.008	0.0042	240.01	0.1945	0.002744
Tl	205	3	He	0.007	0.0041	240.01	0.1945	0.002744
Pb	208	3	He	0.112	0.036	930.07	0.2651	0.006358
Pb	208	3	He	0.128	0.0403	1150.10	0.2651	0.006358
Pb	208	3	He	0.115	0.0369	1010.08	0.2651	0.006358
U	238	3	He	0.012	0.0042	240.01	0.3022	0.0005338
U	238	3	He	0.012	0.004	230.01	0.3022	0.0005338
U	238	3	He	0.008	0.0029	170.01	0.3022	0.0005338
Sc	45	1	No Gas			200748.59		
Sc	45	1	No Gas			201897.16		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			201143.00		
Ge	72	1	No Gas			135993.00		
Ge	72	1	No Gas			132498.21		
Ge	72	1	No Gas			135538.10		
Sc	45	2	H2			36657.36		
Sc	45	2	H2			36786.95		
Sc	45	2	H2			37629.41		
Ge	72	2	H2			28759.86		
Ge	72	2	H2			28839.88		
Ge	72	2	H2			28479.21		
In	115	2	H2			67956.33		
In	115	2	H2			67213.03		
In	115	2	H2			68298.73		
Sc	45	3	He			5171.07		
Sc	45	3	He			5161.13		
Sc	45	3	He			4590.86		
Ge	72	3	He			10774.46		
Ge	72	3	He			10614.38		
Ge	72	3	He			10033.85		
In	115	3	He			12686.21		
In	115	3	He			13286.83		
In	115	3	He			12796.47		
Tb	159	3	He			57001.42		
Tb	159	3	He			56809.89		
Tb	159	3	He			57975.96		
Bi	209	3	He			46604.10		
Bi	209	3	He			45560.49		
Bi	209	3	He			47487.11		

Quantitation Report

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Sample Type	CCV
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

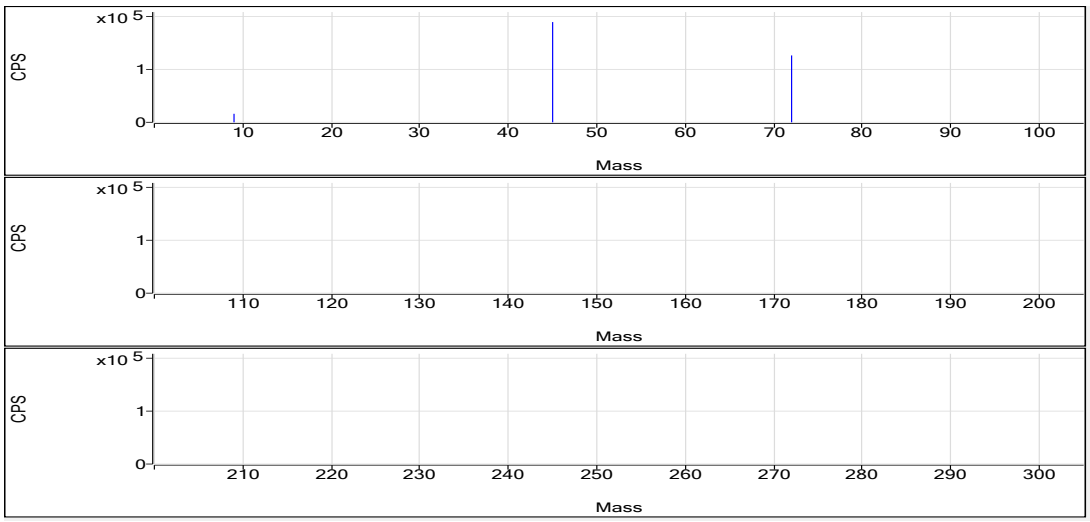
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	24.375	ppb	1.2	16117.41	0.0849	Pulse	0.5000	3
Se	78	72	H2	25.320	ppb	3.0	2369.31	0.0895	Pulse	1.5000	3
Na	23	45	He	2364.490	ppb	3.3	265918.32	51.9887	Pulse	0.1000	3
Mg	24	45	He	2392.757	ppb	2.4	133855.96	26.1663	Pulse	0.1000	3
Al	27	45	He	2366.187	ppb	2.9	44792.14	8.7565	Pulse	0.1000	3
K	39	45	He	2393.566	ppb	1.2	127449.13	24.9083	Pulse	0.1000	3
Ca	44	115	He	2573.196	ppb	3.4	7018.59	0.5684	Pulse	0.1000	3
Ti	47	72	He	2423.266	ppb	3.3	49357.95	4.9384	Pulse	0.1000	3
V	51	45	He	238.753	ppb	2.6	200292.80	39.1550	Pulse	0.5000	3
Cr	52	72	He	240.859	ppb	3.7	251465.00	25.1626	Pulse	0.1000	3
Mn	55	72	He	240.076	ppb	4.3	122149.48	12.2243	Pulse	0.1000	3
Fe	57	45	He	2406.947	ppb	5.0	51074.33	9.9885	Pulse	0.1000	3
Co	59	72	He	240.339	ppb	3.0	472486.31	47.2722	Pulse	0.1000	3
Ni	60	115	He	242.391	ppb	4.3	129353.89	10.4797	Pulse	0.1000	3
Cu	63	115	He	244.581	ppb	3.9	368975.28	29.8903	Pulse	0.1000	3
Zn	66	115	He	248.800	ppb	3.5	49011.18	3.9701	Pulse	0.1000	3
As	75	115	He	244.185	ppb	2.9	39921.47	3.2334	Pulse	0.5000	3
Sr	88	72	He	23.920	ppb	0.5	20715.76	2.0716	Pulse	0.1000	3
Mo	98	159	He	24.427	ppb	0.4	40847.14	0.7429	Pulse	0.1000	3
Ag	107	72	He	25.242	ppb	2.6	88368.92	8.8407	Pulse	0.1000	3
Cd	111	72	He	24.418	ppb	2.5	11084.44	1.1088	Pulse	0.5000	3
Sn	120	159	He	25.522	ppb	2.8	41867.49	0.7616	Pulse	0.1000	3
Sb	121	159	He	24.104	ppb	2.5	34694.21	0.6311	Pulse	0.1000	3
Ba	137	159	He	243.656	ppb	2.1	131671.50	2.3951	Pulse	0.1000	3
Tl	205	159	He	25.298	ppb	2.8	270656.52	4.9230	Pulse	0.1000	3
Pb	208	159	He	24.949	ppb	3.0	364047.60	6.6212	Pulse	0.1000	3
U	238	159	He	25.262	ppb	1.8	419760.50	7.6339	Pulse	0.1000	3

ISTD Table:

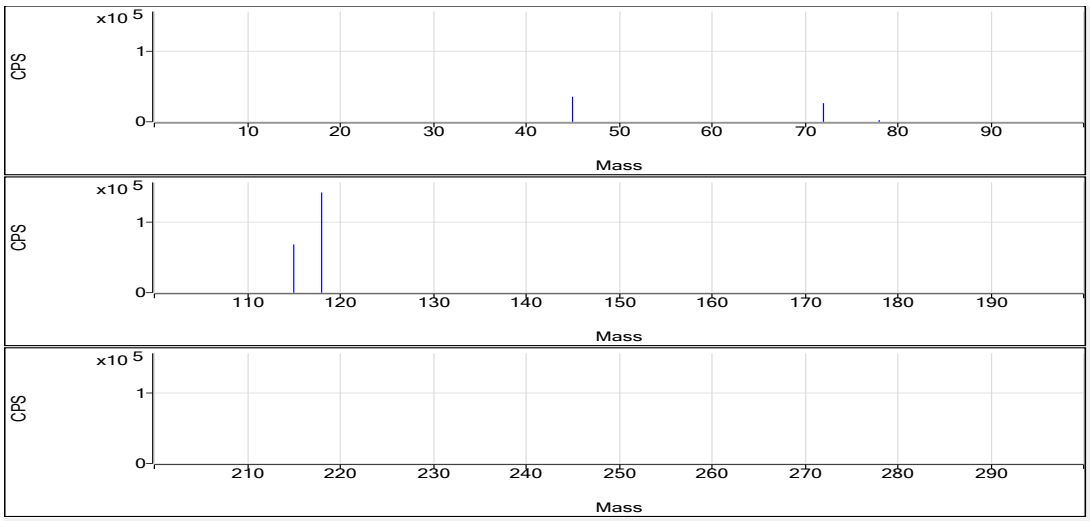
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	189903.83	0.6	103.6	Pulse	0.1000	3
No Gas	Ge	72	126688.04	0.2	113.1	Pulse	0.1000	3
H2	Sc	45	35631.21	2.7	105.1	Pulse	0.1000	3
H2	Ge	72	26492.00	2.5	102.4	Pulse	0.1000	3
H2	In	115	68539.91	2.5	107.2	Pulse	0.1000	3
He	Sc	45	5117.71	2.7	107.6	Pulse	0.1000	3
He	Ge	72	10000.50	2.8	102.8	Pulse	0.1000	3
He	In	115	12353.74	3.0	105.5	Pulse	0.1000	3
He	Tb	159	54986.33	1.7	110.2	Pulse	0.1000	3
He	Bi	209	45874.61	2.1	112.2	Pulse	0.1000	3

No Gas

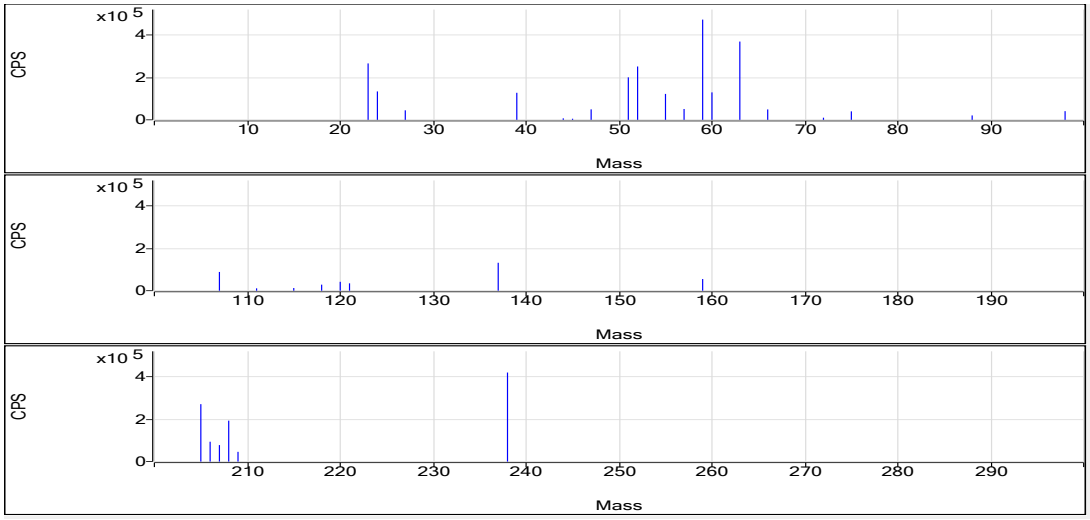


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	24.192	0.0842	16028.67	0.0035	0.0001638
Be	9	1	No Gas	24.208	0.0843	16082.69	0.0035	0.0001638
Be	9	1	No Gas	24.724	0.0861	16240.86	0.0035	0.0001638
Se	78	2	H2	24.869	0.0879	2370.87	0.0035	8.664E-05
Se	78	2	H2	24.907	0.088	2356.86	0.0035	8.664E-05
Se	78	2	H2	26.184	0.0925	2380.20	0.0035	8.664E-05
Na	23	3	He	2287.823	50.3292	265289.66	0.0216	0.8064
Na	23	3	He	2444.106	53.7121	269153.65	0.0216	0.8064
Na	23	3	He	2361.54	51.9249	263311.66	0.0216	0.8064
Mg	24	3	He	2327.963	25.4606	134205.03	0.0109	0.1054
Mg	24	3	He	2432.301	26.597	133278.59	0.0109	0.1054
Mg	24	3	He	2418.009	26.4413	134084.25	0.0109	0.1054
Al	27	3	He	2301.671	8.518	44899.28	0.0037	0.009095
Al	27	3	He	2439.103	9.0261	45230.11	0.0037	0.009095
Al	27	3	He	2357.789	8.7255	44247.03	0.0037	0.009095
K	39	3	He	2363.477	24.6119	129731.66	0.0099	1.328
K	39	3	He	2418.156	25.1506	126030.56	0.0099	1.328
K	39	3	He	2399.066	24.9625	126585.18	0.0099	1.328
Ca	44	3	He	2569.455	0.5676	7172.01	0.0002	0.004867
Ca	44	3	He	2662.79	0.588	7021.90	0.0002	0.004867
Ca	44	3	He	2487.344	0.5496	6861.86	0.0002	0.004867
Ti	47	3	He	2488.223	5.0708	50016.73	0.002	0
Ti	47	3	He	2447.231	4.9872	48943.37	0.002	0
Ti	47	3	He	2334.344	4.7572	49113.75	0.002	0
V	51	3	He	232.014	38.051	200570.44	0.1638	0.04039
V	51	3	He	244.098	40.0308	200595.70	0.1638	0.04039
V	51	3	He	240.145	39.3831	199712.27	0.1638	0.04039
Cr	52	3	He	245.691	25.6658	253159.35	0.1041	0.08357
Cr	52	3	He	246.272	25.7262	252468.98	0.1041	0.08357
Cr	52	3	He	230.613	24.0957	248766.66	0.1041	0.08357
Mn	55	3	He	244.504	12.4495	122798.62	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	247.546	12.6044	123695.64	0.0509	0.00756
Mn	55	3	He	228.179	11.6189	119954.19	0.0509	0.00756
Fe	57	3	He	2282.147	9.4718	49926.95	0.0041	0.02373
Fe	57	3	He	2522.779	10.4681	52455.89	0.0041	0.02373
Fe	57	3	He	2415.916	10.0256	50840.16	0.0041	0.02373
Co	59	3	He	242.291	47.6562	470066.24	0.1966	0.009981
Co	59	3	He	246.329	48.4502	475476.16	0.1966	0.009981
Co	59	3	He	232.395	45.7102	471916.52	0.1966	0.009981
Ni	60	3	He	233.765	10.1074	127712.68	0.0432	0.01878
Ni	60	3	He	254.004	10.9809	131122.93	0.0432	0.01878
Ni	60	3	He	239.404	10.3508	129226.06	0.0432	0.01878
Cu	63	3	He	237.944	29.0795	367434.92	0.1222	0.01194
Cu	63	3	He	255.45	31.218	372775.58	0.1222	0.01194
Cu	63	3	He	240.349	29.3733	366715.35	0.1222	0.01194
Zn	66	3	He	241.704	3.8569	48734.26	0.0159	0.002839
Zn	66	3	He	258.613	4.1265	49275.19	0.0159	0.002839
Zn	66	3	He	246.083	3.9267	49024.08	0.0159	0.002839
As	75	3	He	238.647	3.1601	39929.50	0.0132	0.0009658
As	75	3	He	252.328	3.3412	39897.40	0.0132	0.0009658
As	75	3	He	241.58	3.1989	39937.50	0.0132	0.0009658
Sr	88	3	He	23.898	2.0697	20415.28	0.0864	0.005458
Sr	88	3	He	24.044	2.0823	20435.29	0.0864	0.005458
Sr	88	3	He	23.818	2.0628	21296.72	0.0864	0.005458
Mo	98	3	He	24.372	0.7412	40499.55	0.0303	0.001942
Mo	98	3	He	24.544	0.7464	40509.30	0.0303	0.001942
Mo	98	3	He	24.366	0.741	41532.58	0.0303	0.001942
Ag	107	3	He	25.571	8.9559	88338.76	0.3501	0.002425
Ag	107	3	He	25.657	8.9862	88187.59	0.3501	0.002425
Ag	107	3	He	24.497	8.58	88580.41	0.3501	0.002425
Cd	111	3	He	24.363	1.1063	10912.30	0.0454	6.986E-05
Cd	111	3	He	25.044	1.1372	11160.50	0.0454	6.986E-05
Cd	111	3	He	23.848	1.083	11180.51	0.0454	6.986E-05
Sn	120	3	He	26.03	0.7761	42405.44	0.0284	0.03615
Sn	120	3	He	25.82	0.7701	41794.07	0.0284	0.03615
Sn	120	3	He	24.715	0.7387	41402.95	0.0284	0.03615
Sb	121	3	He	24.292	0.636	34754.28	0.0262	0.000803
Sb	121	3	He	24.585	0.6437	34934.72	0.0262	0.000803
Sb	121	3	He	23.435	0.6137	34393.64	0.0262	0.000803
Ba	137	3	He	241.775	2.3766	129860.13	0.0098	0.0007342
Ba	137	3	He	249.466	2.4522	133080.73	0.0098	0.0007342
Ba	137	3	He	239.726	2.3565	132073.63	0.0098	0.0007342
Tl	205	3	He	24.72	4.8106	262858.18	0.1945	0.002744
Tl	205	3	He	26.1	5.079	275640.74	0.1945	0.002744
Tl	205	3	He	25.073	4.8793	273470.64	0.1945	0.002744
Pb	208	3	He	24.205	6.4239	185381.36	0.2651	0.006358
Pb	208	3	He	25.718	6.825	197562.67	0.2651	0.006358
Pb	208	3	He	24.924	6.6147	195667.65	0.2651	0.006358
U	238	3	He	24.776	7.487	409099.49	0.3022	0.0005338
U	238	3	He	25.658	7.7537	420795.81	0.3022	0.0005338
U	238	3	He	25.352	7.6611	429386.20	0.3022	0.0005338
Sc	45	1	No Gas			190273.14		
Sc	45	1	No Gas			190788.69		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			188649.65		
Ge	72	1	No Gas			126607.97		
Ge	72	1	No Gas			126546.67		
Ge	72	1	No Gas			126909.49		
Sc	45	2	H2			34521.73		
Sc	45	2	H2			36115.89		
Sc	45	2	H2			36256.02		
Ge	72	2	H2			26976.29		
Ge	72	2	H2			26775.93		
Ge	72	2	H2			25723.77		
In	115	2	H2			68569.90		
In	115	2	H2			70238.51		
In	115	2	H2			66811.33		
Sc	45	3	He			5271.09		
Sc	45	3	He			5011.04		
Sc	45	3	He			5071.01		
Ge	72	3	He			9863.70		
Ge	72	3	He			9813.70		
Ge	72	3	He			10324.10		
In	115	3	He			12856.42		
In	115	3	He			12165.75		
In	115	3	He			12706.18		
Tb	159	3	He			54641.14		
Tb	159	3	He			54270.49		
Tb	159	3	He			56047.36		
Bi	209	3	He			44787.56		
Bi	209	3	He			46353.02		
Bi	209	3	He			46483.25		

Quantitation Report

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Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

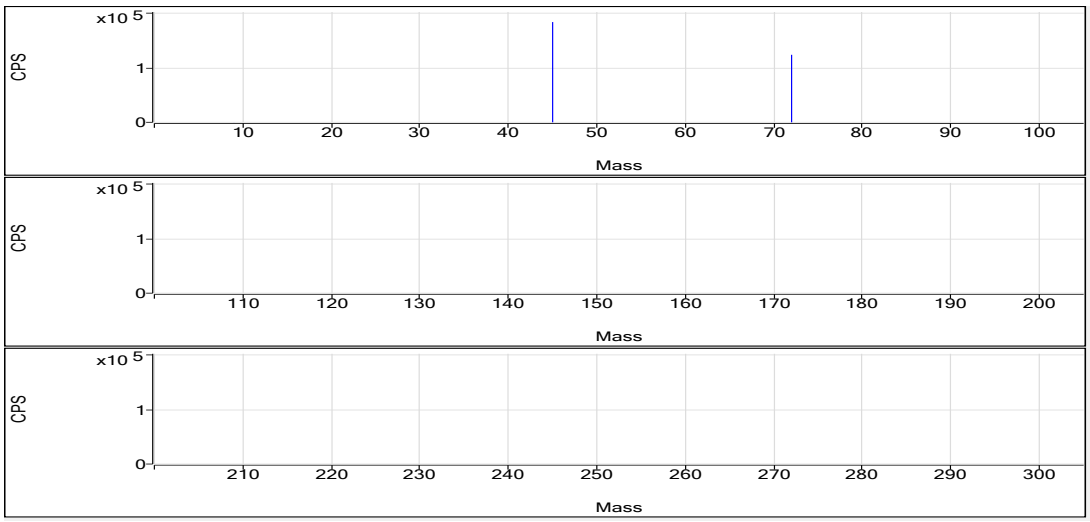
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.076	ppb	26.1	78.67	0.0004	Pulse	0.5000	3
Se	78	72	H2	0.033	ppb	1.4	5.33	0.0002	Pulse	1.5000	3
Na	23	45	He	-2.278	ppb	N/A	3730.61	0.7571	Pulse	0.1000	3
Mg	24	45	He	-0.645	ppb	N/A	483.36	0.0984	Pulse	0.1000	3
Al	27	45	He	0.657	ppb	138.0	56.67	0.0115	Pulse	0.1000	3
K	39	45	He	-9.607	ppb	N/A	6081.48	1.2338	Pulse	0.1000	3
Ca	44	115	He	-4.168	ppb	N/A	46.67	0.0040	Pulse	0.1000	3
Ti	47	72	He	0.668	ppb	44.6	13.33	0.0014	Pulse	0.1000	3
V	51	45	He	0.006	ppb	409.4	204.00	0.0414	Pulse	0.5000	3
Cr	52	72	He	-0.103	ppb	N/A	713.38	0.0729	Pulse	0.1000	3
Mn	55	72	He	0.331	ppb	59.5	236.68	0.0244	Pulse	0.1000	3
Fe	57	45	He	1.128	ppb	83.6	140.01	0.0284	Pulse	0.1000	3
Co	59	72	He	0.035	ppb	31.3	166.68	0.0169	Pulse	0.1000	3
Ni	60	115	He	-0.029	ppb	N/A	206.68	0.0175	Pulse	0.1000	3
Cu	63	115	He	-0.010	ppb	N/A	126.67	0.0107	Pulse	0.1000	3
Zn	66	115	He	0.230	ppb	105.0	76.67	0.0065	Pulse	0.1000	3
As	75	115	He	0.111	ppb	24.7	28.67	0.0024	Pulse	0.5000	3
Sr	88	72	He	0.007	ppb	274.5	60.00	0.0061	Pulse	0.1000	3
Mo	98	159	He	0.000	ppb	N/A	103.34	0.0019	Pulse	0.1000	3
Ag	107	72	He	-0.002	ppb	N/A	16.67	0.0016	Pulse	0.1000	3
Cd	111	72	He	0.011	ppb	29.8	5.33	0.0005	Pulse	0.5000	3
Sn	120	159	He	0.011	ppb	1693.6	1950.45	0.0365	Pulse	0.1000	3
Sb	121	159	He	0.036	ppb	62.5	93.34	0.0018	Pulse	0.1000	3
Ba	137	159	He	0.021	ppb	162.7	50.00	0.0009	Pulse	0.1000	3
Tl	205	159	He	0.005	ppb	103.3	200.01	0.0037	Pulse	0.1000	3
Pb	208	159	He	0.000	ppb	N/A	336.68	0.0063	Pulse	0.1000	3
U	238	159	He	0.001	ppb	137.8	46.67	0.0009	Pulse	0.1000	3

ISTD Table:

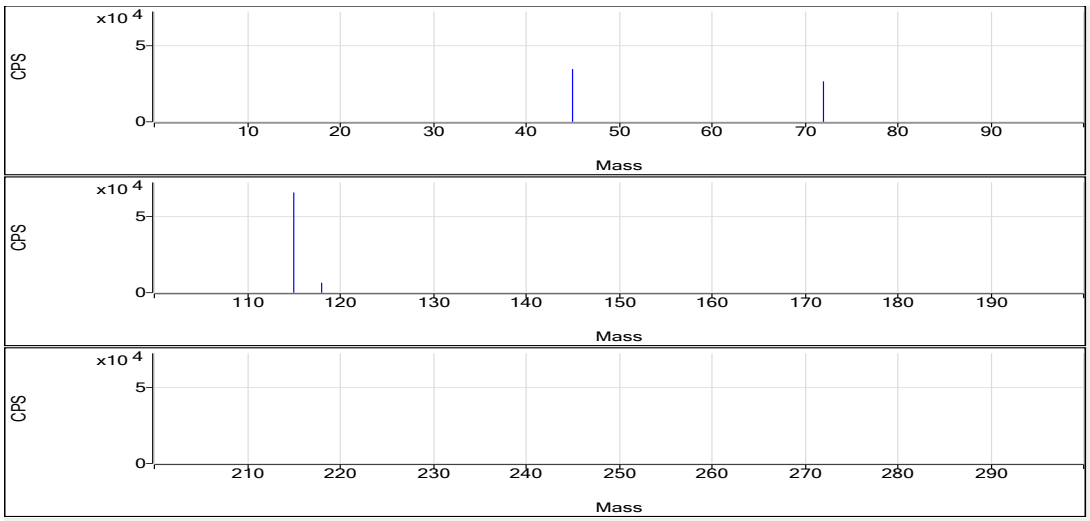
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	184322.08	0.6	100.6	Pulse	0.1000	3
No Gas	Ge	72	124143.03	0.5	110.9	Pulse	0.1000	3
H2	Sc	45	34434.82	3.8	101.5	Pulse	0.1000	3
H2	Ge	72	26398.45	0.8	102.1	Pulse	0.1000	3
H2	In	115	65411.58	1.4	102.3	Pulse	0.1000	3
He	Sc	45	4937.68	3.0	103.9	Pulse	0.1000	3
He	Ge	72	9840.40	5.5	101.1	Pulse	0.1000	3
He	In	115	11803.87	0.4	100.8	Pulse	0.1000	3
He	Tb	159	53460.04	1.4	107.2	Pulse	0.1000	3
He	Bi	209	45693.77	1.6	111.8	Pulse	0.1000	3

No Gas

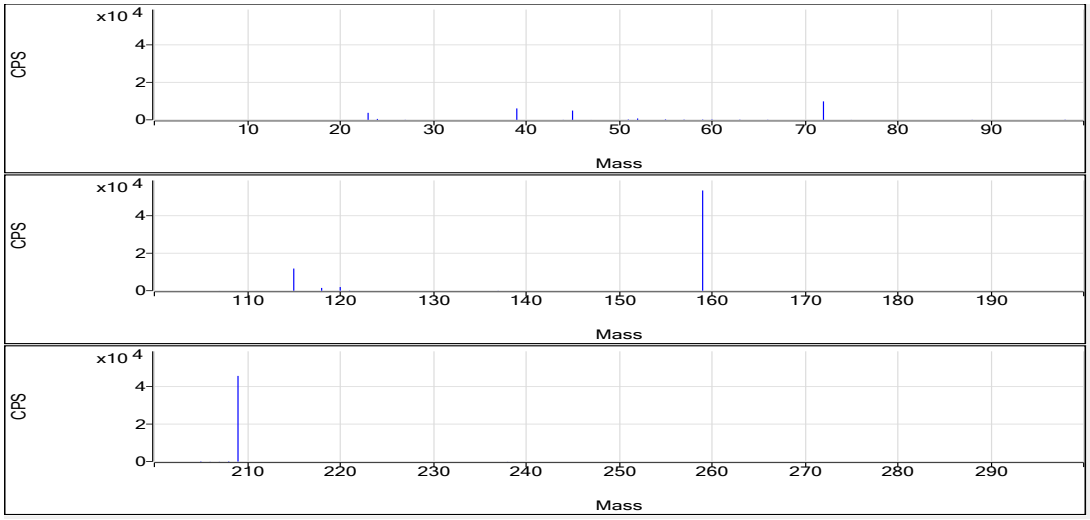


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.057	0.0004	66.00	0.0035	0.0001638
Be	9	1	No Gas	0.096	0.0005	92.00	0.0035	0.0001638
Be	9	1	No Gas	0.074	0.0004	78.00	0.0035	0.0001638
Se	78	2	H2	0.033	0.0002	5.33	0.0035	8.664E-05
Se	78	2	H2	0.033	0.0002	5.33	0.0035	8.664E-05
Se	78	2	H2	0.032	0.0002	5.33	0.0035	8.664E-05
Na	23	3	He	1.678	0.8427	4020.67	0.0216	0.8064
Na	23	3	He	-2.422	0.754	3770.66	0.0216	0.8064
Na	23	3	He	-6.091	0.6746	3400.49	0.0216	0.8064
Mg	24	3	He	1.678	0.1237	590.04	0.0109	0.1054
Mg	24	3	He	0.054	0.106	530.03	0.0109	0.1054
Mg	24	3	He	-3.666	0.0655	330.01	0.0109	0.1054
Al	27	3	He	1.509	0.0147	70.00	0.0037	0.009095
Al	27	3	He	-0.297	0.008	40.00	0.0037	0.009095
Al	27	3	He	0.759	0.0119	60.00	0.0037	0.009095
K	39	3	He	2.205	1.3502	6441.67	0.0099	1.328
K	39	3	He	-7.555	1.254	6271.53	0.0099	1.328
K	39	3	He	-23.47	1.0972	5531.23	0.0099	1.328
Ca	44	3	He	-18.367	0.0008	10.00	0.0002	0.004867
Ca	44	3	He	-6.672	0.0034	40.00	0.0002	0.004867
Ca	44	3	He	12.535	0.0076	90.00	0.0002	0.004867
Ti	47	3	He	1.01	0.0021	20.00	0.002	0
Ti	47	3	He	0.523	0.0011	10.00	0.002	0
Ti	47	3	He	0.47	0.001	10.00	0.002	0
V	51	3	He	0.032	0.0457	218.00	0.1638	0.04039
V	51	3	He	-0.017	0.0376	188.00	0.1638	0.04039
V	51	3	He	0.003	0.0409	206.00	0.1638	0.04039
Cr	52	3	He	-0.071	0.0762	740.05	0.1041	0.08357
Cr	52	3	He	-0.024	0.0811	760.04	0.1041	0.08357
Cr	52	3	He	-0.213	0.0613	640.04	0.1041	0.08357
Mn	55	3	He	0.377	0.0268	260.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.501	0.0331	310.02	0.0509	0.00756
Mn	55	3	He	0.115	0.0134	140.01	0.0509	0.00756
Fe	57	3	He	1.863	0.0314	150.01	0.0041	0.02373
Fe	57	3	He	0.064	0.024	120.00	0.0041	0.02373
Fe	57	3	He	1.457	0.0298	150.01	0.0041	0.02373
Co	59	3	He	0.023	0.0144	140.01	0.1966	0.009981
Co	59	3	He	0.041	0.0181	170.01	0.1966	0.009981
Co	59	3	He	0.042	0.0182	190.01	0.1966	0.009981
Ni	60	3	He	-0.102	0.0144	170.01	0.0432	0.01878
Ni	60	3	He	-0.06	0.0162	190.01	0.0432	0.01878
Ni	60	3	He	0.075	0.022	260.01	0.0432	0.01878
Cu	63	3	He	-0.001	0.0118	140.00	0.1222	0.01194
Cu	63	3	He	-0.035	0.0077	90.00	0.1222	0.01194
Cu	63	3	He	0.006	0.0127	150.01	0.1222	0.01194
Zn	66	3	He	0.246	0.0068	80.00	0.0159	0.002839
Zn	66	3	He	0.463	0.0102	120.00	0.0159	0.002839
Zn	66	3	He	-0.019	0.0025	30.00	0.0159	0.002839
As	75	3	He	0.08	0.002	24.00	0.0132	0.0009658
As	75	3	He	0.133	0.0027	32.00	0.0132	0.0009658
As	75	3	He	0.119	0.0025	30.00	0.0132	0.0009658
Sr	88	3	He	-0.016	0.0041	40.00	0.0864	0.005458
Sr	88	3	He	0.023	0.0075	70.00	0.0864	0.005458
Sr	88	3	He	0.014	0.0067	70.00	0.0864	0.005458
Mo	98	3	He	-0.015	0.0015	80.00	0.0303	0.001942
Mo	98	3	He	-0.008	0.0017	90.00	0.0303	0.001942
Mo	98	3	He	0.022	0.0026	140.01	0.0303	0.001942
Ag	107	3	He	-0.001	0.0021	20.00	0.3501	0.002425
Ag	107	3	He	-0.007	0	0.00	0.3501	0.002425
Ag	107	3	He	0.001	0.0029	30.00	0.3501	0.002425
Cd	111	3	He	0.012	0.0006	6.00	0.0454	6.986E-05
Cd	111	3	He	0.013	0.0006	6.00	0.0454	6.986E-05
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Sn	120	3	He	-0.058	0.0345	1860.32	0.0284	0.03615
Sn	120	3	He	-0.128	0.0325	1710.17	0.0284	0.03615
Sn	120	3	He	0.219	0.0424	2280.85	0.0284	0.03615
Sb	121	3	He	0.012	0.0011	60.00	0.0262	0.000803
Sb	121	3	He	0.057	0.0023	120.01	0.0262	0.000803
Sb	121	3	He	0.04	0.0019	100.00	0.0262	0.000803
Ba	137	3	He	-0.018	0.0006	30.00	0.0098	0.0007342
Ba	137	3	He	0.041	0.0011	60.00	0.0098	0.0007342
Ba	137	3	He	0.039	0.0011	60.00	0.0098	0.0007342
Tl	205	3	He	0	0.0028	150.01	0.1945	0.002744
Tl	205	3	He	0.004	0.0036	190.01	0.1945	0.002744
Tl	205	3	He	0.011	0.0048	260.01	0.1945	0.002744
Pb	208	3	He	-0.004	0.0054	180.01	0.2651	0.006358
Pb	208	3	He	0.003	0.007	250.01	0.2651	0.006358
Pb	208	3	He	0.001	0.0065	210.01	0.2651	0.006358
U	238	3	He	0.003	0.0013	70.00	0.3022	0.0005338
U	238	3	He	0.001	0.001	50.00	0.3022	0.0005338
U	238	3	He	-0.001	0.0004	20.00	0.3022	0.0005338
Sc	45	1	No Gas			183100.54		
Sc	45	1	No Gas			184922.85		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			184942.85		
Ge	72	1	No Gas			124589.90		
Ge	72	1	No Gas			124429.24		
Ge	72	1	No Gas			123409.94		
Sc	45	2	H2			35112.89		
Sc	45	2	H2			35263.71		
Sc	45	2	H2			32927.86		
Ge	72	2	H2			26314.74		
Ge	72	2	H2			26234.70		
Ge	72	2	H2			26645.91		
In	115	2	H2			64751.70		
In	115	2	H2			66429.67		
In	115	2	H2			65053.37		
Sc	45	3	He			4770.96		
Sc	45	3	He			5001.07		
Sc	45	3	He			5041.00		
Ge	72	3	He			9713.57		
Ge	72	3	He			9373.44		
Ge	72	3	He			10434.20		
In	115	3	He			11855.56		
In	115	3	He			11755.31		
In	115	3	He			11835.28		
Tb	159	3	He			53938.74		
Tb	159	3	He			52603.36		
Tb	159	3	He			53838.03		
Bi	209	3	He			44977.78		
Bi	209	3	He			45700.77		
Bi	209	3	He			46402.75		

Quantitation Report

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Sample Type	Sample
Comment	A29
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

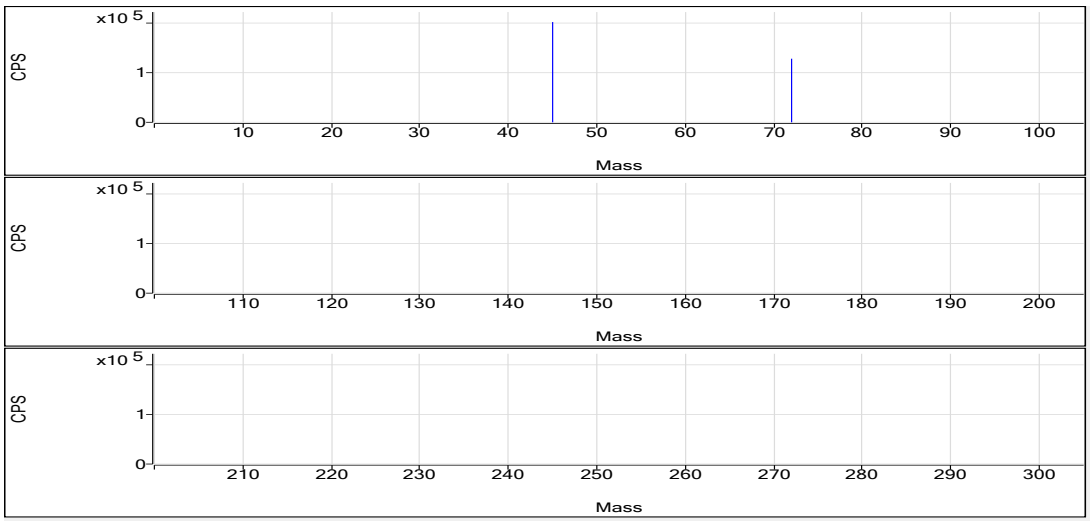
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.104	ppb	19.5	106.00	0.0005	Pulse	0.5000	3
Se	78	72	H2	0.526	ppb	24.6	55.11	0.0019	Pulse	1.5000	3
Na	23	45	He	38822.710	ppb	5.4	4239318.48	841.1724	Analog	0.1000	3
Mg	24	45	He	8315.271	ppb	5.2	456989.39	90.6718	Pulse	0.1000	3
Al	27	45	He	730.909	ppb	9.5	13647.04	2.7112	Pulse	0.1000	3
K	39	45	He	919.463	ppb	6.9	52337.97	10.3864	Pulse	0.1000	3
Ca	44	115	He	44774.846	ppb	0.5	128658.06	9.8111	Pulse	0.1000	3
Ti	47	72	He	7.141	ppb	19.3	153.34	0.0146	Pulse	0.1000	3
V	51	45	He	1.098	ppb	13.3	1108.06	0.2202	Pulse	0.5000	3
Cr	52	72	He	0.915	ppb	17.4	1900.20	0.1788	Pulse	0.1000	3
Mn	55	72	He	35.479	ppb	7.8	19193.39	1.8130	Pulse	0.1000	3
Fe	57	45	He	1307.557	ppb	5.8	27400.04	5.4370	Pulse	0.1000	3
Co	59	72	He	0.620	ppb	9.4	1396.78	0.1318	Pulse	0.1000	3
Ni	60	115	He	1.375	ppb	9.1	1023.40	0.0781	Pulse	0.1000	3
Cu	63	115	He	1.585	ppb	5.4	2693.68	0.2055	Pulse	0.1000	3
Zn	66	115	He	8.078	ppb	4.1	1726.82	0.1316	Pulse	0.1000	3
As	75	115	He	0.810	ppb	6.8	153.33	0.0117	Pulse	0.5000	3
Sr	88	72	He	70.638	ppb	5.5	64715.49	6.1070	Pulse	0.1000	3
Mo	98	159	He	0.137	ppb	13.4	350.02	0.0061	Pulse	0.1000	3
Ag	107	72	He	0.004	ppb	122.1	40.00	0.0038	Pulse	0.1000	3
Cd	111	72	He	0.040	ppb	24.1	20.00	0.0019	Pulse	0.5000	3
Sn	120	159	He	-0.039	ppb	N/A	2013.56	0.0350	Pulse	0.1000	3
Sb	121	159	He	0.118	ppb	19.9	223.34	0.0039	Pulse	0.1000	3
Ba	137	159	He	38.965	ppb	3.9	22048.41	0.3836	Pulse	0.1000	3
Tl	205	159	He	0.004	ppb	78.3	203.34	0.0035	Pulse	0.1000	3
Pb	208	159	He	1.056	ppb	1.7	16468.06	0.2865	Pulse	0.1000	3
U	238	159	He	0.213	ppb	4.0	3727.34	0.0649	Pulse	0.1000	3

ISTD Table:

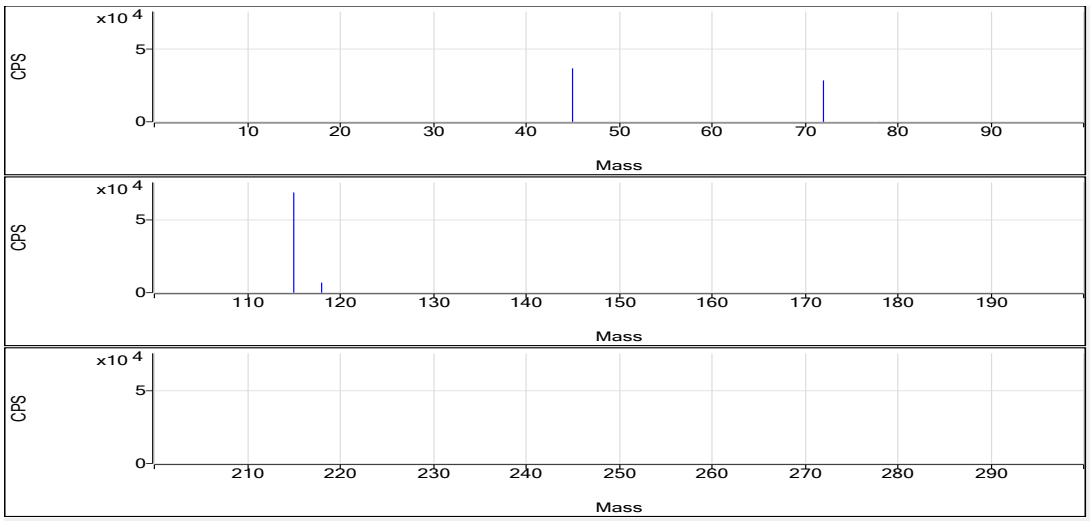
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	201470.10	1.2	109.9	Pulse	0.1000	3
No Gas	Ge	72	127821.32	1.8	114.1	Pulse	0.1000	3
H2	Sc	45	36637.12	0.8	108.0	Pulse	0.1000	3
H2	Ge	72	28375.58	1.5	109.7	Pulse	0.1000	3
H2	In	115	68687.25	3.1	107.4	Pulse	0.1000	3
He	Sc	45	5047.73	4.4	106.2	Pulse	0.1000	3
He	Ge	72	10620.99	6.2	109.2	Pulse	0.1000	3
He	In	115	13114.00	1.8	112.0	Pulse	0.1000	3
He	Tb	159	57492.95	1.4	115.2	Pulse	0.1000	3
He	Bi	209	46553.86	1.1	113.9	Pulse	0.1000	3

No Gas

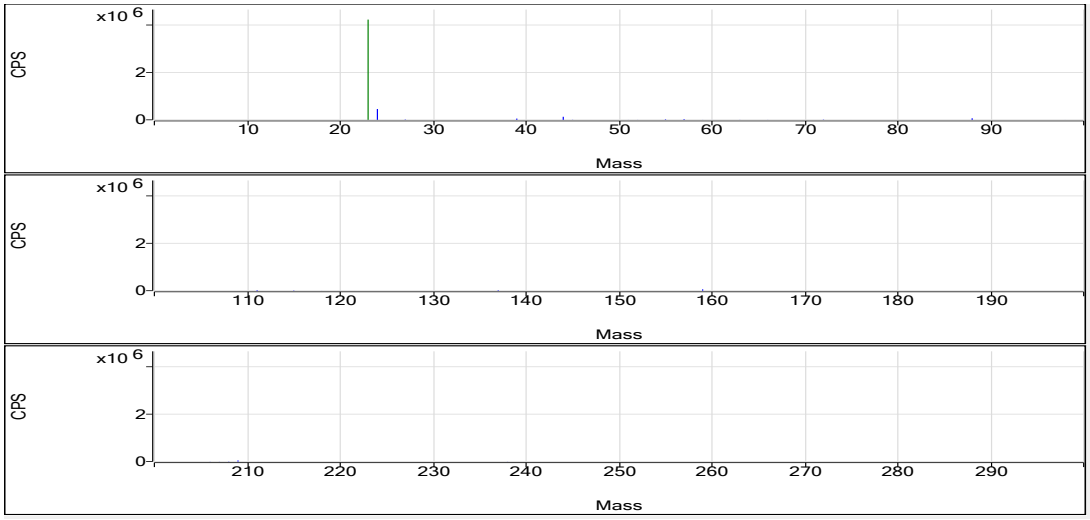


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.088	0.0005	96.00	0.0035	0.0001638
Be	9	1	No Gas	0.097	0.0005	100.00	0.0035	0.0001638
Be	9	1	No Gas	0.127	0.0006	122.00	0.0035	0.0001638
Se	78	2	H2	0.378	0.0014	40.67	0.0035	8.664E-05
Se	78	2	H2	0.616	0.0023	64.67	0.0035	8.664E-05
Se	78	2	H2	0.585	0.0022	60.00	0.0035	8.664E-05
Na	23	3	He	41232.798	893.3418	4279973.69	0.0216	0.8064
Na	23	3	He	37652.035	815.8317	4235080.25	0.0216	0.8064
Na	23	3	He	37583.297	814.3438	4202901.50	0.0216	0.8064
Mg	24	3	He	8814.33	96.1074	460447.53	0.0109	0.1054
Mg	24	3	He	8071.102	88.0124	456883.12	0.0109	0.1054
Mg	24	3	He	8060.382	87.8957	453637.53	0.0109	0.1054
Al	27	3	He	810.452	3.0052	14397.90	0.0037	0.009095
Al	27	3	He	681.027	2.5268	13116.67	0.0037	0.009095
Al	27	3	He	701.246	2.6015	13426.56	0.0037	0.009095
K	39	3	He	991.423	11.0953	53157.38	0.0099	1.328
K	39	3	He	895.199	10.1474	52676.33	0.0099	1.328
K	39	3	He	871.767	9.9166	51180.21	0.0099	1.328
Ca	44	3	He	44933.285	9.8458	130127.70	0.0002	0.004867
Ca	44	3	He	44514.4	9.754	129611.93	0.0002	0.004867
Ca	44	3	He	44876.852	9.8334	126234.54	0.0002	0.004867
Ti	47	3	He	7.425	0.0151	160.01	0.002	0
Ti	47	3	He	5.643	0.0115	130.00	0.002	0
Ti	47	3	He	8.356	0.017	170.01	0.002	0
V	51	3	He	1.265	0.2476	1186.07	0.1638	0.04039
V	51	3	He	0.998	0.2038	1058.04	0.1638	0.04039
V	51	3	He	1.031	0.2093	1080.06	0.1638	0.04039
Cr	52	3	He	1.096	0.1977	2090.23	0.1041	0.08357
Cr	52	3	He	0.854	0.1725	1950.19	0.1041	0.08357
Cr	52	3	He	0.794	0.1663	1660.17	0.1041	0.08357
Mn	55	3	He	35.837	1.8312	19363.66	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	32.537	1.6633	18802.86	0.0509	0.00756
Mn	55	3	He	38.064	1.9445	19413.65	0.0509	0.00756
Fe	57	3	He	1392.686	5.7895	27737.15	0.0041	0.02373
Fe	57	3	He	1280.247	5.324	27637.35	0.0041	0.02373
Fe	57	3	He	1249.739	5.1977	26825.61	0.0041	0.02373
Co	59	3	He	0.671	0.1419	1500.14	0.1966	0.009981
Co	59	3	He	0.557	0.1194	1350.11	0.1966	0.009981
Co	59	3	He	0.632	0.1342	1340.10	0.1966	0.009981
Ni	60	3	He	1.336	0.0764	1010.07	0.0432	0.01878
Ni	60	3	He	1.274	0.0738	980.06	0.0432	0.01878
Ni	60	3	He	1.514	0.0841	1080.08	0.0432	0.01878
Cu	63	3	He	1.575	0.2043	2700.34	0.1222	0.01194
Cu	63	3	He	1.504	0.1957	2600.33	0.1222	0.01194
Cu	63	3	He	1.675	0.2166	2780.36	0.1222	0.01194
Zn	66	3	He	7.842	0.1279	1690.16	0.0159	0.002839
Zn	66	3	He	8.46	0.1377	1830.17	0.0159	0.002839
Zn	66	3	He	7.932	0.1293	1660.14	0.0159	0.002839
As	75	3	He	0.819	0.0118	156.00	0.0132	0.0009658
As	75	3	He	0.859	0.0123	164.00	0.0132	0.0009658
As	75	3	He	0.751	0.0109	140.00	0.0132	0.0009658
Sr	88	3	He	70.397	6.0862	64357.49	0.0864	0.005458
Sr	88	3	He	66.882	5.7826	65371.31	0.0864	0.005458
Sr	88	3	He	74.634	6.4522	64417.67	0.0864	0.005458
Mo	98	3	He	0.124	0.0057	330.02	0.0303	0.001942
Mo	98	3	He	0.128	0.0058	330.01	0.0303	0.001942
Mo	98	3	He	0.158	0.0067	390.02	0.0303	0.001942
Ag	107	3	He	0.009	0.0057	60.00	0.3501	0.002425
Ag	107	3	He	0.001	0.0027	30.00	0.3501	0.002425
Ag	107	3	He	0.002	0.003	30.00	0.3501	0.002425
Cd	111	3	He	0.036	0.0017	18.00	0.0454	6.986E-05
Cd	111	3	He	0.034	0.0016	18.00	0.0454	6.986E-05
Cd	111	3	He	0.051	0.0024	24.00	0.0454	6.986E-05
Sn	120	3	He	-0.129	0.0325	1880.20	0.0284	0.03615
Sn	120	3	He	0.022	0.0368	2080.23	0.0284	0.03615
Sn	120	3	He	-0.01	0.0359	2080.24	0.0284	0.03615
Sb	121	3	He	0.101	0.0035	200.01	0.0262	0.000803
Sb	121	3	He	0.145	0.0046	260.01	0.0262	0.000803
Sb	121	3	He	0.108	0.0036	210.01	0.0262	0.000803
Ba	137	3	He	38.031	0.3745	21667.86	0.0098	0.0007342
Ba	137	3	He	40.709	0.4008	22679.35	0.0098	0.0007342
Ba	137	3	He	38.154	0.3757	21798.01	0.0098	0.0007342
Tl	205	3	He	0.006	0.004	230.01	0.1945	0.002744
Tl	205	3	He	0	0.0028	160.01	0.1945	0.002744
Tl	205	3	He	0.005	0.0038	220.01	0.1945	0.002744
Pb	208	3	He	1.071	0.2902	9113.56	0.2651	0.006358
Pb	208	3	He	1.062	0.2879	8693.13	0.2651	0.006358
Pb	208	3	He	1.036	0.2812	8793.22	0.2651	0.006358
U	238	3	He	0.206	0.0627	3630.64	0.3022	0.0005338
U	238	3	He	0.222	0.0677	3830.72	0.3022	0.0005338
U	238	3	He	0.21	0.0641	3720.67	0.3022	0.0005338
Sc	45	1	No Gas			203925.68		
Sc	45	1	No Gas			199045.13		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			201439.49		
Ge	72	1	No Gas			128030.46		
Ge	72	1	No Gas			125426.50		
Ge	72	1	No Gas			130006.99		
Sc	45	2	H2			36667.40		
Sc	45	2	H2			36346.22		
Sc	45	2	H2			36897.74		
Ge	72	2	H2			28619.61		
Ge	72	2	H2			28619.35		
Ge	72	2	H2			27887.77		
In	115	2	H2			66489.82		
In	115	2	H2			70751.30		
In	115	2	H2			68820.62		
Sc	45	3	He			4790.97		
Sc	45	3	He			5191.12		
Sc	45	3	He			5161.09		
Ge	72	3	He			10574.30		
Ge	72	3	He			11304.80		
Ge	72	3	He			9983.87		
In	115	3	He			13226.76		
In	115	3	He			13296.71		
In	115	3	He			12846.37		
Tb	159	3	He			57864.61		
Tb	159	3	He			56588.82		
Tb	159	3	He			58025.42		
Bi	209	3	He			46363.48		
Bi	209	3	He			46172.16		
Bi	209	3	He			47125.93		

Quantitation Report

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Sample Type	Sample
Comment	A29
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

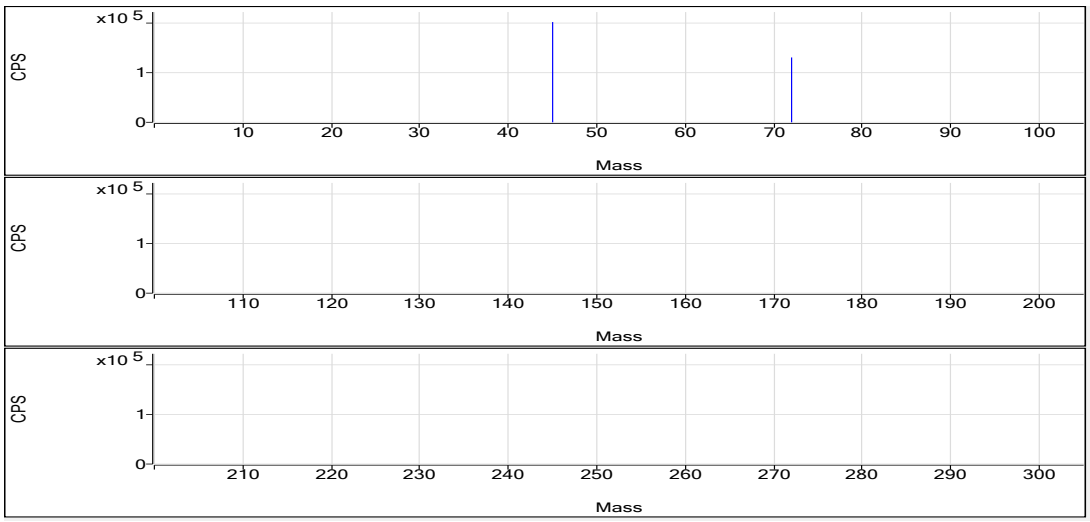
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.067	ppb	21.8	80.00	0.0004	Pulse	0.5000	3
Se	78	72	H2	0.107	ppb	24.7	13.11	0.0005	Pulse	1.5000	3
Na	23	45	He	4174.240	ppb	2.8	473229.99	91.1630	Pulse	0.1000	3
Mg	24	45	He	3842.461	ppb	3.0	217782.83	41.9559	Pulse	0.1000	3
Al	27	45	He	88.881	ppb	17.9	1746.84	0.3377	Pulse	0.1000	3
K	39	45	He	909.339	ppb	1.7	53431.97	10.2867	Pulse	0.1000	3
Ca	44	115	He	14831.886	ppb	2.3	41175.67	3.2532	Pulse	0.1000	3
Ti	47	72	He	1.244	ppb	54.1	26.67	0.0025	Pulse	0.1000	3
V	51	45	He	0.146	ppb	23.8	333.34	0.0643	Pulse	0.5000	3
Cr	52	72	He	-0.083	ppb	N/A	773.39	0.0749	Pulse	0.1000	3
Mn	55	72	He	5.366	ppb	9.3	2903.72	0.2806	Pulse	0.1000	3
Fe	57	45	He	58.727	ppb	3.2	1386.78	0.2669	Pulse	0.1000	3
Co	59	72	He	0.052	ppb	13.7	210.01	0.0202	Pulse	0.1000	3
Ni	60	115	He	0.455	ppb	12.4	486.70	0.0384	Pulse	0.1000	3
Cu	63	115	He	0.270	ppb	27.0	566.70	0.0449	Pulse	0.1000	3
Zn	66	115	He	1.528	ppb	14.8	343.35	0.0272	Pulse	0.1000	3
As	75	115	He	0.114	ppb	22.1	31.33	0.0025	Pulse	0.5000	3
Sr	88	72	He	62.920	ppb	8.7	56299.45	5.4404	Pulse	0.1000	3
Mo	98	159	He	-0.025	ppb	N/A	66.67	0.0012	Pulse	0.1000	3
Ag	107	72	He	-0.002	ppb	N/A	16.67	0.0016	Pulse	0.1000	3
Cd	111	72	He	0.006	ppb	163.3	3.33	0.0003	Pulse	0.5000	3
Sn	120	159	He	-0.139	ppb	N/A	1806.85	0.0322	Pulse	0.1000	3
Sb	121	159	He	0.010	ppb	131.3	60.00	0.0011	Pulse	0.1000	3
Ba	137	159	He	39.876	ppb	3.5	22028.47	0.3926	Pulse	0.1000	3
Tl	205	159	He	0.000	ppb	2734.5	156.67	0.0028	Pulse	0.1000	3
Pb	208	159	He	0.048	ppb	13.2	1070.06	0.0191	Pulse	0.1000	3
U	238	159	He	0.012	ppb	12.3	233.34	0.0042	Pulse	0.1000	3

ISTD Table:

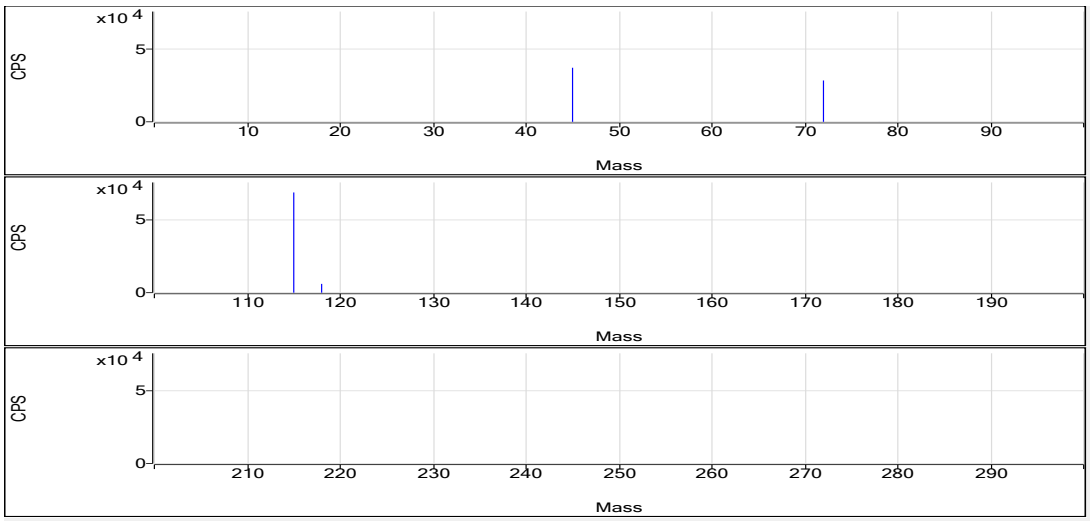
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	201380.81	0.5	109.9	Pulse	0.1000	3
No Gas	Ge	72	130299.37	1.2	116.4	Pulse	0.1000	3
H2	Sc	45	37091.42	0.6	109.4	Pulse	0.1000	3
H2	Ge	72	28362.27	1.0	109.7	Pulse	0.1000	3
H2	In	115	68757.54	3.2	107.5	Pulse	0.1000	3
He	Sc	45	5194.45	3.6	109.3	Pulse	0.1000	3
He	Ge	72	10384.09	6.0	106.7	Pulse	0.1000	3
He	In	115	12657.04	3.0	108.1	Pulse	0.1000	3
He	Tb	159	56101.01	0.8	112.5	Pulse	0.1000	3
He	Bi	209	47721.45	3.5	116.7	Pulse	0.1000	3

No Gas

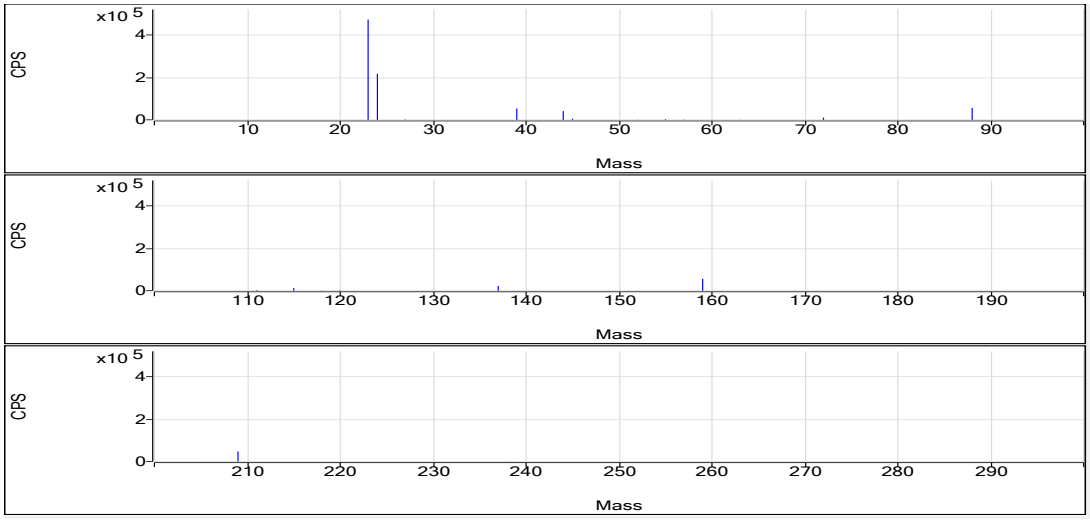


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.052	0.0003	70.00	0.0035	0.0001638
Be	9	1	No Gas	0.068	0.0004	80.00	0.0035	0.0001638
Be	9	1	No Gas	0.082	0.0004	90.00	0.0035	0.0001638
Se	78	2	H2	0.137	0.0006	16.00	0.0035	8.664E-05
Se	78	2	H2	0.094	0.0004	12.00	0.0035	8.664E-05
Se	78	2	H2	0.089	0.0004	11.33	0.0035	8.664E-05
Na	23	3	He	4052.086	88.5189	478106.32	0.0216	0.8064
Na	23	3	He	4182.386	91.3394	469586.63	0.0216	0.8064
Na	23	3	He	4288.248	93.6309	471997.02	0.0216	0.8064
Mg	24	3	He	3714.882	40.5663	219106.05	0.0109	0.1054
Mg	24	3	He	3875.926	42.3203	217573.98	0.0109	0.1054
Mg	24	3	He	3936.574	42.9809	216668.45	0.0109	0.1054
Al	27	3	He	72.168	0.2759	1490.12	0.0037	0.009095
Al	27	3	He	90.679	0.3443	1770.19	0.0037	0.009095
Al	27	3	He	103.797	0.3928	1980.21	0.0037	0.009095
K	39	3	He	903.053	10.2248	55225.75	0.0099	1.328
K	39	3	He	926.8	10.4587	53769.44	0.0099	1.328
K	39	3	He	898.166	10.1766	51300.73	0.0099	1.328
Ca	44	3	He	15093.332	3.3105	42964.26	0.0002	0.004867
Ca	44	3	He	14437.388	3.1668	40366.60	0.0002	0.004867
Ca	44	3	He	14964.939	3.2824	40196.14	0.0002	0.004867
Ti	47	3	He	0.486	0.001	10.00	0.002	0
Ti	47	3	He	1.477	0.003	30.00	0.002	0
Ti	47	3	He	1.769	0.0036	40.00	0.002	0
V	51	3	He	0.113	0.0589	318.01	0.1638	0.04039
V	51	3	He	0.143	0.0638	328.01	0.1638	0.04039
V	51	3	He	0.182	0.0702	354.01	0.1638	0.04039
Cr	52	3	He	-0.041	0.0793	800.05	0.1041	0.08357
Cr	52	3	He	-0.002	0.0833	830.06	0.1041	0.08357
Cr	52	3	He	-0.205	0.0622	690.05	0.1041	0.08357
Mn	55	3	He	5.712	0.2982	3010.41	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	5.592	0.2921	2910.40	0.0509	0.00756
Mn	55	3	He	4.794	0.2515	2790.36	0.0509	0.00756
Fe	57	3	He	60.461	0.274	1480.12	0.0041	0.02373
Fe	57	3	He	56.76	0.2587	1330.09	0.0041	0.02373
Fe	57	3	He	58.961	0.2678	1350.12	0.0041	0.02373
Co	59	3	He	0.06	0.0218	220.01	0.1966	0.009981
Co	59	3	He	0.046	0.0191	190.01	0.1966	0.009981
Co	59	3	He	0.05	0.0198	220.01	0.1966	0.009981
Ni	60	3	He	0.458	0.0385	500.03	0.0432	0.01878
Ni	60	3	He	0.51	0.0408	520.03	0.0432	0.01878
Ni	60	3	He	0.398	0.0359	440.03	0.0432	0.01878
Cu	63	3	He	0.192	0.0354	460.02	0.1222	0.01194
Cu	63	3	He	0.281	0.0463	590.04	0.1222	0.01194
Cu	63	3	He	0.337	0.0531	650.03	0.1222	0.01194
Zn	66	3	He	1.32	0.0239	310.01	0.0159	0.002839
Zn	66	3	He	1.495	0.0267	340.02	0.0159	0.002839
Zn	66	3	He	1.768	0.031	380.02	0.0159	0.002839
As	75	3	He	0.09	0.0022	28.00	0.0132	0.0009658
As	75	3	He	0.14	0.0028	36.00	0.0132	0.0009658
As	75	3	He	0.112	0.0024	30.00	0.0132	0.0009658
Sr	88	3	He	66.078	5.7132	57667.91	0.0864	0.005458
Sr	88	3	He	66.09	5.7142	56935.34	0.0864	0.005458
Sr	88	3	He	56.593	4.8938	54295.10	0.0864	0.005458
Mo	98	3	He	-0.017	0.0014	80.00	0.0303	0.001942
Mo	98	3	He	-0.023	0.0013	70.00	0.0303	0.001942
Mo	98	3	He	-0.035	0.0009	50.00	0.0303	0.001942
Ag	107	3	He	0.002	0.003	30.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.0009	10.00	0.3501	0.002425
Cd	111	3	He	0.016	0.0008	8.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Cd	111	3	He	0.002	0.0002	2.00	0.0454	6.986E-05
Sn	120	3	He	-0.235	0.0295	1650.15	0.0284	0.03615
Sn	120	3	He	-0.059	0.0345	1920.19	0.0284	0.03615
Sn	120	3	He	-0.122	0.0327	1850.20	0.0284	0.03615
Sb	121	3	He	0.01	0.0011	60.00	0.0262	0.000803
Sb	121	3	He	-0.003	0.0007	40.00	0.0262	0.000803
Sb	121	3	He	0.023	0.0014	80.00	0.0262	0.000803
Ba	137	3	He	40.318	0.3969	22218.75	0.0098	0.0007342
Ba	137	3	He	38.3	0.3771	21006.73	0.0098	0.0007342
Ba	137	3	He	41.012	0.4037	22859.92	0.0098	0.0007342
Tl	205	3	He	-0.001	0.0025	140.01	0.1945	0.002744
Tl	205	3	He	-0.005	0.0018	100.00	0.1945	0.002744
Tl	205	3	He	0.007	0.0041	230.01	0.1945	0.002744
Pb	208	3	He	0.042	0.0175	530.03	0.2651	0.006358
Pb	208	3	He	0.047	0.0188	560.04	0.2651	0.006358
Pb	208	3	He	0.055	0.0208	690.05	0.2651	0.006358
U	238	3	He	0.014	0.0046	260.01	0.3022	0.0005338
U	238	3	He	0.011	0.0038	210.01	0.3022	0.0005338
U	238	3	He	0.012	0.0041	230.01	0.3022	0.0005338
Sc	45	1	No Gas			202510.47		
Sc	45	1	No Gas			200516.07		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			201115.88		
Ge	72	1	No Gas			129793.73		
Ge	72	1	No Gas			131994.36		
Ge	72	1	No Gas			129110.01		
Sc	45	2	H2			37348.59		
Sc	45	2	H2			36937.48		
Sc	45	2	H2			36988.18		
Ge	72	2	H2			28098.23		
Ge	72	2	H2			28639.66		
Ge	72	2	H2			28348.92		
In	115	2	H2			70991.92		
In	115	2	H2			66610.81		
In	115	2	H2			68669.90		
Sc	45	3	He			5401.18		
Sc	45	3	He			5141.12		
Sc	45	3	He			5041.04		
Ge	72	3	He			10093.88		
Ge	72	3	He			9963.77		
Ge	72	3	He			11094.62		
In	115	3	He			12986.46		
In	115	3	He			12756.33		
In	115	3	He			12255.87		
Tb	159	3	He			55977.00		
Tb	159	3	He			55706.48		
Tb	159	3	He			56619.56		
Bi	209	3	He			45780.66		
Bi	209	3	He			48561.75		
Bi	209	3	He			48821.93		

Quantitation Report

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Sample Type	Sample
Comment	A29
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

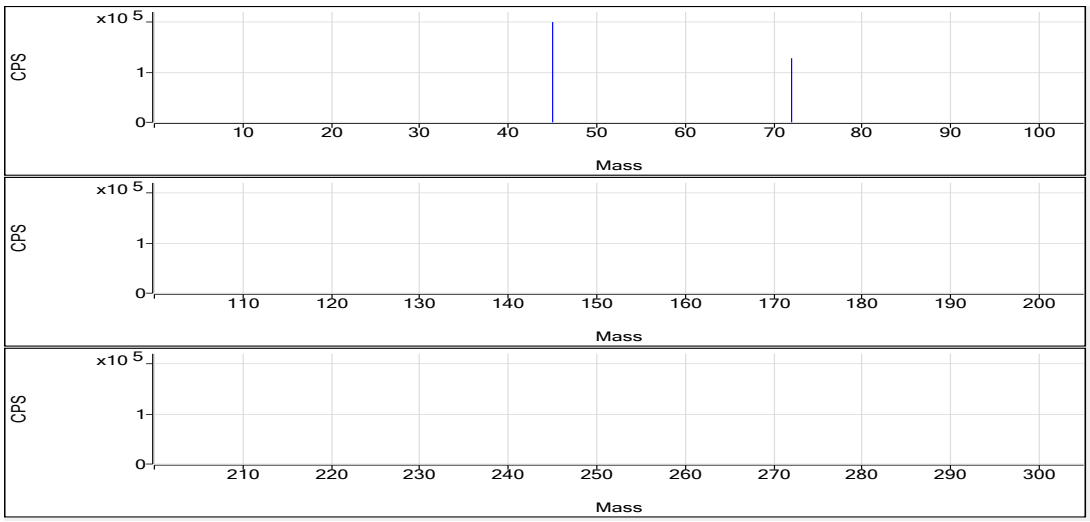
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.060	ppb	9.8	74.67	0.0004	Pulse	0.5000	3
Se	78	72	H2	-0.001	ppb	N/A	2.44	0.0001	Pulse	1.5000	3
Na	23	45	He	13990.353	ppb	4.9	1519165.50	303.6451	Pulse	0.1000	3
Mg	24	45	He	7930.842	ppb	4.5	432742.21	86.4848	Pulse	0.1000	3
Al	27	45	He	2.101	ppb	95.5	83.34	0.0169	Pulse	0.1000	3
K	39	45	He	1657.201	ppb	5.1	88329.89	17.6541	Pulse	0.1000	3
Ca	44	115	He	35311.868	ppb	4.2	98320.90	7.7386	Pulse	0.1000	3
Ti	47	72	He	0.147	ppb	173.2	3.33	0.0003	Pulse	0.1000	3
V	51	45	He	-0.026	ppb	N/A	180.67	0.0361	Pulse	0.5000	3
Cr	52	72	He	-0.193	ppb	N/A	670.04	0.0635	Pulse	0.1000	3
Mn	55	72	He	35.841	ppb	3.7	19283.47	1.8314	Pulse	0.1000	3
Fe	57	45	He	185.277	ppb	7.7	3954.00	0.7908	Pulse	0.1000	3
Co	59	72	He	0.004	ppb	220.6	113.34	0.0108	Pulse	0.1000	3
Ni	60	115	He	-0.021	ppb	N/A	226.68	0.0179	Pulse	0.1000	3
Cu	63	115	He	2.431	ppb	2.3	3927.34	0.3089	Pulse	0.1000	3
Zn	66	115	He	4.807	ppb	3.4	1010.07	0.0795	Pulse	0.1000	3
As	75	115	He	0.066	ppb	15.5	23.33	0.0018	Pulse	0.5000	3
Sr	88	72	He	449.280	ppb	4.4	408470.68	38.8135	Pulse	0.1000	3
Mo	98	159	He	0.180	ppb	10.5	416.69	0.0074	Pulse	0.1000	3
Ag	107	72	He	-0.004	ppb	N/A	10.00	0.0010	Pulse	0.1000	3
Cd	111	72	He	0.003	ppb	156.2	2.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.157	ppb	N/A	1780.18	0.0317	Pulse	0.1000	3
Sb	121	159	He	0.005	ppb	179.9	53.33	0.0009	Pulse	0.1000	3
Ba	137	159	He	929.352	ppb	1.4	513265.57	9.1332	Pulse	0.1000	3
Tl	205	159	He	-0.003	ppb	N/A	120.00	0.0021	Pulse	0.1000	3
Pb	208	159	He	0.042	ppb	8.4	976.72	0.0174	Pulse	0.1000	3
U	238	159	He	0.001	ppb	132.6	50.00	0.0009	Pulse	0.1000	3

ISTD Table:

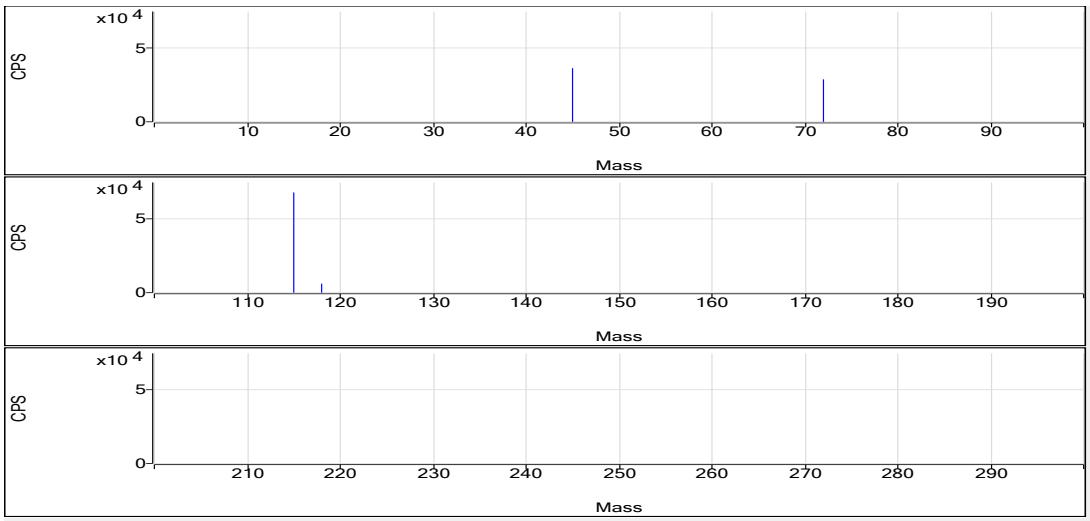
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	200478.78	0.3	109.4	Pulse	0.1000	3
No Gas	Ge	72	128130.79	0.6	114.4	Pulse	0.1000	3
H2	Sc	45	36453.31	1.2	107.5	Pulse	0.1000	3
H2	Ge	72	28863.30	0.5	111.6	Pulse	0.1000	3
H2	In	115	68134.27	0.7	106.6	Pulse	0.1000	3
He	Sc	45	5011.04	4.9	105.4	Pulse	0.1000	3
He	Ge	72	10537.57	4.6	108.3	Pulse	0.1000	3
He	In	115	12720.06	4.2	108.6	Pulse	0.1000	3
He	Tb	159	56204.49	1.3	112.7	Pulse	0.1000	3
He	Bi	209	47249.53	1.0	115.6	Pulse	0.1000	3

No Gas

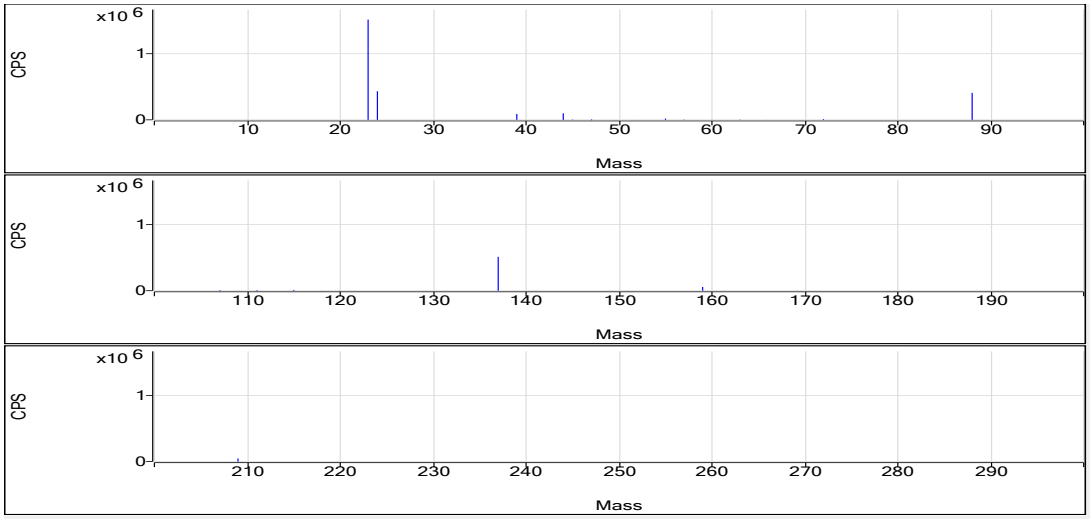


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.062	0.0004	76.00	0.0035	0.0001638
Be	9	1	No Gas	0.065	0.0004	78.00	0.0035	0.0001638
Be	9	1	No Gas	0.054	0.0003	70.00	0.0035	0.0001638
Se	78	2	H2	0.008	0.0001	3.33	0.0035	8.664E-05
Se	78	2	H2	-0.005	0.0001	2.00	0.0035	8.664E-05
Se	78	2	H2	-0.005	0.0001	2.00	0.0035	8.664E-05
Na	23	3	He	13799.566	299.5152	1530846.38	0.0216	0.8064
Na	23	3	He	13421.466	291.3308	1512324.35	0.0216	0.8064
Na	23	3	He	14750.027	320.0891	1514325.76	0.0216	0.8064
Mg	24	3	He	7832.372	85.4123	436549.10	0.0109	0.1054
Mg	24	3	He	7631.166	83.2208	432006.87	0.0109	0.1054
Mg	24	3	He	8328.987	90.8212	429670.66	0.0109	0.1054
Al	27	3	He	0.715	0.0117	60.00	0.0037	0.009095
Al	27	3	He	1.187	0.0135	70.00	0.0037	0.009095
Al	27	3	He	4.402	0.0254	120.01	0.0037	0.009095
K	39	3	He	1621.55	17.3029	88436.67	0.0099	1.328
K	39	3	He	1596.842	17.0595	88557.52	0.0099	1.328
K	39	3	He	1753.21	18.6	87995.47	0.0099	1.328
Ca	44	3	He	34259.867	7.5082	98864.27	0.0002	0.004867
Ca	44	3	He	34678.119	7.5998	97777.29	0.0002	0.004867
Ca	44	3	He	36997.619	8.1078	98321.13	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0.442	0.0009	10.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	-0.015	0.038	194.00	0.1638	0.04039
V	51	3	He	-0.042	0.0335	174.00	0.1638	0.04039
V	51	3	He	-0.022	0.0368	174.00	0.1638	0.04039
Cr	52	3	He	-0.183	0.0646	660.04	0.1041	0.08357
Cr	52	3	He	-0.162	0.0667	740.04	0.1041	0.08357
Cr	52	3	He	-0.233	0.0593	610.03	0.1041	0.08357
Mn	55	3	He	37.359	1.9086	19513.72	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	34.877	1.7823	19774.27	0.0509	0.00756
Mn	55	3	He	35.287	1.8032	18562.41	0.0509	0.00756
Fe	57	3	He	187.118	0.7984	4080.69	0.0041	0.02373
Fe	57	3	He	170.184	0.7283	3780.63	0.0041	0.02373
Fe	57	3	He	198.529	0.8456	4000.69	0.0041	0.02373
Co	59	3	He	0.004	0.0108	110.00	0.1966	0.009981
Co	59	3	He	-0.005	0.009	100.00	0.1966	0.009981
Co	59	3	He	0.013	0.0126	130.01	0.1966	0.009981
Ni	60	3	He	-0.083	0.0152	200.01	0.0432	0.01878
Ni	60	3	He	-0.003	0.0187	240.01	0.0432	0.01878
Ni	60	3	He	0.024	0.0198	240.01	0.0432	0.01878
Cu	63	3	He	2.408	0.3061	4030.73	0.1222	0.01194
Cu	63	3	He	2.39	0.304	3910.66	0.1222	0.01194
Cu	63	3	He	2.495	0.3167	3840.64	0.1222	0.01194
Zn	66	3	He	4.68	0.0775	1020.07	0.0159	0.002839
Zn	66	3	He	4.746	0.0785	1010.08	0.0159	0.002839
Zn	66	3	He	4.994	0.0825	1000.07	0.0159	0.002839
As	75	3	He	0.065	0.0018	24.00	0.0132	0.0009658
As	75	3	He	0.056	0.0017	22.00	0.0132	0.0009658
As	75	3	He	0.077	0.002	24.00	0.0132	0.0009658
Sr	88	3	He	466.153	40.2709	411728.74	0.0864	0.005458
Sr	88	3	He	427.807	36.9587	410045.78	0.0864	0.005458
Sr	88	3	He	453.88	39.2108	403637.53	0.0864	0.005458
Mo	98	3	He	0.166	0.007	390.02	0.0303	0.001942
Mo	98	3	He	0.173	0.0072	400.02	0.0303	0.001942
Mo	98	3	He	0.202	0.0081	460.02	0.0303	0.001942
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.0009	10.00	0.3501	0.002425
Ag	107	3	He	-0.007	0	0.00	0.3501	0.002425
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.006	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Sn	120	3	He	-0.156	0.0317	1770.17	0.0284	0.03615
Sn	120	3	He	-0.135	0.0323	1800.19	0.0284	0.03615
Sn	120	3	He	-0.18	0.031	1770.17	0.0284	0.03615
Sb	121	3	He	-0.003	0.0007	40.00	0.0262	0.000803
Sb	121	3	He	0.004	0.0009	50.00	0.0262	0.000803
Sb	121	3	He	0.016	0.0012	70.00	0.0262	0.000803
Ba	137	3	He	938.09	9.2191	514762.14	0.0098	0.0007342
Ba	137	3	He	935.777	9.1964	512379.72	0.0098	0.0007342
Ba	137	3	He	914.188	8.9842	512654.84	0.0098	0.0007342
Tl	205	3	He	-0.006	0.0016	90.00	0.1945	0.002744
Tl	205	3	He	0	0.0027	150.01	0.1945	0.002744
Tl	205	3	He	-0.003	0.0021	120.00	0.1945	0.002744
Pb	208	3	He	0.046	0.0184	470.03	0.2651	0.006358
Pb	208	3	He	0.04	0.0169	520.03	0.2651	0.006358
Pb	208	3	He	0.039	0.0168	510.03	0.2651	0.006358
U	238	3	He	-0.001	0.0004	20.00	0.3022	0.0005338
U	238	3	He	0.002	0.0013	70.00	0.3022	0.0005338
U	238	3	He	0.002	0.0011	60.00	0.3022	0.0005338
Sc	45	1	No Gas			201111.15		
Sc	45	1	No Gas			200183.02		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			200142.16		
Ge	72	1	No Gas			128059.78		
Ge	72	1	No Gas			127393.88		
Ge	72	1	No Gas			128938.70		
Sc	45	2	H2			36055.51		
Sc	45	2	H2			36948.29		
Sc	45	2	H2			36356.12		
Ge	72	2	H2			28899.98		
Ge	72	2	H2			29000.18		
Ge	72	2	H2			28689.74		
In	115	2	H2			67705.70		
In	115	2	H2			68650.08		
In	115	2	H2			68047.03		
Sc	45	3	He			5111.08		
Sc	45	3	He			5191.09		
Sc	45	3	He			4730.95		
Ge	72	3	He			10223.97		
Ge	72	3	He			11094.70		
Ge	72	3	He			10294.04		
In	115	3	He			13176.62		
In	115	3	He			12876.44		
In	115	3	He			12135.76		
Tb	159	3	He			55836.45		
Tb	159	3	He			55715.37		
Tb	159	3	He			57061.66		
Bi	209	3	He			46724.27		
Bi	209	3	He			47677.55		
Bi	209	3	He			47346.76		

Quantitation Report

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Sample Type	Sample
Comment	A29
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

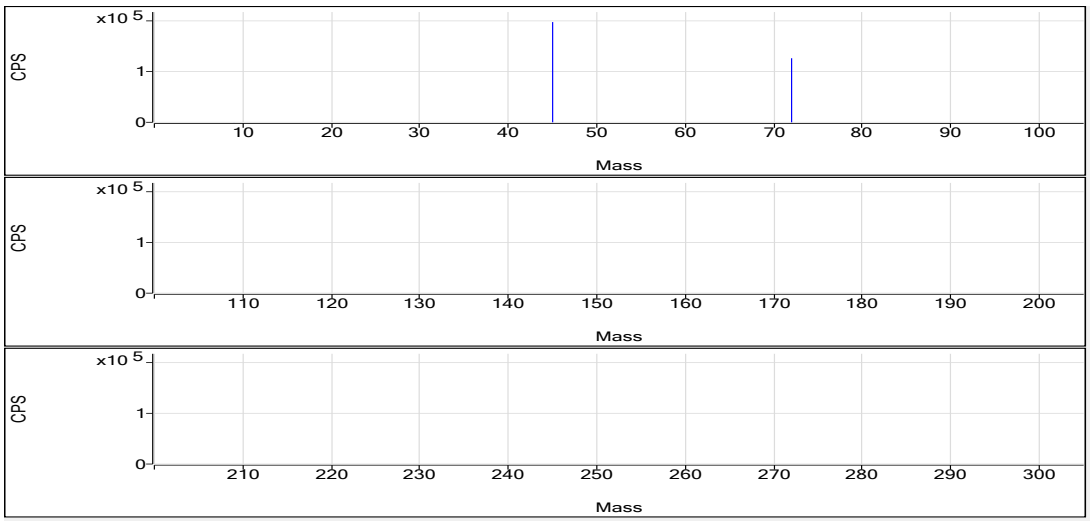
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.065	ppb	15.1	77.33	0.0004	Pulse	0.5000	3
Se	78	72	H2	-0.002	ppb	N/A	2.22	0.0001	Pulse	1.5000	3
Na	23	45	He	29131.162	ppb	2.6	3158062.56	631.3868	Pulse	0.1000	3
Mg	24	45	He	9274.171	ppb	2.2	505789.85	101.1158	Pulse	0.1000	3
Al	27	45	He	1.513	ppb	78.0	73.33	0.0147	Pulse	0.1000	3
K	39	45	He	1821.363	ppb	2.4	96397.35	19.2714	Pulse	0.1000	3
Ca	44	115	He	41692.955	ppb	1.4	113043.43	9.1361	Pulse	0.1000	3
Ti	47	72	He	0.167	ppb	173.2	3.33	0.0003	Pulse	0.1000	3
V	51	45	He	-0.006	ppb	N/A	196.67	0.0393	Pulse	0.5000	3
Cr	52	72	He	-0.149	ppb	N/A	686.71	0.0680	Pulse	0.1000	3
Mn	55	72	He	316.059	ppb	4.0	162842.67	16.0908	Pulse	0.1000	3
Fe	57	45	He	262.388	ppb	9.1	5551.23	1.1100	Pulse	0.1000	3
Co	59	72	He	0.100	ppb	9.9	300.01	0.0296	Pulse	0.1000	3
Ni	60	115	He	0.076	ppb	134.7	273.35	0.0220	Pulse	0.1000	3
Cu	63	115	He	0.253	ppb	29.5	530.03	0.0428	Pulse	0.1000	3
Zn	66	115	He	1.005	ppb	7.2	233.34	0.0189	Pulse	0.1000	3
As	75	115	He	0.660	ppb	6.2	120.00	0.0097	Pulse	0.5000	3
Sr	88	72	He	414.700	ppb	3.2	362615.15	35.8265	Pulse	0.1000	3
Mo	98	159	He	0.262	ppb	18.5	550.03	0.0099	Pulse	0.1000	3
Ag	107	72	He	0.000	ppb	N/A	23.33	0.0023	Pulse	0.1000	3
Cd	111	72	He	0.007	ppb	210.9	4.00	0.0004	Pulse	0.5000	3
Sn	120	159	He	0.082	ppb	119.5	2143.58	0.0385	Pulse	0.1000	3
Sb	121	159	He	-0.001	ppb	N/A	43.33	0.0008	Pulse	0.1000	3
Ba	137	159	He	405.658	ppb	1.2	221953.36	3.9870	Pulse	0.1000	3
Tl	205	159	He	-0.002	ppb	N/A	126.67	0.0023	Pulse	0.1000	3
Pb	208	159	He	0.216	ppb	3.4	3540.32	0.0636	Pulse	0.1000	3
U	238	159	He	0.051	ppb	2.8	893.40	0.0160	Pulse	0.1000	3

ISTD Table:

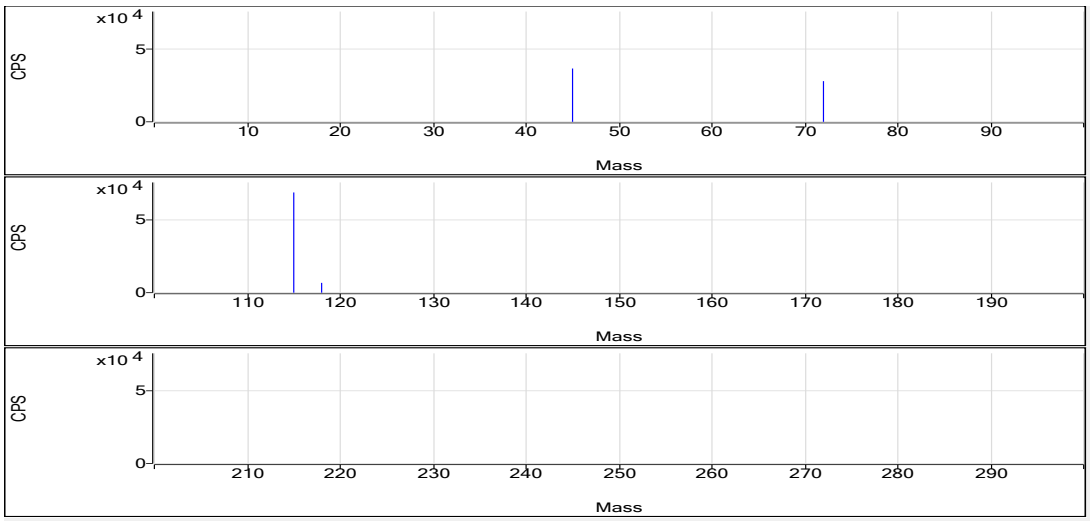
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	197956.82	0.4	108.0	Pulse	0.1000	3
No Gas	Ge	72	126522.99	0.6	113.0	Pulse	0.1000	3
H2	Sc	45	36460.04	0.9	107.5	Pulse	0.1000	3
H2	Ge	72	27827.91	1.1	107.6	Pulse	0.1000	3
H2	In	115	68556.53	1.4	107.2	Pulse	0.1000	3
He	Sc	45	5004.35	3.2	105.3	Pulse	0.1000	3
He	Ge	72	10127.28	2.8	104.1	Pulse	0.1000	3
He	In	115	12375.50	2.0	105.7	Pulse	0.1000	3
He	Tb	159	55668.64	0.8	111.6	Pulse	0.1000	3
He	Bi	209	46339.43	3.0	113.3	Pulse	0.1000	3

No Gas

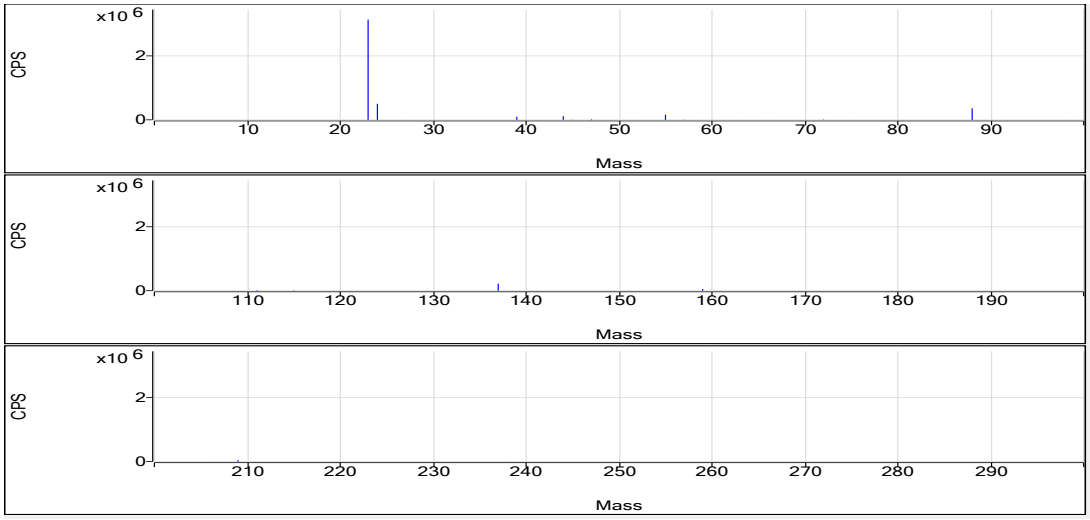


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.067	0.0004	78.00	0.0035	0.0001638
Be	9	1	No Gas	0.074	0.0004	84.00	0.0035	0.0001638
Be	9	1	No Gas	0.055	0.0004	70.00	0.0035	0.0001638
Se	78	2	H2	-0.011	0	1.33	0.0035	8.664E-05
Se	78	2	H2	0.002	0.0001	2.67	0.0035	8.664E-05
Se	78	2	H2	0.003	0.0001	2.67	0.0035	8.664E-05
Na	23	3	He	29417.032	637.5748	3194899.95	0.0216	0.8064
Na	23	3	He	29697.536	643.6466	3115861.20	0.0216	0.8064
Na	23	3	He	28278.917	612.9389	3163426.52	0.0216	0.8064
Mg	24	3	He	9330.525	101.7295	509768.78	0.0109	0.1054
Mg	24	3	He	9444.642	102.9725	498484.56	0.0109	0.1054
Mg	24	3	He	9047.346	98.6453	509116.20	0.0109	0.1054
Al	27	3	He	0.239	0.01	50.00	0.0037	0.009095
Al	27	3	He	2.569	0.0186	90.00	0.0037	0.009095
Al	27	3	He	1.733	0.0155	80.00	0.0037	0.009095
K	39	3	He	1836.035	19.4159	97293.44	0.0099	1.328
K	39	3	He	1855.672	19.6094	94927.90	0.0099	1.328
K	39	3	He	1772.383	18.7888	96970.72	0.0099	1.328
Ca	44	3	He	41306.98	9.0516	113097.26	0.0002	0.004867
Ca	44	3	He	42340.05	9.2778	112129.07	0.0002	0.004867
Ca	44	3	He	41431.836	9.0789	113903.95	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0.501	0.001	10.00	0.002	0
V	51	3	He	-0.015	0.0379	190.00	0.1638	0.04039
V	51	3	He	0.011	0.0421	204.00	0.1638	0.04039
V	51	3	He	-0.015	0.038	196.00	0.1638	0.04039
Cr	52	3	He	-0.07	0.0763	780.05	0.1041	0.08357
Cr	52	3	He	-0.329	0.0493	510.03	0.1041	0.08357
Cr	52	3	He	-0.048	0.0785	770.05	0.1041	0.08357
Mn	55	3	He	317.509	16.1645	165265.58	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	302.808	15.4165	159623.83	0.0509	0.00756
Mn	55	3	He	327.862	16.6914	163638.59	0.0509	0.00756
Fe	57	3	He	287.895	1.2156	6091.48	0.0041	0.02373
Fe	57	3	He	258.775	1.0951	5301.12	0.0041	0.02373
Fe	57	3	He	240.495	1.0194	5261.10	0.0041	0.02373
Co	59	3	He	0.089	0.0274	280.01	0.1966	0.009981
Co	59	3	He	0.106	0.0309	320.01	0.1966	0.009981
Co	59	3	He	0.105	0.0306	300.01	0.1966	0.009981
Ni	60	3	He	0.029	0.02	250.01	0.0432	0.01878
Ni	60	3	He	0.006	0.019	230.01	0.0432	0.01878
Ni	60	3	He	0.193	0.0271	340.02	0.0432	0.01878
Cu	63	3	He	0.177	0.0336	420.02	0.1222	0.01194
Cu	63	3	He	0.254	0.043	520.02	0.1222	0.01194
Cu	63	3	He	0.326	0.0518	650.04	0.1222	0.01194
Zn	66	3	He	0.926	0.0176	220.01	0.0159	0.002839
Zn	66	3	He	1.067	0.0199	240.01	0.0159	0.002839
Zn	66	3	He	1.022	0.0191	240.01	0.0159	0.002839
As	75	3	He	0.616	0.0091	114.00	0.0132	0.0009658
As	75	3	He	0.665	0.0098	118.00	0.0132	0.0009658
As	75	3	He	0.698	0.0102	128.00	0.0132	0.0009658
Sr	88	3	He	414.352	35.7965	365981.60	0.0864	0.005458
Sr	88	3	He	401.712	34.7047	359336.21	0.0864	0.005458
Sr	88	3	He	428.035	36.9784	362527.65	0.0864	0.005458
Mo	98	3	He	0.318	0.0116	640.04	0.0303	0.001942
Mo	98	3	He	0.238	0.0092	510.03	0.0303	0.001942
Mo	98	3	He	0.23	0.0089	500.03	0.0303	0.001942
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Ag	107	3	He	0.004	0.0039	40.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Cd	111	3	He	0.024	0.0012	12.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Sn	120	3	He	0.014	0.0365	2020.22	0.0284	0.03615
Sn	120	3	He	0.038	0.0372	2070.23	0.0284	0.03615
Sn	120	3	He	0.195	0.0417	2340.28	0.0284	0.03615
Sb	121	3	He	0.004	0.0009	50.00	0.0262	0.000803
Sb	121	3	He	-0.01	0.0005	30.00	0.0262	0.000803
Sb	121	3	He	0.003	0.0009	50.00	0.0262	0.000803
Ba	137	3	He	408.629	4.0162	221992.15	0.0098	0.0007342
Ba	137	3	He	400.158	3.933	218733.41	0.0098	0.0007342
Ba	137	3	He	408.187	4.0119	225134.53	0.0098	0.0007342
Tl	205	3	He	0.001	0.0029	160.01	0.1945	0.002744
Tl	205	3	He	-0.009	0.0011	60.00	0.1945	0.002744
Tl	205	3	He	0.001	0.0029	160.01	0.1945	0.002744
Pb	208	3	He	0.223	0.0655	1980.21	0.2651	0.006358
Pb	208	3	He	0.216	0.0637	1940.20	0.2651	0.006358
Pb	208	3	He	0.209	0.0617	1940.24	0.2651	0.006358
U	238	3	He	0.05	0.0156	860.07	0.3022	0.0005338
U	238	3	He	0.052	0.0164	910.07	0.3022	0.0005338
U	238	3	He	0.052	0.0162	910.06	0.3022	0.0005338
Sc	45	1	No Gas			197493.98		
Sc	45	1	No Gas			198892.56		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			197483.92		
Ge	72	1	No Gas			126111.98		
Ge	72	1	No Gas			127454.50		
Ge	72	1	No Gas			126002.50		
Sc	45	2	H2			36847.21		
Sc	45	2	H2			36196.18		
Sc	45	2	H2			36336.74		
Ge	72	2	H2			27487.44		
Ge	72	2	H2			28098.55		
Ge	72	2	H2			27897.75		
In	115	2	H2			69564.81		
In	115	2	H2			68399.36		
In	115	2	H2			67705.42		
Sc	45	3	He			5011.02		
Sc	45	3	He			4840.95		
Sc	45	3	He			5161.08		
Ge	72	3	He			10223.96		
Ge	72	3	He			10354.12		
Ge	72	3	He			9803.77		
In	115	3	He			12505.93		
In	115	3	He			12095.63		
In	115	3	He			12556.06		
Tb	159	3	He			55273.84		
Tb	159	3	He			55615.12		
Tb	159	3	He			56116.96		
Bi	209	3	He			45590.35		
Bi	209	3	He			45459.72		
Bi	209	3	He			47968.21		

Quantitation Report

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Sample Type	CCV
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

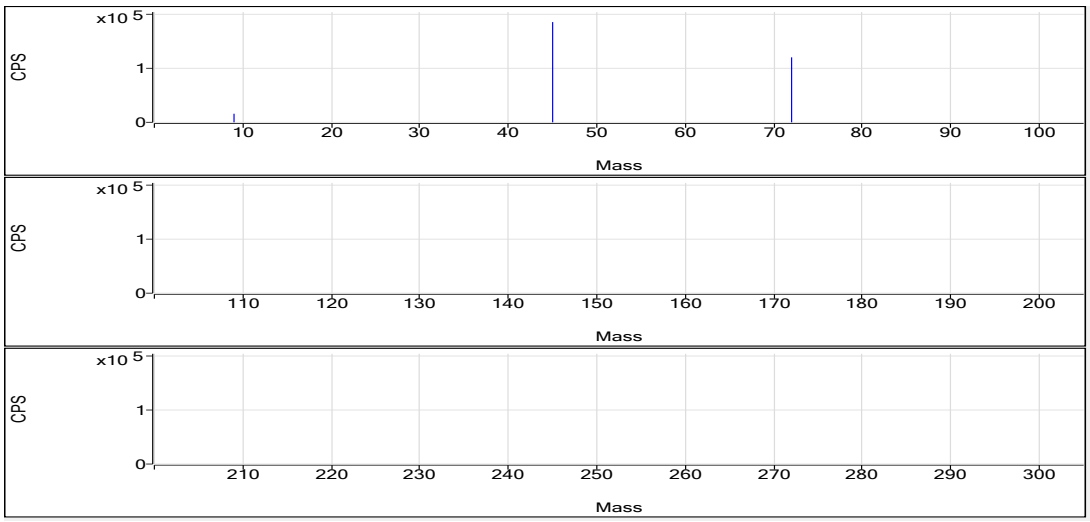
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	24.517	ppb	0.2	15845.75	0.0854	Pulse	0.5000	3
Se	78	72	H2	25.248	ppb	1.5	2401.54	0.0892	Pulse	1.5000	3
Na	23	45	He	2296.732	ppb	4.5	259093.00	50.5220	Pulse	0.1000	3
Mg	24	45	He	2335.215	ppb	5.1	130950.52	25.5396	Pulse	0.1000	3
Al	27	45	He	2291.565	ppb	3.3	43505.07	8.4807	Pulse	0.1000	3
K	39	45	He	2327.231	ppb	3.3	124429.62	24.2548	Pulse	0.1000	3
Ca	44	115	He	2465.124	ppb	3.3	6681.78	0.5448	Pulse	0.1000	3
Ti	47	72	He	2350.666	ppb	2.7	48354.55	4.7905	Pulse	0.1000	3
V	51	45	He	234.320	ppb	4.1	197093.76	38.4288	Pulse	0.5000	3
Cr	52	72	He	234.354	ppb	1.8	247177.97	24.4852	Pulse	0.1000	3
Mn	55	72	He	237.640	ppb	3.2	122129.39	12.1003	Pulse	0.1000	3
Fe	57	45	He	2358.643	ppb	6.2	50174.76	9.7885	Pulse	0.1000	3
Co	59	72	He	234.578	ppb	1.5	465789.58	46.1393	Pulse	0.1000	3
Ni	60	115	He	239.383	ppb	2.2	126975.76	10.3499	Pulse	0.1000	3
Cu	63	115	He	242.353	ppb	3.1	363298.12	29.6181	Pulse	0.1000	3
Zn	66	115	He	245.511	ppb	1.3	48071.31	3.9176	Pulse	0.1000	3
As	75	115	He	243.565	ppb	4.2	39553.16	3.2252	Pulse	0.5000	3
Sr	88	72	He	23.532	ppb	6.0	20565.58	2.0382	Pulse	0.1000	3
Mo	98	159	He	24.337	ppb	2.9	40729.72	0.7401	Pulse	0.1000	3
Ag	107	72	He	24.675	ppb	1.3	87249.16	8.6423	Pulse	0.1000	3
Cd	111	72	He	23.976	ppb	1.2	10991.70	1.0888	Pulse	0.5000	3
Sn	120	159	He	24.873	ppb	4.1	40891.00	0.7432	Pulse	0.1000	3
Sb	121	159	He	23.660	ppb	3.3	34092.80	0.6195	Pulse	0.1000	3
Ba	137	159	He	242.843	ppb	3.1	131356.08	2.3871	Pulse	0.1000	3
Tl	205	159	He	24.992	ppb	0.5	267750.60	4.8634	Pulse	0.1000	3
Pb	208	159	He	24.856	ppb	1.1	363146.86	6.5965	Pulse	0.1000	3
U	238	159	He	24.805	ppb	1.3	412678.12	7.4957	Pulse	0.1000	3

ISTD Table:

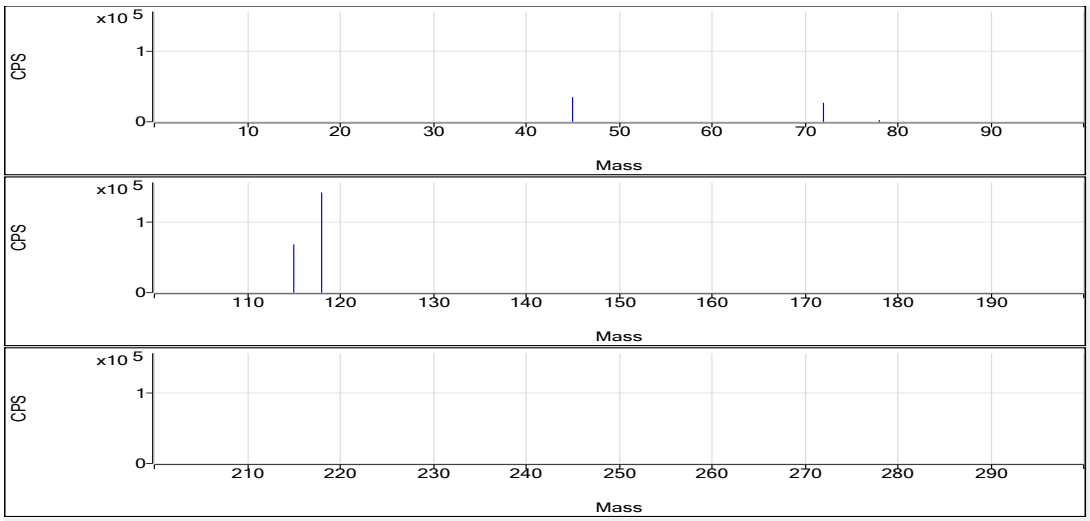
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	185613.98	0.8	101.3	Pulse	0.1000	3
No Gas	Ge	72	120290.22	1.7	107.4	Pulse	0.1000	3
H2	Sc	45	34899.55	2.7	102.9	Pulse	0.1000	3
H2	Ge	72	26919.49	1.7	104.1	Pulse	0.1000	3
H2	In	115	68218.20	1.2	106.7	Pulse	0.1000	3
He	Sc	45	5134.45	4.1	108.0	Pulse	0.1000	3
He	Ge	72	10097.23	1.9	103.8	Pulse	0.1000	3
He	In	115	12273.55	2.9	104.8	Pulse	0.1000	3
He	Tb	159	55056.26	2.5	110.4	Pulse	0.1000	3
He	Bi	209	45456.64	2.9	111.2	Pulse	0.1000	3

No Gas

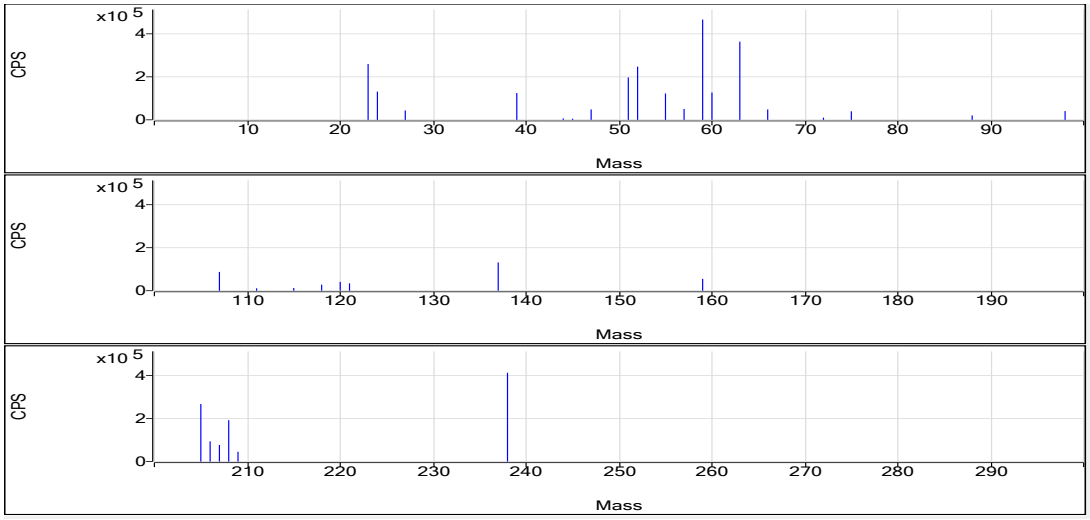


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	24.467	0.0852	15724.31	0.0035	0.0001638
Be	9	1	No Gas	24.571	0.0856	15830.39	0.0035	0.0001638
Be	9	1	No Gas	24.512	0.0854	15982.56	0.0035	0.0001638
Se	78	2	H2	25.067	0.0886	2375.54	0.0035	8.664E-05
Se	78	2	H2	24.983	0.0883	2421.54	0.0035	8.664E-05
Se	78	2	H2	25.694	0.0908	2407.54	0.0035	8.664E-05
Na	23	3	He	2386.327	52.4614	260789.45	0.0216	0.8064
Na	23	3	He	2319.699	51.0192	258212.67	0.0216	0.8064
Na	23	3	He	2184.171	48.0855	258276.89	0.0216	0.8064
Mg	24	3	He	2436.65	26.6444	132450.96	0.0109	0.1054
Mg	24	3	He	2365.302	25.8673	130916.59	0.0109	0.1054
Mg	24	3	He	2203.693	24.1071	129484.01	0.0109	0.1054
Al	27	3	He	2335.926	8.6447	42973.22	0.0037	0.009095
Al	27	3	He	2335.092	8.6416	43735.81	0.0037	0.009095
Al	27	3	He	2203.676	8.1558	43806.19	0.0037	0.009095
K	39	3	He	2378.312	24.7581	123074.07	0.0099	1.328
K	39	3	He	2365.196	24.6289	124648.85	0.0099	1.328
K	39	3	He	2238.186	23.3776	125565.93	0.0099	1.328
Ca	44	3	He	2435.667	0.5383	6701.84	0.0002	0.004867
Ca	44	3	He	2558.386	0.5652	6701.79	0.0002	0.004867
Ca	44	3	He	2401.318	0.5308	6641.70	0.0002	0.004867
Ti	47	3	He	2406.015	4.9033	48511.67	0.002	0
Ti	47	3	He	2365.433	4.8206	48802.82	0.002	0
Ti	47	3	He	2280.551	4.6476	47749.17	0.002	0
V	51	3	He	240.71	39.4757	196236.34	0.1638	0.04039
V	51	3	He	238.891	39.1776	198281.33	0.1638	0.04039
V	51	3	He	223.359	36.6331	196763.63	0.1638	0.04039
Cr	52	3	He	238.967	24.9656	247004.16	0.1041	0.08357
Cr	52	3	He	233.199	24.365	246669.27	0.1041	0.08357
Cr	52	3	He	230.894	24.125	247860.47	0.1041	0.08357
Mn	55	3	He	245.764	12.5137	123807.32	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	236.765	12.0558	122051.34	0.0509	0.00756
Mn	55	3	He	230.393	11.7315	120529.51	0.0509	0.00756
Fe	57	3	He	2456.825	10.195	50680.12	0.0041	0.02373
Fe	57	3	He	2428.323	10.077	51000.68	0.0041	0.02373
Fe	57	3	He	2190.781	9.0936	48843.48	0.0041	0.02373
Co	59	3	He	238.582	46.9267	464281.95	0.1966	0.009981
Co	59	3	He	233.533	45.9339	465030.50	0.1966	0.009981
Co	59	3	He	231.618	45.5573	468056.28	0.1966	0.009981
Ni	60	3	He	236.748	10.2362	127438.96	0.0432	0.01878
Ni	60	3	He	245.361	10.6079	125785.57	0.0432	0.01878
Ni	60	3	He	236.04	10.2056	127702.75	0.0432	0.01878
Cu	63	3	He	237.947	29.0799	362040.66	0.1222	0.01194
Cu	63	3	He	251.081	30.6843	363847.14	0.1222	0.01194
Cu	63	3	He	238.031	29.0902	364006.56	0.1222	0.01194
Zn	66	3	He	242.779	3.8741	48231.63	0.0159	0.002839
Zn	66	3	He	249.181	3.9762	47148.21	0.0159	0.002839
Zn	66	3	He	244.572	3.9027	48834.08	0.0159	0.002839
As	75	3	He	241.757	3.2013	39855.40	0.0132	0.0009658
As	75	3	He	254.637	3.3718	39981.62	0.0132	0.0009658
As	75	3	He	234.3	3.1026	38822.47	0.0132	0.0009658
Sr	88	3	He	25.15	2.1778	21547.12	0.0864	0.005458
Sr	88	3	He	22.698	1.9661	19904.73	0.0864	0.005458
Sr	88	3	He	22.749	1.9705	20244.90	0.0864	0.005458
Mo	98	3	He	25.126	0.7641	40829.94	0.0303	0.001942
Mo	98	3	He	23.817	0.7244	40438.99	0.0303	0.001942
Mo	98	3	He	24.067	0.7319	40920.22	0.0303	0.001942
Ag	107	3	He	25.003	8.757	86639.26	0.3501	0.002425
Ag	107	3	He	24.647	8.6324	87393.54	0.3501	0.002425
Ag	107	3	He	24.376	8.5375	87714.68	0.3501	0.002425
Cd	111	3	He	24.284	1.1027	10910.32	0.0454	6.986E-05
Cd	111	3	He	23.954	1.0878	11012.37	0.0454	6.986E-05
Cd	111	3	He	23.69	1.0758	11052.41	0.0454	6.986E-05
Sn	120	3	He	26.044	0.7765	41492.71	0.0284	0.03615
Sn	120	3	He	24.218	0.7246	40449.56	0.0284	0.03615
Sn	120	3	He	24.358	0.7286	40730.73	0.0284	0.03615
Sb	121	3	He	24.431	0.6397	34182.85	0.0262	0.000803
Sb	121	3	He	22.849	0.5983	33401.31	0.0262	0.000803
Sb	121	3	He	23.7	0.6206	34694.23	0.0262	0.000803
Ba	137	3	He	251.365	2.4708	132033.56	0.0098	0.0007342
Ba	137	3	He	239.367	2.3529	131355.14	0.0098	0.0007342
Ba	137	3	He	237.796	2.3375	130679.55	0.0098	0.0007342
Tl	205	3	He	25.075	4.8796	260753.16	0.1945	0.002744
Tl	205	3	He	24.85	4.8359	269970.27	0.1945	0.002744
Tl	205	3	He	25.05	4.8748	272528.37	0.1945	0.002744
Pb	208	3	He	25.016	6.639	186957.52	0.2651	0.006358
Pb	208	3	He	24.543	6.5137	192318.36	0.2651	0.006358
Pb	208	3	He	25.008	6.6368	197279.00	0.2651	0.006358
U	238	3	He	24.842	7.5069	401145.23	0.3022	0.0005338
U	238	3	He	24.465	7.3931	412727.22	0.3022	0.0005338
U	238	3	He	25.107	7.5871	424161.91	0.3022	0.0005338
Sc	45	1	No Gas			184567.79		
Sc	45	1	No Gas			185024.22		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			187249.94		
Ge	72	1	No Gas			119596.63		
Ge	72	1	No Gas			118671.40		
Ge	72	1	No Gas			122602.62		
Sc	45	2	H2			33900.35		
Sc	45	2	H2			35775.08		
Sc	45	2	H2			35023.21		
Ge	72	2	H2			26815.97		
Ge	72	2	H2			27427.27		
Ge	72	2	H2			26515.24		
In	115	2	H2			68609.77		
In	115	2	H2			67243.85		
In	115	2	H2			68800.99		
Sc	45	3	He			4971.07		
Sc	45	3	He			5061.09		
Sc	45	3	He			5371.20		
Ge	72	3	He			9893.77		
Ge	72	3	He			10123.91		
Ge	72	3	He			10274.01		
In	115	3	He			12666.16		
In	115	3	He			12085.68		
In	115	3	He			12726.34		
Tb	159	3	He			53436.86		
Tb	159	3	He			55826.07		
Tb	159	3	He			55905.85		
Bi	209	3	He			43974.72		
Bi	209	3	He			45821.50		
Bi	209	3	He			46573.69		

Quantitation Report

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Acq Time	6/12/2025 6:12:49 PM
Sample Name	CCB 7792565
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

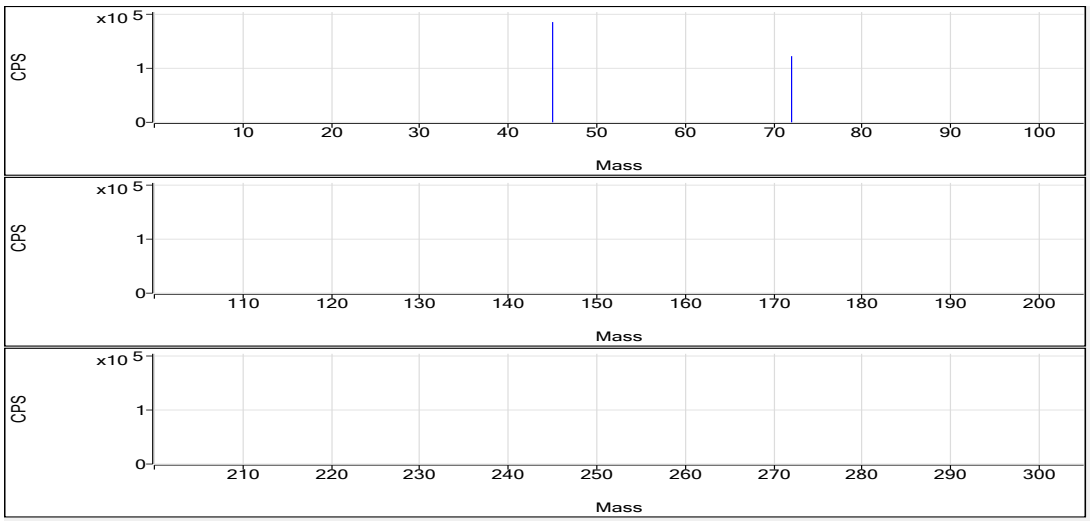
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.071	ppb	10.8	76.00	0.0004	Pulse	0.5000	3
Se	78	72	H2	0.012	ppb	248.7	3.56	0.0001	Pulse	1.5000	3
Na	23	45	He	-6.532	ppb	N/A	3303.80	0.6650	Pulse	0.1000	3
Mg	24	45	He	0.098	ppb	700.0	530.03	0.1065	Pulse	0.1000	3
Al	27	45	He	-0.258	ppb	N/A	40.00	0.0081	Pulse	0.1000	3
K	39	45	He	-14.584	ppb	N/A	5898.05	1.1848	Pulse	0.1000	3
Ca	44	115	He	-3.826	ppb	N/A	50.00	0.0040	Pulse	0.1000	3
Ti	47	72	He	1.005	ppb	101.2	20.00	0.0020	Pulse	0.1000	3
V	51	45	He	0.038	ppb	88.6	231.33	0.0466	Pulse	0.5000	3
Cr	52	72	He	-0.073	ppb	N/A	750.05	0.0759	Pulse	0.1000	3
Mn	55	72	He	0.216	ppb	7.5	183.34	0.0186	Pulse	0.1000	3
Fe	57	45	He	1.622	ppb	173.0	150.01	0.0304	Pulse	0.1000	3
Co	59	72	He	0.035	ppb	43.1	166.68	0.0169	Pulse	0.1000	3
Ni	60	115	He	-0.026	ppb	N/A	220.01	0.0176	Pulse	0.1000	3
Cu	63	115	He	-0.010	ppb	N/A	133.34	0.0107	Pulse	0.1000	3
Zn	66	115	He	0.141	ppb	103.9	63.33	0.0051	Pulse	0.1000	3
As	75	115	He	0.105	ppb	14.8	29.33	0.0024	Pulse	0.5000	3
Sr	88	72	He	-0.005	ppb	N/A	50.00	0.0051	Pulse	0.1000	3
Mo	98	159	He	0.026	ppb	76.3	146.67	0.0027	Pulse	0.1000	3
Ag	107	72	He	0.002	ppb	446.2	30.00	0.0030	Pulse	0.1000	3
Cd	111	72	He	0.003	ppb	150.9	2.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	0.091	ppb	78.2	2073.56	0.0387	Pulse	0.1000	3
Sb	121	159	He	0.047	ppb	111.2	110.01	0.0020	Pulse	0.1000	3
Ba	137	159	He	0.007	ppb	277.6	43.33	0.0008	Pulse	0.1000	3
Tl	205	159	He	0.000	ppb	N/A	143.34	0.0027	Pulse	0.1000	3
Pb	208	159	He	0.001	ppb	897.2	346.68	0.0065	Pulse	0.1000	3
U	238	159	He	0.003	ppb	18.1	83.33	0.0016	Pulse	0.1000	3

ISTD Table:

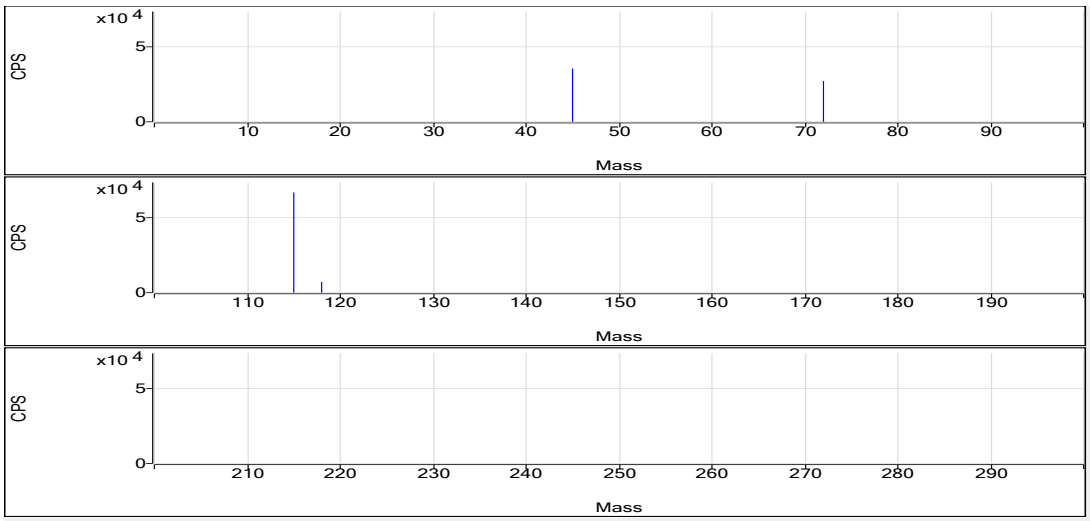
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	185015.27	1.2	101.0	Pulse	0.1000	3
No Gas	Ge	72	122088.45	1.5	109.0	Pulse	0.1000	3
H2	Sc	45	35497.47	1.5	104.7	Pulse	0.1000	3
H2	Ge	72	27123.28	1.8	104.9	Pulse	0.1000	3
H2	In	115	66747.58	0.9	104.4	Pulse	0.1000	3
He	Sc	45	4977.70	4.0	104.7	Pulse	0.1000	3
He	Ge	72	9870.43	1.9	101.4	Pulse	0.1000	3
He	In	115	12457.93	4.3	106.4	Pulse	0.1000	3
He	Tb	159	53533.76	2.2	107.3	Pulse	0.1000	3
He	Bi	209	46315.98	1.8	113.3	Pulse	0.1000	3

No Gas

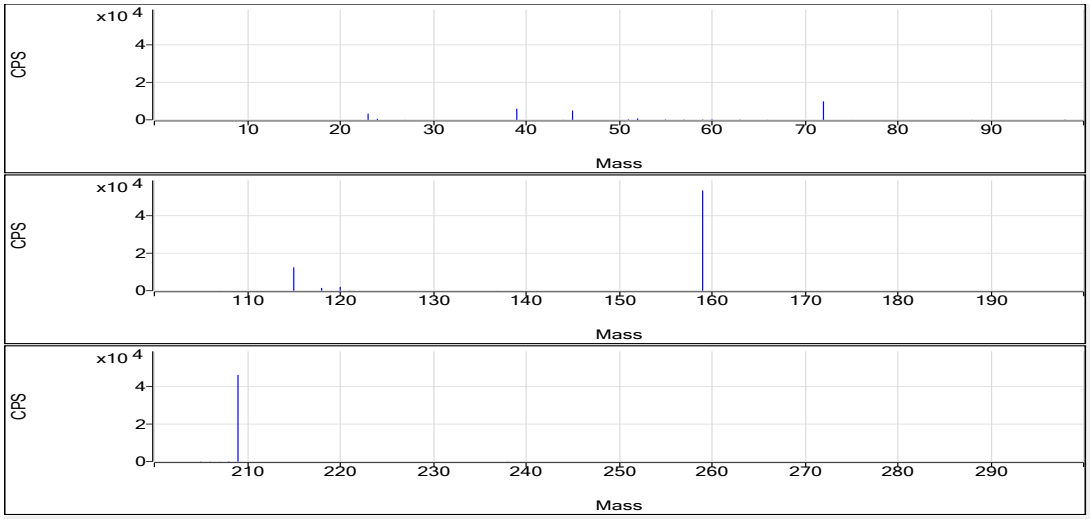


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.08	0.0004	82.00	0.0035	0.0001638
Be	9	1	No Gas	0.066	0.0004	72.00	0.0035	0.0001638
Be	9	1	No Gas	0.067	0.0004	74.00	0.0035	0.0001638
Se	78	2	H2	0.044	0.0002	6.67	0.0035	8.664E-05
Se	78	2	H2	0.011	0.0001	3.33	0.0035	8.664E-05
Se	78	2	H2	-0.018	0	0.67	0.0035	8.664E-05
Na	23	3	He	-9.36	0.6038	3140.44	0.0216	0.8064
Na	23	3	He	-5.979	0.677	3270.46	0.0216	0.8064
Na	23	3	He	-4.258	0.7142	3500.51	0.0216	0.8064
Mg	24	3	He	0.033	0.1058	550.03	0.0109	0.1054
Mg	24	3	He	-0.553	0.0994	480.03	0.0109	0.1054
Mg	24	3	He	0.815	0.1143	560.03	0.0109	0.1054
Al	27	3	He	-1.42	0.0038	20.00	0.0037	0.009095
Al	27	3	He	0.899	0.0124	60.00	0.0037	0.009095
Al	27	3	He	-0.253	0.0082	40.00	0.0037	0.009095
K	39	3	He	-12.452	1.2058	6271.52	0.0099	1.328
K	39	3	He	-7.697	1.2526	6051.45	0.0099	1.328
K	39	3	He	-23.603	1.0959	5371.19	0.0099	1.328
Ca	44	3	He	-8.156	0.0031	40.00	0.0002	0.004867
Ca	44	3	He	-3.078	0.0042	50.00	0.0002	0.004867
Ca	44	3	He	-0.245	0.0048	60.00	0.0002	0.004867
Ti	47	3	He	0.981	0.002	20.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	2.033	0.0041	40.00	0.002	0
V	51	3	He	0.005	0.0411	214.00	0.1638	0.04039
V	51	3	He	0.072	0.0522	252.00	0.1638	0.04039
V	51	3	He	0.037	0.0465	228.00	0.1638	0.04039
Cr	52	3	He	-0.063	0.077	770.05	0.1041	0.08357
Cr	52	3	He	-0.021	0.0814	810.05	0.1041	0.08357
Cr	52	3	He	-0.136	0.0694	670.05	0.1041	0.08357
Mn	55	3	He	0.225	0.019	190.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.227	0.0191	190.01	0.0509	0.00756
Mn	55	3	He	0.198	0.0176	170.01	0.0509	0.00756
Fe	57	3	He	-1.552	0.0173	90.00	0.0041	0.02373
Fe	57	3	He	3.769	0.0393	190.01	0.0041	0.02373
Fe	57	3	He	2.648	0.0347	170.01	0.0041	0.02373
Co	59	3	He	0.051	0.02	200.01	0.1966	0.009981
Co	59	3	He	0.021	0.0141	140.01	0.1966	0.009981
Co	59	3	He	0.034	0.0166	160.01	0.1966	0.009981
Ni	60	3	He	-0.06	0.0162	210.01	0.0432	0.01878
Ni	60	3	He	-0.085	0.0151	180.01	0.0432	0.01878
Ni	60	3	He	0.067	0.0217	270.01	0.0432	0.01878
Cu	63	3	He	-0.028	0.0085	110.01	0.1222	0.01194
Cu	63	3	He	-0.029	0.0084	100.00	0.1222	0.01194
Cu	63	3	He	0.027	0.0152	190.01	0.1222	0.01194
Zn	66	3	He	0.208	0.0062	80.00	0.0159	0.002839
Zn	66	3	He	0.243	0.0067	80.00	0.0159	0.002839
Zn	66	3	He	-0.027	0.0024	30.00	0.0159	0.002839
As	75	3	He	0.09	0.0022	28.00	0.0132	0.0009658
As	75	3	He	0.104	0.0023	28.00	0.0132	0.0009658
As	75	3	He	0.121	0.0026	32.00	0.0132	0.0009658
Sr	88	3	He	0.018	0.007	70.00	0.0864	0.005458
Sr	88	3	He	-0.017	0.004	40.00	0.0864	0.005458
Sr	88	3	He	-0.015	0.0041	40.00	0.0864	0.005458
Mo	98	3	He	0.005	0.0021	110.00	0.0303	0.001942
Mo	98	3	He	0.028	0.0028	150.01	0.0303	0.001942
Mo	98	3	He	0.045	0.0033	180.01	0.0303	0.001942
Ag	107	3	He	0.01	0.006	60.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Sn	120	3	He	0.076	0.0383	2000.21	0.0284	0.03615
Sn	120	3	He	0.168	0.0409	2210.24	0.0284	0.03615
Sn	120	3	He	0.028	0.037	2010.24	0.0284	0.03615
Sb	121	3	He	-0.001	0.0008	40.00	0.0262	0.000803
Sb	121	3	He	0.04	0.0019	100.01	0.0262	0.000803
Sb	121	3	He	0.103	0.0035	190.01	0.0262	0.000803
Ba	137	3	He	-0.016	0.0006	30.00	0.0098	0.0007342
Ba	137	3	He	0.02	0.0009	50.00	0.0098	0.0007342
Ba	137	3	He	0.019	0.0009	50.00	0.0098	0.0007342
Tl	205	3	He	-0.003	0.0021	110.00	0.1945	0.002744
Tl	205	3	He	0.003	0.0033	180.01	0.1945	0.002744
Tl	205	3	He	-0.001	0.0026	140.01	0.1945	0.002744
Pb	208	3	He	0.006	0.0079	230.01	0.2651	0.006358
Pb	208	3	He	-0.003	0.0056	140.01	0.2651	0.006358
Pb	208	3	He	-0.001	0.0061	200.01	0.2651	0.006358
U	238	3	He	0.003	0.0013	70.00	0.3022	0.0005338
U	238	3	He	0.004	0.0017	90.00	0.3022	0.0005338
U	238	3	He	0.004	0.0017	90.00	0.3022	0.0005338
Sc	45	1	No Gas			185763.86		
Sc	45	1	No Gas			182512.07		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			186769.88		
Ge	72	1	No Gas			121464.52		
Ge	72	1	No Gas			120646.38		
Ge	72	1	No Gas			124154.46		
Sc	45	2	H2			36105.92		
Sc	45	2	H2			35323.64		
Sc	45	2	H2			35062.85		
Ge	72	2	H2			27677.92		
Ge	72	2	H2			26725.72		
Ge	72	2	H2			26966.21		
In	115	2	H2			67463.90		
In	115	2	H2			66409.24		
In	115	2	H2			66369.61		
Sc	45	3	He			5201.14		
Sc	45	3	He			4830.96		
Sc	45	3	He			4900.99		
Ge	72	3	He			10003.88		
Ge	72	3	He			9953.79		
Ge	72	3	He			9653.63		
In	115	3	He			12996.62		
In	115	3	He			11935.48		
In	115	3	He			12476.07		
Tb	159	3	He			52202.27		
Tb	159	3	He			53998.64		
Tb	159	3	He			54400.37		
Bi	209	3	He			45670.45		
Bi	209	3	He			46051.83		
Bi	209	3	He			47225.67		

Quantitation Report

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Sample Type	Sample
Comment	MS-C11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

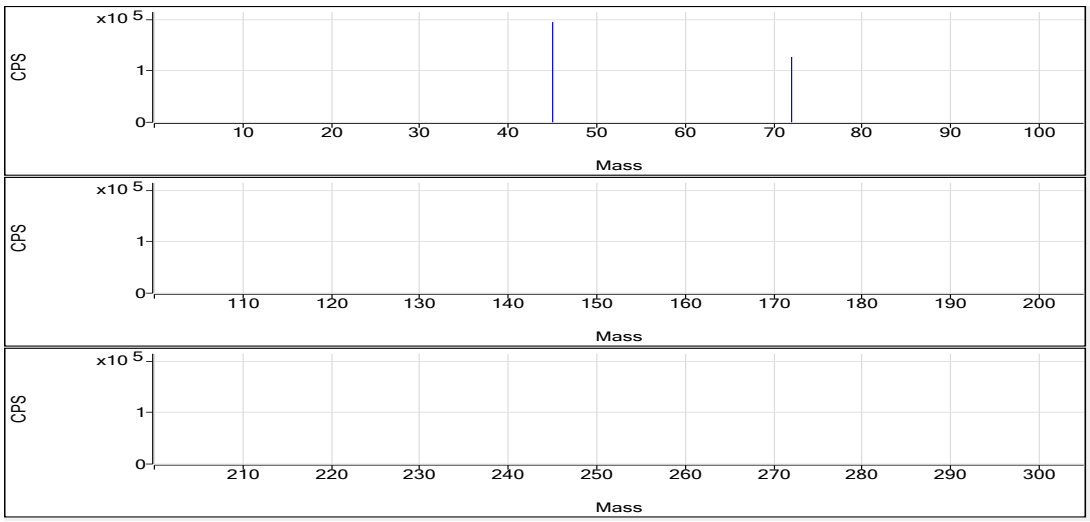
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.087	ppb	30.4	91.33	0.0005	Pulse	0.5000	3
Se	78	72	H2	0.009	ppb	147.4	3.33	0.0001	Pulse	1.5000	3
Na	23	45	He	565.728	ppb	4.4	67109.34	13.0523	Pulse	0.1000	3
Mg	24	45	He	62.896	ppb	10.9	4070.71	0.7904	Pulse	0.1000	3
Al	27	45	He	36.346	ppb	11.6	736.71	0.1435	Pulse	0.1000	3
K	39	45	He	3.616	ppb	519.8	6995.25	1.3641	Pulse	0.1000	3
Ca	44	115	He	310.018	ppb	14.2	913.39	0.0728	Pulse	0.1000	3
Ti	47	72	He	2.312	ppb	22.3	50.00	0.0047	Pulse	0.1000	3
V	51	45	He	0.069	ppb	61.8	265.33	0.0517	Pulse	0.5000	3
Cr	52	72	He	-0.202	ppb	N/A	666.71	0.0625	Pulse	0.1000	3
Mn	55	72	He	0.515	ppb	17.2	360.02	0.0338	Pulse	0.1000	3
Fe	57	45	He	16.125	ppb	20.4	466.69	0.0905	Pulse	0.1000	3
Co	59	72	He	0.012	ppb	220.5	130.01	0.0123	Pulse	0.1000	3
Ni	60	115	He	0.126	ppb	41.0	303.35	0.0242	Pulse	0.1000	3
Cu	63	115	He	0.223	ppb	13.3	490.03	0.0391	Pulse	0.1000	3
Zn	66	115	He	1.110	ppb	31.2	256.68	0.0205	Pulse	0.1000	3
As	75	115	He	0.080	ppb	31.2	25.33	0.0020	Pulse	0.5000	3
Sr	88	72	He	0.741	ppb	0.7	740.05	0.0695	Pulse	0.1000	3
Mo	98	159	He	-0.022	ppb	N/A	73.33	0.0013	Pulse	0.1000	3
Ag	107	72	He	-0.003	ppb	N/A	13.33	0.0013	Pulse	0.1000	3
Cd	111	72	He	0.001	ppb	193.5	1.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	0.874	ppb	28.4	3481.03	0.0610	Pulse	0.1000	3
Sb	121	159	He	0.106	ppb	34.4	203.34	0.0036	Pulse	0.1000	3
Ba	137	159	He	1.924	ppb	17.4	1120.09	0.0196	Pulse	0.1000	3
Tl	205	159	He	-0.003	ppb	N/A	120.00	0.0021	Pulse	0.1000	3
Pb	208	159	He	0.092	ppb	9.7	1760.12	0.0308	Pulse	0.1000	3
U	238	159	He	0.002	ppb	58.0	60.00	0.0011	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	195404.36	1.8	106.6	Pulse	0.1000	3
No Gas	Ge	72	127437.36	1.1	113.8	Pulse	0.1000	3
H2	Sc	45	36386.54	3.0	107.3	Pulse	0.1000	3
H2	Ge	72	28185.10	1.4	109.0	Pulse	0.1000	3
H2	In	115	69893.45	2.5	109.3	Pulse	0.1000	3
He	Sc	45	5147.76	4.4	108.3	Pulse	0.1000	3
He	Ge	72	10647.64	2.3	109.4	Pulse	0.1000	3
He	In	115	12533.76	1.9	107.0	Pulse	0.1000	3
He	Tb	159	57041.13	0.6	114.3	Pulse	0.1000	3
He	Bi	209	48885.30	2.2	119.6	Pulse	0.1000	3

No Gas



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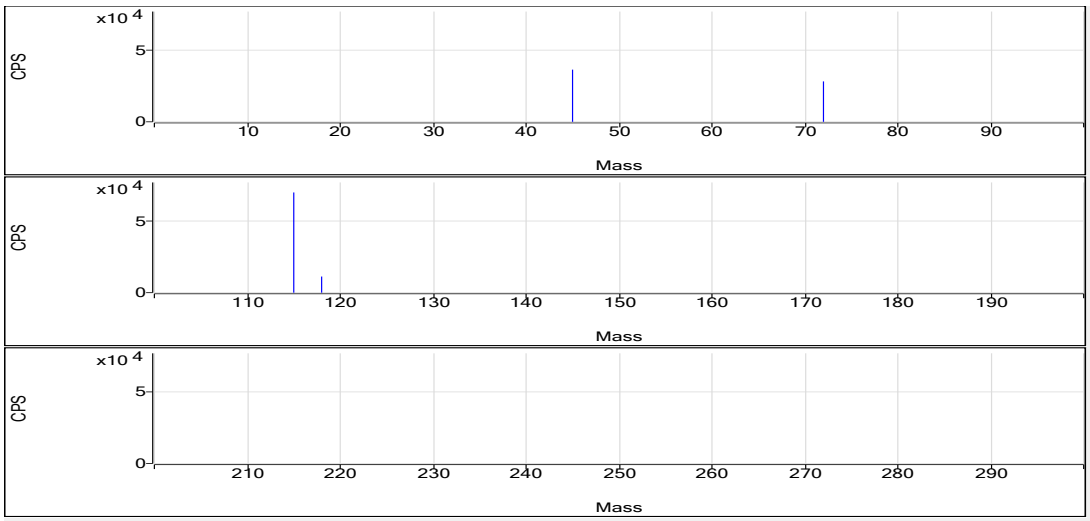
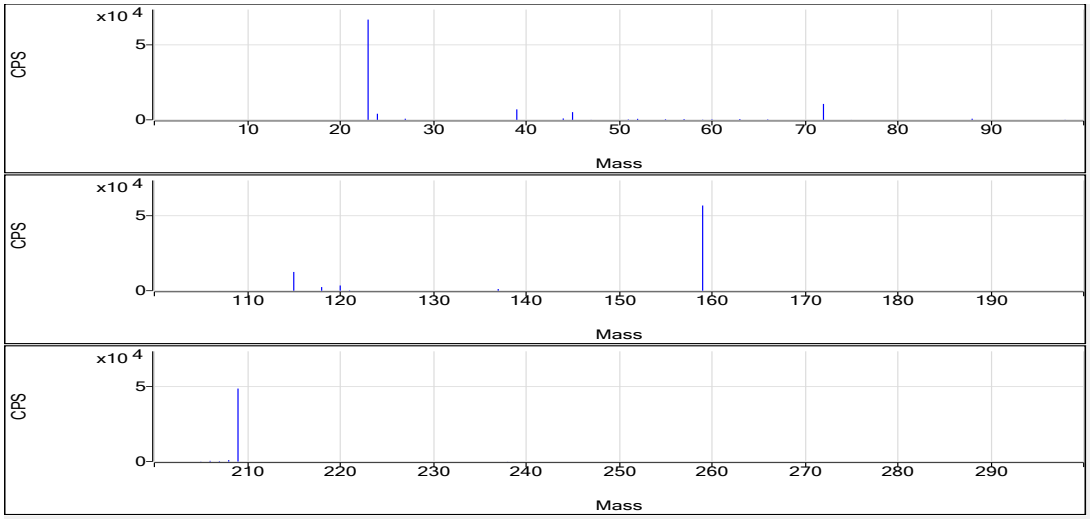


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.097	0.0005	100.00	0.0035	0.0001638
Be	9	1	No Gas	0.107	0.0005	104.00	0.0035	0.0001638
Be	9	1	No Gas	0.057	0.0004	70.00	0.0035	0.0001638
Se	78	2	H2	0.009	0.0001	3.33	0.0035	8.664E-05
Se	78	2	H2	0.022	0.0002	4.67	0.0035	8.664E-05
Se	78	2	H2	-0.004	0.0001	2.00	0.0035	8.664E-05
Na	23	3	He	594.413	13.6732	67012.35	0.0216	0.8064
Na	23	3	He	547.308	12.6536	67584.82	0.0216	0.8064
Na	23	3	He	555.464	12.8301	66730.86	0.0216	0.8064
Mg	24	3	He	64.147	0.8041	3940.67	0.0109	0.1054
Mg	24	3	He	69.068	0.8576	4580.85	0.0109	0.1054
Mg	24	3	He	55.473	0.7096	3690.60	0.0109	0.1054
Al	27	3	He	38.937	0.153	750.04	0.0037	0.009095
Al	27	3	He	31.474	0.1254	670.04	0.0037	0.009095
Al	27	3	He	38.629	0.1519	790.05	0.0037	0.009095
K	39	3	He	25.298	1.5777	7732.22	0.0099	1.328
K	39	3	He	-8.054	1.2491	6671.78	0.0099	1.328
K	39	3	He	-6.397	1.2654	6581.74	0.0099	1.328
Ca	44	3	He	342.319	0.0798	1020.07	0.0002	0.004867
Ca	44	3	He	259.733	0.0618	760.04	0.0002	0.004867
Ca	44	3	He	328.001	0.0767	960.06	0.0002	0.004867
Ti	47	3	He	2.29	0.0047	50.00	0.002	0
Ti	47	3	He	2.838	0.0058	60.00	0.002	0
Ti	47	3	He	1.808	0.0037	40.00	0.002	0
V	51	3	He	0.117	0.0596	292.00	0.1638	0.04039
V	51	3	He	0.055	0.0494	264.00	0.1638	0.04039
V	51	3	He	0.035	0.0461	240.00	0.1638	0.04039
Cr	52	3	He	-0.148	0.0681	730.04	0.1041	0.08357
Cr	52	3	He	-0.284	0.054	560.03	0.1041	0.08357
Cr	52	3	He	-0.174	0.0654	710.05	0.1041	0.08357
Mn	55	3	He	0.438	0.0299	320.02	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.496	0.0328	340.02	0.0509	0.00756
Mn	55	3	He	0.612	0.0387	420.02	0.0509	0.00756
Fe	57	3	He	13.491	0.0796	390.02	0.0041	0.02373
Fe	57	3	He	15.072	0.0861	460.02	0.0041	0.02373
Fe	57	3	He	19.813	0.1058	550.03	0.0041	0.02373
Co	59	3	He	0.025	0.0149	160.01	0.1966	0.009981
Co	59	3	He	0.028	0.0154	160.01	0.1966	0.009981
Co	59	3	He	-0.018	0.0064	70.00	0.1966	0.009981
Ni	60	3	He	0.073	0.0219	280.01	0.0432	0.01878
Ni	60	3	He	0.13	0.0244	300.01	0.0432	0.01878
Ni	60	3	He	0.176	0.0264	330.02	0.0432	0.01878
Cu	63	3	He	0.191	0.0352	450.02	0.1222	0.01194
Cu	63	3	He	0.228	0.0398	490.03	0.1222	0.01194
Cu	63	3	He	0.249	0.0423	530.03	0.1222	0.01194
Zn	66	3	He	0.853	0.0164	210.01	0.0159	0.002839
Zn	66	3	He	1.504	0.0268	330.02	0.0159	0.002839
Zn	66	3	He	0.974	0.0184	230.01	0.0159	0.002839
As	75	3	He	0.069	0.0019	24.00	0.0132	0.0009658
As	75	3	He	0.062	0.0018	22.00	0.0132	0.0009658
As	75	3	He	0.108	0.0024	30.00	0.0132	0.0009658
Sr	88	3	He	0.747	0.07	750.05	0.0864	0.005458
Sr	88	3	He	0.74	0.0694	720.05	0.0864	0.005458
Sr	88	3	He	0.737	0.0691	750.05	0.0864	0.005458
Mo	98	3	He	-0.035	0.0009	50.00	0.0303	0.001942
Mo	98	3	He	-0.035	0.0009	50.00	0.0303	0.001942
Mo	98	3	He	0.005	0.0021	120.00	0.0303	0.001942
Ag	107	3	He	-0.002	0.0019	20.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.0019	20.00	0.3501	0.002425
Ag	107	3	He	-0.007	0	0.00	0.3501	0.002425
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Sn	120	3	He	0.687	0.0557	3170.45	0.0284	0.03615
Sn	120	3	He	0.779	0.0583	3310.59	0.0284	0.03615
Sn	120	3	He	1.156	0.069	3962.06	0.0284	0.03615
Sb	121	3	He	0.07	0.0026	150.01	0.0262	0.000803
Sb	121	3	He	0.104	0.0035	200.01	0.0262	0.000803
Sb	121	3	He	0.143	0.0045	260.01	0.0262	0.000803
Ba	137	3	He	1.695	0.0174	990.07	0.0098	0.0007342
Ba	137	3	He	2.309	0.0234	1330.11	0.0098	0.0007342
Ba	137	3	He	1.769	0.0181	1040.08	0.0098	0.0007342
Tl	205	3	He	-0.001	0.0025	140.01	0.1945	0.002744
Tl	205	3	He	-0.002	0.0023	130.00	0.1945	0.002744
Tl	205	3	He	-0.006	0.0016	90.00	0.1945	0.002744
Pb	208	3	He	0.085	0.0288	810.06	0.2651	0.006358
Pb	208	3	He	0.09	0.0303	1020.08	0.2651	0.006358
Pb	208	3	He	0.102	0.0335	1090.09	0.2651	0.006358
U	238	3	He	0.002	0.0012	70.00	0.3022	0.0005338
U	238	3	He	0.001	0.0007	40.00	0.3022	0.0005338
U	238	3	He	0.002	0.0012	70.00	0.3022	0.0005338
Sc	45	1	No Gas			199359.72		
Sc	45	1	No Gas			193788.12		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			193065.23		
Ge	72	1	No Gas			128937.61		
Ge	72	1	No Gas			127272.57		
Ge	72	1	No Gas			126101.90		
Sc	45	2	H2			36245.92		
Sc	45	2	H2			37559.69		
Sc	45	2	H2			35354.00		
Ge	72	2	H2			28388.70		
Ge	72	2	H2			28438.96		
Ge	72	2	H2			27727.65		
In	115	2	H2			70369.24		
In	115	2	H2			71374.22		
In	115	2	H2			67936.89		
Sc	45	3	He			4900.99		
Sc	45	3	He			5341.17		
Sc	45	3	He			5201.11		
Ge	72	3	He			10714.41		
Ge	72	3	He			10374.06		
Ge	72	3	He			10854.44		
In	115	3	He			12796.31		
In	115	3	He			12325.82		
In	115	3	He			12536.01		
Tb	159	3	He			56940.66		
Tb	159	3	He			56780.02		
Tb	159	3	He			57402.72		
Bi	209	3	He			47828.14		
Bi	209	3	He			48891.99		
Bi	209	3	He			49935.77		

Quantitation Report

Data File Name	060SMPL.d
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Comment	MS-C11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

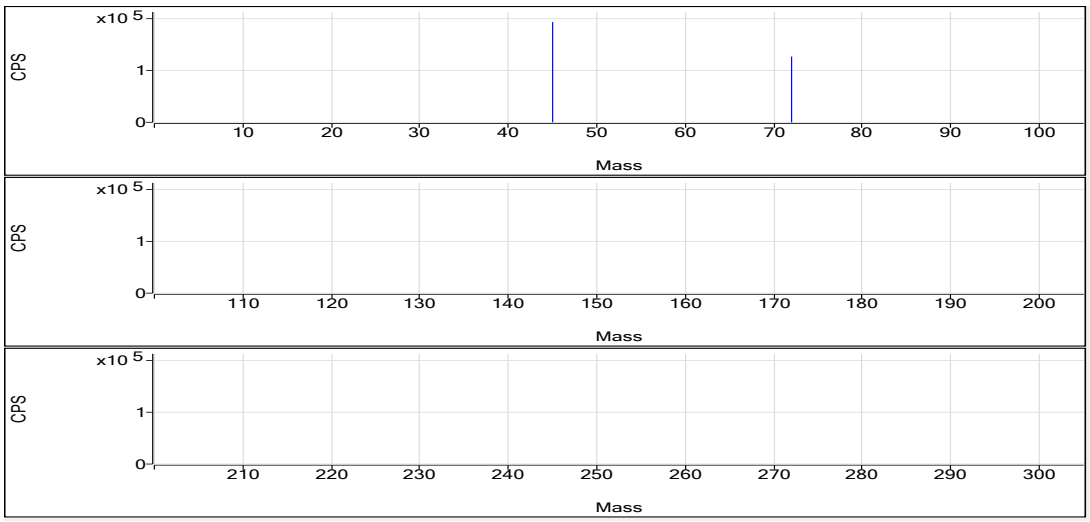
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.038	ppb	6.2	57.33	0.0003	Pulse	0.5000	3
Se	78	72	H2	-0.001	ppb	N/A	2.44	0.0001	Pulse	1.5000	3
Na	23	45	He	172.176	ppb	8.2	22841.58	4.5334	Pulse	0.1000	3
Mg	24	45	He	106.828	ppb	8.0	6391.61	1.2689	Pulse	0.1000	3
Al	27	45	He	0.915	ppb	71.5	63.33	0.0125	Pulse	0.1000	3
K	39	45	He	61.935	ppb	19.7	9786.91	1.9386	Pulse	0.1000	3
Ca	44	115	He	543.587	ppb	9.2	1610.15	0.1239	Pulse	0.1000	3
Ti	47	72	He	0.162	ppb	173.2	3.33	0.0003	Pulse	0.1000	3
V	51	45	He	0.033	ppb	69.5	230.67	0.0458	Pulse	0.5000	3
Cr	52	72	He	-0.201	ppb	N/A	660.04	0.0626	Pulse	0.1000	3
Mn	55	72	He	0.241	ppb	69.5	206.68	0.0198	Pulse	0.1000	3
Fe	57	45	He	2.863	ppb	100.2	180.01	0.0356	Pulse	0.1000	3
Co	59	72	He	0.022	ppb	102.1	153.34	0.0144	Pulse	0.1000	3
Ni	60	115	He	0.114	ppb	89.5	306.68	0.0237	Pulse	0.1000	3
Cu	63	115	He	0.361	ppb	15.7	730.04	0.0561	Pulse	0.1000	3
Zn	66	115	He	0.929	ppb	9.7	230.01	0.0177	Pulse	0.1000	3
As	75	115	He	0.041	ppb	106.3	19.33	0.0015	Pulse	0.5000	3
Sr	88	72	He	3.412	ppb	3.5	3157.15	0.3002	Pulse	0.1000	3
Mo	98	159	He	0.024	ppb	50.9	150.01	0.0027	Pulse	0.1000	3
Ag	107	72	He	-0.002	ppb	N/A	16.67	0.0016	Pulse	0.1000	3
Cd	111	72	He	0.000	ppb	N/A	0.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	0.404	ppb	22.8	2687.02	0.0476	Pulse	0.1000	3
Sb	121	159	He	0.021	ppb	49.2	76.67	0.0014	Pulse	0.1000	3
Ba	137	159	He	1.068	ppb	5.9	633.37	0.0112	Pulse	0.1000	3
Tl	205	159	He	-0.004	ppb	N/A	106.67	0.0019	Pulse	0.1000	3
Pb	208	159	He	0.002	ppb	209.3	383.35	0.0068	Pulse	0.1000	3
U	238	159	He	0.003	ppb	42.9	76.67	0.0014	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	193307.11	1.2	105.5	Pulse	0.1000	3
No Gas	Ge	72	126791.70	0.7	113.2	Pulse	0.1000	3
H2	Sc	45	36730.62	0.4	108.3	Pulse	0.1000	3
H2	Ge	72	28712.91	1.3	111.0	Pulse	0.1000	3
H2	In	115	69826.22	1.7	109.2	Pulse	0.1000	3
He	Sc	45	5054.42	7.0	106.3	Pulse	0.1000	3
He	Ge	72	10530.97	5.8	108.2	Pulse	0.1000	3
He	In	115	13041.83	6.6	111.4	Pulse	0.1000	3
He	Tb	159	56394.71	1.2	113.0	Pulse	0.1000	3
He	Bi	209	48216.41	2.2	117.9	Pulse	0.1000	3

No Gas



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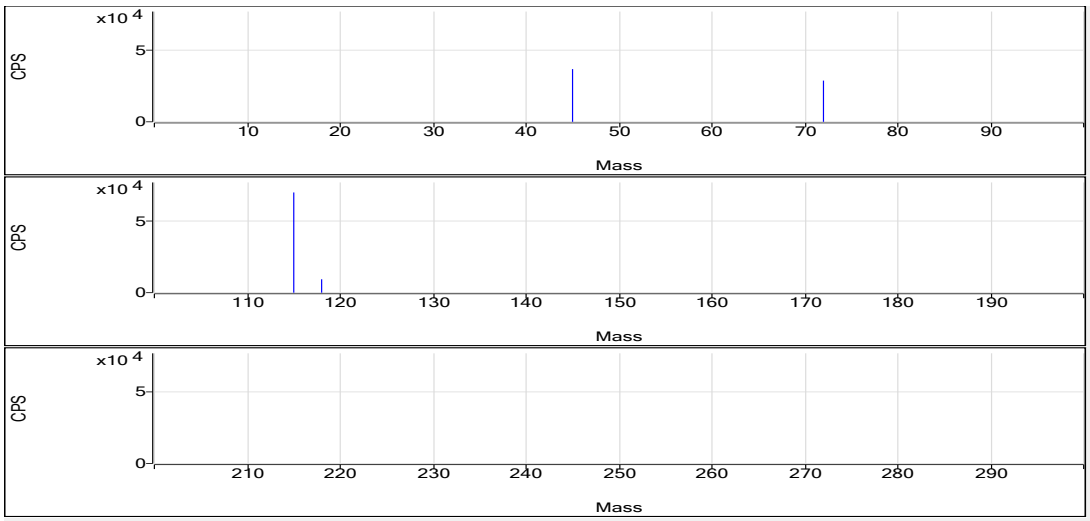
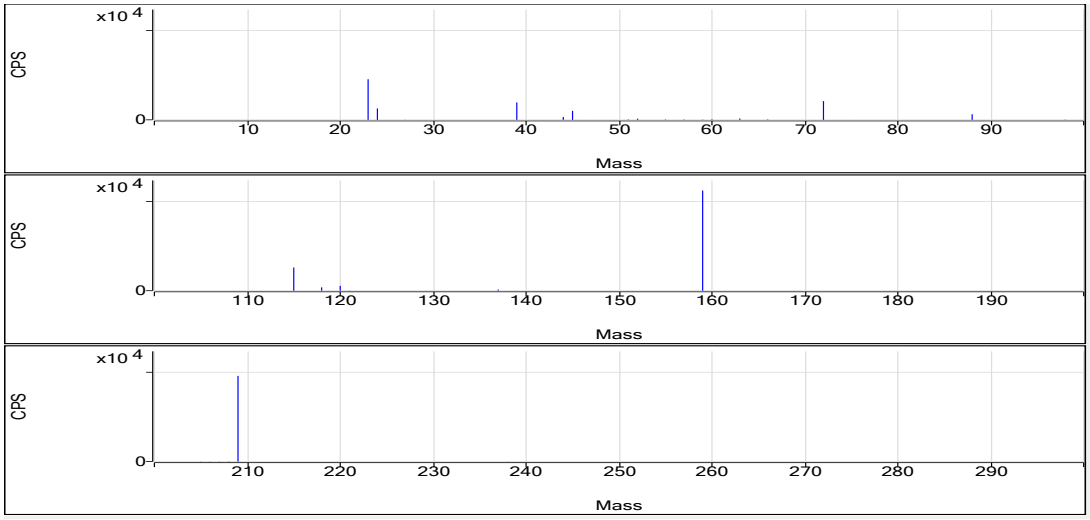


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.037	0.0003	56.00	0.0035	0.0001638
Be	9	1	No Gas	0.037	0.0003	56.00	0.0035	0.0001638
Be	9	1	No Gas	0.041	0.0003	60.00	0.0035	0.0001638
Se	78	2	H2	-0.011	0	1.33	0.0035	8.664E-05
Se	78	2	H2	0.008	0.0001	3.33	0.0035	8.664E-05
Se	78	2	H2	0.002	0.0001	2.67	0.0035	8.664E-05
Na	23	3	He	156.682	4.198	22758.12	0.0216	0.8064
Na	23	3	He	184.447	4.799	22607.93	0.0216	0.8064
Na	23	3	He	175.398	4.6031	23158.68	0.0216	0.8064
Mg	24	3	He	97.725	1.1698	6341.57	0.0109	0.1054
Mg	24	3	He	114.697	1.3546	6381.60	0.0109	0.1054
Mg	24	3	He	108.062	1.2824	6451.66	0.0109	0.1054
Al	27	3	He	1.532	0.0148	80.00	0.0037	0.009095
Al	27	3	He	0.985	0.0127	60.00	0.0037	0.009095
Al	27	3	He	0.228	0.0099	50.00	0.0037	0.009095
K	39	3	He	62.58	1.945	10544.04	0.0099	1.328
K	39	3	He	73.803	2.0555	9683.53	0.0099	1.328
K	39	3	He	49.423	1.8153	9133.15	0.0099	1.328
Ca	44	3	He	506.529	0.1158	1610.14	0.0002	0.004867
Ca	44	3	He	523.598	0.1195	1560.15	0.0002	0.004867
Ca	44	3	He	600.635	0.1364	1660.16	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0.485	0.001	10.00	0.002	0
V	51	3	He	0.017	0.0432	234.00	0.1638	0.04039
V	51	3	He	0.059	0.0501	236.00	0.1638	0.04039
V	51	3	He	0.023	0.0441	222.00	0.1638	0.04039
Cr	52	3	He	-0.179	0.065	730.04	0.1041	0.08357
Cr	52	3	He	-0.249	0.0577	590.04	0.1041	0.08357
Cr	52	3	He	-0.176	0.0652	660.04	0.1041	0.08357
Mn	55	3	He	0.149	0.0151	170.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.139	0.0147	150.01	0.0509	0.00756
Mn	55	3	He	0.434	0.0296	300.01	0.0509	0.00756
Fe	57	3	He	4.517	0.0424	230.01	0.0041	0.02373
Fe	57	3	He	4.524	0.0425	200.01	0.0041	0.02373
Fe	57	3	He	-0.45	0.0219	110.00	0.0041	0.02373
Co	59	3	He	0.049	0.0196	220.01	0.1966	0.009981
Co	59	3	He	0.009	0.0117	120.00	0.1966	0.009981
Co	59	3	He	0.01	0.0119	120.00	0.1966	0.009981
Ni	60	3	He	0.048	0.0209	290.01	0.0432	0.01878
Ni	60	3	He	0.062	0.0215	280.01	0.0432	0.01878
Ni	60	3	He	0.231	0.0288	350.02	0.0432	0.01878
Cu	63	3	He	0.379	0.0583	810.06	0.1222	0.01194
Cu	63	3	He	0.297	0.0483	630.03	0.1222	0.01194
Cu	63	3	He	0.407	0.0616	750.04	0.1222	0.01194
Zn	66	3	He	0.95	0.018	250.01	0.0159	0.002839
Zn	66	3	He	0.831	0.0161	210.01	0.0159	0.002839
Zn	66	3	He	1.007	0.0189	230.01	0.0159	0.002839
As	75	3	He	0.003	0.001	14.00	0.0132	0.0009658
As	75	3	He	0.031	0.0014	18.00	0.0132	0.0009658
As	75	3	He	0.088	0.0021	26.00	0.0132	0.0009658
Sr	88	3	He	3.276	0.2884	3240.52	0.0864	0.005458
Sr	88	3	He	3.478	0.3059	3130.46	0.0864	0.005458
Sr	88	3	He	3.482	0.3062	3100.46	0.0864	0.005458
Mo	98	3	He	0.012	0.0023	130.01	0.0303	0.001942
Mo	98	3	He	0.023	0.0026	150.01	0.0303	0.001942
Mo	98	3	He	0.036	0.003	170.01	0.0303	0.001942
Ag	107	3	He	-0.004	0.0009	10.00	0.3501	0.002425
Ag	107	3	He	0.001	0.0029	30.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Cd	111	3	He	0.002	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Sn	120	3	He	0.319	0.0452	2540.30	0.0284	0.03615
Sn	120	3	He	0.502	0.0504	2880.40	0.0284	0.03615
Sn	120	3	He	0.391	0.0473	2640.35	0.0284	0.03615
Sb	121	3	He	0.01	0.0011	60.00	0.0262	0.000803
Sb	121	3	He	0.023	0.0014	80.00	0.0262	0.000803
Sb	121	3	He	0.031	0.0016	90.00	0.0262	0.000803
Ba	137	3	He	1.012	0.0107	600.03	0.0098	0.0007342
Ba	137	3	He	1.137	0.0119	680.04	0.0098	0.0007342
Ba	137	3	He	1.055	0.0111	620.03	0.0098	0.0007342
Tl	205	3	He	0.001	0.0028	160.01	0.1945	0.002744
Tl	205	3	He	-0.008	0.0012	70.00	0.1945	0.002744
Tl	205	3	He	-0.006	0.0016	90.00	0.1945	0.002744
Pb	208	3	He	0	0.0062	180.01	0.2651	0.006358
Pb	208	3	He	0	0.0063	140.01	0.2651	0.006358
Pb	208	3	He	0.006	0.0079	190.01	0.2651	0.006358
U	238	3	He	0.002	0.0011	60.00	0.3022	0.0005338
U	238	3	He	0.004	0.0018	100.00	0.3022	0.0005338
U	238	3	He	0.002	0.0013	70.00	0.3022	0.0005338
Sc	45	1	No Gas			192135.29		
Sc	45	1	No Gas			191707.77		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			196078.26		
Ge	72	1	No Gas			125769.63		
Ge	72	1	No Gas			127080.57		
Ge	72	1	No Gas			127524.89		
Sc	45	2	H2			36756.88		
Sc	45	2	H2			36867.96		
Sc	45	2	H2			36567.02		
Ge	72	2	H2			28499.17		
Ge	72	2	H2			29130.49		
Ge	72	2	H2			28509.08		
In	115	2	H2			69072.75		
In	115	2	H2			69212.94		
In	115	2	H2			71192.96		
Sc	45	3	He			5421.21		
Sc	45	3	He			4710.98		
Sc	45	3	He			5031.08		
Ge	72	3	He			11234.91		
Ge	72	3	He			10234.03		
Ge	72	3	He			10123.96		
In	115	3	He			13917.44		
In	115	3	He			13066.56		
In	115	3	He			12185.72		
Tb	159	3	He			56187.24		
Tb	159	3	He			57131.06		
Tb	159	3	He			55865.84		
Bi	209	3	He			47447.33		
Bi	209	3	He			47768.15		
Bi	209	3	He			49433.76		

Quantitation Report

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Sample Type	Sample
Comment	MS-C11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

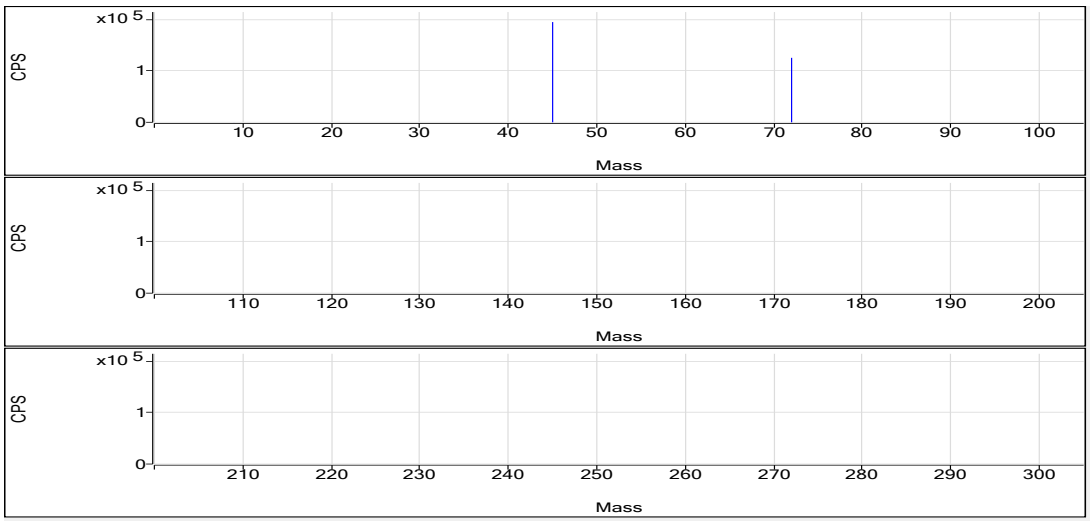
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.051	ppb	53.7	66.67	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.183	ppb	26.3	20.44	0.0007	Pulse	1.5000	3
Na	23	45	He	5470.428	ppb	2.0	597250.30	119.2207	Pulse	0.1000	3
Mg	24	45	He	20717.920	ppb	2.1	1130927.87	225.7563	Pulse	0.1000	3
Al	27	45	He	1.148	ppb	111.5	66.67	0.0133	Pulse	0.1000	3
K	39	45	He	2278.500	ppb	2.4	119106.35	23.7748	Pulse	0.1000	3
Ca	44	115	He	87812.171	ppb	2.0	237713.63	19.2367	Pulse	0.1000	3
Ti	47	72	He	0.319	ppb	86.6	6.67	0.0006	Pulse	0.1000	3
V	51	45	He	0.191	ppb	21.0	360.01	0.0717	Pulse	0.5000	3
Cr	52	72	He	6.699	ppb	3.3	7965.82	0.7811	Pulse	0.1000	3
Mn	55	72	He	0.108	ppb	55.9	133.34	0.0131	Pulse	0.1000	3
Fe	57	45	He	10.339	ppb	16.1	333.35	0.0665	Pulse	0.1000	3
Co	59	72	He	0.049	ppb	64.1	200.01	0.0196	Pulse	0.1000	3
Ni	60	115	He	0.420	ppb	13.5	456.69	0.0369	Pulse	0.1000	3
Cu	63	115	He	7.743	ppb	4.6	11835.27	0.9579	Pulse	0.1000	3
Zn	66	115	He	22.243	ppb	1.5	4420.82	0.3575	Pulse	0.1000	3
As	75	115	He	0.106	ppb	55.3	29.33	0.0024	Pulse	0.5000	3
Sr	88	72	He	155.333	ppb	0.0	136920.89	13.4228	Pulse	0.1000	3
Mo	98	159	He	-0.001	ppb	N/A	106.67	0.0019	Pulse	0.1000	3
Ag	107	72	He	0.001	ppb	1087.4	26.67	0.0026	Pulse	0.1000	3
Cd	111	72	He	0.009	ppb	76.7	4.67	0.0005	Pulse	0.5000	3
Sn	120	159	He	0.409	ppb	30.8	2670.35	0.0478	Pulse	0.1000	3
Sb	121	159	He	0.013	ppb	30.4	63.33	0.0011	Pulse	0.1000	3
Ba	137	159	He	53.824	ppb	1.0	29596.31	0.5296	Pulse	0.1000	3
Tl	205	159	He	-0.002	ppb	N/A	136.67	0.0024	Pulse	0.1000	3
Pb	208	159	He	0.633	ppb	6.9	9728.49	0.1741	Pulse	0.1000	3
U	238	159	He	0.457	ppb	2.8	7752.63	0.1387	Pulse	0.1000	3

ISTD Table:

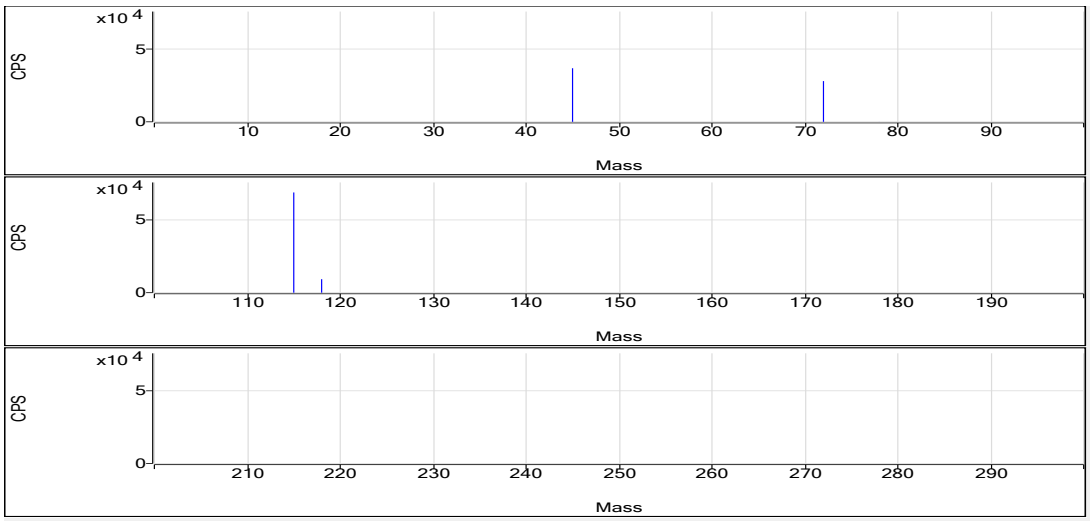
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	195005.58	0.9	106.4	Pulse	0.1000	3
No Gas	Ge	72	125453.44	2.2	112.0	Pulse	0.1000	3
H2	Sc	45	36770.72	1.4	108.4	Pulse	0.1000	3
H2	Ge	72	27944.87	2.9	108.0	Pulse	0.1000	3
H2	In	115	68787.87	2.2	107.6	Pulse	0.1000	3
He	Sc	45	5011.05	2.2	105.4	Pulse	0.1000	3
He	Ge	72	10200.61	1.0	104.8	Pulse	0.1000	3
He	In	115	12362.03	2.9	105.6	Pulse	0.1000	3
He	Tb	159	55879.81	0.6	112.0	Pulse	0.1000	3
He	Bi	209	46727.52	2.7	114.3	Pulse	0.1000	3

No Gas

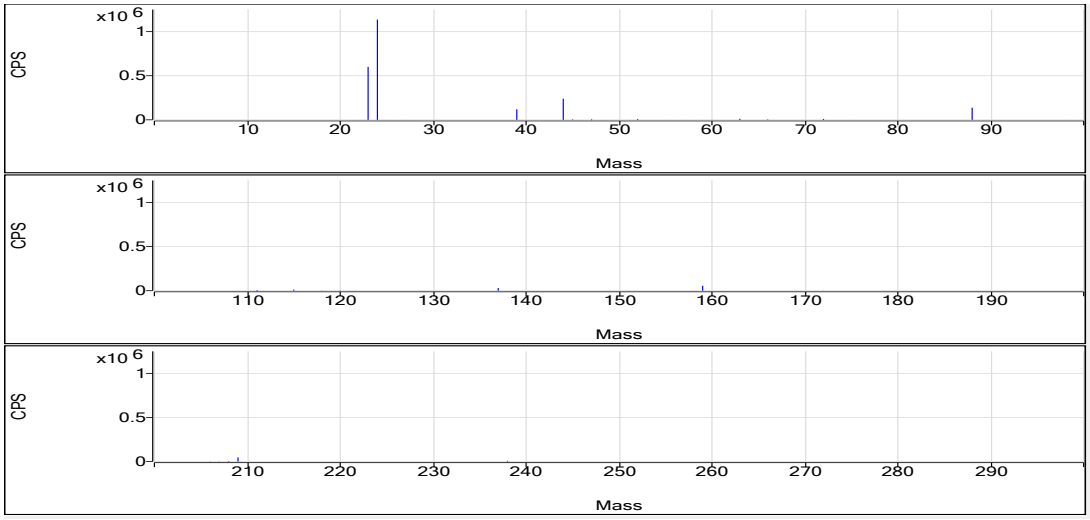


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.033	0.0003	54.00	0.0035	0.0001638
Be	9	1	No Gas	0.083	0.0005	88.00	0.0035	0.0001638
Be	9	1	No Gas	0.038	0.0003	58.00	0.0035	0.0001638
Se	78	2	H2	0.159	0.0006	18.00	0.0035	8.664E-05
Se	78	2	H2	0.152	0.0006	18.00	0.0035	8.664E-05
Se	78	2	H2	0.239	0.0009	25.33	0.0035	8.664E-05
Na	23	3	He	5442.074	118.6069	601463.90	0.0216	0.8064
Na	23	3	He	5379.602	117.2546	595776.55	0.0216	0.8064
Na	23	3	He	5589.608	121.8005	594510.46	0.0216	0.8064
Mg	24	3	He	20459.626	222.943	1130559.75	0.0109	0.1054
Mg	24	3	He	20485.102	223.2205	1134194.59	0.0109	0.1054
Mg	24	3	He	21209.031	231.1052	1128029.28	0.0109	0.1054
Al	27	3	He	-0.327	0.0079	40.00	0.0037	0.009095
Al	27	3	He	1.799	0.0157	80.00	0.0037	0.009095
Al	27	3	He	1.973	0.0164	80.00	0.0037	0.009095
K	39	3	He	2295.085	23.9382	121392.12	0.0099	1.328
K	39	3	He	2216.779	23.1667	117711.39	0.0099	1.328
K	39	3	He	2323.637	24.2194	118215.55	0.0099	1.328
Ca	44	3	He	87470.982	19.162	239748.39	0.0002	0.004867
Ca	44	3	He	86233.891	18.8911	238463.55	0.0002	0.004867
Ca	44	3	He	89731.64	19.6571	234928.96	0.0002	0.004867
Ti	47	3	He	0.478	0.001	10.00	0.002	0
Ti	47	3	He	0.479	0.001	10.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	0.223	0.0769	390.01	0.1638	0.04039
V	51	3	He	0.205	0.074	376.01	0.1638	0.04039
V	51	3	He	0.146	0.0643	314.01	0.1638	0.04039
Cr	52	3	He	6.648	0.7758	7962.43	0.1041	0.08357
Cr	52	3	He	6.505	0.7609	7802.38	0.1041	0.08357
Cr	52	3	He	6.943	0.8065	8132.66	0.1041	0.08357
Mn	55	3	He	0.081	0.0117	120.00	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.177	0.0166	170.01	0.0509	0.00756
Mn	55	3	He	0.066	0.0109	110.00	0.0509	0.00756
Fe	57	3	He	8.559	0.0592	300.02	0.0041	0.02373
Fe	57	3	He	11.859	0.0728	370.02	0.0041	0.02373
Fe	57	3	He	10.6	0.0676	330.01	0.0041	0.02373
Co	59	3	He	0.029	0.0156	160.01	0.1966	0.009981
Co	59	3	He	0.034	0.0166	170.01	0.1966	0.009981
Co	59	3	He	0.085	0.0268	270.02	0.1966	0.009981
Ni	60	3	He	0.472	0.0392	490.03	0.0432	0.01878
Ni	60	3	He	0.428	0.0372	470.03	0.0432	0.01878
Ni	60	3	He	0.36	0.0343	410.02	0.0432	0.01878
Cu	63	3	He	7.344	0.9091	11374.84	0.1222	0.01194
Cu	63	3	He	7.856	0.9717	12265.66	0.1222	0.01194
Cu	63	3	He	8.029	0.9928	11865.31	0.1222	0.01194
Zn	66	3	He	22.232	0.3573	4470.83	0.0159	0.002839
Zn	66	3	He	22.581	0.3629	4580.87	0.0159	0.002839
Zn	66	3	He	21.918	0.3523	4210.77	0.0159	0.002839
As	75	3	He	0.169	0.0032	40.00	0.0132	0.0009658
As	75	3	He	0.095	0.0022	28.00	0.0132	0.0009658
As	75	3	He	0.053	0.0017	20.00	0.0132	0.0009658
Sr	88	3	He	155.303	13.4203	137745.34	0.0864	0.005458
Sr	88	3	He	155.318	13.4215	137623.86	0.0864	0.005458
Sr	88	3	He	155.378	13.4267	135393.46	0.0864	0.005458
Mo	98	3	He	0.001	0.002	110.00	0.0303	0.001942
Mo	98	3	He	0.036	0.003	170.01	0.0303	0.001942
Mo	98	3	He	-0.04	0.0007	40.00	0.0303	0.001942
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Ag	107	3	He	0.007	0.0049	50.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Cd	111	3	He	0.016	0.0008	8.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Sn	120	3	He	0.449	0.0489	2740.38	0.0284	0.03615
Sn	120	3	He	0.51	0.0507	2840.37	0.0284	0.03615
Sn	120	3	He	0.268	0.0438	2430.29	0.0284	0.03615
Sb	121	3	He	0.017	0.0012	70.00	0.0262	0.000803
Sb	121	3	He	0.01	0.0011	60.00	0.0262	0.000803
Sb	121	3	He	0.011	0.0011	60.00	0.0262	0.000803
Ba	137	3	He	53.229	0.5238	29352.25	0.0098	0.0007342
Ba	137	3	He	54.227	0.5336	29923.51	0.0098	0.0007342
Ba	137	3	He	54.015	0.5315	29513.17	0.0098	0.0007342
Tl	205	3	He	-0.004	0.002	110.00	0.1945	0.002744
Tl	205	3	He	0.001	0.003	170.01	0.1945	0.002744
Tl	205	3	He	-0.002	0.0023	130.00	0.1945	0.002744
Pb	208	3	He	0.583	0.1608	4901.09	0.2651	0.006358
Pb	208	3	He	0.654	0.1798	5651.46	0.2651	0.006358
Pb	208	3	He	0.662	0.1818	5231.23	0.2651	0.006358
U	238	3	He	0.453	0.1375	7702.56	0.3022	0.0005338
U	238	3	He	0.472	0.1431	8022.81	0.3022	0.0005338
U	238	3	He	0.447	0.1357	7532.51	0.3022	0.0005338
Sc	45	1	No Gas			193533.55		
Sc	45	1	No Gas			194635.04		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			196848.16		
Ge	72	1	No Gas			128039.25		
Ge	72	1	No Gas			122633.05		
Ge	72	1	No Gas			125688.02		
Sc	45	2	H2			36266.29		
Sc	45	2	H2			37308.67		
Sc	45	2	H2			36737.21		
Ge	72	2	H2			27747.75		
Ge	72	2	H2			28849.93		
Ge	72	2	H2			27236.94		
In	115	2	H2			67052.20		
In	115	2	H2			69334.45		
In	115	2	H2			69976.95		
Sc	45	3	He			5071.07		
Sc	45	3	He			5081.05		
Sc	45	3	He			4881.02		
Ge	72	3	He			10263.99		
Ge	72	3	He			10253.97		
Ge	72	3	He			10083.86		
In	115	3	He			12526.01		
In	115	3	He			12636.20		
In	115	3	He			11965.55		
Tb	159	3	He			56037.14		
Tb	159	3	He			56077.30		
Tb	159	3	He			55525.00		
Bi	209	3	He			45259.24		
Bi	209	3	He			47516.84		
Bi	209	3	He			47406.49		

Quantitation Report

Data File Name	062SMPL.d
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\25F12B00.b
Acq Time	6/12/2025 6:20:56 PM
Sample Name	410-224903-G-3-A
Sample Type	Sample
Comment	MS-C11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

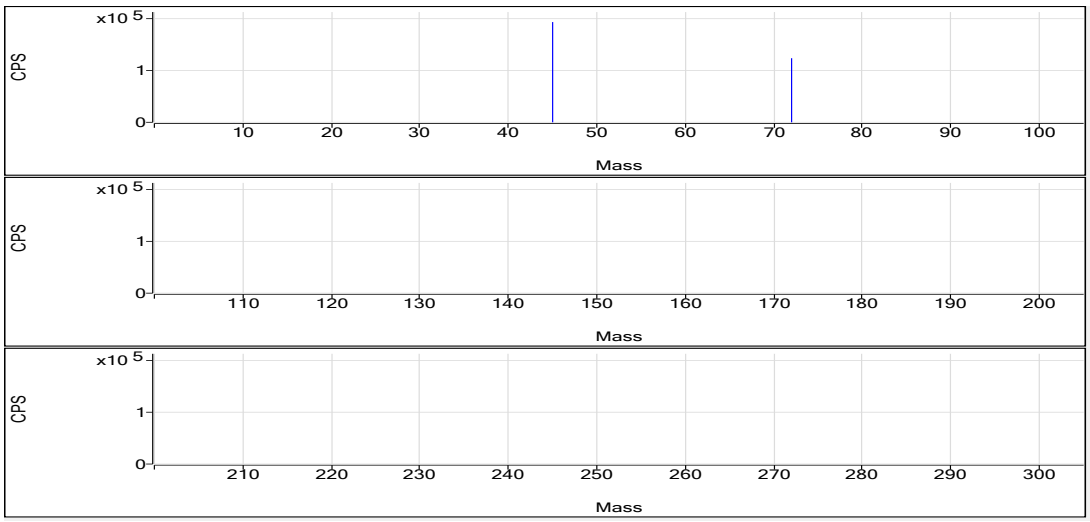
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.039	ppb	33.7	58.00	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.194	ppb	1.8	21.33	0.0008	Pulse	1.5000	3
Na	23	45	He	3905.931	ppb	4.2	413902.65	85.3552	Pulse	0.1000	3
Mg	24	45	He	45539.725	ppb	3.9	2405804.60	496.1049	Pulse	0.1000	3
Al	27	45	He	8.715	ppb	15.3	200.01	0.0413	Pulse	0.1000	3
K	39	45	He	5007.811	ppb	4.1	245680.43	50.6622	Pulse	0.1000	3
Ca	44	115	He	80906.061	ppb	4.4	223915.91	17.7242	Pulse	0.1000	3
Ti	47	72	He	0.000	ppb	N/A	0.00	0.0000	Pulse	0.1000	3
V	51	45	He	0.023	ppb	21.7	214.67	0.0442	Pulse	0.5000	3
Cr	52	72	He	-0.229	ppb	N/A	613.37	0.0597	Pulse	0.1000	3
Mn	55	72	He	3.254	ppb	9.4	1776.84	0.1731	Pulse	0.1000	3
Fe	57	45	He	38.179	ppb	12.2	880.06	0.1818	Pulse	0.1000	3
Co	59	72	He	0.094	ppb	25.0	293.35	0.0286	Pulse	0.1000	3
Ni	60	115	He	2.318	ppb	20.8	1496.80	0.1188	Pulse	0.1000	3
Cu	63	115	He	143.319	ppb	4.0	221352.11	17.5200	Pulse	0.1000	3
Zn	66	115	He	1389.914	ppb	3.4	280094.79	22.1657	Pulse	0.1000	3
As	75	115	He	0.131	ppb	29.1	34.00	0.0027	Pulse	0.5000	3
Sr	88	72	He	416.802	ppb	1.3	369682.53	36.0081	Pulse	0.1000	3
Mo	98	159	He	0.671	ppb	4.5	1250.10	0.0223	Pulse	0.1000	3
Ag	107	72	He	0.000	ppb	N/A	23.33	0.0023	Pulse	0.1000	3
Cd	111	72	He	0.014	ppb	34.2	7.33	0.0007	Pulse	0.5000	3
Sn	120	159	He	0.334	ppb	18.6	2560.32	0.0457	Pulse	0.1000	3
Sb	121	159	He	0.087	ppb	60.2	173.34	0.0031	Pulse	0.1000	3
Ba	137	159	He	47.824	ppb	2.2	26392.79	0.4707	Pulse	0.1000	3
Tl	205	159	He	0.011	ppb	33.4	270.01	0.0048	Pulse	0.1000	3
Pb	208	159	He	0.070	ppb	13.6	1403.42	0.0250	Pulse	0.1000	3
U	238	159	He	1.337	ppb	3.2	22687.33	0.4046	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	193086.03	1.1	105.4	Pulse	0.1000	3
No Gas	Ge	72	123460.03	1.6	110.2	Pulse	0.1000	3
H2	Sc	45	36914.44	2.6	108.8	Pulse	0.1000	3
H2	Ge	72	27630.94	3.6	106.8	Pulse	0.1000	3
H2	In	115	67993.32	0.7	106.3	Pulse	0.1000	3
He	Sc	45	4854.29	3.9	102.1	Pulse	0.1000	3
He	Ge	72	10267.34	1.2	105.5	Pulse	0.1000	3
He	In	115	12647.19	3.8	108.0	Pulse	0.1000	3
He	Tb	159	56076.99	0.5	112.4	Pulse	0.1000	3
He	Bi	209	47253.22	2.4	115.6	Pulse	0.1000	3

No Gas



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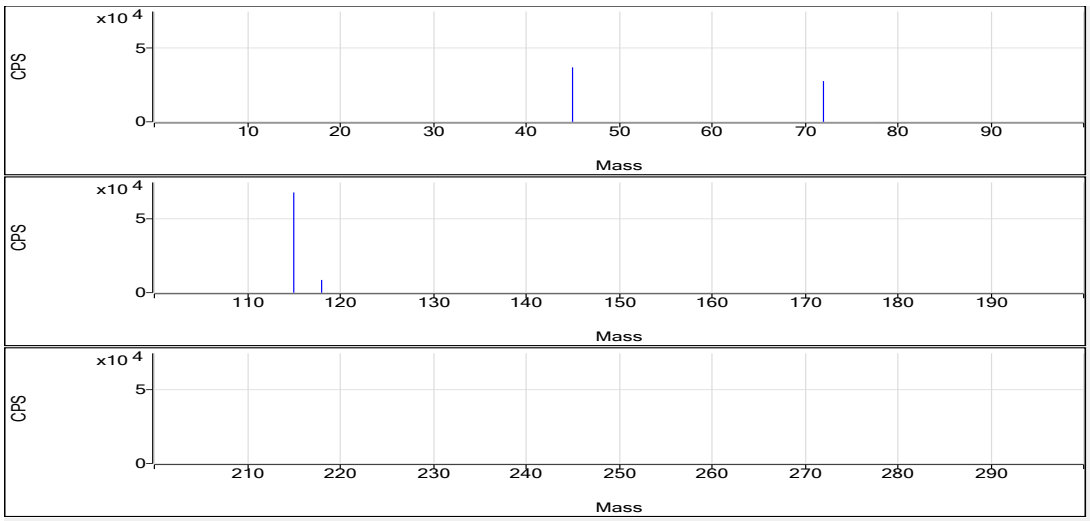
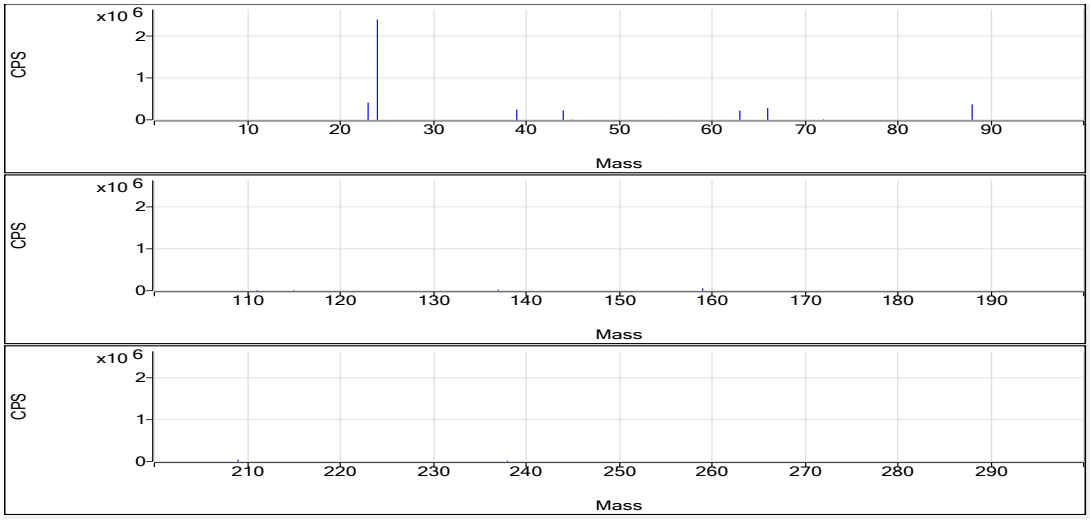


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.024	0.0002	48.00	0.0035	0.0001638
Be	9	1	No Gas	0.05	0.0003	66.00	0.0035	0.0001638
Be	9	1	No Gas	0.043	0.0003	60.00	0.0035	0.0001638
Se	78	2	H2	0.192	0.0008	20.67	0.0035	8.664E-05
Se	78	2	H2	0.198	0.0008	21.33	0.0035	8.664E-05
Se	78	2	H2	0.192	0.0008	22.00	0.0035	8.664E-05
Na	23	3	He	3992.448	87.2279	419648.35	0.0216	0.8064
Na	23	3	He	3714.618	81.214	411027.06	0.0216	0.8064
Na	23	3	He	4010.726	87.6236	411032.53	0.0216	0.8064
Mg	24	3	He	46278.687	504.1534	2425451.68	0.0109	0.1054
Mg	24	3	He	43489.875	473.7788	2397813.56	0.0109	0.1054
Mg	24	3	He	46850.615	510.3826	2394148.56	0.0109	0.1054
Al	27	3	He	8.223	0.0395	190.01	0.0037	0.009095
Al	27	3	He	7.695	0.0375	190.01	0.0037	0.009095
Al	27	3	He	10.227	0.0469	220.01	0.0037	0.009095
K	39	3	He	5100.346	51.5738	248118.43	0.0099	1.328
K	39	3	He	4773.316	48.3521	244711.91	0.0099	1.328
K	39	3	He	5149.77	52.0607	244210.95	0.0099	1.328
Ca	44	3	He	81994.685	17.9626	226204.43	0.0002	0.004867
Ca	44	3	He	83774.058	18.3523	223795.09	0.0002	0.004867
Ca	44	3	He	76949.441	16.8577	221748.20	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	0.02	0.0437	210.00	0.1638	0.04039
V	51	3	He	0.021	0.0439	222.00	0.1638	0.04039
V	51	3	He	0.029	0.0452	212.00	0.1638	0.04039
Cr	52	3	He	-0.199	0.0628	650.04	0.1041	0.08357
Cr	52	3	He	-0.3	0.0524	530.03	0.1041	0.08357
Cr	52	3	He	-0.189	0.0639	660.04	0.1041	0.08357
Mn	55	3	He	3.347	0.1779	1840.18	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	3.501	0.1857	1880.19	0.0509	0.00756
Mn	55	3	He	2.913	0.1558	1610.14	0.0509	0.00756
Fe	57	3	He	38.454	0.1829	880.06	0.0041	0.02373
Fe	57	3	He	33.407	0.162	820.06	0.0041	0.02373
Fe	57	3	He	42.675	0.2004	940.07	0.0041	0.02373
Co	59	3	He	0.121	0.0338	350.02	0.1966	0.009981
Co	59	3	He	0.085	0.0267	270.01	0.1966	0.009981
Co	59	3	He	0.077	0.0252	260.01	0.1966	0.009981
Ni	60	3	He	2.086	0.1088	1370.11	0.0432	0.01878
Ni	60	3	He	2.872	0.1427	1740.18	0.0432	0.01878
Ni	60	3	He	1.996	0.1049	1380.10	0.0432	0.01878
Cu	63	3	He	144.645	17.682	222670.80	0.1222	0.01194
Cu	63	3	He	148.336	18.1329	221119.02	0.1222	0.01194
Cu	63	3	He	136.975	16.745	220266.52	0.1222	0.01194
Zn	66	3	He	1404.133	22.3924	281988.69	0.0159	0.002839
Zn	66	3	He	1428.387	22.7791	277777.20	0.0159	0.002839
Zn	66	3	He	1337.223	21.3255	280518.49	0.0159	0.002839
As	75	3	He	0.107	0.0024	30.00	0.0132	0.0009658
As	75	3	He	0.175	0.0033	40.00	0.0132	0.0009658
As	75	3	He	0.111	0.0024	32.00	0.0132	0.0009658
Sr	88	3	He	418.832	36.1834	374284.37	0.0864	0.005458
Sr	88	3	He	420.93	36.3647	368152.30	0.0864	0.005458
Sr	88	3	He	410.643	35.4761	366610.93	0.0864	0.005458
Mo	98	3	He	0.664	0.0221	1230.11	0.0303	0.001942
Mo	98	3	He	0.704	0.0233	1310.11	0.0303	0.001942
Mo	98	3	He	0.645	0.0215	1210.08	0.0303	0.001942
Ag	107	3	He	0.001	0.0029	30.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Ag	107	3	He	0.001	0.0029	30.00	0.3501	0.002425
Cd	111	3	He	0.011	0.0006	6.00	0.0454	6.986E-05
Cd	111	3	He	0.012	0.0006	6.00	0.0454	6.986E-05
Cd	111	3	He	0.02	0.001	10.00	0.0454	6.986E-05
Sn	120	3	He	0.263	0.0436	2430.31	0.0284	0.03615
Sn	120	3	He	0.374	0.0468	2630.33	0.0284	0.03615
Sn	120	3	He	0.367	0.0466	2620.33	0.0284	0.03615
Sb	121	3	He	0.072	0.0027	150.01	0.0262	0.000803
Sb	121	3	He	0.044	0.002	110.00	0.0262	0.000803
Sb	121	3	He	0.146	0.0046	260.01	0.0262	0.000803
Ba	137	3	He	49.007	0.4823	26876.92	0.0098	0.0007342
Ba	137	3	He	46.91	0.4617	25965.31	0.0098	0.0007342
Ba	137	3	He	47.556	0.4681	26336.14	0.0098	0.0007342
Tl	205	3	He	0.007	0.0041	230.01	0.1945	0.002744
Tl	205	3	He	0.011	0.0048	270.01	0.1945	0.002744
Tl	205	3	He	0.014	0.0055	310.02	0.1945	0.002744
Pb	208	3	He	0.067	0.024	680.04	0.2651	0.006358
Pb	208	3	He	0.063	0.0231	650.05	0.2651	0.006358
Pb	208	3	He	0.081	0.0279	760.05	0.2651	0.006358
U	238	3	He	1.32	0.3993	22249.92	0.3022	0.0005338
U	238	3	He	1.306	0.3951	22219.81	0.3022	0.0005338
U	238	3	He	1.386	0.4193	23592.26	0.3022	0.0005338
Sc	45	1	No Gas			192842.56		
Sc	45	1	No Gas			195365.86		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			191049.68		
Ge	72	1	No Gas			125729.45		
Ge	72	1	No Gas			121795.75		
Ge	72	1	No Gas			122854.89		
Sc	45	2	H2			37740.01		
Sc	45	2	H2			37128.32		
Sc	45	2	H2			35875.00		
Ge	72	2	H2			26996.45		
Ge	72	2	H2			27116.40		
Ge	72	2	H2			28779.98		
In	115	2	H2			68016.96		
In	115	2	H2			67514.12		
In	115	2	H2			68448.89		
Sc	45	3	He			4810.94		
Sc	45	3	He			5061.04		
Sc	45	3	He			4690.89		
Ge	72	3	He			10344.09		
Ge	72	3	He			10123.90		
Ge	72	3	He			10334.03		
In	115	3	He			12606.17		
In	115	3	He			12205.68		
In	115	3	He			13166.71		
Tb	159	3	He			55725.28		
Tb	159	3	He			56237.98		
Tb	159	3	He			56267.72		
Bi	209	3	He			46232.88		
Bi	209	3	He			47055.76		
Bi	209	3	He			48471.02		

Quantitation Report

Data File Name	063SMPL.d
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\25F12B00.b
Acq Time	6/12/2025 6:22:58 PM
Sample Name	410-224903-G-2-A
Sample Type	Sample
Comment	MS-C11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

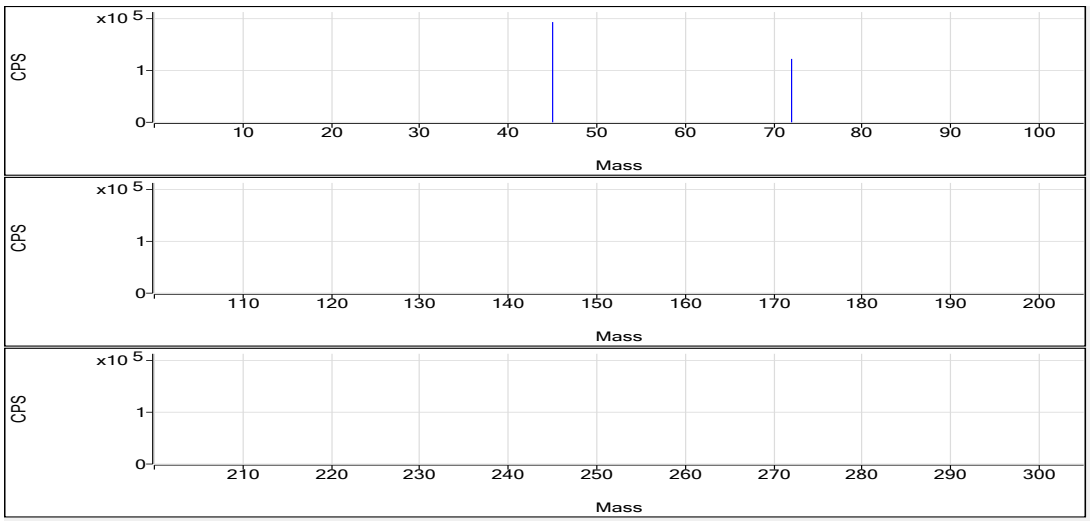
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.040	ppb	14.9	58.67	0.0003	Pulse	0.5000	3
Se	78	72	H2	5.549	ppb	3.3	553.12	0.0197	Pulse	1.5000	3
Na	23	45	He	12502.557	ppb	2.9	1321679.88	271.4399	Pulse	0.1000	3
Mg	24	45	He	48835.735	ppb	2.7	2590454.29	532.0037	Pulse	0.1000	3
Al	27	45	He	4.958	ppb	62.3	133.34	0.0274	Pulse	0.1000	3
K	39	45	He	6276.172	ppb	3.2	307513.61	63.1573	Pulse	0.1000	3
Ca	44	115	He	71807.827	ppb	0.5	196051.35	15.7316	Pulse	0.1000	3
Ti	47	72	He	0.348	ppb	173.2	6.67	0.0007	Pulse	0.1000	3
V	51	45	He	0.134	ppb	11.4	303.34	0.0623	Pulse	0.5000	3
Cr	52	72	He	-0.071	ppb	N/A	753.38	0.0761	Pulse	0.1000	3
Mn	55	72	He	1.869	ppb	8.5	1020.07	0.1027	Pulse	0.1000	3
Fe	57	45	He	10.777	ppb	15.8	333.35	0.0683	Pulse	0.1000	3
Co	59	72	He	0.020	ppb	94.8	136.67	0.0139	Pulse	0.1000	3
Ni	60	115	He	1.072	ppb	10.3	810.05	0.0650	Pulse	0.1000	3
Cu	63	115	He	1.339	ppb	2.6	2186.91	0.1755	Pulse	0.1000	3
Zn	66	115	He	4.333	ppb	9.2	896.73	0.0719	Pulse	0.1000	3
As	75	115	He	0.226	ppb	28.5	49.33	0.0040	Pulse	0.5000	3
Sr	88	72	He	415.342	ppb	4.2	355594.68	35.8820	Pulse	0.1000	3
Mo	98	159	He	0.483	ppb	10.2	950.07	0.0166	Pulse	0.1000	3
Ag	107	72	He	0.001	ppb	853.0	26.67	0.0027	Pulse	0.1000	3
Cd	111	72	He	0.025	ppb	30.5	12.00	0.0012	Pulse	0.5000	3
Sn	120	159	He	0.231	ppb	28.6	2446.96	0.0427	Pulse	0.1000	3
Sb	121	159	He	0.125	ppb	7.2	233.34	0.0041	Pulse	0.1000	3
Ba	137	159	He	86.645	ppb	2.4	48814.35	0.8522	Pulse	0.1000	3
Tl	205	159	He	0.127	ppb	11.4	1566.82	0.0274	Pulse	0.1000	3
Pb	208	159	He	0.025	ppb	22.9	740.04	0.0129	Pulse	0.1000	3
U	238	159	He	2.817	ppb	2.0	48797.07	0.8518	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	192723.48	0.2	105.2	Pulse	0.1000	3
No Gas	Ge	72	121913.44	1.4	108.9	Pulse	0.1000	3
H2	Sc	45	36516.74	3.2	107.7	Pulse	0.1000	3
H2	Ge	72	28118.41	2.0	108.7	Pulse	0.1000	3
H2	In	115	67357.04	2.5	105.4	Pulse	0.1000	3
He	Sc	45	4870.99	2.0	102.5	Pulse	0.1000	3
He	Ge	72	9923.76	5.0	102.0	Pulse	0.1000	3
He	In	115	12462.62	0.9	106.4	Pulse	0.1000	3
He	Tb	159	57288.78	1.1	114.8	Pulse	0.1000	3
He	Bi	209	46640.49	1.3	114.1	Pulse	0.1000	3

No Gas



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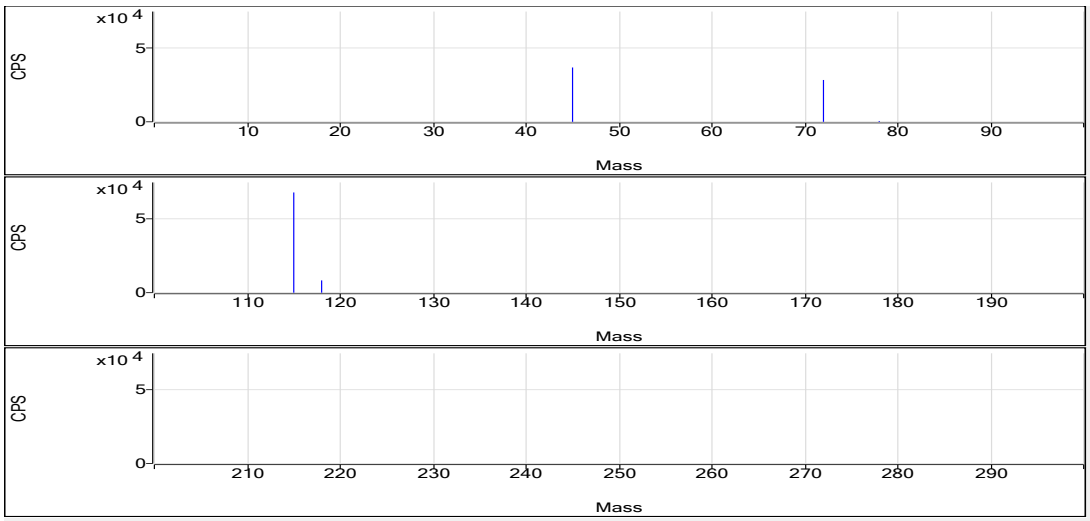
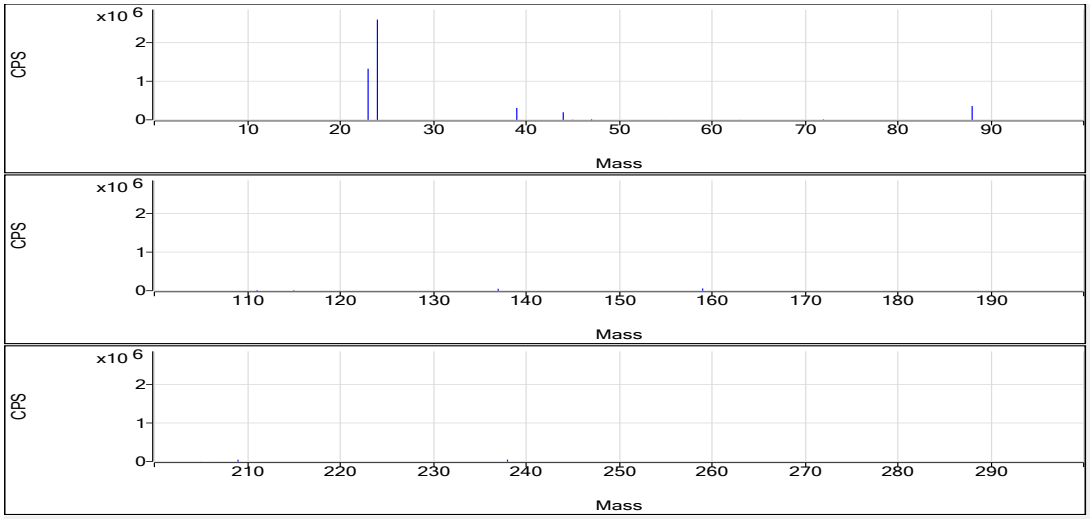


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.042	0.0003	60.00	0.0035	0.0001638
Be	9	1	No Gas	0.034	0.0003	54.00	0.0035	0.0001638
Be	9	1	No Gas	0.045	0.0003	62.00	0.0035	0.0001638
Se	78	2	H2	5.358	0.019	538.68	0.0035	8.664E-05
Se	78	2	H2	5.564	0.0197	562.68	0.0035	8.664E-05
Se	78	2	H2	5.726	0.0203	558.01	0.0035	8.664E-05
Na	23	3	He	12916.284	280.3955	1334954.51	0.0216	0.8064
Na	23	3	He	12257.353	266.1321	1314953.42	0.0216	0.8064
Na	23	3	He	12334.034	267.792	1315131.70	0.0216	0.8064
Mg	24	3	He	50316.607	548.1327	2609643.40	0.0109	0.1054
Mg	24	3	He	47699.299	519.6261	2567462.15	0.0109	0.1054
Mg	24	3	He	48491.3	528.2522	2594257.31	0.0109	0.1054
Al	27	3	He	6.631	0.0336	160.01	0.0037	0.009095
Al	27	3	He	6.847	0.0344	170.01	0.0037	0.009095
Al	27	3	He	1.395	0.0143	70.00	0.0037	0.009095
K	39	3	He	6505.332	65.4148	311437.94	0.0099	1.328
K	39	3	He	6155.037	61.9639	306162.51	0.0099	1.328
K	39	3	He	6168.148	62.0931	304940.39	0.0099	1.328
Ca	44	3	He	71446.037	15.6524	196955.13	0.0002	0.004867
Ca	44	3	He	71750.007	15.7189	195244.00	0.0002	0.004867
Ca	44	3	He	72227.436	15.8235	195954.92	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	1.043	0.0021	20.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	0.151	0.0651	310.00	0.1638	0.04039
V	51	3	He	0.122	0.0603	298.01	0.1638	0.04039
V	51	3	He	0.129	0.0615	302.01	0.1638	0.04039
Cr	52	3	He	-0.101	0.0731	760.05	0.1041	0.08357
Cr	52	3	He	0.024	0.0861	810.05	0.1041	0.08357
Cr	52	3	He	-0.137	0.0693	690.04	0.1041	0.08357
Mn	55	3	He	1.835	0.1009	1050.08	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	1.73	0.0956	900.06	0.0509	0.00756
Mn	55	3	He	2.043	0.1115	1110.08	0.0509	0.00756
Fe	57	3	He	8.982	0.0609	290.01	0.0041	0.02373
Fe	57	3	He	12.357	0.0749	370.02	0.0041	0.02373
Fe	57	3	He	10.992	0.0692	340.02	0.0041	0.02373
Co	59	3	He	-0.002	0.0096	100.00	0.1966	0.009981
Co	59	3	He	0.03	0.0159	150.01	0.1966	0.009981
Co	59	3	He	0.031	0.0161	160.01	0.1966	0.009981
Ni	60	3	He	0.946	0.0596	750.05	0.0432	0.01878
Ni	60	3	He	1.113	0.0668	830.05	0.0432	0.01878
Ni	60	3	He	1.155	0.0686	850.05	0.0432	0.01878
Cu	63	3	He	1.34	0.1757	2210.25	0.1222	0.01194
Cu	63	3	He	1.372	0.1796	2230.24	0.1222	0.01194
Cu	63	3	He	1.304	0.1712	2120.24	0.1222	0.01194
Zn	66	3	He	4.607	0.0763	960.07	0.0159	0.002839
Zn	66	3	He	4.518	0.0749	930.07	0.0159	0.002839
Zn	66	3	He	3.874	0.0646	800.05	0.0159	0.002839
As	75	3	He	0.287	0.0048	60.00	0.0132	0.0009658
As	75	3	He	0.231	0.004	50.00	0.0132	0.0009658
As	75	3	He	0.159	0.0031	38.00	0.0132	0.0009658
Sr	88	3	He	400.498	34.5997	359980.27	0.0864	0.005458
Sr	88	3	He	434.424	37.5303	353285.93	0.0864	0.005458
Sr	88	3	He	411.104	35.5159	353517.85	0.0864	0.005458
Mo	98	3	He	0.448	0.0155	880.06	0.0303	0.001942
Mo	98	3	He	0.539	0.0183	1050.08	0.0303	0.001942
Mo	98	3	He	0.46	0.0159	920.06	0.0303	0.001942
Ag	107	3	He	-0.001	0.0019	20.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.0011	10.00	0.3501	0.002425
Ag	107	3	He	0.007	0.005	50.00	0.3501	0.002425
Cd	111	3	He	0.032	0.0015	16.00	0.0454	6.986E-05
Cd	111	3	He	0.017	0.0008	8.00	0.0454	6.986E-05
Cd	111	3	He	0.025	0.0012	12.00	0.0454	6.986E-05
Sn	120	3	He	0.307	0.0449	2540.32	0.0284	0.03615
Sn	120	3	He	0.205	0.042	2410.28	0.0284	0.03615
Sn	120	3	He	0.182	0.0413	2390.29	0.0284	0.03615
Sb	121	3	He	0.131	0.0042	240.01	0.0262	0.000803
Sb	121	3	He	0.129	0.0042	240.01	0.0262	0.000803
Sb	121	3	He	0.115	0.0038	220.01	0.0262	0.000803
Ba	137	3	He	88.766	0.873	49429.49	0.0098	0.0007342
Ba	137	3	He	84.57	0.8318	47754.36	0.0098	0.0007342
Ba	137	3	He	86.599	0.8517	49259.19	0.0098	0.0007342
Tl	205	3	He	0.143	0.0306	1730.17	0.1945	0.002744
Tl	205	3	He	0.121	0.0263	1510.15	0.1945	0.002744
Tl	205	3	He	0.116	0.0252	1460.13	0.1945	0.002744
Pb	208	3	He	0.021	0.0118	310.02	0.2651	0.006358
Pb	208	3	He	0.031	0.0146	390.02	0.2651	0.006358
Pb	208	3	He	0.022	0.0123	340.02	0.2651	0.006358
U	238	3	He	2.856	0.8634	48884.23	0.3022	0.0005338
U	238	3	He	2.754	0.8326	47799.66	0.3022	0.0005338
U	238	3	He	2.843	0.8595	49707.31	0.3022	0.0005338
Sc	45	1	No Gas			192913.59		
Sc	45	1	No Gas			192192.26		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			193064.59		
Ge	72	1	No Gas			123601.63		
Ge	72	1	No Gas			120200.85		
Ge	72	1	No Gas			121937.85		
Sc	45	2	H2			37469.32		
Sc	45	2	H2			36867.47		
Sc	45	2	H2			35213.43		
Ge	72	2	H2			28349.04		
Ge	72	2	H2			28519.19		
Ge	72	2	H2			27487.01		
In	115	2	H2			66820.73		
In	115	2	H2			69253.15		
In	115	2	H2			65997.25		
Sc	45	3	He			4760.97		
Sc	45	3	He			4940.98		
Sc	45	3	He			4911.02		
Ge	72	3	He			10404.13		
Ge	72	3	He			9413.36		
Ge	72	3	He			9953.80		
In	115	3	He			12596.13		
In	115	3	He			12435.93		
In	115	3	He			12395.89		
Tb	159	3	He			56619.01		
Tb	159	3	He			57412.39		
Tb	159	3	He			57834.93		
Bi	209	3	He			47035.26		
Bi	209	3	He			45941.32		
Bi	209	3	He			46944.88		

Quantitation Report

Data File Name	064SMPL.d
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\25F12B00.b
Acq Time	6/12/2025 6:24:59 PM
Sample Name	410-224903-G-4-A
Sample Type	Sample
Comment	MS-C11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

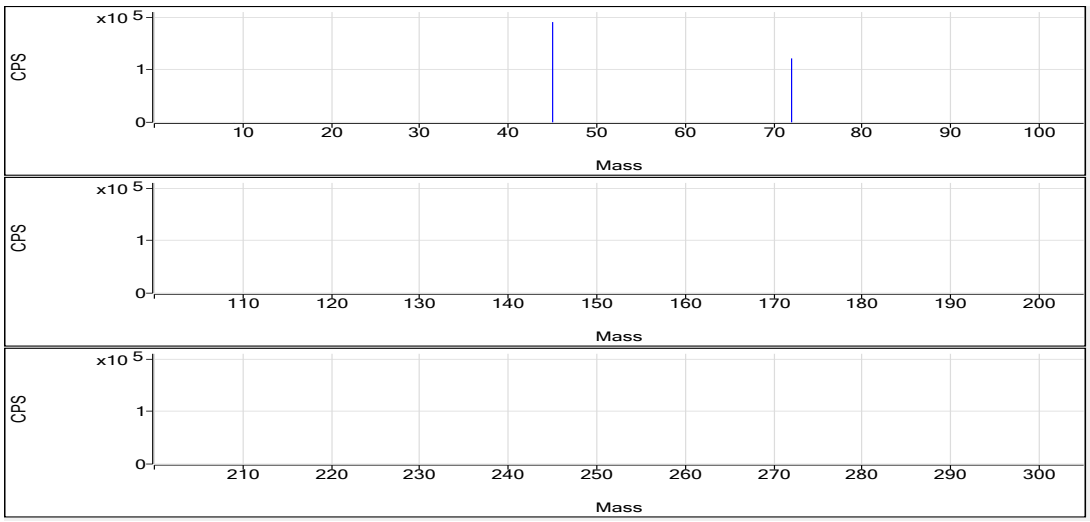
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.082	ppb	34.7	85.33	0.0004	Pulse	0.5000	3
Se	78	72	H2	0.116	ppb	38.1	13.78	0.0005	Pulse	1.5000	3
Na	23	45	He	2193.039	ppb	2.3	239782.15	48.2775	Pulse	0.1000	3
Mg	24	45	He	44744.386	ppb	1.9	2421081.79	487.4424	Pulse	0.1000	3
Al	27	45	He	4.084	ppb	28.5	120.00	0.0242	Pulse	0.1000	3
K	39	45	He	2300.432	ppb	3.6	119156.38	23.9908	Pulse	0.1000	3
Ca	44	115	He	79301.566	ppb	0.9	210939.82	17.3728	Pulse	0.1000	3
Ti	47	72	He	0.679	ppb	41.9	13.33	0.0014	Pulse	0.1000	3
V	51	45	He	0.047	ppb	45.5	238.67	0.0480	Pulse	0.5000	3
Cr	52	72	He	-0.139	ppb	N/A	663.38	0.0691	Pulse	0.1000	3
Mn	55	72	He	1.195	ppb	6.8	656.70	0.0684	Pulse	0.1000	3
Fe	57	45	He	12.275	ppb	33.4	370.02	0.0745	Pulse	0.1000	3
Co	59	72	He	0.011	ppb	229.5	116.67	0.0122	Pulse	0.1000	3
Ni	60	115	He	0.511	ppb	26.5	496.70	0.0408	Pulse	0.1000	3
Cu	63	115	He	73.978	ppb	1.8	109864.51	9.0492	Pulse	0.1000	3
Zn	66	115	He	669.168	ppb	1.2	129587.54	10.6730	Pulse	0.1000	3
As	75	115	He	0.122	ppb	68.8	31.33	0.0026	Pulse	0.5000	3
Sr	88	72	He	264.193	ppb	1.7	219153.62	22.8260	Pulse	0.1000	3
Mo	98	159	He	0.177	ppb	31.6	406.69	0.0073	Pulse	0.1000	3
Ag	107	72	He	-0.003	ppb	N/A	13.33	0.0014	Pulse	0.1000	3
Cd	111	72	He	0.004	ppb	153.6	2.67	0.0003	Pulse	0.5000	3
Sn	120	159	He	0.128	ppb	11.9	2210.26	0.0398	Pulse	0.1000	3
Sb	121	159	He	-0.005	ppb	N/A	36.67	0.0007	Pulse	0.1000	3
Ba	137	159	He	97.929	ppb	3.1	53505.14	0.9631	Pulse	0.1000	3
Tl	205	159	He	0.006	ppb	76.3	213.34	0.0038	Pulse	0.1000	3
Pb	208	159	He	0.024	ppb	16.4	703.37	0.0127	Pulse	0.1000	3
U	238	159	He	0.935	ppb	3.9	15720.13	0.2830	Pulse	0.1000	3

ISTD Table:

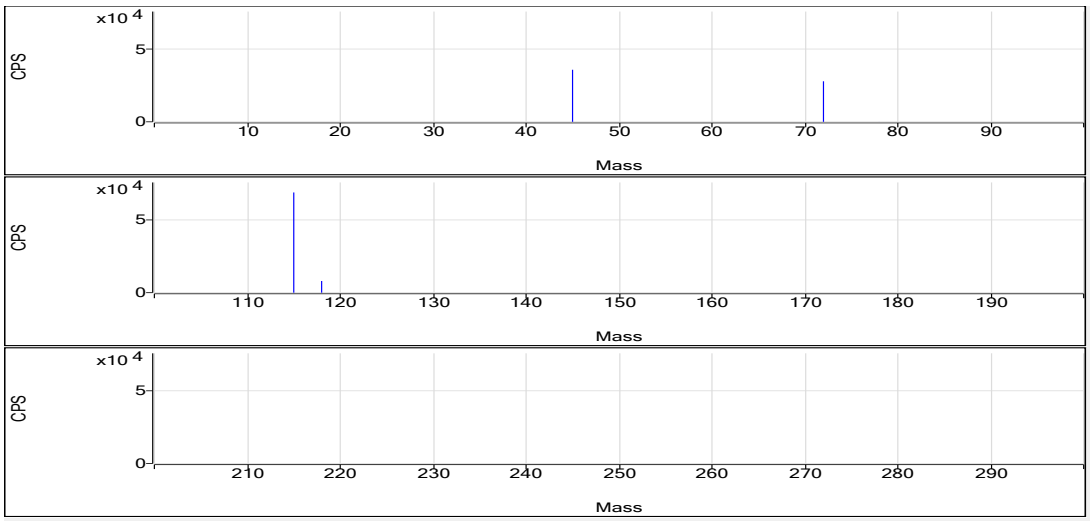
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	190526.61	0.5	104.0	Pulse	0.1000	3
No Gas	Ge	72	121466.29	0.5	108.5	Pulse	0.1000	3
H2	Sc	45	35681.26	1.8	105.2	Pulse	0.1000	3
H2	Ge	72	27780.91	0.5	107.4	Pulse	0.1000	3
H2	In	115	68697.07	0.7	107.4	Pulse	0.1000	3
He	Sc	45	4967.69	1.3	104.5	Pulse	0.1000	3
He	Ge	72	9603.48	2.3	98.7	Pulse	0.1000	3
He	In	115	12143.08	1.5	103.7	Pulse	0.1000	3
He	Tb	159	55571.70	1.3	111.4	Pulse	0.1000	3
He	Bi	209	46366.59	1.8	113.4	Pulse	0.1000	3

No Gas

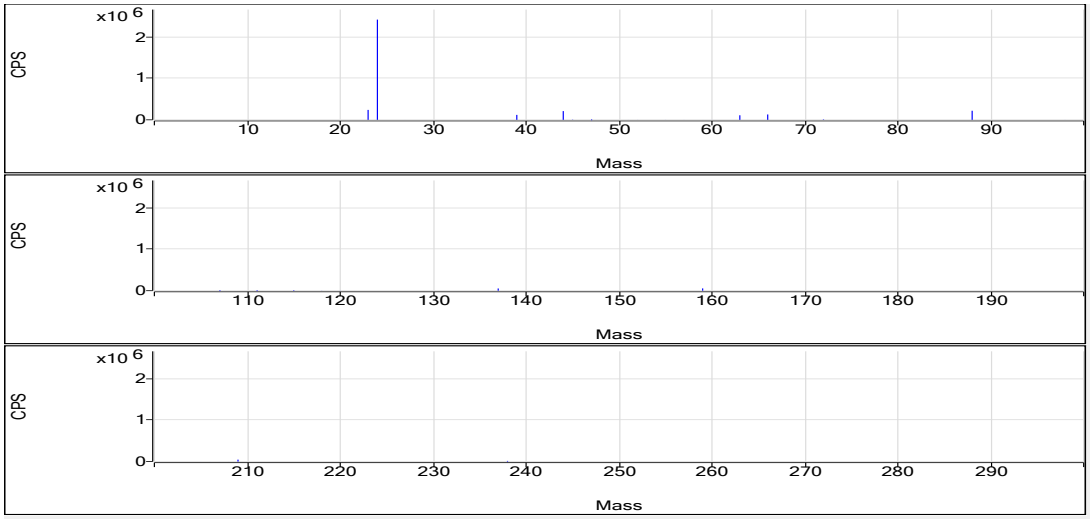


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.073	0.0004	80.00	0.0035	0.0001638
Be	9	1	No Gas	0.059	0.0004	70.00	0.0035	0.0001638
Be	9	1	No Gas	0.114	0.0006	106.00	0.0035	0.0001638
Se	78	2	H2	0.159	0.0006	18.00	0.0035	8.664E-05
Se	78	2	H2	0.117	0.0005	14.00	0.0035	8.664E-05
Se	78	2	H2	0.071	0.0003	9.33	0.0035	8.664E-05
Na	23	3	He	2206.218	48.5628	239951.97	0.0216	0.8064
Na	23	3	He	2234.573	49.1765	241996.68	0.0216	0.8064
Na	23	3	He	2138.325	47.0931	237397.79	0.0216	0.8064
Mg	24	3	He	45246.345	492.9095	2435500.59	0.0109	0.1054
Mg	24	3	He	45204.517	492.454	2423356.21	0.0109	0.1054
Mg	24	3	He	43782.296	476.9637	2404388.56	0.0109	0.1054
Al	27	3	He	4.109	0.0243	120.00	0.0037	0.009095
Al	27	3	He	5.236	0.0285	140.01	0.0037	0.009095
Al	27	3	He	2.906	0.0198	100.00	0.0037	0.009095
K	39	3	He	2389.022	24.8636	122852.63	0.0099	1.328
K	39	3	He	2284.344	23.8324	117278.53	0.0099	1.328
K	39	3	He	2227.929	23.2766	117337.99	0.0099	1.328
Ca	44	3	He	78927.499	17.2909	211864.61	0.0002	0.004867
Ca	44	3	He	80152.677	17.5592	209539.27	0.0002	0.004867
Ca	44	3	He	78824.521	17.2683	211415.58	0.0002	0.004867
Ti	47	3	He	0.505	0.001	10.00	0.002	0
Ti	47	3	He	1.007	0.0021	20.00	0.002	0
Ti	47	3	He	0.525	0.0011	10.00	0.002	0
V	51	3	He	0.038	0.0465	230.00	0.1638	0.04039
V	51	3	He	0.031	0.0455	224.00	0.1638	0.04039
V	51	3	He	0.071	0.052	262.00	0.1638	0.04039
Cr	52	3	He	-0.12	0.071	690.05	0.1041	0.08357
Cr	52	3	He	-0.191	0.0636	620.04	0.1041	0.08357
Cr	52	3	He	-0.104	0.0727	680.04	0.1041	0.08357
Mn	55	3	He	1.288	0.0731	710.04	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	1.142	0.0657	640.04	0.0509	0.00756
Mn	55	3	He	1.154	0.0663	620.03	0.0509	0.00756
Fe	57	3	He	8.935	0.0607	300.02	0.0041	0.02373
Fe	57	3	He	16.849	0.0935	460.03	0.0041	0.02373
Fe	57	3	He	11.04	0.0694	350.02	0.0041	0.02373
Co	59	3	He	-0.004	0.0093	90.00	0.1966	0.009981
Co	59	3	He	-0.004	0.0092	90.00	0.1966	0.009981
Co	59	3	He	0.042	0.0182	170.01	0.1966	0.009981
Ni	60	3	He	0.548	0.0424	520.03	0.0432	0.01878
Ni	60	3	He	0.361	0.0344	410.03	0.0432	0.01878
Ni	60	3	He	0.625	0.0457	560.03	0.0432	0.01878
Cu	63	3	He	73.227	8.9575	109756.17	0.1222	0.01194
Cu	63	3	He	75.545	9.2406	110270.87	0.1222	0.01194
Cu	63	3	He	73.161	8.9493	109566.48	0.1222	0.01194
Zn	66	3	He	663.771	10.587	129721.80	0.0159	0.002839
Zn	66	3	He	678.697	10.825	129177.77	0.0159	0.002839
Zn	66	3	He	665.036	10.6072	129863.05	0.0159	0.002839
As	75	3	He	0.161	0.0031	38.00	0.0132	0.0009658
As	75	3	He	0.18	0.0034	40.00	0.0132	0.0009658
As	75	3	He	0.026	0.0013	16.00	0.0132	0.0009658
Sr	88	3	He	262.683	22.6956	220455.86	0.0864	0.005458
Sr	88	3	He	260.671	22.5218	219441.77	0.0864	0.005458
Sr	88	3	He	269.224	23.2606	217563.24	0.0864	0.005458
Mo	98	3	He	0.152	0.0066	360.02	0.0303	0.001942
Mo	98	3	He	0.137	0.0061	340.02	0.0303	0.001942
Mo	98	3	He	0.241	0.0092	520.03	0.0303	0.001942
Ag	107	3	He	-0.001	0.0021	20.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.0021	20.00	0.3501	0.002425
Ag	107	3	He	-0.007	0	0.00	0.3501	0.002425
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.012	0.0006	6.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Sn	120	3	He	0.121	0.0396	2170.28	0.0284	0.03615
Sn	120	3	He	0.145	0.0403	2240.24	0.0284	0.03615
Sn	120	3	He	0.117	0.0395	2220.26	0.0284	0.03615
Sb	121	3	He	-0.003	0.0007	40.00	0.0262	0.000803
Sb	121	3	He	-0.017	0.0004	20.00	0.0262	0.000803
Sb	121	3	He	0.003	0.0009	50.00	0.0262	0.000803
Ba	137	3	He	100.716	0.9904	54318.30	0.0098	0.0007342
Ba	137	3	He	98.417	0.9679	53846.57	0.0098	0.0007342
Ba	137	3	He	94.654	0.9309	52350.56	0.0098	0.0007342
Tl	205	3	He	0.008	0.0044	240.01	0.1945	0.002744
Tl	205	3	He	0.001	0.0029	160.01	0.1945	0.002744
Tl	205	3	He	0.008	0.0043	240.01	0.1945	0.002744
Pb	208	3	He	0.022	0.0122	270.01	0.2651	0.006358
Pb	208	3	He	0.028	0.0138	390.02	0.2651	0.006358
Pb	208	3	He	0.021	0.0119	330.02	0.2651	0.006358
U	238	3	He	0.976	0.2954	16200.68	0.3022	0.0005338
U	238	3	He	0.905	0.2739	15239.58	0.3022	0.0005338
U	238	3	He	0.923	0.2795	15720.12	0.3022	0.0005338
Sc	45	1	No Gas			191606.85		
Sc	45	1	No Gas			190151.07		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			189821.91		
Ge	72	1	No Gas			121806.30		
Ge	72	1	No Gas			121835.43		
Ge	72	1	No Gas			120757.15		
Sc	45	2	H2			36336.36		
Sc	45	2	H2			35083.15		
Sc	45	2	H2			35624.27		
Ge	72	2	H2			27747.49		
Ge	72	2	H2			27927.84		
Ge	72	2	H2			27667.39		
In	115	2	H2			69153.12		
In	115	2	H2			68228.23		
In	115	2	H2			68709.85		
Sc	45	3	He			4941.07		
Sc	45	3	He			4920.98		
Sc	45	3	He			5041.03		
Ge	72	3	He			9713.60		
Ge	72	3	He			9743.54		
Ge	72	3	He			9353.30		
In	115	3	He			12265.92		
In	115	3	He			11945.70		
In	115	3	He			12255.92		
Tb	159	3	He			54842.37		
Tb	159	3	He			55634.99		
Tb	159	3	He			56237.73		
Bi	209	3	He			45429.92		
Bi	209	3	He			46924.83		
Bi	209	3	He			46745.03		

Quantitation Report

Data File Name	065SMPL.d
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\25F12B00.b
Acq Time	6/12/2025 6:27:01 PM
Sample Name	410-224903-G-1-A
Sample Type	Sample
Comment	MS-C11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

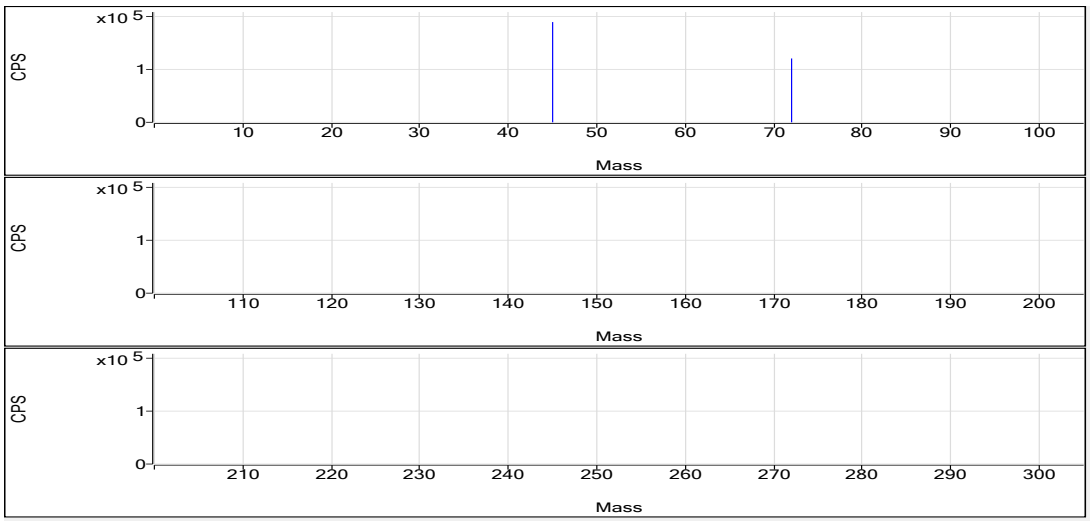
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.037	ppb	41.1	55.33	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.737	ppb	9.2	72.89	0.0027	Pulse	1.5000	3
Na	23	45	He	37724.446	ppb	5.0	3908368.48	817.3991	Pulse	0.1000	3
Mg	24	45	He	28971.450	ppb	4.7	1509438.68	315.6502	Pulse	0.1000	3
Al	27	45	He	2.280	ppb	48.7	83.33	0.0175	Pulse	0.1000	3
K	39	45	He	4711.494	ppb	4.1	228370.27	47.7431	Pulse	0.1000	3
Ca	44	115	He	100582.506	ppb	0.8	273977.01	22.0336	Pulse	0.1000	3
Ti	47	72	He	0.681	ppb	117.7	13.33	0.0014	Pulse	0.1000	3
V	51	45	He	0.045	ppb	80.9	228.67	0.0478	Pulse	0.5000	3
Cr	52	72	He	1.776	ppb	6.6	2590.33	0.2685	Pulse	0.1000	3
Mn	55	72	He	4.004	ppb	9.8	2036.88	0.2113	Pulse	0.1000	3
Fe	57	45	He	15.240	ppb	16.2	416.69	0.0868	Pulse	0.1000	3
Co	59	72	He	0.217	ppb	12.1	506.69	0.0526	Pulse	0.1000	3
Ni	60	115	He	2.013	ppb	9.0	1313.45	0.1057	Pulse	0.1000	3
Cu	63	115	He	1.921	ppb	4.6	3067.12	0.2466	Pulse	0.1000	3
Zn	66	115	He	20.294	ppb	6.6	4057.38	0.3264	Pulse	0.1000	3
As	75	115	He	0.089	ppb	54.6	26.67	0.0021	Pulse	0.5000	3
Sr	88	72	He	165.208	ppb	4.4	137699.24	14.2759	Pulse	0.1000	3
Mo	98	159	He	0.278	ppb	8.8	573.37	0.0104	Pulse	0.1000	3
Ag	107	72	He	-0.004	ppb	N/A	10.00	0.0010	Pulse	0.1000	3
Cd	111	72	He	0.012	ppb	77.1	6.00	0.0006	Pulse	0.5000	3
Sn	120	159	He	0.280	ppb	23.6	2436.96	0.0441	Pulse	0.1000	3
Sb	121	159	He	0.002	ppb	1127.0	46.67	0.0008	Pulse	0.1000	3
Ba	137	159	He	50.500	ppb	2.6	27454.95	0.4970	Pulse	0.1000	3
Tl	205	159	He	-0.004	ppb	N/A	113.34	0.0021	Pulse	0.1000	3
Pb	208	159	He	0.000	ppb	N/A	346.68	0.0063	Pulse	0.1000	3
U	238	159	He	0.209	ppb	4.1	3523.95	0.0638	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	188729.94	0.4	103.0	Pulse	0.1000	3
No Gas	Ge	72	120202.33	1.5	107.3	Pulse	0.1000	3
H2	Sc	45	35982.07	2.4	106.1	Pulse	0.1000	3
H2	Ge	72	27123.32	1.5	104.9	Pulse	0.1000	3
H2	In	115	66741.21	0.8	104.4	Pulse	0.1000	3
He	Sc	45	4790.98	6.0	100.8	Pulse	0.1000	3
He	Ge	72	9660.25	5.3	99.3	Pulse	0.1000	3
He	In	115	12433.89	0.9	106.2	Pulse	0.1000	3
He	Tb	159	55250.58	0.8	110.7	Pulse	0.1000	3
He	Bi	209	45580.47	2.1	111.5	Pulse	0.1000	3

No Gas



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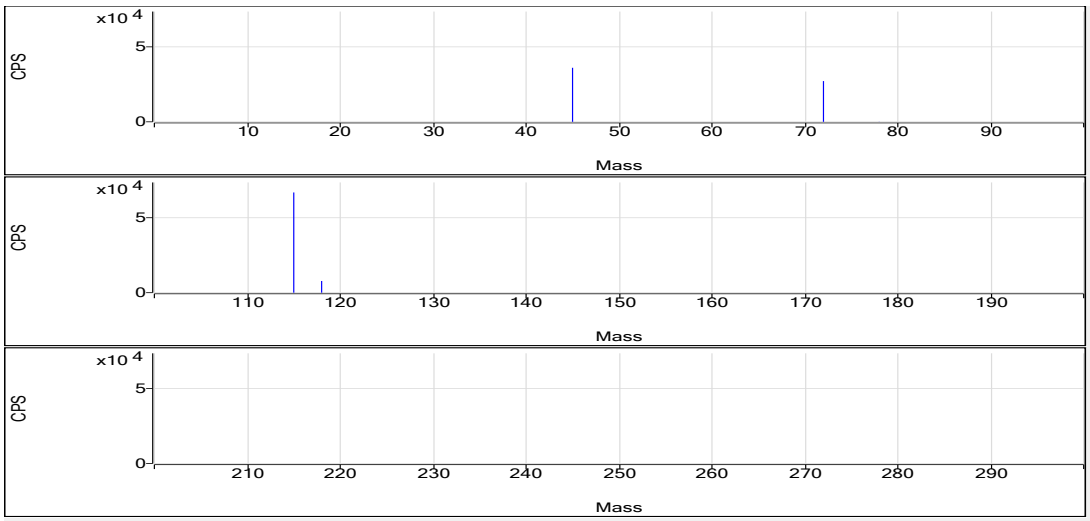
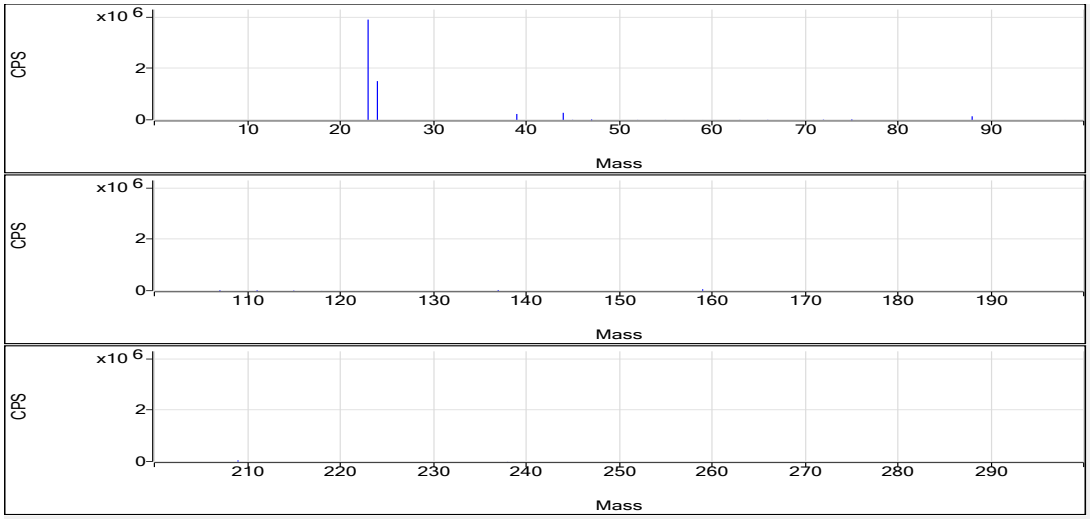


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.035	0.0003	54.00	0.0035	0.0001638
Be	9	1	No Gas	0.054	0.0004	66.00	0.0035	0.0001638
Be	9	1	No Gas	0.023	0.0002	46.00	0.0035	0.0001638
Se	78	2	H2	0.813	0.003	80.67	0.0035	8.664E-05
Se	78	2	H2	0.712	0.0026	69.33	0.0035	8.664E-05
Se	78	2	H2	0.684	0.0025	68.67	0.0035	8.664E-05
Na	23	3	He	35842.666	776.6657	3938525.88	0.0216	0.8064
Na	23	3	He	37710.578	817.0989	3922859.32	0.0216	0.8064
Na	23	3	He	39620.095	858.4328	3863720.25	0.0216	0.8064
Mg	24	3	He	27576.286	300.4547	1523626.85	0.0109	0.1054
Mg	24	3	He	29020.791	316.1876	1518004.20	0.0109	0.1054
Mg	24	3	He	30317.273	330.3084	1486684.98	0.0109	0.1054
Al	27	3	He	1.807	0.0158	80.00	0.0037	0.009095
Al	27	3	He	1.484	0.0146	70.00	0.0037	0.009095
Al	27	3	He	3.55	0.0222	100.00	0.0037	0.009095
K	39	3	He	4522.285	45.8791	232656.15	0.0099	1.328
K	39	3	He	4699.928	47.6291	228665.56	0.0099	1.328
K	39	3	He	4912.268	49.721	223789.10	0.0099	1.328
Ca	44	3	He	101500.787	22.2347	279132.42	0.0002	0.004867
Ca	44	3	He	100398.74	21.9933	273261.30	0.0002	0.004867
Ca	44	3	He	99847.992	21.8727	269537.30	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0.479	0.001	10.00	0.002	0
Ti	47	3	He	1.564	0.0032	30.00	0.002	0
V	51	3	He	0.011	0.0422	214.00	0.1638	0.04039
V	51	3	He	0.084	0.0542	260.00	0.1638	0.04039
V	51	3	He	0.041	0.0471	212.00	0.1638	0.04039
Cr	52	3	He	1.897	0.2811	2620.33	0.1041	0.08357
Cr	52	3	He	1.663	0.2568	2630.34	0.1041	0.08357
Cr	52	3	He	1.769	0.2677	2520.32	0.1041	0.08357
Mn	55	3	He	3.878	0.2049	1910.18	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	3.689	0.1953	2000.21	0.0509	0.00756
Mn	55	3	He	4.445	0.2337	2200.25	0.0509	0.00756
Fe	57	3	He	14.751	0.0848	430.02	0.0041	0.02373
Fe	57	3	He	17.917	0.0979	470.03	0.0041	0.02373
Fe	57	3	He	13.053	0.0778	350.02	0.0041	0.02373
Co	59	3	He	0.238	0.0569	530.03	0.1966	0.009981
Co	59	3	He	0.188	0.0469	480.02	0.1966	0.009981
Co	59	3	He	0.225	0.0542	510.03	0.1966	0.009981
Ni	60	3	He	1.817	0.0972	1220.10	0.0432	0.01878
Ni	60	3	He	2.176	0.1127	1400.13	0.0432	0.01878
Ni	60	3	He	2.047	0.1071	1320.11	0.0432	0.01878
Cu	63	3	He	2.009	0.2573	3230.51	0.1222	0.01194
Cu	63	3	He	1.833	0.2359	2930.43	0.1222	0.01194
Cu	63	3	He	1.922	0.2467	3040.42	0.1222	0.01194
Zn	66	3	He	18.758	0.3019	3790.62	0.0159	0.002839
Zn	66	3	He	20.874	0.3357	4170.75	0.0159	0.002839
Zn	66	3	He	21.251	0.3417	4210.78	0.0159	0.002839
As	75	3	He	0.096	0.0022	28.00	0.0132	0.0009658
As	75	3	He	0.134	0.0027	34.00	0.0132	0.0009658
As	75	3	He	0.037	0.0015	18.00	0.0132	0.0009658
Sr	88	3	He	171.08	14.7831	137826.54	0.0864	0.005458
Sr	88	3	He	157.103	13.5757	139069.81	0.0864	0.005458
Sr	88	3	He	167.442	14.4688	136201.38	0.0864	0.005458
Mo	98	3	He	0.261	0.0099	540.03	0.0303	0.001942
Mo	98	3	He	0.267	0.01	560.03	0.0303	0.001942
Mo	98	3	He	0.306	0.0112	620.04	0.0303	0.001942
Ag	107	3	He	-0.007	0	0.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.0021	20.00	0.3501	0.002425
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.011	0.0006	6.00	0.0454	6.986E-05
Cd	111	3	He	0.022	0.0011	10.00	0.0454	6.986E-05
Sn	120	3	He	0.262	0.0436	2390.28	0.0284	0.03615
Sn	120	3	He	0.225	0.0425	2370.29	0.0284	0.03615
Sn	120	3	He	0.353	0.0462	2550.31	0.0284	0.03615
Sb	121	3	He	-0.017	0.0004	20.00	0.0262	0.000803
Sb	121	3	He	0.004	0.0009	50.00	0.0262	0.000803
Sb	121	3	He	0.018	0.0013	70.00	0.0262	0.000803
Ba	137	3	He	51.667	0.5085	27869.15	0.0098	0.0007342
Ba	137	3	He	49.115	0.4834	26937.00	0.0098	0.0007342
Ba	137	3	He	50.718	0.4991	27558.70	0.0098	0.0007342
Tl	205	3	He	-0.005	0.0018	100.00	0.1945	0.002744
Tl	205	3	He	-0.006	0.0016	90.00	0.1945	0.002744
Tl	205	3	He	0	0.0027	150.01	0.1945	0.002744
Pb	208	3	He	-0.002	0.0058	150.01	0.2651	0.006358
Pb	208	3	He	-0.006	0.0047	160.01	0.2651	0.006358
Pb	208	3	He	0.007	0.0083	220.01	0.2651	0.006358
U	238	3	He	0.204	0.062	3400.57	0.3022	0.0005338
U	238	3	He	0.219	0.0668	3720.68	0.3022	0.0005338
U	238	3	He	0.205	0.0625	3450.61	0.3022	0.0005338
Sc	45	1	No Gas			189600.58		
Sc	45	1	No Gas			188568.94		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			188020.31		
Ge	72	1	No Gas			120554.72		
Ge	72	1	No Gas			121825.90		
Ge	72	1	No Gas			118226.37		
Sc	45	2	H2			36306.33		
Sc	45	2	H2			34992.64		
Sc	45	2	H2			36647.25		
Ge	72	2	H2			27286.95		
Ge	72	2	H2			26645.91		
Ge	72	2	H2			27437.09		
In	115	2	H2			66158.35		
In	115	2	H2			66811.35		
In	115	2	H2			67253.94		
Sc	45	3	He			5071.07		
Sc	45	3	He			4800.96		
Sc	45	3	He			4500.90		
Ge	72	3	He			9323.27		
Ge	72	3	He			10244.01		
Ge	72	3	He			9413.46		
In	115	3	He			12566.17		
In	115	3	He			12436.05		
In	115	3	He			12335.87		
Tb	159	3	He			54811.67		
Tb	159	3	He			55726.39		
Tb	159	3	He			55213.68		
Bi	209	3	He			44617.03		
Bi	209	3	He			45560.36		
Bi	209	3	He			46564.01		

Quantitation Report

Data File Name	066SMPL.d
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Acq Time	6/12/2025 6:29:03 PM
Sample Name	410-224326-O-2-A
Sample Type	Sample
Comment	MS-C11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

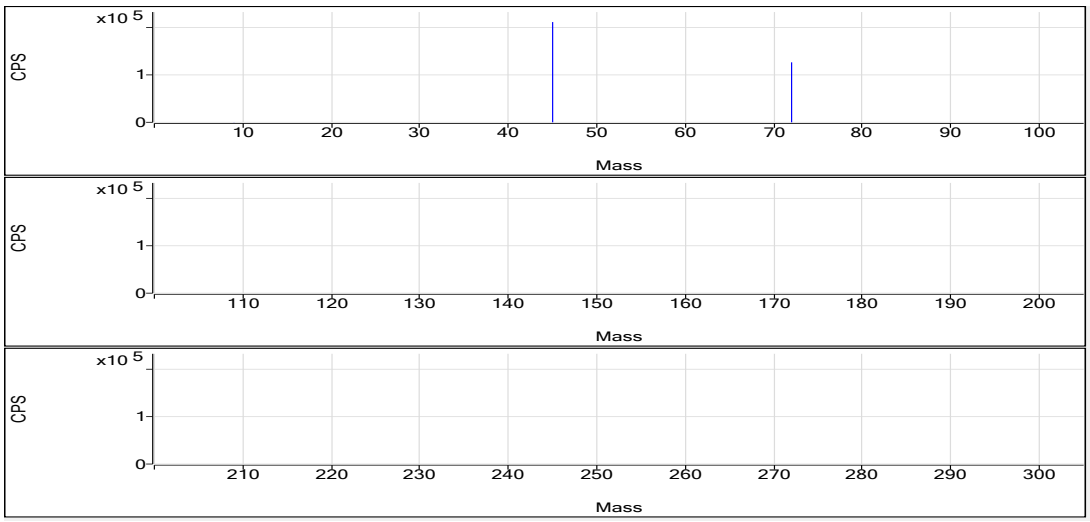
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.309	ppb	3.5	262.67	0.0012	Pulse	0.5000	3
Se	78	72	H2	0.074	ppb	6.2	9.78	0.0003	Pulse	1.5000	3
Na	23	45	He	6697.244	ppb	4.2	763282.33	145.7766	Pulse	0.1000	3
Mg	24	45	He	7224.419	ppb	4.4	412527.36	78.7907	Pulse	0.1000	3
Al	27	45	He	6831.501	ppb	3.2	132317.27	25.2641	Pulse	0.1000	3
K	39	45	He	3106.812	ppb	2.9	167264.59	31.9348	Pulse	0.1000	3
Ca	44	115	He	17258.816	ppb	2.4	47344.46	3.7847	Pulse	0.1000	3
Ti	47	72	He	132.774	ppb	6.9	2733.69	0.2706	Pulse	0.1000	3
V	51	45	He	11.906	ppb	3.9	10426.45	1.9910	Pulse	0.5000	3
Cr	52	72	He	8.313	ppb	5.4	9580.13	0.9492	Pulse	0.1000	3
Mn	55	72	He	56.965	ppb	2.9	29347.12	2.9063	Pulse	0.1000	3
Fe	57	45	He	6250.308	ppb	3.8	135629.31	25.9001	Pulse	0.1000	3
Co	59	72	He	1.948	ppb	5.8	3967.34	0.3930	Pulse	0.1000	3
Ni	60	115	He	7.076	ppb	7.8	4054.05	0.3241	Pulse	0.1000	3
Cu	63	115	He	5.693	ppb	1.8	8849.73	0.7074	Pulse	0.1000	3
Zn	66	115	He	14.800	ppb	7.3	2987.09	0.2388	Pulse	0.1000	3
As	75	115	He	2.162	ppb	5.7	370.01	0.0296	Pulse	0.5000	3
Sr	88	72	He	50.699	ppb	2.4	44280.08	4.3848	Pulse	0.1000	3
Mo	98	159	He	1.058	ppb	9.3	1943.55	0.0340	Pulse	0.1000	3
Ag	107	72	He	0.001	ppb	512.2	30.00	0.0029	Pulse	0.1000	3
Cd	111	72	He	0.033	ppb	20.9	16.00	0.0016	Pulse	0.5000	3
Sn	120	159	He	0.674	ppb	14.1	3153.81	0.0553	Pulse	0.1000	3
Sb	121	159	He	0.105	ppb	23.5	203.34	0.0036	Pulse	0.1000	3
Ba	137	159	He	52.659	ppb	3.4	29572.72	0.5182	Pulse	0.1000	3
Tl	205	159	He	0.067	ppb	27.2	893.39	0.0157	Pulse	0.1000	3
Pb	208	159	He	3.041	ppb	2.0	46367.47	0.8125	Pulse	0.1000	3
U	238	159	He	0.587	ppb	4.4	10140.98	0.1778	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	212191.53	1.5	115.8	Pulse	0.1000	3
No Gas	Ge	72	126956.99	0.5	113.4	Pulse	0.1000	3
H2	Sc	45	38608.77	1.3	113.8	Pulse	0.1000	3
H2	Ge	72	28165.25	3.4	108.9	Pulse	0.1000	3
H2	In	115	68304.85	2.3	106.8	Pulse	0.1000	3
He	Sc	45	5241.14	3.6	110.2	Pulse	0.1000	3
He	Ge	72	10103.92	3.3	103.8	Pulse	0.1000	3
He	In	115	12512.97	2.2	106.8	Pulse	0.1000	3
He	Tb	159	57061.15	1.6	114.4	Pulse	0.1000	3
He	Bi	209	47520.59	2.9	116.2	Pulse	0.1000	3

No Gas



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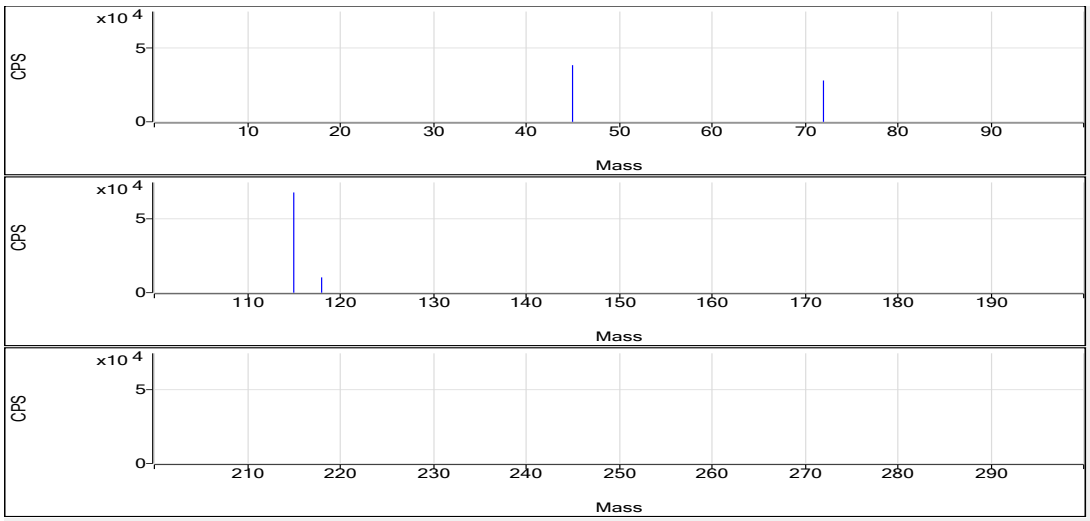
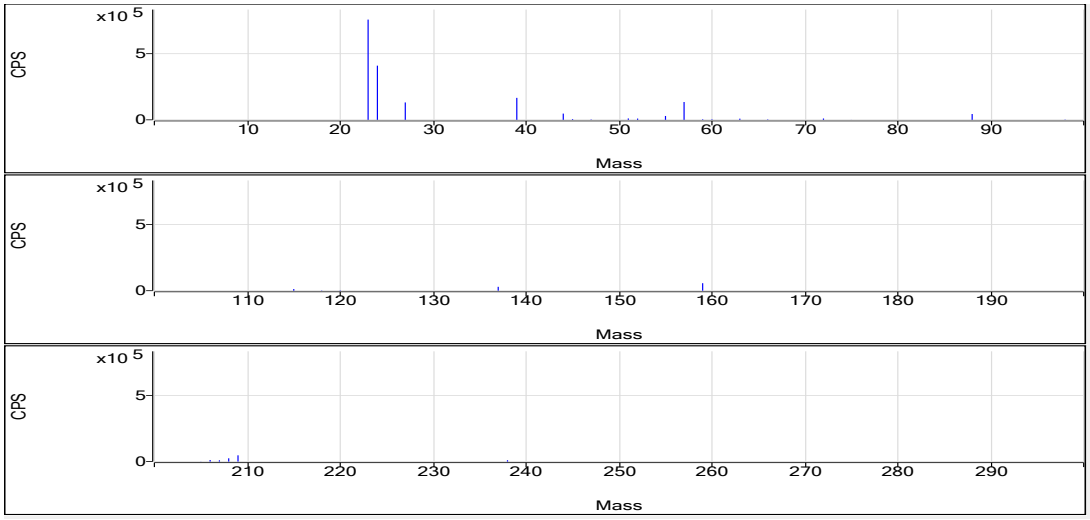


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.299	0.0012	260.00	0.0035	0.0001638
Be	9	1	No Gas	0.321	0.0013	270.00	0.0035	0.0001638
Be	9	1	No Gas	0.307	0.0012	258.00	0.0035	0.0001638
Se	78	2	H2	0.079	0.0004	10.67	0.0035	8.664E-05
Se	78	2	H2	0.07	0.0003	9.33	0.0035	8.664E-05
Se	78	2	H2	0.072	0.0003	9.33	0.0035	8.664E-05
Na	23	3	He	6713.678	146.1323	770284.05	0.0216	0.8064
Na	23	3	He	6972.868	151.7428	764943.27	0.0216	0.8064
Na	23	3	He	6405.185	139.4546	754619.68	0.0216	0.8064
Mg	24	3	He	7232.78	78.8818	415796.99	0.0109	0.1054
Mg	24	3	He	7537.961	82.2057	414403.00	0.0109	0.1054
Mg	24	3	He	6902.517	75.2847	407382.10	0.0109	0.1054
Al	27	3	He	6881.066	25.4474	134136.61	0.0037	0.009095
Al	27	3	He	7022.036	25.9685	130908.55	0.0037	0.009095
Al	27	3	He	6591.4	24.3765	131906.66	0.0037	0.009095
K	39	3	He	3071.689	31.5888	166508.83	0.0099	1.328
K	39	3	He	3210.525	32.9565	166135.33	0.0099	1.328
K	39	3	He	3038.22	31.2591	169149.61	0.0099	1.328
Ca	44	3	He	17303.875	3.7946	47999.81	0.0002	0.004867
Ca	44	3	He	16827.358	3.6902	46826.11	0.0002	0.004867
Ca	44	3	He	17645.216	3.8694	47207.45	0.0002	0.004867
Ti	47	3	He	134.346	0.2738	2870.41	0.002	0
Ti	47	3	He	141.088	0.2875	2830.36	0.002	0
Ti	47	3	He	122.888	0.2504	2500.30	0.002	0
V	51	3	He	11.62	1.9441	10247.67	0.1638	0.04039
V	51	3	He	12.438	2.0781	10475.80	0.1638	0.04039
V	51	3	He	11.661	1.9507	10555.88	0.1638	0.04039
Cr	52	3	He	7.811	0.8969	9403.34	0.1041	0.08357
Cr	52	3	He	8.665	0.9858	9703.62	0.1041	0.08357
Cr	52	3	He	8.464	0.9649	9633.44	0.1041	0.08357
Mn	55	3	He	55.054	2.8091	29450.71	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	57.844	2.9511	29049.83	0.0509	0.00756
Mn	55	3	He	57.998	2.9589	29540.82	0.0509	0.00756
Fe	57	3	He	6286.774	26.051	137318.72	0.0041	0.02373
Fe	57	3	He	6464.658	26.7875	135037.09	0.0041	0.02373
Fe	57	3	He	5999.492	24.8617	134532.11	0.0041	0.02373
Co	59	3	He	1.836	0.3711	3890.65	0.1966	0.009981
Co	59	3	He	1.944	0.3922	3860.65	0.1966	0.009981
Co	59	3	He	2.063	0.4157	4150.71	0.1966	0.009981
Ni	60	3	He	6.435	0.2965	3750.60	0.0432	0.01878
Ni	60	3	He	7.4	0.3381	4290.79	0.0432	0.01878
Ni	60	3	He	7.391	0.3378	4120.75	0.0432	0.01878
Cu	63	3	He	5.605	0.6967	8813.06	0.1222	0.01194
Cu	63	3	He	5.672	0.7048	8943.17	0.1222	0.01194
Cu	63	3	He	5.802	0.7207	8792.96	0.1222	0.01194
Zn	66	3	He	13.557	0.219	2770.36	0.0159	0.002839
Zn	66	3	He	15.393	0.2483	3150.48	0.0159	0.002839
Zn	66	3	He	15.451	0.2492	3040.42	0.0159	0.002839
As	75	3	He	2.173	0.0297	376.01	0.0132	0.0009658
As	75	3	He	2.035	0.0279	354.01	0.0132	0.0009658
As	75	3	He	2.28	0.0311	380.01	0.0132	0.0009658
Sr	88	3	He	49.408	4.2733	44801.43	0.0864	0.005458
Sr	88	3	He	51.883	4.4871	44169.91	0.0864	0.005458
Sr	88	3	He	50.806	4.394	43868.90	0.0864	0.005458
Mo	98	3	He	1.068	0.0343	1950.20	0.0303	0.001942
Mo	98	3	He	0.955	0.0309	1740.18	0.0303	0.001942
Mo	98	3	He	1.151	0.0369	2140.27	0.0303	0.001942
Ag	107	3	He	0.007	0.0048	50.00	0.3501	0.002425
Ag	107	3	He	-0.007	0	0.00	0.3501	0.002425
Ag	107	3	He	0.005	0.004	40.00	0.3501	0.002425
Cd	111	3	He	0.036	0.0017	18.00	0.0454	6.986E-05
Cd	111	3	He	0.025	0.0012	12.00	0.0454	6.986E-05
Cd	111	3	He	0.038	0.0018	18.00	0.0454	6.986E-05
Sn	120	3	He	0.736	0.0571	3240.47	0.0284	0.03615
Sn	120	3	He	0.721	0.0567	3190.51	0.0284	0.03615
Sn	120	3	He	0.564	0.0522	3030.45	0.0284	0.03615
Sb	121	3	He	0.091	0.0032	180.01	0.0262	0.000803
Sb	121	3	He	0.092	0.0032	180.01	0.0262	0.000803
Sb	121	3	He	0.134	0.0043	250.01	0.0262	0.000803
Ba	137	3	He	50.601	0.498	28280.09	0.0098	0.0007342
Ba	137	3	He	53.579	0.5272	29692.77	0.0098	0.0007342
Ba	137	3	He	53.799	0.5294	30745.31	0.0098	0.0007342
Tl	205	3	He	0.054	0.0132	750.05	0.1945	0.002744
Tl	205	3	He	0.087	0.0197	1110.08	0.1945	0.002744
Tl	205	3	He	0.058	0.0141	820.05	0.1945	0.002744
Pb	208	3	He	2.973	0.7945	23952.69	0.2651	0.006358
Pb	208	3	He	3.062	0.8183	24814.48	0.2651	0.006358
Pb	208	3	He	3.087	0.8247	25756.16	0.2651	0.006358
U	238	3	He	0.567	0.1719	9764.10	0.3022	0.0005338
U	238	3	He	0.616	0.1865	10504.56	0.3022	0.0005338
U	238	3	He	0.577	0.1748	10154.29	0.3022	0.0005338
Sc	45	1	No Gas			215842.89		
Sc	45	1	No Gas			211110.76		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			209620.93		
Ge	72	1	No Gas			126778.07		
Ge	72	1	No Gas			127686.62		
Ge	72	1	No Gas			126406.28		
Sc	45	2	H2			39083.19		
Sc	45	2	H2			38652.32		
Sc	45	2	H2			38090.81		
Ge	72	2	H2			29240.81		
Ge	72	2	H2			27898.05		
Ge	72	2	H2			27356.89		
In	115	2	H2			69102.38		
In	115	2	H2			69332.78		
In	115	2	H2			66479.38		
Sc	45	3	He			5271.14		
Sc	45	3	He			5041.05		
Sc	45	3	He			5411.22		
Ge	72	3	He			10484.11		
Ge	72	3	He			9843.84		
Ge	72	3	He			9983.82		
In	115	3	He			12666.09		
In	115	3	He			12706.31		
In	115	3	He			12215.82		
Tb	159	3	He			56790.36		
Tb	159	3	He			56317.70		
Tb	159	3	He			58075.38		
Bi	209	3	He			45991.39		
Bi	209	3	He			48601.75		
Bi	209	3	He			47968.64		

Quantitation Report

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Comment	MS-C11
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

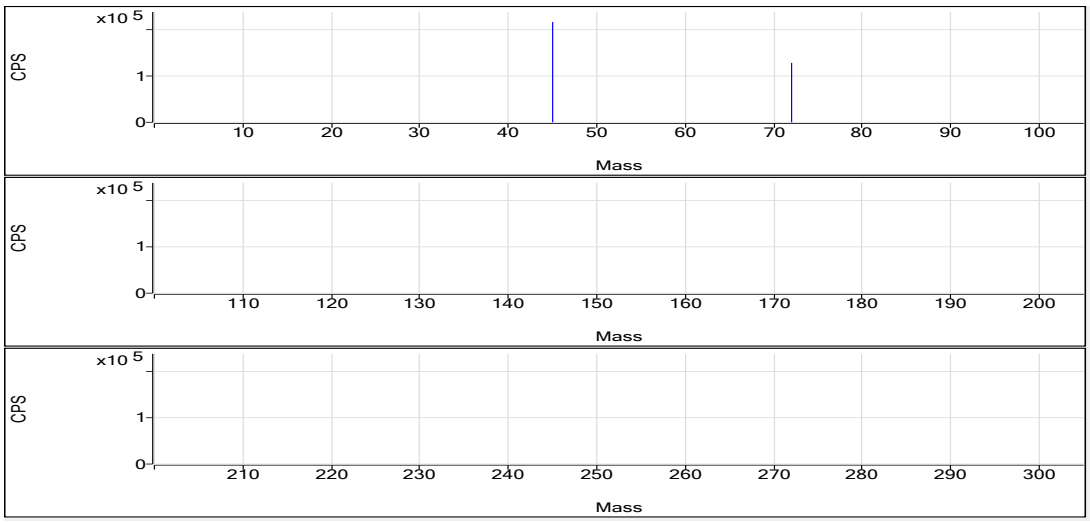
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.307	ppb	3.2	264.67	0.0012	Pulse	0.5000	3
Se	78	72	H2	0.074	ppb	33.1	9.78	0.0003	Pulse	1.5000	3
Na	23	45	He	3618.052	ppb	2.5	440656.69	79.1237	Pulse	0.1000	3
Mg	24	45	He	5569.988	ppb	3.0	338435.74	60.7714	Pulse	0.1000	3
Al	27	45	He	6737.670	ppb	4.2	138735.58	24.9173	Pulse	0.1000	3
K	39	45	He	5008.468	ppb	3.9	282130.01	50.6687	Pulse	0.1000	3
Ca	44	115	He	17675.173	ppb	3.4	48150.27	3.8759	Pulse	0.1000	3
Ti	47	72	He	132.388	ppb	9.3	2837.09	0.2698	Pulse	0.1000	3
V	51	45	He	12.111	ppb	3.1	11274.42	2.0246	Pulse	0.5000	3
Cr	52	72	He	8.812	ppb	2.8	10534.15	1.0011	Pulse	0.1000	3
Mn	55	72	He	54.105	ppb	1.5	29043.24	2.7608	Pulse	0.1000	3
Fe	57	45	He	6398.269	ppb	2.5	147663.20	26.5126	Pulse	0.1000	3
Co	59	72	He	2.003	ppb	5.1	4247.44	0.4038	Pulse	0.1000	3
Ni	60	115	He	7.453	ppb	9.6	4234.10	0.3404	Pulse	0.1000	3
Cu	63	115	He	6.604	ppb	3.2	10173.98	0.8187	Pulse	0.1000	3
Zn	66	115	He	16.587	ppb	4.2	3320.51	0.2673	Pulse	0.1000	3
As	75	115	He	2.285	ppb	11.3	388.01	0.0312	Pulse	0.5000	3
Sr	88	72	He	41.541	ppb	1.0	37808.02	3.5937	Pulse	0.1000	3
Mo	98	159	He	0.913	ppb	3.5	1720.18	0.0297	Pulse	0.1000	3
Ag	107	72	He	0.003	ppb	273.8	36.67	0.0035	Pulse	0.1000	3
Cd	111	72	He	0.047	ppb	5.5	23.33	0.0022	Pulse	0.5000	3
Sn	120	159	He	0.525	ppb	14.2	2963.76	0.0511	Pulse	0.1000	3
Sb	121	159	He	0.103	ppb	8.3	203.34	0.0035	Pulse	0.1000	3
Ba	137	159	He	51.987	ppb	2.2	29679.65	0.5116	Pulse	0.1000	3
Tl	205	159	He	0.052	ppb	16.0	743.39	0.0128	Pulse	0.1000	3
Pb	208	159	He	3.062	ppb	3.9	47468.59	0.8183	Pulse	0.1000	3
U	238	159	He	0.492	ppb	8.1	8659.89	0.1493	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	215319.25	0.7	117.5	Pulse	0.1000	3
No Gas	Ge	72	127684.37	0.7	114.0	Pulse	0.1000	3
H2	Sc	45	38839.44	1.8	114.5	Pulse	0.1000	3
H2	Ge	72	28004.96	2.8	108.3	Pulse	0.1000	3
H2	In	115	68234.69	1.6	106.7	Pulse	0.1000	3
He	Sc	45	5571.29	2.4	117.2	Pulse	0.1000	3
He	Ge	72	10520.90	0.9	108.1	Pulse	0.1000	3
He	In	115	12433.26	3.7	106.2	Pulse	0.1000	3
He	Tb	159	58022.13	1.1	116.3	Pulse	0.1000	3
He	Bi	209	47122.47	1.9	115.3	Pulse	0.1000	3

No Gas



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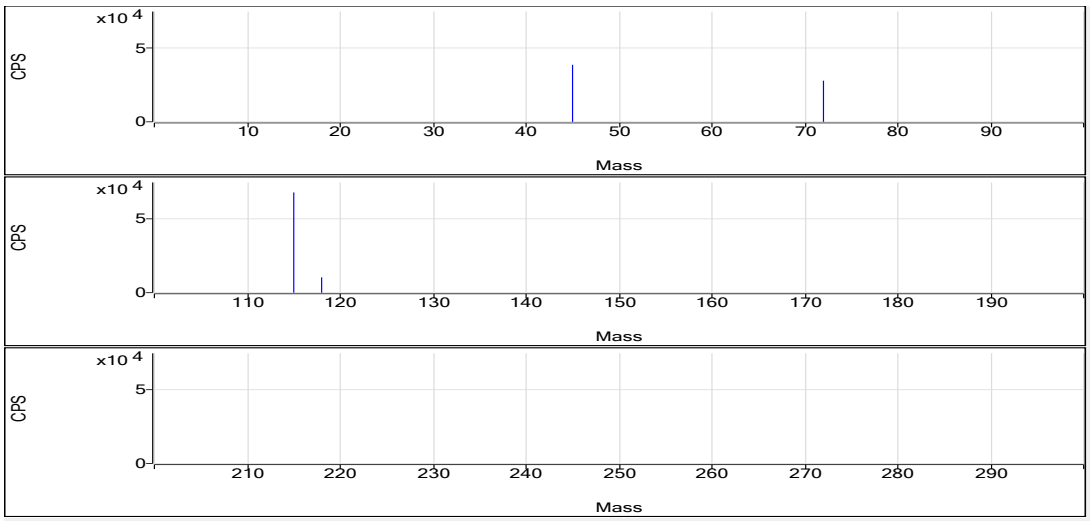
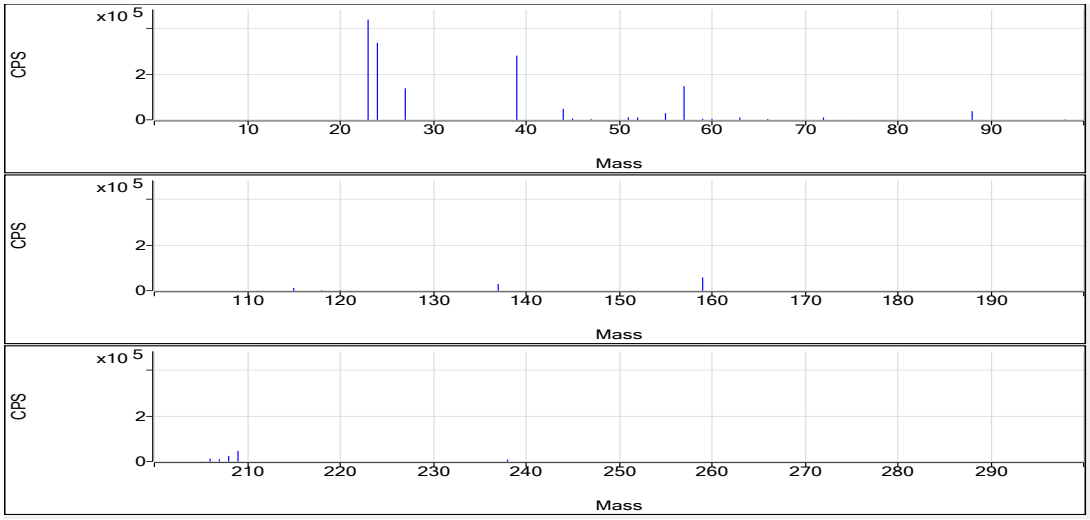


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.298	0.0012	256.00	0.0035	0.0001638
Be	9	1	No Gas	0.317	0.0013	274.00	0.0035	0.0001638
Be	9	1	No Gas	0.304	0.0012	264.00	0.0035	0.0001638
Se	78	2	H2	0.052	0.0003	7.33	0.0035	8.664E-05
Se	78	2	H2	0.1	0.0004	12.67	0.0035	8.664E-05
Se	78	2	H2	0.07	0.0003	9.33	0.0035	8.664E-05
Na	23	3	He	3719.191	81.3129	443255.50	0.0216	0.8064
Na	23	3	He	3539.083	77.4143	442139.25	0.0216	0.8064
Na	23	3	He	3595.884	78.6438	436575.31	0.0216	0.8064
Mg	24	3	He	5759.816	62.8389	342549.21	0.0109	0.1054
Mg	24	3	He	5449.25	59.4563	339575.31	0.0109	0.1054
Mg	24	3	He	5500.898	60.0189	333182.69	0.0109	0.1054
Al	27	3	He	7046.226	26.0579	142047.79	0.0037	0.009095
Al	27	3	He	6496.316	24.025	137214.94	0.0037	0.009095
Al	27	3	He	6670.469	24.6688	136944.01	0.0037	0.009095
K	39	3	He	5222.212	52.7743	287685.02	0.0099	1.328
K	39	3	He	4838.014	48.9895	279795.46	0.0099	1.328
K	39	3	He	4965.178	50.2422	278909.55	0.0099	1.328
Ca	44	3	He	17751.781	3.8927	48651.79	0.0002	0.004867
Ca	44	3	He	17031.977	3.7351	48039.84	0.0002	0.004867
Ca	44	3	He	18241.763	4	47759.18	0.0002	0.004867
Ti	47	3	He	119.05	0.2426	2570.31	0.002	0
Ti	47	3	He	134.849	0.2748	2900.43	0.002	0
Ti	47	3	He	143.265	0.292	3040.54	0.002	0
V	51	3	He	12.34	2.062	11240.39	0.1638	0.04039
V	51	3	He	11.677	1.9534	11156.32	0.1638	0.04039
V	51	3	He	12.318	2.0584	11426.55	0.1638	0.04039
Cr	52	3	He	8.956	1.016	10764.26	0.1041	0.08357
Cr	52	3	He	8.956	1.0161	10724.26	0.1041	0.08357
Cr	52	3	He	8.525	0.9712	10113.92	0.1041	0.08357
Mn	55	3	He	53.477	2.7288	28909.89	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	53.847	2.7477	28999.69	0.0509	0.00756
Mn	55	3	He	54.99	2.8058	29220.13	0.0509	0.00756
Fe	57	3	He	6580.119	27.2655	148630.52	0.0041	0.02373
Fe	57	3	He	6301.908	26.1137	149144.23	0.0041	0.02373
Fe	57	3	He	6312.78	26.1587	145214.86	0.0041	0.02373
Co	59	3	He	2.042	0.4116	4360.82	0.1966	0.009981
Co	59	3	He	1.886	0.381	4020.69	0.1966	0.009981
Co	59	3	He	2.079	0.4187	4360.81	0.1966	0.009981
Ni	60	3	He	8.28	0.3761	4700.93	0.0432	0.01878
Ni	60	3	He	7.061	0.3235	4160.77	0.0432	0.01878
Ni	60	3	He	7.018	0.3217	3840.61	0.0432	0.01878
Cu	63	3	He	6.776	0.8397	10494.20	0.1222	0.01194
Cu	63	3	He	6.371	0.7902	10163.95	0.1222	0.01194
Cu	63	3	He	6.665	0.8261	9863.78	0.1222	0.01194
Zn	66	3	He	16.785	0.2705	3380.52	0.0159	0.002839
Zn	66	3	He	15.817	0.2551	3280.49	0.0159	0.002839
Zn	66	3	He	17.158	0.2764	3300.51	0.0159	0.002839
As	75	3	He	2.574	0.035	438.01	0.0132	0.0009658
As	75	3	He	2.077	0.0285	366.01	0.0132	0.0009658
As	75	3	He	2.205	0.0302	360.01	0.0132	0.0009658
Sr	88	3	He	41.124	3.5577	37691.02	0.0864	0.005458
Sr	88	3	He	41.929	3.6272	38282.42	0.0864	0.005458
Sr	88	3	He	41.569	3.5961	37450.62	0.0864	0.005458
Mo	98	3	He	0.902	0.0293	1720.19	0.0303	0.001942
Mo	98	3	He	0.95	0.0308	1770.18	0.0303	0.001942
Mo	98	3	He	0.889	0.0289	1670.16	0.0303	0.001942
Ag	107	3	He	0.001	0.0028	30.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.0009	10.00	0.3501	0.002425
Ag	107	3	He	0.012	0.0067	70.00	0.3501	0.002425
Cd	111	3	He	0.048	0.0023	24.00	0.0454	6.986E-05
Cd	111	3	He	0.044	0.0021	22.00	0.0454	6.986E-05
Cd	111	3	He	0.049	0.0023	24.00	0.0454	6.986E-05
Sn	120	3	He	0.538	0.0514	3020.43	0.0284	0.03615
Sn	120	3	He	0.593	0.053	3050.45	0.0284	0.03615
Sn	120	3	He	0.445	0.0488	2820.40	0.0284	0.03615
Sb	121	3	He	0.113	0.0037	220.01	0.0262	0.000803
Sb	121	3	He	0.096	0.0033	190.01	0.0262	0.000803
Sb	121	3	He	0.102	0.0035	200.01	0.0262	0.000803
Ba	137	3	He	50.803	0.5	29362.18	0.0098	0.0007342
Ba	137	3	He	53.065	0.5222	30053.96	0.0098	0.0007342
Ba	137	3	He	52.094	0.5126	29622.82	0.0098	0.0007342
Tl	205	3	He	0.056	0.0136	800.06	0.1945	0.002744
Tl	205	3	He	0.042	0.0109	630.04	0.1945	0.002744
Tl	205	3	He	0.057	0.0138	800.06	0.1945	0.002744
Pb	208	3	He	2.938	0.7854	24403.63	0.2651	0.006358
Pb	208	3	He	3.175	0.8482	25976.69	0.2651	0.006358
Pb	208	3	He	3.074	0.8214	24733.81	0.2651	0.006358
U	238	3	He	0.447	0.1356	7962.74	0.3022	0.0005338
U	238	3	He	0.508	0.1542	8873.41	0.3022	0.0005338
U	238	3	He	0.522	0.1582	9143.51	0.3022	0.0005338
Sc	45	1	No Gas			213496.38		
Sc	45	1	No Gas			216418.34		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			216043.02		
Ge	72	1	No Gas			127606.54		
Ge	72	1	No Gas			126789.59		
Ge	72	1	No Gas			128656.98		
Sc	45	2	H2			38120.88		
Sc	45	2	H2			39544.83		
Sc	45	2	H2			38852.62		
Ge	72	2	H2			27176.57		
Ge	72	2	H2			28759.67		
Ge	72	2	H2			28078.64		
In	115	2	H2			67916.36		
In	115	2	H2			67313.63		
In	115	2	H2			69474.09		
Sc	45	3	He			5451.23		
Sc	45	3	He			5711.34		
Sc	45	3	He			5551.30		
Ge	72	3	He			10594.26		
Ge	72	3	He			10554.27		
Ge	72	3	He			10414.16		
In	115	3	He			12516.05		
In	115	3	He			12876.37		
In	115	3	He			11955.50		
Tb	159	3	He			58728.47		
Tb	159	3	He			57553.60		
Tb	159	3	He			57784.33		
Bi	209	3	He			46282.46		
Bi	209	3	He			47025.68		
Bi	209	3	He			48059.28		

Quantitation Report

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Sample Type	CCV
Comment	---
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

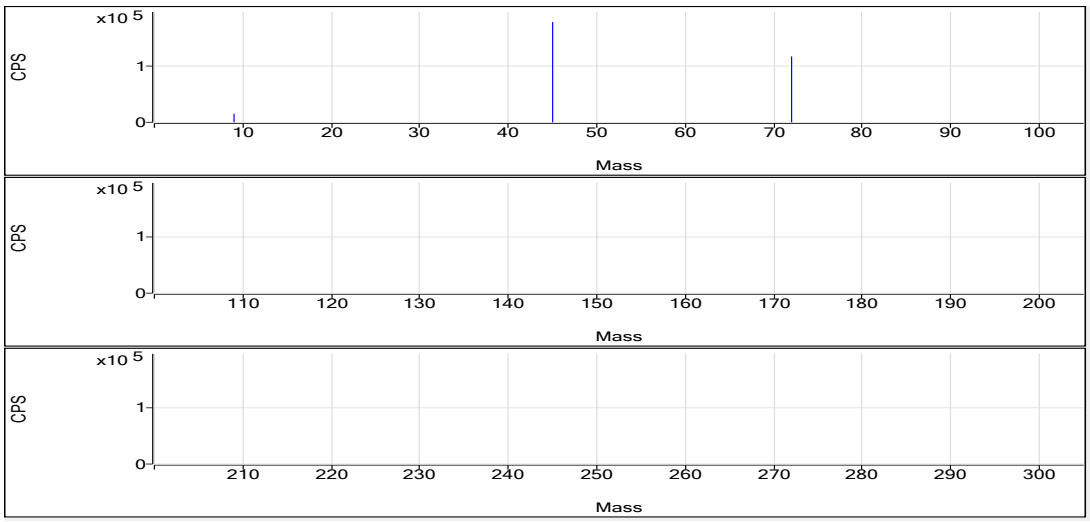
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	24.550	ppb	3.4	15383.27	0.0855	Pulse	0.5000	3
Se	78	72	H2	25.079	ppb	2.0	2339.53	0.0886	Pulse	1.5000	3
Na	23	45	He	2428.080	ppb	10.4	257964.83	53.3652	Pulse	0.1000	3
Mg	24	45	He	2465.107	ppb	10.3	130289.00	26.9543	Pulse	0.1000	3
Al	27	45	He	2467.435	ppb	13.1	44050.08	9.1308	Pulse	0.1000	3
K	39	45	He	2426.832	ppb	10.8	121993.38	25.2360	Pulse	0.1000	3
Ca	44	115	He	2481.953	ppb	3.0	6565.02	0.5484	Pulse	0.1000	3
Ti	47	72	He	2399.192	ppb	3.6	46609.24	4.8894	Pulse	0.1000	3
V	51	45	He	246.034	ppb	10.2	195045.16	40.3478	Pulse	0.5000	3
Cr	52	72	He	244.562	ppb	3.2	243562.50	25.5481	Pulse	0.1000	3
Mn	55	72	He	244.228	ppb	3.4	118550.83	12.4355	Pulse	0.1000	3
Fe	57	45	He	2492.039	ppb	9.6	50007.75	10.3408	Pulse	0.1000	3
Co	59	72	He	245.586	ppb	3.6	460460.27	48.3041	Pulse	0.1000	3
Ni	60	115	He	244.465	ppb	3.1	126498.78	10.5692	Pulse	0.1000	3
Cu	63	115	He	244.076	ppb	2.0	357065.90	29.8287	Pulse	0.1000	3
Zn	66	115	He	248.678	ppb	3.5	47489.51	3.9681	Pulse	0.1000	3
As	75	115	He	246.306	ppb	3.0	39035.71	3.2615	Pulse	0.5000	3
Sr	88	72	He	24.176	ppb	5.2	19951.37	2.0937	Pulse	0.1000	3
Mo	98	159	He	24.854	ppb	4.7	39937.51	0.7558	Pulse	0.1000	3
Ag	107	72	He	25.746	ppb	4.1	85947.99	9.0172	Pulse	0.1000	3
Cd	111	72	He	25.024	ppb	4.7	10829.59	1.1363	Pulse	0.5000	3
Sn	120	159	He	25.550	ppb	4.9	40286.19	0.7624	Pulse	0.1000	3
Sb	121	159	He	24.204	ppb	3.2	33501.32	0.6337	Pulse	0.1000	3
Ba	137	159	He	245.698	ppb	2.5	127705.13	2.4151	Pulse	0.1000	3
Tl	205	159	He	25.725	ppb	1.7	264750.15	5.0060	Pulse	0.1000	3
Pb	208	159	He	25.839	ppb	2.3	362586.34	6.8571	Pulse	0.1000	3
U	238	159	He	25.790	ppb	2.7	412047.66	7.7934	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	180007.93	1.4	98.2	Pulse	0.1000	3
No Gas	Ge	72	118206.46	1.2	105.6	Pulse	0.1000	3
H2	Sc	45	33876.75	2.0	99.9	Pulse	0.1000	3
H2	Ge	72	26405.07	2.6	102.1	Pulse	0.1000	3
H2	In	115	66747.67	2.3	104.4	Pulse	0.1000	3
He	Sc	45	4867.68	10.2	102.4	Pulse	0.1000	3
He	Ge	72	9540.21	3.3	98.0	Pulse	0.1000	3
He	In	115	11974.24	2.3	102.2	Pulse	0.1000	3
He	Tb	159	52914.75	4.7	106.1	Pulse	0.1000	3
He	Bi	209	44924.84	4.0	109.9	Pulse	0.1000	3

No Gas



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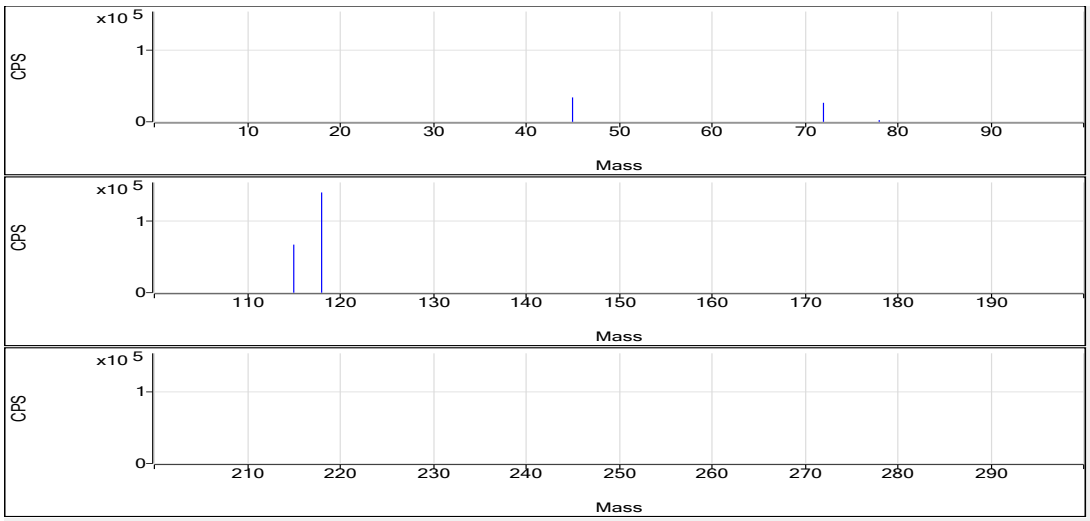
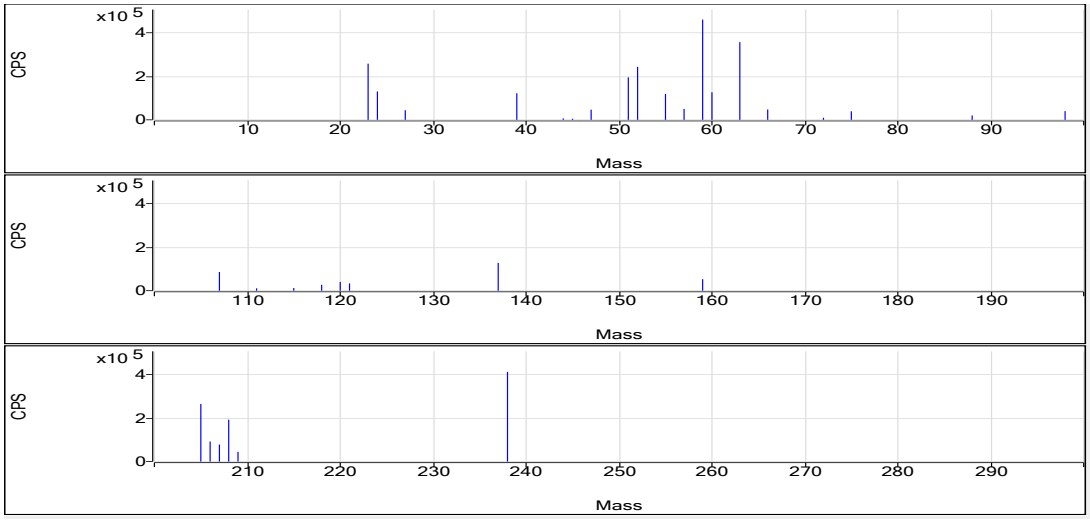


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	23.576	0.0821	15001.57	0.0035	0.0001638
Be	9	1	No Gas	24.975	0.087	15618.15	0.0035	0.0001638
Be	9	1	No Gas	25.099	0.0874	15530.10	0.0035	0.0001638
Se	78	2	H2	24.638	0.0871	2368.87	0.0035	8.664E-05
Se	78	2	H2	24.987	0.0883	2301.52	0.0035	8.664E-05
Se	78	2	H2	25.612	0.0905	2348.20	0.0035	8.664E-05
Na	23	3	He	2220.753	48.8774	259596.54	0.0216	0.8064
Na	23	3	He	2354.789	51.7788	256876.46	0.0216	0.8064
Na	23	3	He	2708.699	59.4396	257421.48	0.0216	0.8064
Mg	24	3	He	2220.171	24.2866	128990.31	0.0109	0.1054
Mg	24	3	He	2445.871	26.7448	132681.98	0.0109	0.1054
Mg	24	3	He	2729.278	29.8315	129194.72	0.0109	0.1054
Al	27	3	He	2189.265	8.1025	43033.72	0.0037	0.009095
Al	27	3	He	2390.437	8.8462	43886.27	0.0037	0.009095
Al	27	3	He	2822.602	10.4438	45230.25	0.0037	0.009095
K	39	3	He	2223.963	23.2375	123418.62	0.0099	1.328
K	39	3	He	2332.873	24.3104	120604.99	0.0099	1.328
K	39	3	He	2723.66	28.1602	121956.52	0.0099	1.328
Ca	44	3	He	2541.659	0.5615	6541.69	0.0002	0.004867
Ca	44	3	He	2400.028	0.5305	6441.64	0.0002	0.004867
Ca	44	3	He	2504.172	0.5533	6711.72	0.0002	0.004867
Ti	47	3	He	2313.474	4.7147	46646.17	0.002	0
Ti	47	3	He	2485.273	5.0648	46967.33	0.002	0
Ti	47	3	He	2398.831	4.8886	46214.21	0.002	0
V	51	3	He	223.522	36.6598	194706.91	0.1638	0.04039
V	51	3	He	241.679	39.6344	196627.98	0.1638	0.04039
V	51	3	He	272.9	44.7493	193800.58	0.1638	0.04039
Cr	52	3	He	236.399	24.6982	244360.41	0.1041	0.08357
Cr	52	3	He	252.075	26.3304	244170.76	0.1041	0.08357
Cr	52	3	He	245.211	25.6157	242156.34	0.1041	0.08357
Mn	55	3	He	236.069	12.0204	118927.61	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	252.578	12.8605	119259.23	0.0509	0.00756
Mn	55	3	He	244.035	12.4257	117465.66	0.0509	0.00756
Fe	57	3	He	2276.322	9.4477	50178.59	0.0041	0.02373
Fe	57	3	He	2450.554	10.169	50449.06	0.0041	0.02373
Fe	57	3	He	2749.242	11.4056	49395.59	0.0041	0.02373
Co	59	3	He	235.947	46.4085	459158.82	0.1966	0.009981
Co	59	3	He	253.44	49.8486	462262.38	0.1966	0.009981
Co	59	3	He	247.372	48.6553	459959.60	0.1966	0.009981
Ni	60	3	He	252.894	10.933	127368.95	0.0432	0.01878
Ni	60	3	He	238.597	10.316	125262.37	0.0432	0.01878
Ni	60	3	He	241.904	10.4587	126865.03	0.0432	0.01878
Cu	63	3	He	249.627	30.5067	355402.42	0.1222	0.01194
Cu	63	3	He	242.004	29.5755	359122.85	0.1222	0.01194
Cu	63	3	He	240.598	29.4038	356672.42	0.1222	0.01194
Zn	66	3	He	258.594	4.1262	48070.71	0.0159	0.002839
Zn	66	3	He	242.143	3.8639	46918.05	0.0159	0.002839
Zn	66	3	He	245.296	3.9142	47479.76	0.0159	0.002839
As	75	3	He	254.797	3.3739	39305.78	0.0132	0.0009658
As	75	3	He	242.199	3.2071	38942.79	0.0132	0.0009658
As	75	3	He	241.923	3.2035	38858.57	0.0132	0.0009658
Sr	88	3	He	22.794	1.9744	19533.99	0.0864	0.005458
Sr	88	3	He	25.236	2.1853	20265.35	0.0864	0.005458
Sr	88	3	He	24.497	2.1214	20054.77	0.0864	0.005458
Mo	98	3	He	26.043	0.7919	39676.82	0.0303	0.001942
Mo	98	3	He	24.8	0.7542	40559.03	0.0303	0.001942
Mo	98	3	He	23.719	0.7214	39576.67	0.0303	0.001942
Ag	107	3	He	24.584	8.6104	85189.84	0.3501	0.002425
Ag	107	3	He	26.617	9.3222	86447.58	0.3501	0.002425
Ag	107	3	He	26.037	9.1191	86206.56	0.3501	0.002425
Cd	111	3	He	23.691	1.0758	10644.11	0.0454	6.986E-05
Cd	111	3	He	25.904	1.1763	10908.32	0.0454	6.986E-05
Cd	111	3	He	25.476	1.1569	10936.33	0.0454	6.986E-05
Sn	120	3	He	26.917	0.8013	40148.92	0.0284	0.03615
Sn	120	3	He	25.235	0.7535	40520.53	0.0284	0.03615
Sn	120	3	He	24.498	0.7325	40189.13	0.0284	0.03615
Sb	121	3	He	25.078	0.6566	32899.44	0.0262	0.000803
Sb	121	3	He	23.884	0.6254	33631.71	0.0262	0.000803
Sb	121	3	He	23.649	0.6192	33972.82	0.0262	0.000803
Ba	137	3	He	251.397	2.4711	123815.70	0.0098	0.0007342
Ba	137	3	He	246.578	2.4238	130346.46	0.0098	0.0007342
Ba	137	3	He	239.12	2.3505	128953.23	0.0098	0.0007342
Tl	205	3	He	26.19	5.0965	255358.16	0.1945	0.002744
Tl	205	3	He	25.655	4.9925	268484.51	0.1945	0.002744
Tl	205	3	He	25.328	4.9289	270407.77	0.1945	0.002744
Pb	208	3	He	26.52	7.0379	187815.76	0.2651	0.006358
Pb	208	3	He	25.503	6.7681	192056.34	0.2651	0.006358
Pb	208	3	He	25.492	6.7653	197196.62	0.2651	0.006358
U	238	3	He	26.582	8.0327	402474.80	0.3022	0.0005338
U	238	3	He	25.421	7.6818	413111.40	0.3022	0.0005338
U	238	3	He	25.367	7.6657	420556.79	0.3022	0.0005338
Sc	45	1	No Gas			182725.09		
Sc	45	1	No Gas			179596.21		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			177702.48		
Ge	72	1	No Gas			118206.65		
Ge	72	1	No Gas			119648.21		
Ge	72	1	No Gas			116764.53		
Sc	45	2	H2			34561.74		
Sc	45	2	H2			33840.17		
Sc	45	2	H2			33228.35		
Ge	72	2	H2			27206.57		
Ge	72	2	H2			26064.54		
Ge	72	2	H2			25944.09		
In	115	2	H2			68359.07		
In	115	2	H2			66509.42		
In	115	2	H2			65374.51		
Sc	45	3	He			5311.18		
Sc	45	3	He			4961.04		
Sc	45	3	He			4330.81		
Ge	72	3	He			9893.85		
Ge	72	3	He			9273.33		
Ge	72	3	He			9453.44		
In	115	3	He			11855.49		
In	115	3	He			12355.89		
In	115	3	He			12345.89		
Tb	159	3	He			50104.50		
Tb	159	3	He			53777.79		
Tb	159	3	He			54861.97		
Bi	209	3	He			42931.53		
Bi	209	3	He			46463.44		
Bi	209	3	He			45379.56		

Quantitation Report

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Sample Name	CCB 7792565
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

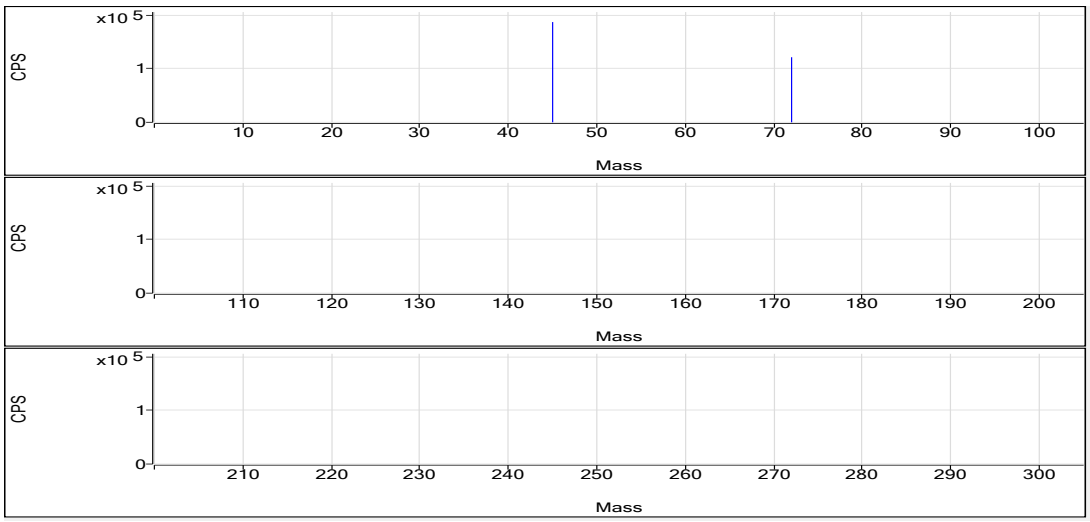
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.065	ppb	4.5	72.67	0.0004	Pulse	0.5000	3
Se	78	72	H2	0.010	ppb	225.4	3.11	0.0001	Pulse	1.5000	3
Na	23	45	He	-4.175	ppb	N/A	3467.20	0.7160	Pulse	0.1000	3
Mg	24	45	He	1.963	ppb	52.9	613.37	0.1268	Pulse	0.1000	3
Al	27	45	He	-0.059	ppb	N/A	43.33	0.0089	Pulse	0.1000	3
K	39	45	He	-6.266	ppb	N/A	6134.83	1.2667	Pulse	0.1000	3
Ca	44	115	He	7.571	ppb	76.7	80.00	0.0065	Pulse	0.1000	3
Ti	47	72	He	1.003	ppb	51.3	20.00	0.0020	Pulse	0.1000	3
V	51	45	He	-0.001	ppb	N/A	194.67	0.0402	Pulse	0.5000	3
Cr	52	72	He	-0.048	ppb	N/A	773.38	0.0785	Pulse	0.1000	3
Mn	55	72	He	0.072	ppb	100.6	110.01	0.0112	Pulse	0.1000	3
Fe	57	45	He	-0.276	ppb	N/A	110.00	0.0226	Pulse	0.1000	3
Co	59	72	He	0.008	ppb	382.2	113.34	0.0115	Pulse	0.1000	3
Ni	60	115	He	-0.007	ppb	N/A	226.68	0.0185	Pulse	0.1000	3
Cu	63	115	He	0.009	ppb	303.5	160.01	0.0131	Pulse	0.1000	3
Zn	66	115	He	0.063	ppb	180.4	46.67	0.0039	Pulse	0.1000	3
As	75	115	He	0.022	ppb	22.4	15.33	0.0013	Pulse	0.5000	3
Sr	88	72	He	-0.004	ppb	N/A	50.00	0.0051	Pulse	0.1000	3
Mo	98	159	He	-0.018	ppb	N/A	73.33	0.0014	Pulse	0.1000	3
Ag	107	72	He	0.001	ppb	413.1	26.67	0.0027	Pulse	0.1000	3
Cd	111	72	He	0.000	ppb	N/A	0.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.034	ppb	N/A	1846.86	0.0352	Pulse	0.1000	3
Sb	121	159	He	0.047	ppb	34.0	106.67	0.0020	Pulse	0.1000	3
Ba	137	159	He	-0.049	ppb	N/A	13.33	0.0003	Pulse	0.1000	3
Tl	205	159	He	-0.003	ppb	N/A	113.34	0.0022	Pulse	0.1000	3
Pb	208	159	He	-0.006	ppb	N/A	246.67	0.0047	Pulse	0.1000	3
U	238	159	He	0.003	ppb	25.0	70.00	0.0013	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	186488.99	1.1	101.8	Pulse	0.1000	3
No Gas	Ge	72	121066.00	1.0	108.1	Pulse	0.1000	3
H2	Sc	45	33375.80	2.2	98.4	Pulse	0.1000	3
H2	Ge	72	25426.74	1.5	98.3	Pulse	0.1000	3
H2	In	115	64647.98	2.2	101.1	Pulse	0.1000	3
He	Sc	45	4844.32	3.7	101.9	Pulse	0.1000	3
He	Ge	72	9843.67	1.8	101.2	Pulse	0.1000	3
He	In	115	12220.57	2.6	104.3	Pulse	0.1000	3
He	Tb	159	52489.51	2.2	105.2	Pulse	0.1000	3
He	Bi	209	44436.34	2.5	108.7	Pulse	0.1000	3

No Gas



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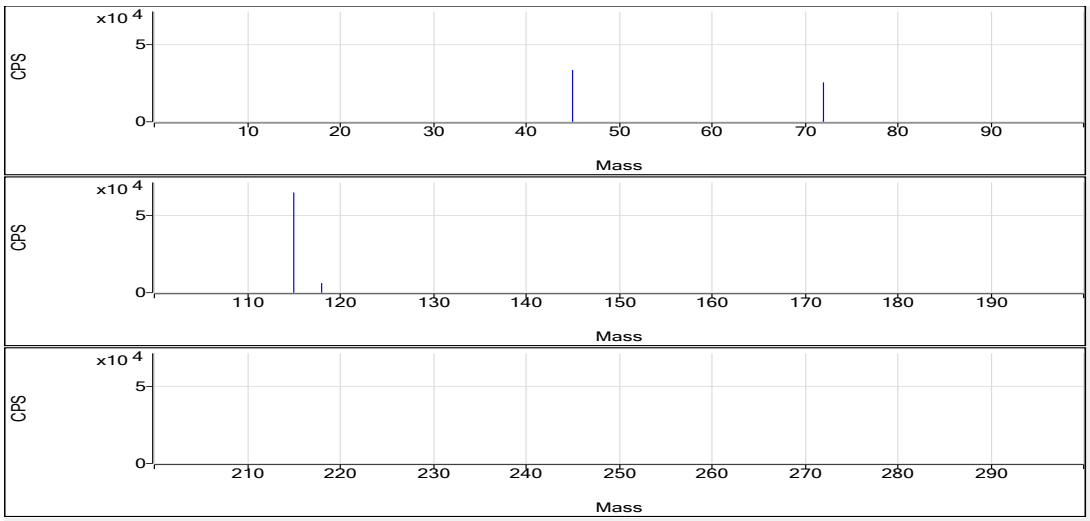
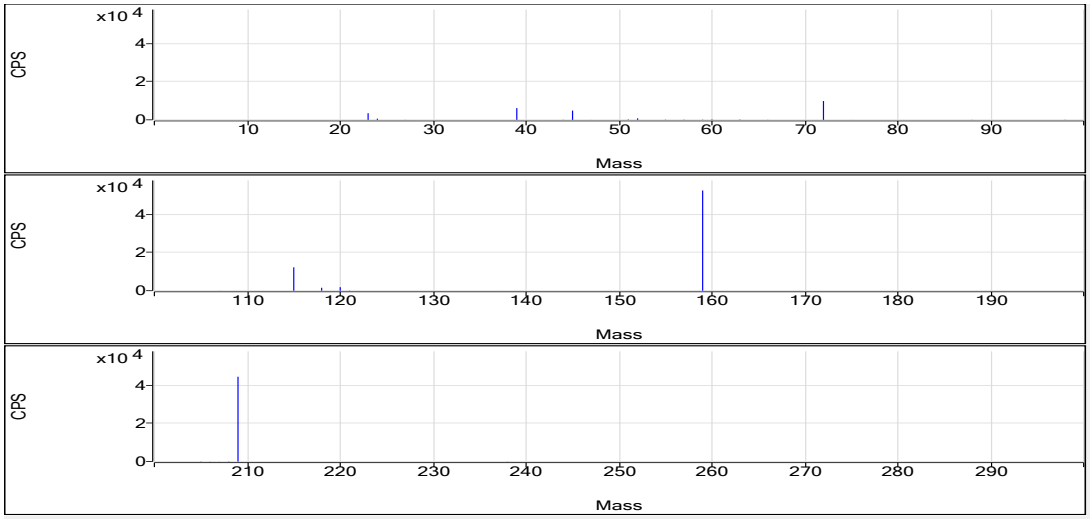


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.064	0.0004	72.00	0.0035	0.0001638
Be	9	1	No Gas	0.063	0.0004	72.00	0.0035	0.0001638
Be	9	1	No Gas	0.068	0.0004	74.00	0.0035	0.0001638
Se	78	2	H2	0.005	0.0001	2.67	0.0035	8.664E-05
Se	78	2	H2	-0.009	0.0001	1.33	0.0035	8.664E-05
Se	78	2	H2	0.035	0.0002	5.33	0.0035	8.664E-05
Na	23	3	He	-4.506	0.7089	3580.56	0.0216	0.8064
Na	23	3	He	-1.335	0.7775	3670.57	0.0216	0.8064
Na	23	3	He	-6.684	0.6617	3150.47	0.0216	0.8064
Mg	24	3	He	1.412	0.1208	610.03	0.0109	0.1054
Mg	24	3	He	3.16	0.1398	660.04	0.0109	0.1054
Mg	24	3	He	1.316	0.1197	570.03	0.0109	0.1054
Al	27	3	He	0.753	0.0119	60.00	0.0037	0.009095
Al	27	3	He	-0.741	0.0064	30.00	0.0037	0.009095
Al	27	3	He	-0.188	0.0084	40.00	0.0037	0.009095
K	39	3	He	-7.406	1.2555	6341.59	0.0099	1.328
K	39	3	He	-2.153	1.3073	6171.51	0.0099	1.328
K	39	3	He	-9.24	1.2374	5891.39	0.0099	1.328
Ca	44	3	He	10.687	0.0072	90.00	0.0002	0.004867
Ca	44	3	He	0.868	0.0051	60.00	0.0002	0.004867
Ca	44	3	He	11.159	0.0073	90.00	0.0002	0.004867
Ti	47	3	He	1.003	0.002	20.00	0.002	0
Ti	47	3	He	1.517	0.0031	30.00	0.002	0
Ti	47	3	He	0.489	0.001	10.00	0.002	0
V	51	3	He	-0.007	0.0392	198.00	0.1638	0.04039
V	51	3	He	0.004	0.0411	194.00	0.1638	0.04039
V	51	3	He	0	0.0403	192.00	0.1638	0.04039
Cr	52	3	He	-0.066	0.0767	750.04	0.1041	0.08357
Cr	52	3	He	-0.05	0.0783	760.05	0.1041	0.08357
Cr	52	3	He	-0.028	0.0807	810.05	0.1041	0.08357
Mn	55	3	He	0.113	0.0133	130.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.115	0.0134	130.01	0.0509	0.00756
Mn	55	3	He	-0.012	0.007	70.00	0.0509	0.00756
Fe	57	3	He	0.964	0.0277	140.00	0.0041	0.02373
Fe	57	3	He	-2.15	0.0148	70.00	0.0041	0.02373
Fe	57	3	He	0.357	0.0252	120.01	0.0041	0.02373
Co	59	3	He	0.043	0.0184	180.01	0.1966	0.009981
Co	59	3	He	-0.009	0.0082	80.00	0.1966	0.009981
Co	59	3	He	-0.01	0.008	80.00	0.1966	0.009981
Ni	60	3	He	0.14	0.0248	310.01	0.0432	0.01878
Ni	60	3	He	-0.084	0.0152	180.01	0.0432	0.01878
Ni	60	3	He	-0.077	0.0154	190.01	0.0432	0.01878
Cu	63	3	He	-0.006	0.0112	140.01	0.1222	0.01194
Cu	63	3	He	-0.008	0.011	130.01	0.1222	0.01194
Cu	63	3	He	0.042	0.0171	210.01	0.1222	0.01194
Zn	66	3	He	-0.027	0.0024	30.00	0.0159	0.002839
Zn	66	3	He	0.192	0.0059	70.00	0.0159	0.002839
Zn	66	3	He	0.026	0.0032	40.00	0.0159	0.002839
As	75	3	He	0.024	0.0013	16.00	0.0132	0.0009658
As	75	3	He	0.016	0.0012	14.00	0.0132	0.0009658
As	75	3	He	0.025	0.0013	16.00	0.0132	0.0009658
Sr	88	3	He	-0.04	0.002	20.00	0.0864	0.005458
Sr	88	3	He	0.02	0.0072	70.00	0.0864	0.005458
Sr	88	3	He	0.006	0.006	60.00	0.0864	0.005458
Mo	98	3	He	-0.013	0.0015	80.00	0.0303	0.001942
Mo	98	3	He	-0.027	0.0011	60.00	0.0303	0.001942
Mo	98	3	He	-0.013	0.0015	80.00	0.0303	0.001942
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Ag	107	3	He	0.005	0.0041	40.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Sn	120	3	He	0.084	0.0385	1990.21	0.0284	0.03615
Sn	120	3	He	0.003	0.0362	1950.21	0.0284	0.03615
Sn	120	3	He	-0.19	0.0308	1600.17	0.0284	0.03615
Sb	121	3	He	0.029	0.0015	80.00	0.0262	0.000803
Sb	121	3	He	0.055	0.0022	120.01	0.0262	0.000803
Sb	121	3	He	0.057	0.0023	120.01	0.0262	0.000803
Ba	137	3	He	-0.055	0.0002	10.00	0.0098	0.0007342
Ba	137	3	He	-0.037	0.0004	20.00	0.0098	0.0007342
Ba	137	3	He	-0.055	0.0002	10.00	0.0098	0.0007342
Tl	205	3	He	-0.002	0.0023	120.01	0.1945	0.002744
Tl	205	3	He	-0.001	0.0026	140.01	0.1945	0.002744
Tl	205	3	He	-0.006	0.0015	80.00	0.1945	0.002744
Pb	208	3	He	-0.008	0.0043	130.01	0.2651	0.006358
Pb	208	3	He	-0.002	0.0059	190.01	0.2651	0.006358
Pb	208	3	He	-0.009	0.0038	70.00	0.2651	0.006358
U	238	3	He	0.003	0.0015	80.00	0.3022	0.0005338
U	238	3	He	0.003	0.0013	70.00	0.3022	0.0005338
U	238	3	He	0.002	0.0012	60.00	0.3022	0.0005338
Sc	45	1	No Gas			186146.76		
Sc	45	1	No Gas			188751.23		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			184568.98		
Ge	72	1	No Gas			120635.76		
Ge	72	1	No Gas			122431.11		
Ge	72	1	No Gas			120131.13		
Sc	45	2	H2			32607.45		
Sc	45	2	H2			34050.53		
Sc	45	2	H2			33469.42		
Ge	72	2	H2			25783.93		
Ge	72	2	H2			25012.70		
Ge	72	2	H2			25483.58		
In	115	2	H2			63224.79		
In	115	2	H2			64641.09		
In	115	2	H2			66078.07		
Sc	45	3	He			5051.04		
Sc	45	3	He			4720.96		
Sc	45	3	He			4760.96		
Ge	72	3	He			9783.58		
Ge	72	3	He			9703.66		
Ge	72	3	He			10043.78		
In	115	3	He			12496.06		
In	115	3	He			11875.41		
In	115	3	He			12325.99		
Tb	159	3	He			51629.31		
Tb	159	3	He			53808.17		
Tb	159	3	He			52031.04		
Bi	209	3	He			43342.54		
Bi	209	3	He			44426.53		
Bi	209	3	He			45539.96		

Quantitation Report

Data File Name	072SMPL.d
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Sample Type	Sample
Comment	MS-C11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

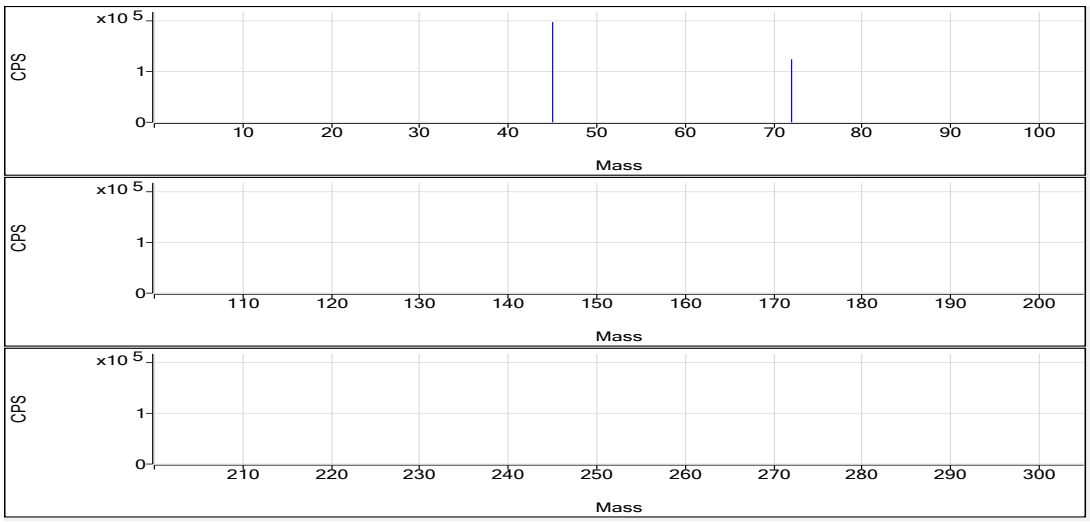
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.048	ppb	39.8	65.33	0.0003	Pulse	0.5000	3
Se	78	72	H2	3.836	ppb	5.1	383.56	0.0136	Pulse	1.5000	3
Na	23	45	He	24383.102	ppb	1.5	2704796.11	528.6091	Pulse	0.1000	3
Mg	24	45	He	25679.887	ppb	1.6	1431752.69	279.7999	Pulse	0.1000	3
Al	27	45	He	90.352	ppb	11.0	1753.51	0.3431	Pulse	0.1000	3
K	39	45	He	5277.044	ppb	1.2	272834.63	53.3145	Pulse	0.1000	3
Ca	44	115	He	105126.812	ppb	2.0	281451.54	23.0288	Pulse	0.1000	3
Ti	47	72	He	3.723	ppb	18.3	76.67	0.0076	Pulse	0.1000	3
V	51	45	He	0.640	ppb	11.8	742.69	0.1453	Pulse	0.5000	3
Cr	52	72	He	-0.116	ppb	N/A	723.38	0.0715	Pulse	0.1000	3
Mn	55	72	He	1219.371	ppb	2.8	628943.56	62.0574	Pulse	0.1000	3
Fe	57	45	He	232.424	ppb	5.1	5044.39	0.9860	Pulse	0.1000	3
Co	59	72	He	1.487	ppb	2.6	3067.10	0.3025	Pulse	0.1000	3
Ni	60	115	He	4.294	ppb	5.1	2493.64	0.2041	Pulse	0.1000	3
Cu	63	115	He	0.574	ppb	4.4	1003.41	0.0821	Pulse	0.1000	3
Zn	66	115	He	3.243	ppb	2.3	666.71	0.0546	Pulse	0.1000	3
As	75	115	He	1.152	ppb	14.9	198.00	0.0162	Pulse	0.5000	3
Sr	88	72	He	359.183	ppb	3.4	314475.59	31.0311	Pulse	0.1000	3
Mo	98	159	He	71.203	ppb	1.1	120449.71	2.1617	Pulse	0.1000	3
Ag	107	72	He	0.001	ppb	1024.7	26.67	0.0026	Pulse	0.1000	3
Cd	111	72	He	0.302	ppb	11.5	139.33	0.0138	Pulse	0.5000	3
Sn	120	159	He	0.108	ppb	124.4	2186.92	0.0392	Pulse	0.1000	3
Sb	121	159	He	0.095	ppb	11.7	183.34	0.0033	Pulse	0.1000	3
Ba	137	159	He	27.811	ppb	3.1	15269.03	0.2740	Pulse	0.1000	3
Tl	205	159	He	0.030	ppb	16.0	473.36	0.0085	Pulse	0.1000	3
Pb	208	159	He	0.263	ppb	4.5	4237.10	0.0761	Pulse	0.1000	3
U	238	159	He	0.517	ppb	5.7	8736.66	0.1568	Pulse	0.1000	3

ISTD Table:

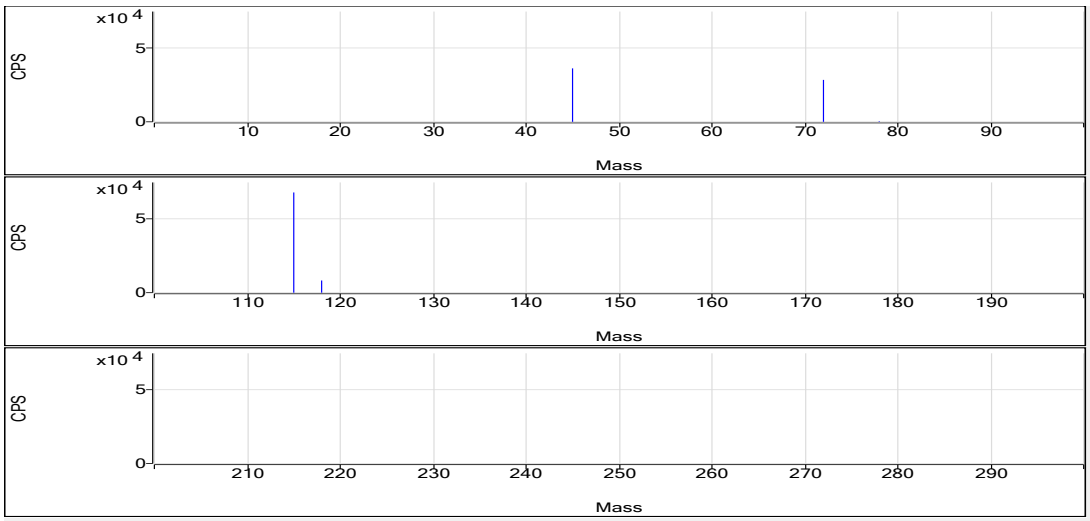
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	197924.48	1.1	108.0	Pulse	0.1000	3
No Gas	Ge	72	124321.21	0.7	111.0	Pulse	0.1000	3
H2	Sc	45	35915.15	2.0	105.9	Pulse	0.1000	3
H2	Ge	72	28172.06	3.1	108.9	Pulse	0.1000	3
H2	In	115	67353.64	1.2	105.3	Pulse	0.1000	3
He	Sc	45	5117.76	2.0	107.6	Pulse	0.1000	3
He	Ge	72	10140.57	3.0	104.2	Pulse	0.1000	3
He	In	115	12223.86	1.3	104.4	Pulse	0.1000	3
He	Tb	159	55722.50	0.7	111.7	Pulse	0.1000	3
He	Bi	209	45998.46	1.3	112.5	Pulse	0.1000	3

No Gas

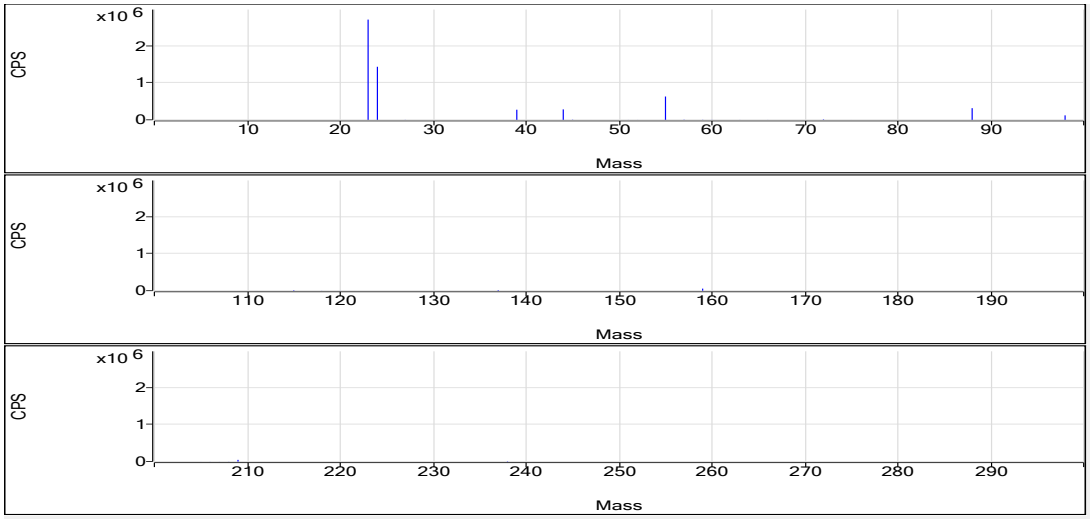


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.055	0.0004	70.00	0.0035	0.0001638
Be	9	1	No Gas	0.026	0.0003	50.00	0.0035	0.0001638
Be	9	1	No Gas	0.062	0.0004	76.00	0.0035	0.0001638
Se	78	2	H2	3.794	0.0135	387.34	0.0035	8.664E-05
Se	78	2	H2	3.665	0.013	372.67	0.0035	8.664E-05
Se	78	2	H2	4.047	0.0144	390.67	0.0035	8.664E-05
Na	23	3	He	24458.411	530.2392	2720715.90	0.0216	0.8064
Na	23	3	He	23994.063	520.1879	2710782.15	0.0216	0.8064
Na	23	3	He	24696.833	535.4002	2682890.27	0.0216	0.8064
Mg	24	3	He	25988.3	283.159	1452920.13	0.0109	0.1054
Mg	24	3	He	25226.194	274.8585	1432331.54	0.0109	0.1054
Mg	24	3	He	25825.166	281.3822	1410006.39	0.0109	0.1054
Al	27	3	He	88.223	0.3352	1720.16	0.0037	0.009095
Al	27	3	He	81.639	0.3109	1620.16	0.0037	0.009095
Al	27	3	He	101.195	0.3832	1920.20	0.0037	0.009095
K	39	3	He	5343.927	53.9734	276943.43	0.0099	1.328
K	39	3	He	5212.545	52.6791	274519.21	0.0099	1.328
K	39	3	He	5274.659	53.291	267041.25	0.0099	1.328
Ca	44	3	He	107069.507	23.4543	283668.20	0.0002	0.004867
Ca	44	3	He	105460.182	23.1018	281205.23	0.0002	0.004867
Ca	44	3	He	102850.747	22.5303	279481.19	0.0002	0.004867
Ti	47	3	He	3.317	0.0068	70.00	0.002	0
Ti	47	3	He	4.509	0.0092	90.00	0.002	0
Ti	47	3	He	3.343	0.0068	70.00	0.002	0
V	51	3	He	0.615	0.1411	724.02	0.1638	0.04039
V	51	3	He	0.58	0.1355	706.02	0.1638	0.04039
V	51	3	He	0.726	0.1593	798.03	0.1638	0.04039
Cr	52	3	He	-0.116	0.0715	740.05	0.1041	0.08357
Cr	52	3	He	-0.028	0.0807	790.05	0.1041	0.08357
Cr	52	3	He	-0.204	0.0623	640.04	0.1041	0.08357
Mn	55	3	He	1195.825	60.8592	630138.39	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	1258.798	64.0637	627419.17	0.0509	0.00756
Mn	55	3	He	1203.489	61.2492	629273.12	0.0509	0.00756
Fe	57	3	He	219.801	0.9337	4790.95	0.0041	0.02373
Fe	57	3	He	234.421	0.9942	5181.11	0.0041	0.02373
Fe	57	3	He	243.05	1.03	5161.11	0.0041	0.02373
Co	59	3	He	1.516	0.3081	3190.44	0.1966	0.009981
Co	59	3	He	1.502	0.3053	2990.42	0.1966	0.009981
Co	59	3	He	1.444	0.294	3020.43	0.1966	0.009981
Ni	60	3	He	4.47	0.2117	2560.33	0.0432	0.01878
Ni	60	3	He	4.363	0.2071	2520.32	0.0432	0.01878
Ni	60	3	He	4.048	0.1935	2400.26	0.0432	0.01878
Cu	63	3	He	0.552	0.0794	960.07	0.1222	0.01194
Cu	63	3	He	0.568	0.0813	990.08	0.1222	0.01194
Cu	63	3	He	0.602	0.0855	1060.07	0.1222	0.01194
Zn	66	3	He	3.296	0.0554	670.04	0.0159	0.002839
Zn	66	3	He	3.274	0.055	670.04	0.0159	0.002839
Zn	66	3	He	3.159	0.0532	660.04	0.0159	0.002839
As	75	3	He	1.164	0.0164	198.00	0.0132	0.0009658
As	75	3	He	1.317	0.0184	224.00	0.0132	0.0009658
As	75	3	He	0.974	0.0139	172.00	0.0132	0.0009658
Sr	88	3	He	355.167	30.6842	317705.41	0.0864	0.005458
Sr	88	3	He	372.772	32.2048	315403.53	0.0864	0.005458
Sr	88	3	He	349.611	30.2042	310317.83	0.0864	0.005458
Mo	98	3	He	71.746	2.1782	120855.69	0.0303	0.001942
Mo	98	3	He	70.3	2.1343	119878.81	0.0303	0.001942
Mo	98	3	He	71.564	2.1726	120614.62	0.0303	0.001942
Ag	107	3	He	0.004	0.0039	40.00	0.3501	0.002425
Ag	107	3	He	0.005	0.0041	40.00	0.3501	0.002425
Ag	107	3	He	-0.007	0	0.00	0.3501	0.002425
Cd	111	3	He	0.292	0.0133	138.00	0.0454	6.986E-05
Cd	111	3	He	0.34	0.0155	152.00	0.0454	6.986E-05
Cd	111	3	He	0.273	0.0125	128.00	0.0454	6.986E-05
Sn	120	3	He	0.016	0.0366	2030.22	0.0284	0.03615
Sn	120	3	He	0.263	0.0436	2450.30	0.0284	0.03615
Sn	120	3	He	0.047	0.0375	2080.23	0.0284	0.03615
Sb	121	3	He	0.107	0.0036	200.01	0.0262	0.000803
Sb	121	3	He	0.085	0.003	170.01	0.0262	0.000803
Sb	121	3	He	0.093	0.0032	180.01	0.0262	0.000803
Ba	137	3	He	28.701	0.2828	15689.46	0.0098	0.0007342
Ba	137	3	He	27.771	0.2736	15369.20	0.0098	0.0007342
Ba	137	3	He	26.96	0.2657	14748.43	0.0098	0.0007342
Tl	205	3	He	0.028	0.0081	450.02	0.1945	0.002744
Tl	205	3	He	0.026	0.0078	440.03	0.1945	0.002744
Tl	205	3	He	0.035	0.0095	530.03	0.1945	0.002744
Pb	208	3	He	0.269	0.0777	2440.33	0.2651	0.006358
Pb	208	3	He	0.249	0.0725	2130.22	0.2651	0.006358
Pb	208	3	He	0.27	0.078	2240.27	0.2651	0.006358
U	238	3	He	0.55	0.1666	9243.77	0.3022	0.0005338
U	238	3	He	0.492	0.1493	8383.08	0.3022	0.0005338
U	238	3	He	0.51	0.1546	8583.13	0.3022	0.0005338
Sc	45	1	No Gas			197150.99		
Sc	45	1	No Gas			196320.54		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			200301.91		
Ge	72	1	No Gas			124831.67		
Ge	72	1	No Gas			124811.23		
Ge	72	1	No Gas			123320.72		
Sc	45	2	H2			35113.06		
Sc	45	2	H2			36416.25		
Sc	45	2	H2			36216.15		
Ge	72	2	H2			28729.67		
Ge	72	2	H2			28609.67		
Ge	72	2	H2			27176.83		
In	115	2	H2			66730.57		
In	115	2	H2			68278.02		
In	115	2	H2			67052.33		
Sc	45	3	He			5131.11		
Sc	45	3	He			5211.16		
Sc	45	3	He			5011.00		
Ge	72	3	He			10354.04		
Ge	72	3	He			9793.68		
Ge	72	3	He			10273.98		
In	115	3	He			12105.74		
In	115	3	He			12185.84		
In	115	3	He			12415.97		
Tb	159	3	He			55484.90		
Tb	159	3	He			56167.40		
Tb	159	3	He			55515.20		
Bi	209	3	He			45540.02		
Bi	209	3	He			46654.13		
Bi	209	3	He			45801.24		

Quantitation Report

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Sample Type	Sample
Comment	MS-C11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

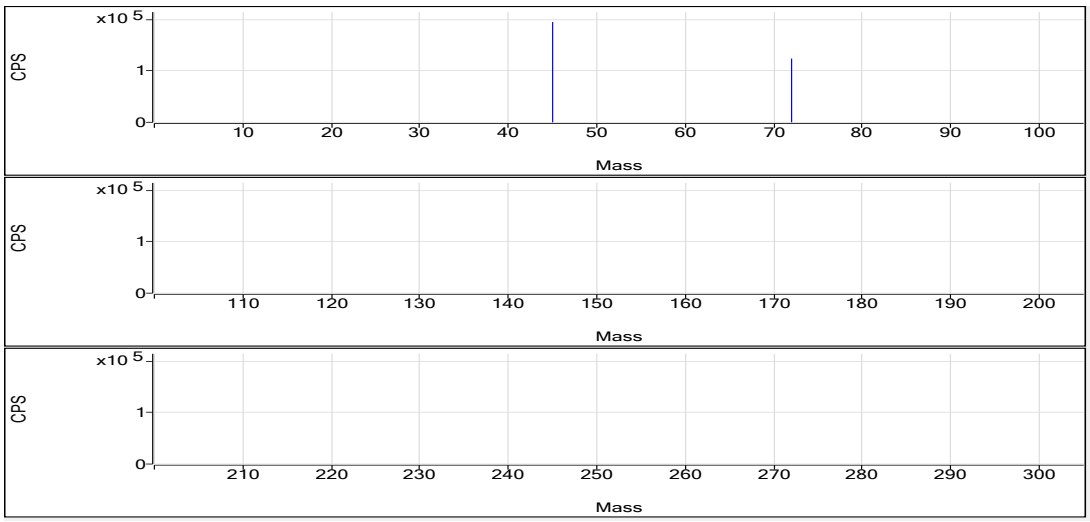
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.048	ppb	41.0	64.00	0.0003	Pulse	0.5000	3
Se	78	72	H2	4.173	ppb	3.8	409.12	0.0148	Pulse	1.5000	3
Na	23	45	He	24742.268	ppb	2.1	2676408.92	536.3837	Pulse	0.1000	3
Mg	24	45	He	26363.096	ppb	1.7	1433330.87	287.2411	Pulse	0.1000	3
Al	27	45	He	73.027	ppb	4.3	1393.46	0.2791	Pulse	0.1000	3
K	39	45	He	5393.119	ppb	2.6	271711.31	54.4580	Pulse	0.1000	3
Ca	44	115	He	101636.685	ppb	2.7	278485.52	22.2644	Pulse	0.1000	3
Ti	47	72	He	1.930	ppb	27.4	40.00	0.0039	Pulse	0.1000	3
V	51	45	He	0.599	ppb	6.4	691.35	0.1386	Pulse	0.5000	3
Cr	52	72	He	-0.032	ppb	N/A	820.05	0.0802	Pulse	0.1000	3
Mn	55	72	He	1199.014	ppb	1.9	623288.62	61.0215	Pulse	0.1000	3
Fe	57	45	He	164.395	ppb	6.0	3517.22	0.7043	Pulse	0.1000	3
Co	59	72	He	1.357	ppb	7.4	2830.37	0.2767	Pulse	0.1000	3
Ni	60	115	He	4.356	ppb	7.4	2586.98	0.2068	Pulse	0.1000	3
Cu	63	115	He	0.635	ppb	2.7	1120.09	0.0895	Pulse	0.1000	3
Zn	66	115	He	2.686	ppb	23.1	570.03	0.0457	Pulse	0.1000	3
As	75	115	He	1.002	ppb	3.4	178.00	0.0142	Pulse	0.5000	3
Sr	88	72	He	357.567	ppb	2.1	315521.39	30.8914	Pulse	0.1000	3
Mo	98	159	He	72.227	ppb	3.3	121277.00	2.1928	Pulse	0.1000	3
Ag	107	72	He	0.000	ppb	N/A	23.33	0.0023	Pulse	0.1000	3
Cd	111	72	He	0.259	ppb	23.2	120.67	0.0119	Pulse	0.5000	3
Sn	120	159	He	0.171	ppb	81.6	2266.94	0.0410	Pulse	0.1000	3
Sb	121	159	He	0.073	ppb	13.1	150.01	0.0027	Pulse	0.1000	3
Ba	137	159	He	27.794	ppb	4.9	15142.22	0.2739	Pulse	0.1000	3
Tl	205	159	He	0.019	ppb	38.8	360.02	0.0065	Pulse	0.1000	3
Pb	208	159	He	0.260	ppb	3.3	4160.41	0.0752	Pulse	0.1000	3
U	238	159	He	0.524	ppb	2.9	8789.98	0.1589	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	194512.30	2.1	106.1	Pulse	0.1000	3
No Gas	Ge	72	123701.15	1.2	110.5	Pulse	0.1000	3
H2	Sc	45	36282.59	1.1	107.0	Pulse	0.1000	3
H2	Ge	72	27607.44	0.0	106.7	Pulse	0.1000	3
H2	In	115	67682.00	1.0	105.9	Pulse	0.1000	3
He	Sc	45	4991.03	2.0	105.0	Pulse	0.1000	3
He	Ge	72	10217.35	2.5	105.0	Pulse	0.1000	3
He	In	115	12513.20	2.3	106.8	Pulse	0.1000	3
He	Tb	159	55337.30	2.5	110.9	Pulse	0.1000	3
He	Bi	209	46018.58	2.2	112.6	Pulse	0.1000	3

No Gas



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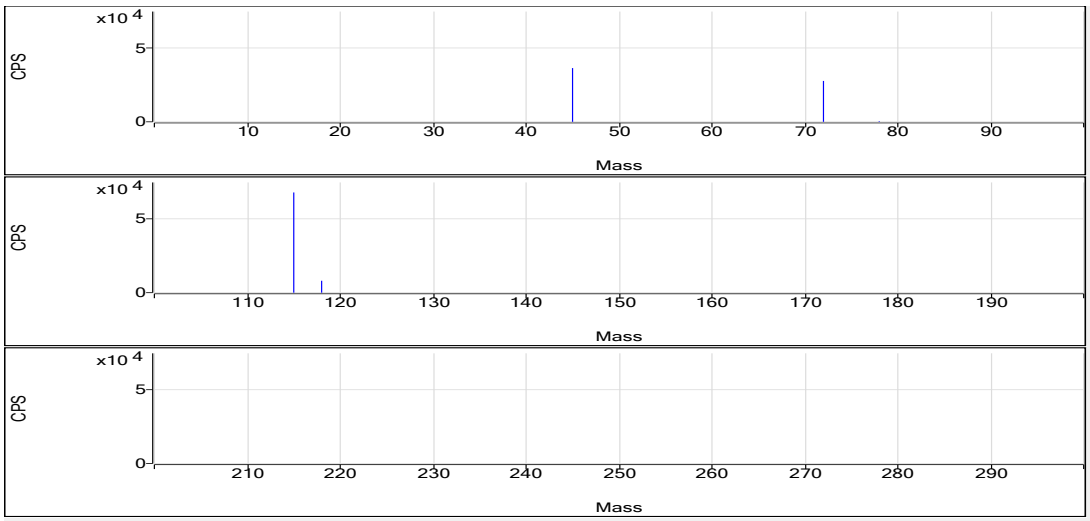
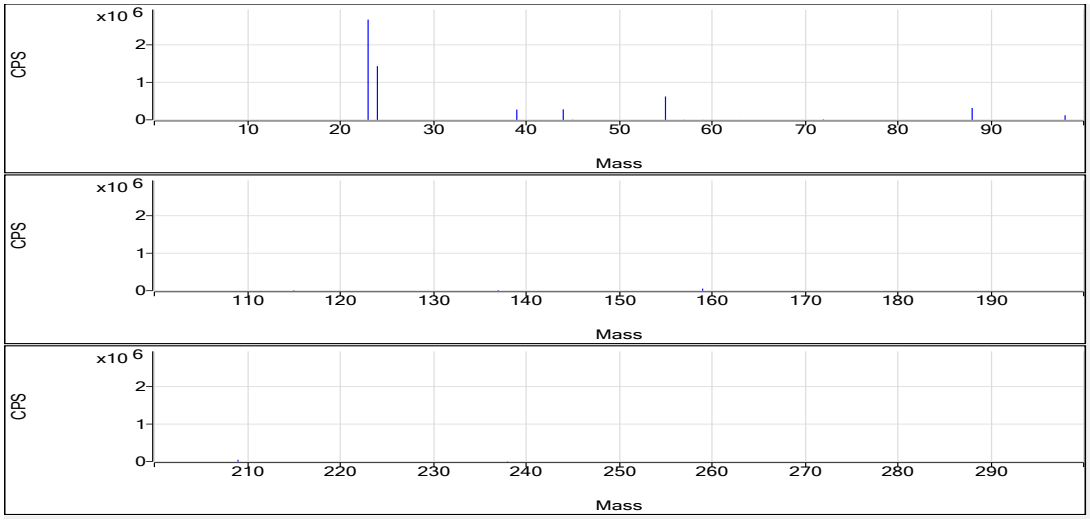


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.026	0.0003	50.00	0.0035	0.0001638
Be	9	1	No Gas	0.053	0.0003	66.00	0.0035	0.0001638
Be	9	1	No Gas	0.064	0.0004	76.00	0.0035	0.0001638
Se	78	2	H2	4.338	0.0154	425.34	0.0035	8.664E-05
Se	78	2	H2	4.018	0.0143	394.01	0.0035	8.664E-05
Se	78	2	H2	4.163	0.0148	408.01	0.0035	8.664E-05
Na	23	3	He	24484.593	530.806	2691749.02	0.0216	0.8064
Na	23	3	He	25341.092	549.346	2681352.15	0.0216	0.8064
Na	23	3	He	24401.119	528.9991	2656125.59	0.0216	0.8064
Mg	24	3	He	26128.247	284.6833	1443645.92	0.0109	0.1054
Mg	24	3	He	26865.95	292.718	1428753.73	0.0109	0.1054
Mg	24	3	He	26095.092	284.3222	1427592.95	0.0109	0.1054
Al	27	3	He	73.825	0.282	1430.12	0.0037	0.009095
Al	27	3	He	69.59	0.2664	1300.10	0.0037	0.009095
Al	27	3	He	75.665	0.2888	1450.16	0.0037	0.009095
K	39	3	He	5295.885	53.5001	271302.30	0.0099	1.328
K	39	3	He	5554.546	56.0483	273571.07	0.0099	1.328
K	39	3	He	5328.926	53.8256	270260.56	0.0099	1.328
Ca	44	3	He	104338.732	22.8562	280277.42	0.0002	0.004867
Ca	44	3	He	98892.335	21.6634	278030.05	0.0002	0.004867
Ca	44	3	He	101678.987	22.2737	277149.10	0.0002	0.004867
Ti	47	3	He	1.916	0.0039	40.00	0.002	0
Ti	47	3	He	1.408	0.0029	30.00	0.002	0
Ti	47	3	He	2.465	0.005	50.00	0.002	0
V	51	3	He	0.613	0.1408	714.02	0.1638	0.04039
V	51	3	He	0.629	0.1434	700.02	0.1638	0.04039
V	51	3	He	0.556	0.1315	660.02	0.1638	0.04039
Cr	52	3	He	-0.015	0.082	840.06	0.1041	0.08357
Cr	52	3	He	-0.031	0.0804	840.05	0.1041	0.08357
Cr	52	3	He	-0.05	0.0784	780.05	0.1041	0.08357
Mn	55	3	He	1196.581	60.8977	623835.73	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	1178.134	59.959	626825.34	0.0509	0.00756
Mn	55	3	He	1222.327	62.2078	619204.80	0.0509	0.00756
Fe	57	3	He	175.777	0.7514	3810.63	0.0041	0.02373
Fe	57	3	He	158.59	0.6803	3320.50	0.0041	0.02373
Fe	57	3	He	158.819	0.6812	3420.53	0.0041	0.02373
Co	59	3	He	1.424	0.29	2970.41	0.1966	0.009981
Co	59	3	He	1.404	0.286	2990.40	0.1966	0.009981
Co	59	3	He	1.242	0.2542	2530.30	0.1966	0.009981
Ni	60	3	He	4.138	0.1974	2420.27	0.0432	0.01878
Ni	60	3	He	4.205	0.2003	2570.33	0.0432	0.01878
Ni	60	3	He	4.724	0.2226	2770.35	0.0432	0.01878
Cu	63	3	He	0.65	0.0913	1120.09	0.1222	0.01194
Cu	63	3	He	0.617	0.0873	1120.08	0.1222	0.01194
Cu	63	3	He	0.639	0.09	1120.09	0.1222	0.01194
Zn	66	3	He	3.402	0.0571	700.05	0.0159	0.002839
Zn	66	3	He	2.314	0.0397	510.03	0.0159	0.002839
Zn	66	3	He	2.342	0.0402	500.02	0.0159	0.002839
As	75	3	He	1.024	0.0145	178.00	0.0132	0.0009658
As	75	3	He	0.963	0.0137	176.00	0.0132	0.0009658
As	75	3	He	1.02	0.0145	180.00	0.0132	0.0009658
Sr	88	3	He	357.678	30.9011	316550.44	0.0864	0.005458
Sr	88	3	He	350.055	30.2426	316163.69	0.0864	0.005458
Sr	88	3	He	364.967	31.5306	313850.05	0.0864	0.005458
Mo	98	3	He	74.949	2.2753	122338.58	0.0303	0.001942
Mo	98	3	He	70.906	2.1527	120413.62	0.0303	0.001942
Mo	98	3	He	70.827	2.1503	121078.81	0.0303	0.001942
Ag	107	3	He	0.001	0.0029	30.00	0.3501	0.002425
Ag	107	3	He	0.004	0.0038	40.00	0.3501	0.002425
Ag	107	3	He	-0.007	0	0.00	0.3501	0.002425
Cd	111	3	He	0.278	0.0127	130.00	0.0454	6.986E-05
Cd	111	3	He	0.192	0.0088	92.00	0.0454	6.986E-05
Cd	111	3	He	0.308	0.0141	140.00	0.0454	6.986E-05
Sn	120	3	He	0.286	0.0443	2380.31	0.0284	0.03615
Sn	120	3	He	0.213	0.0422	2360.30	0.0284	0.03615
Sn	120	3	He	0.016	0.0366	2060.21	0.0284	0.03615
Sb	121	3	He	0.062	0.0024	130.01	0.0262	0.000803
Sb	121	3	He	0.079	0.0029	160.01	0.0262	0.000803
Sb	121	3	He	0.078	0.0028	160.01	0.0262	0.000803
Ba	137	3	He	29.374	0.2894	15559.35	0.0098	0.0007342
Ba	137	3	He	27.066	0.2667	14918.54	0.0098	0.0007342
Ba	137	3	He	26.942	0.2655	14948.78	0.0098	0.0007342
Tl	205	3	He	0.024	0.0074	400.02	0.1945	0.002744
Tl	205	3	He	0.011	0.0048	270.01	0.1945	0.002744
Tl	205	3	He	0.023	0.0073	410.02	0.1945	0.002744
Pb	208	3	He	0.256	0.0742	2100.24	0.2651	0.006358
Pb	208	3	He	0.269	0.0778	2360.30	0.2651	0.006358
Pb	208	3	He	0.253	0.0735	2190.27	0.2651	0.006358
U	238	3	He	0.539	0.1635	8793.34	0.3022	0.0005338
U	238	3	He	0.509	0.1543	8633.19	0.3022	0.0005338
U	238	3	He	0.524	0.1588	8943.42	0.3022	0.0005338
Sc	45	1	No Gas			196804.31		
Sc	45	1	No Gas			189904.61		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			196827.97		
Ge	72	1	No Gas			124952.21		
Ge	72	1	No Gas			122066.49		
Ge	72	1	No Gas			124084.74		
Sc	45	2	H2			36215.70		
Sc	45	2	H2			35925.11		
Sc	45	2	H2			36706.97		
Ge	72	2	H2			27617.48		
Ge	72	2	H2			27607.47		
Ge	72	2	H2			27597.37		
In	115	2	H2			68308.14		
In	115	2	H2			66951.91		
In	115	2	H2			67785.94		
Sc	45	3	He			5071.06		
Sc	45	3	He			4880.99		
Sc	45	3	He			5021.04		
Ge	72	3	He			10244.00		
Ge	72	3	He			10454.24		
Ge	72	3	He			9953.81		
In	115	3	He			12275.81		
In	115	3	He			12846.34		
In	115	3	He			12455.99		
Tb	159	3	He			53767.29		
Tb	159	3	He			55936.51		
Tb	159	3	He			56308.11		
Bi	209	3	He			44948.42		
Bi	209	3	He			46101.90		
Bi	209	3	He			47005.42		

Quantitation Report

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Sample Name	180-191166-H-1-A MS
Sample Type	Sample
Comment	MS-C11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

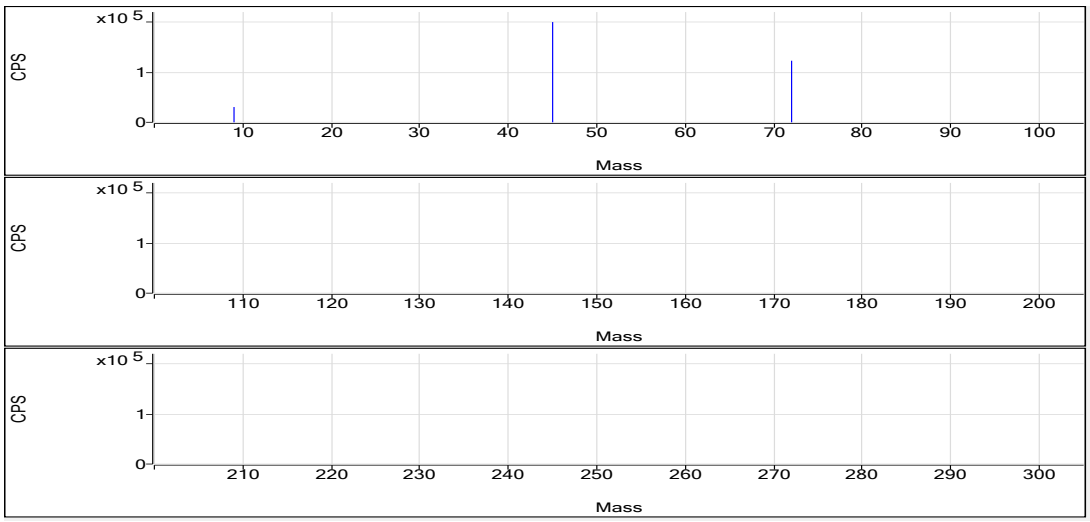
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	43.745	ppb	0.2	30428.87	0.1522	Pulse	0.5000	3
Se	78	72	H2	97.792	ppb	1.2	9643.93	0.3453	Pulse	1.5000	3
Na	23	45	He	27260.631	ppb	7.2	3168224.12	590.8968	Pulse	0.1000	3
Mg	24	45	He	28711.253	ppb	7.4	1677099.40	312.8163	Pulse	0.1000	3
Al	27	45	He	4340.035	ppb	6.7	86095.24	16.0536	Pulse	0.1000	3
K	39	45	He	9268.667	ppb	7.5	496650.74	92.6374	Pulse	0.1000	3
Ca	44	115	He	104291.007	ppb	1.3	291689.66	22.8458	Pulse	0.1000	3
Ti	47	72	He	446.651	ppb	4.8	9383.30	0.9102	Pulse	0.1000	3
V	51	45	He	430.840	ppb	7.2	378678.92	70.6244	Pulse	0.5000	3
Cr	52	72	He	437.576	ppb	0.9	470620.96	45.6454	Pulse	0.1000	3
Mn	55	72	He	1611.256	ppb	1.6	845420.95	81.9991	Pulse	0.1000	3
Fe	57	45	He	4444.291	ppb	6.7	98803.69	18.4231	Pulse	0.1000	3
Co	59	72	He	428.080	ppb	1.5	868017.90	84.1913	Pulse	0.1000	3
Ni	60	115	He	428.220	ppb	0.7	236200.07	18.4995	Pulse	0.1000	3
Cu	63	115	He	433.421	ppb	0.9	676174.73	52.9592	Pulse	0.1000	3
Zn	66	115	He	448.497	ppb	1.6	91343.66	7.1543	Pulse	0.1000	3
As	75	115	He	463.655	ppb	1.5	78376.39	6.1387	Pulse	0.5000	3
Sr	88	72	He	397.242	ppb	1.8	353842.17	34.3186	Pulse	0.1000	3
Mo	98	159	He	116.312	ppb	1.3	197520.82	3.5299	Pulse	0.1000	3
Ag	107	72	He	44.351	ppb	1.4	160131.17	15.5314	Pulse	0.1000	3
Cd	111	72	He	44.747	ppb	0.3	20950.40	2.0319	Pulse	0.5000	3
Sn	120	159	He	90.419	ppb	1.4	145846.33	2.6064	Pulse	0.1000	3
Sb	121	159	He	93.849	ppb	1.9	137367.10	2.4550	Pulse	0.1000	3
Ba	137	159	He	486.221	ppb	0.4	267423.38	4.7787	Pulse	0.1000	3
Tl	205	159	He	94.553	ppb	2.5	1029161.49	18.3924	Pulse	0.1000	3
Pb	208	159	He	47.282	ppb	2.9	701806.78	12.5424	Pulse	0.1000	3
U	238	159	He	49.219	ppb	2.6	832234.44	14.8731	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	199934.45	1.0	109.1	Pulse	0.1000	3
No Gas	Ge	72	122844.06	0.3	109.7	Pulse	0.1000	3
H2	Sc	45	35992.10	0.8	106.1	Pulse	0.1000	3
H2	Ge	72	27924.68	0.6	108.0	Pulse	0.1000	3
H2	In	115	73340.87	0.9	114.7	Pulse	0.1000	3
He	Sc	45	5377.84	6.2	113.1	Pulse	0.1000	3
He	Ge	72	10310.72	0.6	106.0	Pulse	0.1000	3
He	In	115	12768.19	0.5	109.0	Pulse	0.1000	3
He	Tb	159	55960.23	0.9	112.2	Pulse	0.1000	3
He	Bi	209	45877.88	2.9	112.2	Pulse	0.1000	3

No Gas



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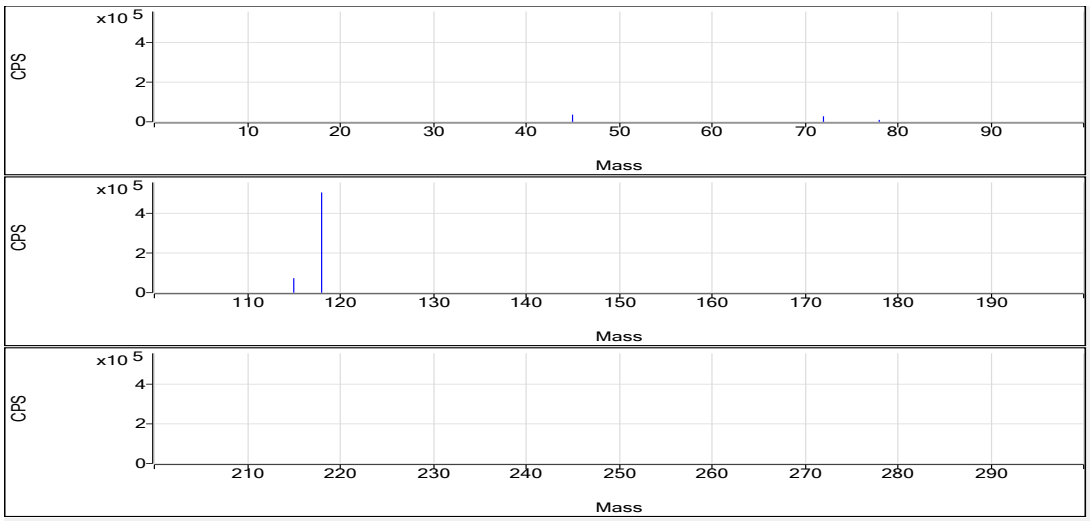
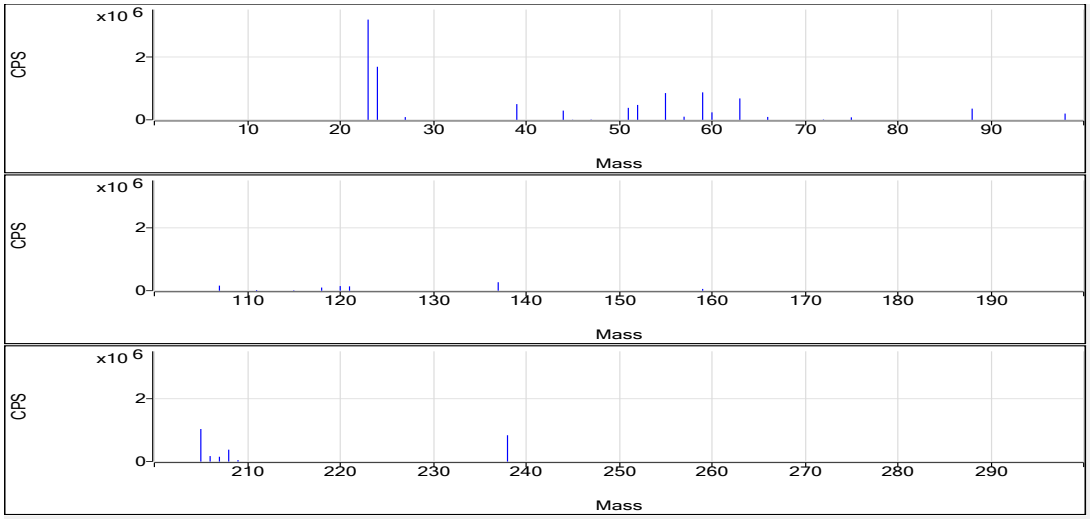


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	43.747	0.1522	30084.14	0.0035	0.0001638
Be	9	1	No Gas	43.642	0.1518	30561.12	0.0035	0.0001638
Be	9	1	No Gas	43.845	0.1525	30641.34	0.0035	0.0001638
Se	78	2	H2	96.425	0.3405	9448.46	0.0035	8.664E-05
Se	78	2	H2	98.61	0.3482	9770.68	0.0035	8.664E-05
Se	78	2	H2	98.341	0.3473	9712.64	0.0035	8.664E-05
Na	23	3	He	29534.482	640.1171	3194824.64	0.0216	0.8064
Na	23	3	He	26164.997	567.1804	3154237.77	0.0216	0.8064
Na	23	3	He	26082.414	565.3928	3155609.95	0.0216	0.8064
Mg	24	3	He	31164.269	339.5335	1694611.69	0.0109	0.1054
Mg	24	3	He	27620.676	300.9382	1673595.44	0.0109	0.1054
Mg	24	3	He	27348.814	297.9772	1663091.07	0.0109	0.1054
Al	27	3	He	4671.691	17.2796	86242.66	0.0037	0.009095
Al	27	3	He	4218.822	15.6054	86785.95	0.0037	0.009095
Al	27	3	He	4129.592	15.2756	85257.11	0.0037	0.009095
K	39	3	He	10074.836	100.5793	501991.09	0.0099	1.328
K	39	3	He	8905.291	89.0577	495272.77	0.0099	1.328
K	39	3	He	8825.876	88.2753	492688.35	0.0099	1.328
Ca	44	3	He	105727.529	23.1604	295109.41	0.0002	0.004867
Ca	44	3	He	104205.968	22.8271	290433.22	0.0002	0.004867
Ca	44	3	He	102939.522	22.5498	289526.34	0.0002	0.004867
Ti	47	3	He	447.284	0.9115	9383.33	0.002	0
Ti	47	3	He	424.963	0.866	8993.03	0.002	0
Ti	47	3	He	467.707	0.9531	9773.55	0.002	0
V	51	3	He	466.434	76.4558	381590.94	0.1638	0.04039
V	51	3	He	413.37	67.7624	376844.06	0.1638	0.04039
V	51	3	He	412.716	67.6552	377601.75	0.1638	0.04039
Cr	52	3	He	440.93	45.9947	473472.22	0.1041	0.08357
Cr	52	3	He	433.084	45.1777	469129.60	0.1041	0.08357
Cr	52	3	He	438.713	45.7638	469261.05	0.1041	0.08357
Mn	55	3	He	1632.839	83.0974	855410.46	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	1582.437	80.5326	836258.89	0.0509	0.00756
Mn	55	3	He	1618.493	82.3674	844593.50	0.0509	0.00756
Fe	57	3	He	4785.895	19.8374	99008.42	0.0041	0.02373
Fe	57	3	He	4257.82	17.6512	98162.66	0.0041	0.02373
Fe	57	3	He	4289.159	17.7809	99240.00	0.0041	0.02373
Co	59	3	He	431.518	84.8672	873629.36	0.1966	0.009981
Co	59	3	He	420.601	82.7206	858979.21	0.1966	0.009981
Co	59	3	He	432.122	84.986	871445.14	0.1966	0.009981
Ni	60	3	He	429.22	18.5427	236270.56	0.0432	0.01878
Ni	60	3	He	430.598	18.6022	236677.97	0.0432	0.01878
Ni	60	3	He	424.842	18.3537	235651.68	0.0432	0.01878
Cu	63	3	He	436.006	53.275	678830.07	0.1222	0.01194
Cu	63	3	He	435.265	53.1846	676675.30	0.1222	0.01194
Cu	63	3	He	428.991	52.4181	673018.82	0.1222	0.01194
Zn	66	3	He	454.432	7.249	92366.27	0.0159	0.002839
Zn	66	3	He	450.298	7.183	91390.97	0.0159	0.002839
Zn	66	3	He	440.761	7.031	90273.75	0.0159	0.002839
As	75	3	He	468.633	6.2046	79058.86	0.0132	0.0009658
As	75	3	He	466.497	6.1763	78582.20	0.0132	0.0009658
As	75	3	He	455.835	6.0352	77488.13	0.0132	0.0009658
Sr	88	3	He	405.298	35.0144	360440.39	0.0864	0.005458
Sr	88	3	He	392.973	33.9498	352538.04	0.0864	0.005458
Sr	88	3	He	393.456	33.9915	348548.08	0.0864	0.005458
Mo	98	3	He	114.909	3.4874	196651.46	0.0303	0.001942
Mo	98	3	He	117.916	3.5786	198163.69	0.0303	0.001942
Mo	98	3	He	116.11	3.5238	197747.32	0.0303	0.001942
Ag	107	3	He	44.151	15.4614	159161.11	0.3501	0.002425
Ag	107	3	He	43.846	15.3546	159443.49	0.3501	0.002425
Ag	107	3	He	45.055	15.7782	161788.91	0.3501	0.002425
Cd	111	3	He	44.612	2.0258	20853.59	0.0454	6.986E-05
Cd	111	3	He	44.718	2.0306	21085.92	0.0454	6.986E-05
Cd	111	3	He	44.911	2.0394	20911.69	0.0454	6.986E-05
Sn	120	3	He	90.375	2.6052	146903.67	0.0284	0.03615
Sn	120	3	He	91.747	2.6442	146419.18	0.0284	0.03615
Sn	120	3	He	89.134	2.5699	144216.14	0.0284	0.03615
Sb	121	3	He	92.967	2.4319	137134.51	0.0262	0.000803
Sb	121	3	He	95.877	2.508	138881.40	0.0262	0.000803
Sb	121	3	He	92.702	2.425	136085.40	0.0262	0.000803
Ba	137	3	He	487.51	4.7914	270180.52	0.0098	0.0007342
Ba	137	3	He	484.176	4.7586	263505.43	0.0098	0.0007342
Ba	137	3	He	486.976	4.7861	268584.18	0.0098	0.0007342
Tl	205	3	He	91.927	17.8818	1008335.61	0.1945	0.002744
Tl	205	3	He	95.323	18.5422	1026763.34	0.1945	0.002744
Tl	205	3	He	96.408	18.7533	1052385.53	0.1945	0.002744
Pb	208	3	He	45.717	12.1275	366669.45	0.2651	0.006358
Pb	208	3	He	47.789	12.677	376077.18	0.2651	0.006358
Pb	208	3	He	48.339	12.8228	384861.40	0.2651	0.006358
U	238	3	He	47.815	14.4488	814750.22	0.3022	0.0005338
U	238	3	He	49.574	14.9801	829512.25	0.3022	0.0005338
U	238	3	He	50.27	15.1903	852440.85	0.3022	0.0005338
Sc	45	1	No Gas			197657.38		
Sc	45	1	No Gas			201274.84		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			200871.13		
Ge	72	1	No Gas			122732.42		
Ge	72	1	No Gas			123288.38		
Ge	72	1	No Gas			122511.39		
Sc	45	2	H2			36326.18		
Sc	45	2	H2			35825.19		
Sc	45	2	H2			35824.92		
Ge	72	2	H2			27747.73		
Ge	72	2	H2			28058.32		
Ge	72	2	H2			27967.98		
In	115	2	H2			72670.53		
In	115	2	H2			73404.78		
In	115	2	H2			73947.31		
Sc	45	3	He			4991.00		
Sc	45	3	He			5561.26		
Sc	45	3	He			5581.27		
Ge	72	3	He			10294.07		
Ge	72	3	He			10384.10		
Ge	72	3	He			10253.98		
In	115	3	He			13527.02		
In	115	3	He			13486.88		
In	115	3	He			13617.07		
Tb	159	3	He			56388.96		
Tb	159	3	He			55374.43		
Tb	159	3	He			56117.31		
Bi	209	3	He			46101.75		
Bi	209	3	He			44436.28		
Bi	209	3	He			47095.60		

Quantitation Report

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Sample Type	Sample
Comment	MS-C11
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

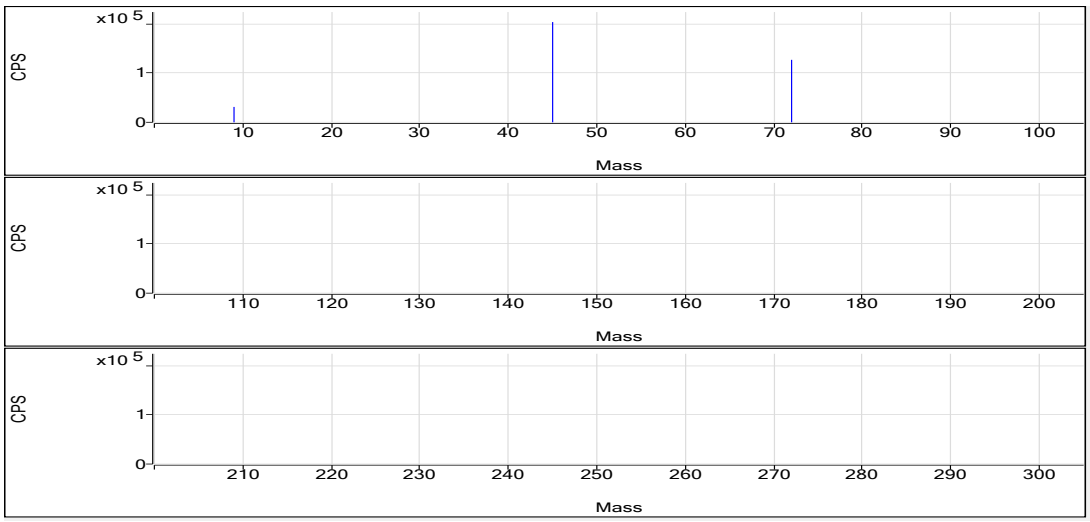
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	44.071	ppb	1.5	31269.24	0.1533	Pulse	0.5000	3
Se	78	72	H2	98.851	ppb	2.4	9962.15	0.3491	Pulse	1.5000	3
Na	23	45	He	28205.807	ppb	6.8	3285052.77	611.3563	Pulse	0.1000	3
Mg	24	45	He	29484.835	ppb	7.8	1725311.95	321.2418	Pulse	0.1000	3
Al	27	45	He	4465.986	ppb	8.8	88675.94	16.5192	Pulse	0.1000	3
K	39	45	He	9451.453	ppb	7.3	507367.10	94.4381	Pulse	0.1000	3
Ca	44	115	He	107244.555	ppb	2.8	301334.35	23.4926	Pulse	0.1000	3
Ti	47	72	He	454.820	ppb	1.2	9566.90	0.9269	Pulse	0.1000	3
V	51	45	He	438.555	ppb	7.4	386175.09	71.8884	Pulse	0.5000	3
Cr	52	72	He	443.122	ppb	2.7	476756.58	46.2228	Pulse	0.1000	3
Mn	55	72	He	1678.817	ppb	3.1	881139.75	85.4371	Pulse	0.1000	3
Fe	57	45	He	4446.771	ppb	6.7	99063.37	18.4334	Pulse	0.1000	3
Co	59	72	He	439.686	ppb	3.1	891827.49	86.4735	Pulse	0.1000	3
Ni	60	115	He	433.531	ppb	1.6	240264.40	18.7288	Pulse	0.1000	3
Cu	63	115	He	441.682	ppb	2.4	692268.97	53.9684	Pulse	0.1000	3
Zn	66	115	He	460.109	ppb	2.7	94144.64	7.3395	Pulse	0.1000	3
As	75	115	He	470.958	ppb	2.4	79983.75	6.2354	Pulse	0.5000	3
Sr	88	72	He	410.303	ppb	2.8	365596.46	35.4467	Pulse	0.1000	3
Mo	98	159	He	117.266	ppb	1.6	203893.13	3.5589	Pulse	0.1000	3
Ag	107	72	He	45.370	ppb	3.9	163827.82	15.8882	Pulse	0.1000	3
Cd	111	72	He	46.330	ppb	2.4	21700.87	2.1038	Pulse	0.5000	3
Sn	120	159	He	89.709	ppb	0.3	148172.87	2.5863	Pulse	0.1000	3
Sb	121	159	He	92.533	ppb	0.7	138682.36	2.4206	Pulse	0.1000	3
Ba	137	159	He	480.999	ppb	0.8	270837.76	4.7274	Pulse	0.1000	3
Tl	205	159	He	93.977	ppb	2.1	1047337.98	18.2804	Pulse	0.1000	3
Pb	208	159	He	47.128	ppb	1.7	716258.65	12.5016	Pulse	0.1000	3
U	238	159	He	49.009	ppb	2.7	848476.50	14.8095	Pulse	0.1000	3

ISTD Table:

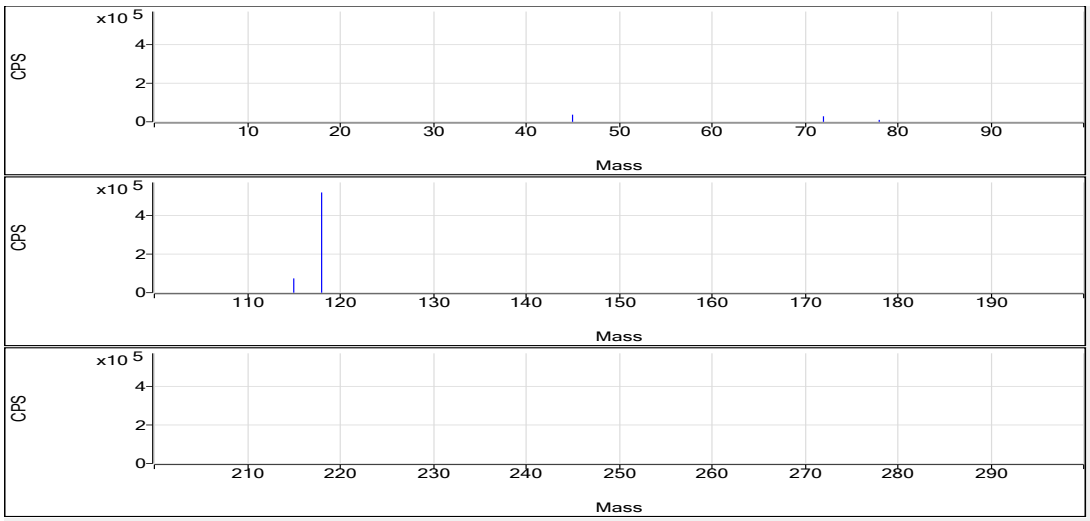
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	203939.38	0.2	111.3	Pulse	0.1000	3
No Gas	Ge	72	127101.85	2.3	113.5	Pulse	0.1000	3
H2	Sc	45	36924.49	1.8	108.9	Pulse	0.1000	3
H2	Ge	72	28545.93	2.0	110.4	Pulse	0.1000	3
H2	In	115	73933.68	0.0	115.6	Pulse	0.1000	3
He	Sc	45	5391.20	7.3	113.4	Pulse	0.1000	3
He	Ge	72	10320.69	3.5	106.1	Pulse	0.1000	3
He	In	115	12831.17	1.9	109.6	Pulse	0.1000	3
He	Tb	159	57292.28	0.3	114.8	Pulse	0.1000	3
He	Bi	209	46215.78	1.4	113.0	Pulse	0.1000	3

No Gas

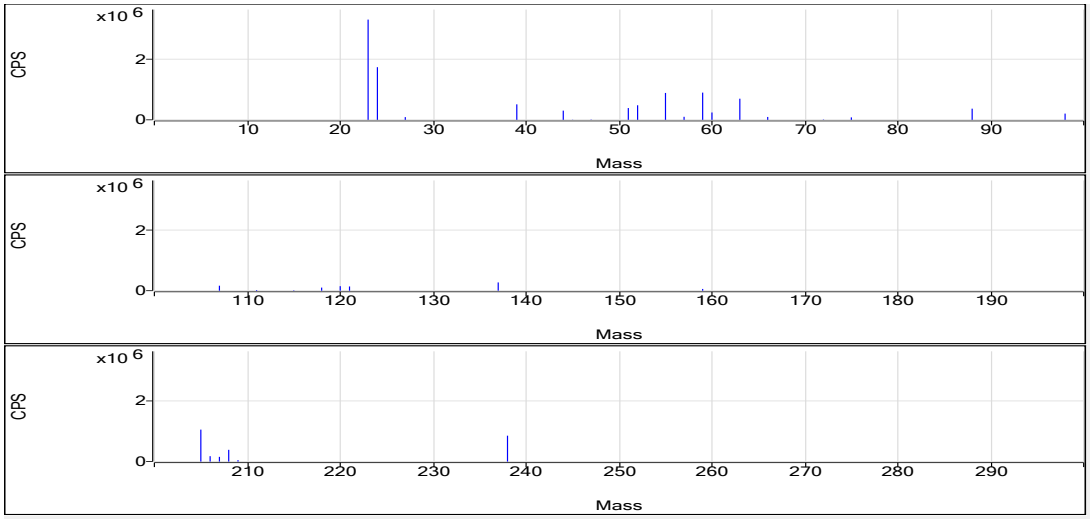


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	43.314	0.1507	30747.48	0.0035	0.0001638
Be	9	1	No Gas	44.487	0.1548	31607.26	0.0035	0.0001638
Be	9	1	No Gas	44.41	0.1545	31452.99	0.0035	0.0001638
Se	78	2	H2	98.293	0.3471	9808.70	0.0035	8.664E-05
Se	78	2	H2	96.77	0.3417	9978.82	0.0035	8.664E-05
Se	78	2	H2	101.489	0.3584	10098.92	0.0035	8.664E-05
Na	23	3	He	28638.4	620.7203	3309165.58	0.0216	0.8064
Na	23	3	He	29874.505	647.4774	3257516.83	0.0216	0.8064
Na	23	3	He	26104.517	565.8713	3288475.89	0.0216	0.8064
Mg	24	3	He	29757.038	324.2065	1728400.13	0.0109	0.1054
Mg	24	3	He	31635.908	344.6704	1734067.79	0.0109	0.1054
Mg	24	3	He	27061.56	294.8485	1713467.94	0.0109	0.1054
Al	27	3	He	4525.507	16.7392	89239.60	0.0037	0.009095
Al	27	3	He	4826.945	17.8536	89822.99	0.0037	0.009095
Al	27	3	He	4045.506	14.9647	86965.24	0.0037	0.009095
K	39	3	He	9663.533	96.5274	514603.82	0.0099	1.328
K	39	3	He	10010.915	99.9496	502855.19	0.0099	1.328
K	39	3	He	8679.911	86.8374	504642.30	0.0099	1.328
Ca	44	3	He	109754.038	24.0422	305073.63	0.0002	0.004867
Ca	44	3	He	103875.608	22.7548	298351.54	0.0002	0.004867
Ca	44	3	He	108104.017	23.6809	300577.89	0.0002	0.004867
Ti	47	3	He	460.955	0.9394	9923.84	0.002	0
Ti	47	3	He	449.992	0.917	9623.61	0.002	0
Ti	47	3	He	453.513	0.9242	9153.26	0.002	0
V	51	3	He	443.772	72.7431	387806.03	0.1638	0.04039
V	51	3	He	467.966	76.7067	385918.31	0.1638	0.04039
V	51	3	He	403.927	66.2154	384800.94	0.1638	0.04039
Cr	52	3	He	437.962	45.6856	482630.03	0.1041	0.08357
Cr	52	3	He	434.515	45.3267	475664.99	0.1041	0.08357
Cr	52	3	He	456.887	47.6562	471974.72	0.1041	0.08357
Mn	55	3	He	1648.998	83.9197	886542.02	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	1649.309	83.9355	880831.16	0.0509	0.00756
Mn	55	3	He	1738.143	88.456	876046.08	0.0509	0.00756
Fe	57	3	He	4571.899	18.9514	101033.37	0.0041	0.02373
Fe	57	3	He	4662.235	19.3254	97228.02	0.0041	0.02373
Fe	57	3	He	4106.18	17.0234	98928.73	0.0041	0.02373
Co	59	3	He	432.531	85.0666	898658.27	0.1966	0.009981
Co	59	3	He	431.196	84.8039	889944.21	0.1966	0.009981
Co	59	3	He	455.33	89.5499	886879.99	0.1966	0.009981
Ni	60	3	He	437.689	18.9082	239927.52	0.0432	0.01878
Ni	60	3	He	425.679	18.3899	241120.52	0.0432	0.01878
Ni	60	3	He	437.226	18.8882	239745.17	0.0432	0.01878
Cu	63	3	He	446.788	54.5922	692724.21	0.1222	0.01194
Cu	63	3	He	429.466	52.4762	688046.16	0.1222	0.01194
Cu	63	3	He	448.791	54.8369	696036.55	0.1222	0.01194
Zn	66	3	He	471.65	7.5235	95466.41	0.0159	0.002839
Zn	66	3	He	446.913	7.1291	93473.51	0.0159	0.002839
Zn	66	3	He	461.764	7.3659	93494.01	0.0159	0.002839
As	75	3	He	481.099	6.3696	80824.32	0.0132	0.0009658
As	75	3	He	458.468	6.07	79587.62	0.0132	0.0009658
As	75	3	He	473.307	6.2665	79539.30	0.0132	0.0009658
Sr	88	3	He	401.729	34.7061	366640.81	0.0864	0.005458
Sr	88	3	He	405.901	35.0665	367992.30	0.0864	0.005458
Sr	88	3	He	423.279	36.5676	362156.28	0.0864	0.005458
Mo	98	3	He	115.573	3.5075	200920.37	0.0303	0.001942
Mo	98	3	He	119.273	3.6198	206692.24	0.0303	0.001942
Mo	98	3	He	116.953	3.5494	204066.77	0.0303	0.001942
Ag	107	3	He	44.298	15.5131	163882.75	0.3501	0.002425
Ag	107	3	He	44.403	15.5499	163182.60	0.3501	0.002425
Ag	107	3	He	47.407	16.6016	164418.12	0.3501	0.002425
Cd	111	3	He	45.467	2.0646	21811.01	0.0454	6.986E-05
Cd	111	3	He	45.969	2.0874	21905.20	0.0454	6.986E-05
Cd	111	3	He	47.555	2.1594	21386.39	0.0454	6.986E-05
Sn	120	3	He	89.994	2.5943	148610.05	0.0284	0.03615
Sn	120	3	He	89.388	2.5771	147156.74	0.0284	0.03615
Sn	120	3	He	89.746	2.5873	148751.81	0.0284	0.03615
Sb	121	3	He	91.806	2.4016	137568.24	0.0262	0.000803
Sb	121	3	He	92.801	2.4276	138617.71	0.0262	0.000803
Sb	121	3	He	92.994	2.4326	139861.13	0.0262	0.000803
Ba	137	3	He	481.951	4.7367	271332.30	0.0098	0.0007342
Ba	137	3	He	484.344	4.7603	271815.64	0.0098	0.0007342
Ba	137	3	He	476.701	4.6852	269365.33	0.0098	0.0007342
Tl	205	3	He	91.683	17.8344	1021596.47	0.1945	0.002744
Tl	205	3	He	94.798	18.4401	1052945.77	0.1945	0.002744
Tl	205	3	He	95.449	18.5669	1067471.70	0.1945	0.002744
Pb	208	3	He	46.322	12.2881	379269.06	0.2651	0.006358
Pb	208	3	He	47.173	12.5136	383400.27	0.2651	0.006358
Pb	208	3	He	47.888	12.7031	392448.12	0.2651	0.006358
U	238	3	He	47.523	14.3604	822600.30	0.3022	0.0005338
U	238	3	He	49.576	14.9807	855413.03	0.3022	0.0005338
U	238	3	He	49.928	15.0872	867416.16	0.3022	0.0005338
Sc	45	1	No Gas			204033.00		
Sc	45	1	No Gas			204216.27		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			203568.88		
Ge	72	1	No Gas			124418.70		
Ge	72	1	No Gas			130239.18		
Ge	72	1	No Gas			126647.66		
Sc	45	2	H2			37017.95		
Sc	45	2	H2			36235.89		
Sc	45	2	H2			37519.64		
Ge	72	2	H2			28258.38		
Ge	72	2	H2			29200.82		
Ge	72	2	H2			28178.60		
In	115	2	H2			73906.98		
In	115	2	H2			73927.29		
In	115	2	H2			73966.76		
Sc	45	3	He			5331.17		
Sc	45	3	He			5031.09		
Sc	45	3	He			5811.35		
Ge	72	3	He			10564.17		
Ge	72	3	He			10494.14		
Ge	72	3	He			9903.75		
In	115	3	He			13486.98		
In	115	3	He			13907.53		
In	115	3	He			13476.86		
Tb	159	3	He			57282.45		
Tb	159	3	He			57100.99		
Tb	159	3	He			57493.40		
Bi	209	3	He			45479.58		
Bi	209	3	He			46593.91		
Bi	209	3	He			46573.84		

Quantitation Report

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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

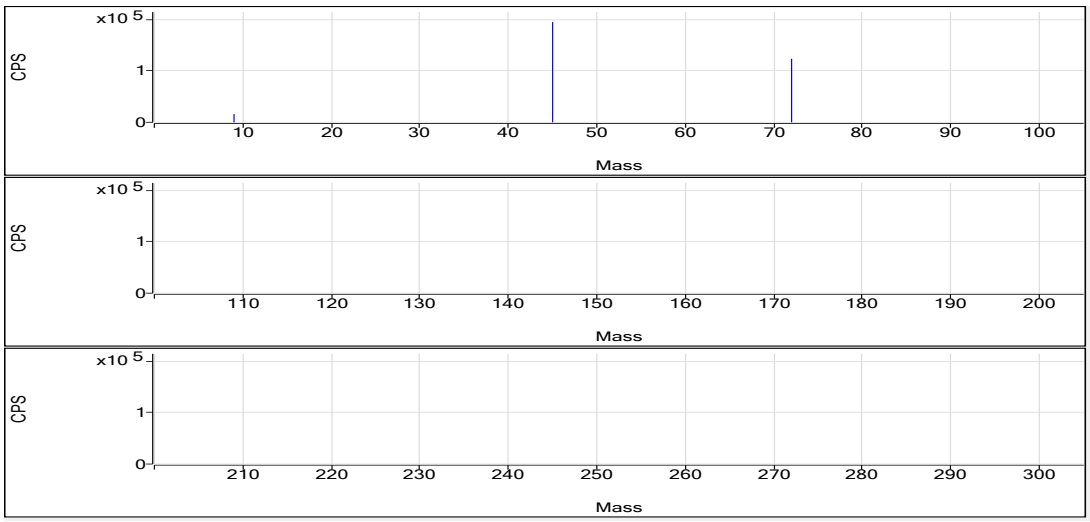
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	23.514	ppb	2.3	15955.20	0.0819	Pulse	0.5000	3
Se	78	72	H2	24.593	ppb	0.8	2540.46	0.0869	Pulse	1.5000	3
Na	23	45	He	2346.182	ppb	6.4	268564.49	51.5925	Pulse	0.1000	3
Mg	24	45	He	2384.522	ppb	4.7	135820.75	26.0766	Pulse	0.1000	3
Al	27	45	He	2392.920	ppb	4.5	46129.85	8.8554	Pulse	0.1000	3
K	39	45	He	2347.752	ppb	5.8	127351.55	24.4570	Pulse	0.1000	3
Ca	44	115	He	2329.557	ppb	2.0	6631.73	0.5151	Pulse	0.1000	3
Ti	47	72	He	2394.543	ppb	4.6	49401.32	4.8799	Pulse	0.1000	3
V	51	45	He	238.537	ppb	5.8	203666.07	39.1196	Pulse	0.5000	3
Cr	52	72	He	241.140	ppb	5.5	254905.85	25.1918	Pulse	0.1000	3
Mn	55	72	He	239.398	ppb	5.3	123360.15	12.1898	Pulse	0.1000	3
Fe	57	45	He	2370.515	ppb	5.3	51228.30	9.8377	Pulse	0.1000	3
Co	59	72	He	238.856	ppb	4.7	475511.74	46.9807	Pulse	0.1000	3
Ni	60	115	He	234.487	ppb	1.6	130550.77	10.1386	Pulse	0.1000	3
Cu	63	115	He	238.387	ppb	2.4	375084.23	29.1336	Pulse	0.1000	3
Zn	66	115	He	241.407	ppb	3.0	49593.14	3.8522	Pulse	0.1000	3
As	75	115	He	240.086	ppb	2.4	40930.94	3.1791	Pulse	0.5000	3
Sr	88	72	He	23.684	ppb	4.5	20762.53	2.0512	Pulse	0.1000	3
Mo	98	159	He	23.559	ppb	0.8	41592.60	0.7166	Pulse	0.1000	3
Ag	107	72	He	25.465	ppb	4.2	90284.72	8.9188	Pulse	0.1000	3
Cd	111	72	He	24.986	ppb	4.3	11486.11	1.1346	Pulse	0.5000	3
Sn	120	159	He	24.668	ppb	3.6	42780.33	0.7374	Pulse	0.1000	3
Sb	121	159	He	23.169	ppb	2.4	35209.06	0.6067	Pulse	0.1000	3
Ba	137	159	He	237.475	ppb	2.2	135469.18	2.3343	Pulse	0.1000	3
Tl	205	159	He	25.439	ppb	1.0	287348.71	4.9505	Pulse	0.1000	3
Pb	208	159	He	24.983	ppb	0.8	384882.60	6.6303	Pulse	0.1000	3
U	238	159	He	25.214	ppb	1.2	442361.14	7.6194	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	194897.03	2.0	106.3	Pulse	0.1000	3
No Gas	Ge	72	123493.27	1.1	110.3	Pulse	0.1000	3
H2	Sc	45	38328.00	1.3	113.0	Pulse	0.1000	3
H2	Ge	72	29233.95	2.4	113.0	Pulse	0.1000	3
H2	In	115	72449.46	2.5	113.3	Pulse	0.1000	3
He	Sc	45	5217.80	5.7	109.7	Pulse	0.1000	3
He	Ge	72	10137.23	5.0	104.2	Pulse	0.1000	3
He	In	115	12879.31	2.3	110.0	Pulse	0.1000	3
He	Tb	159	58048.74	2.4	116.4	Pulse	0.1000	3
He	Bi	209	48835.48	4.2	119.4	Pulse	0.1000	3

No Gas



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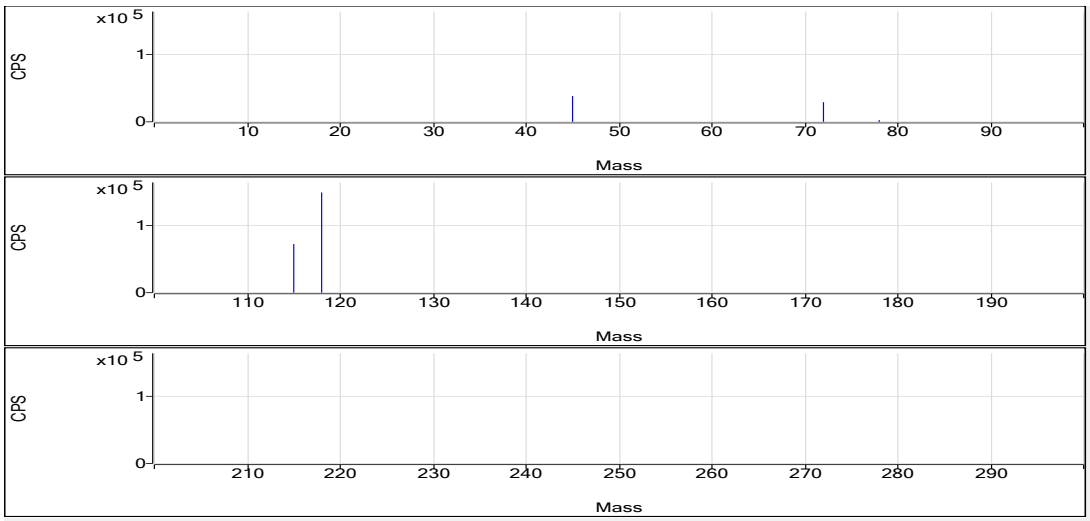
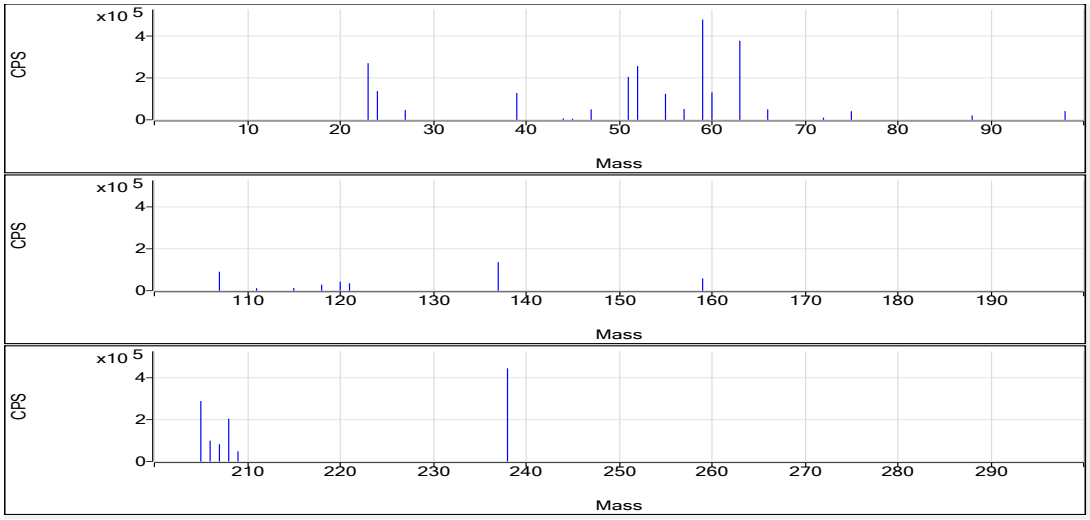


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	23.006	0.0801	15980.57	0.0035	0.0001638
Be	9	1	No Gas	23.469	0.0817	15720.28	0.0035	0.0001638
Be	9	1	No Gas	24.067	0.0838	16164.76	0.0035	0.0001638
Se	78	2	H2	24.744	0.0874	2495.56	0.0035	8.664E-05
Se	78	2	H2	24.357	0.0861	2578.24	0.0035	8.664E-05
Se	78	2	H2	24.679	0.0872	2547.57	0.0035	8.664E-05
Na	23	3	He	2391.279	52.5686	266579.72	0.0216	0.8064
Na	23	3	He	2468.053	54.2305	272291.83	0.0216	0.8064
Na	23	3	He	2179.216	47.9782	266821.91	0.0216	0.8064
Mg	24	3	He	2439.718	26.6778	135285.15	0.0109	0.1054
Mg	24	3	He	2457.698	26.8736	134932.63	0.0109	0.1054
Mg	24	3	He	2256.151	24.6784	137244.48	0.0109	0.1054
Al	27	3	He	2474.945	9.1586	46443.96	0.0037	0.009095
Al	27	3	He	2432.121	9.0003	45190.51	0.0037	0.009095
Al	27	3	He	2271.693	8.4072	46755.07	0.0037	0.009095
K	39	3	He	2445.46	25.4196	128904.62	0.0099	1.328
K	39	3	He	2405.753	25.0284	125667.83	0.0099	1.328
K	39	3	He	2192.042	22.9231	127482.21	0.0099	1.328
Ca	44	3	He	2359.992	0.5217	6581.71	0.0002	0.004867
Ca	44	3	He	2275.043	0.5031	6641.74	0.0002	0.004867
Ca	44	3	He	2353.634	0.5203	6671.74	0.0002	0.004867
Ti	47	3	He	2392.445	4.8756	48140.25	0.002	0
Ti	47	3	He	2504.928	5.1048	50096.97	0.002	0
Ti	47	3	He	2286.255	4.6592	49966.73	0.002	0
V	51	3	He	243.92	40.0016	202851.25	0.1638	0.04039
V	51	3	He	248.974	40.8296	205005.58	0.1638	0.04039
V	51	3	He	222.715	36.5276	203141.39	0.1638	0.04039
Cr	52	3	He	247.441	25.8479	255214.86	0.1041	0.08357
Cr	52	3	He	250.095	26.1243	256374.16	0.1041	0.08357
Cr	52	3	He	225.883	23.6032	253128.53	0.1041	0.08357
Mn	55	3	He	241.567	12.3001	121447.62	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	250.981	12.7792	125410.16	0.0509	0.00756
Mn	55	3	He	225.647	11.49	123222.67	0.0509	0.00756
Fe	57	3	He	2409.671	9.9998	50709.76	0.0041	0.02373
Fe	57	3	He	2472.86	10.2614	51522.59	0.0041	0.02373
Fe	57	3	He	2229.014	9.2519	51452.54	0.0041	0.02373
Co	59	3	He	244.233	48.0381	474314.17	0.1966	0.009981
Co	59	3	He	246.26	48.4366	475339.17	0.1966	0.009981
Co	59	3	He	226.075	44.4673	476881.87	0.1966	0.009981
Ni	60	3	He	238.832	10.3261	130264.52	0.0432	0.01878
Ni	60	3	He	231.917	10.0276	132374.12	0.0432	0.01878
Ni	60	3	He	232.712	10.062	129013.66	0.0432	0.01878
Cu	63	3	He	242.825	29.6757	374362.89	0.1222	0.01194
Cu	63	3	He	231.98	28.3509	374258.47	0.1222	0.01194
Cu	63	3	He	240.355	29.3741	376631.32	0.1222	0.01194
Zn	66	3	He	249.626	3.9832	50249.04	0.0159	0.002839
Zn	66	3	He	235.773	3.7624	49666.52	0.0159	0.002839
Zn	66	3	He	238.822	3.811	48863.86	0.0159	0.002839
As	75	3	He	243.38	3.2228	40655.52	0.0132	0.0009658
As	75	3	He	233.334	3.0898	40787.89	0.0132	0.0009658
As	75	3	He	243.542	3.2249	41349.42	0.0132	0.0009658
Sr	88	3	He	24.379	2.1113	20845.95	0.0864	0.005458
Sr	88	3	He	24.221	2.0977	20585.72	0.0864	0.005458
Sr	88	3	He	22.451	1.9447	20855.93	0.0864	0.005458
Mo	98	3	He	23.665	0.7197	40599.69	0.0303	0.001942
Mo	98	3	He	23.66	0.7196	42385.04	0.0303	0.001942
Mo	98	3	He	23.353	0.7103	41793.08	0.0303	0.001942
Ag	107	3	He	26.023	9.114	89989.48	0.3501	0.002425
Ag	107	3	He	26.138	9.1545	89838.74	0.3501	0.002425
Ag	107	3	He	24.234	8.4878	91025.95	0.3501	0.002425
Cd	111	3	He	25.856	1.1741	11592.87	0.0454	6.986E-05
Cd	111	3	He	25.313	1.1495	11280.61	0.0454	6.986E-05
Cd	111	3	He	23.788	1.0802	11584.84	0.0454	6.986E-05
Sn	120	3	He	25.687	0.7663	43228.22	0.0284	0.03615
Sn	120	3	He	24.314	0.7273	42837.59	0.0284	0.03615
Sn	120	3	He	24.004	0.7185	42275.18	0.0284	0.03615
Sb	121	3	He	23.571	0.6172	34814.58	0.0262	0.000803
Sb	121	3	He	22.54	0.5902	34764.75	0.0262	0.000803
Sb	121	3	He	23.397	0.6127	36047.84	0.0262	0.000803
Ba	137	3	He	241.926	2.3781	134142.78	0.0098	0.0007342
Ba	137	3	He	231.725	2.2778	134163.09	0.0098	0.0007342
Ba	137	3	He	238.775	2.3471	138101.68	0.0098	0.0007342
Tl	205	3	He	25.558	4.9736	280552.22	0.1945	0.002744
Tl	205	3	He	25.159	4.8959	288366.19	0.1945	0.002744
Tl	205	3	He	25.601	4.9819	293127.73	0.1945	0.002744
Pb	208	3	He	24.97	6.6267	196771.03	0.2651	0.006358
Pb	208	3	He	24.786	6.5779	205499.63	0.2651	0.006358
Pb	208	3	He	25.194	6.6862	208572.95	0.2651	0.006358
U	238	3	He	24.944	7.5378	425190.62	0.3022	0.0005338
U	238	3	He	25.15	7.6	447634.60	0.3022	0.0005338
U	238	3	He	25.548	7.7204	454258.20	0.3022	0.0005338
Sc	45	1	No Gas			199460.91		
Sc	45	1	No Gas			192346.58		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			192883.59		
Ge	72	1	No Gas			124699.97		
Ge	72	1	No Gas			123751.21		
Ge	72	1	No Gas			122028.64		
Sc	45	2	H2			37930.25		
Sc	45	2	H2			38892.85		
Sc	45	2	H2			38160.89		
Ge	72	2	H2			28539.05		
Ge	72	2	H2			29952.31		
Ge	72	2	H2			29210.49		
In	115	2	H2			70348.81		
In	115	2	H2			73726.26		
In	115	2	H2			73273.32		
Sc	45	3	He			5071.08		
Sc	45	3	He			5021.01		
Sc	45	3	He			5561.31		
Ge	72	3	He			9873.71		
Ge	72	3	He			9813.64		
Ge	72	3	He			10724.33		
In	115	3	He			12836.40		
In	115	3	He			13416.89		
In	115	3	He			13046.47		
Tb	159	3	He			56408.11		
Tb	159	3	He			58899.32		
Tb	159	3	He			58838.78		
Bi	209	3	He			46855.41		
Bi	209	3	He			48711.09		
Bi	209	3	He			50939.93		

Quantitation Report

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Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

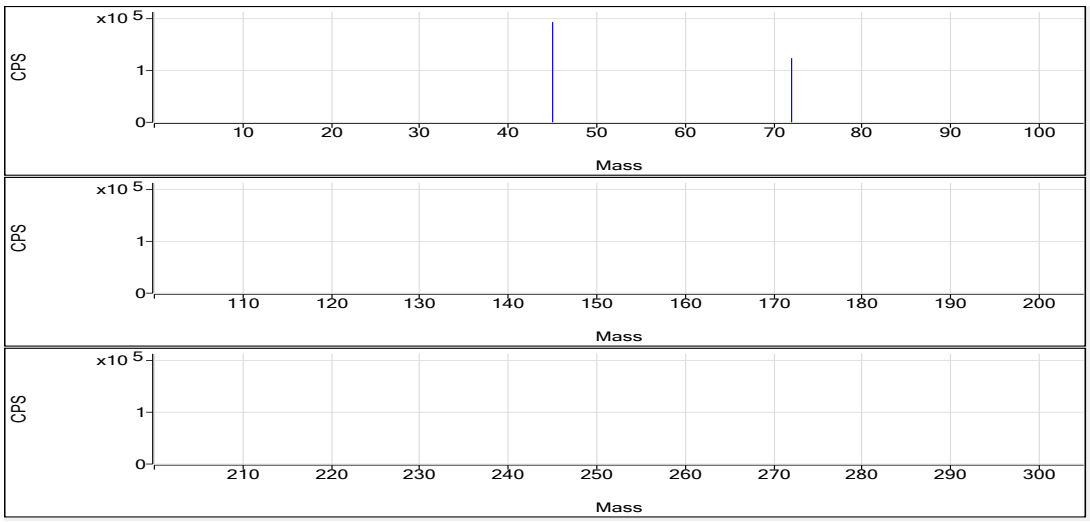
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.053	ppb	12.0	67.33	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.049	ppb	30.4	7.33	0.0003	Pulse	1.5000	3
Na	23	45	He	-5.514	ppb	N/A	3443.85	0.6871	Pulse	0.1000	3
Mg	24	45	He	2.247	ppb	36.2	650.04	0.1299	Pulse	0.1000	3
Al	27	45	He	0.426	ppb	89.2	53.33	0.0107	Pulse	0.1000	3
K	39	45	He	-8.055	ppb	N/A	6254.91	1.2491	Pulse	0.1000	3
Ca	44	115	He	-0.451	ppb	N/A	63.33	0.0048	Pulse	0.1000	3
Ti	47	72	He	0.914	ppb	85.6	20.00	0.0019	Pulse	0.1000	3
V	51	45	He	0.099	ppb	23.6	283.34	0.0566	Pulse	0.5000	3
Cr	52	72	He	-0.041	ppb	N/A	846.72	0.0793	Pulse	0.1000	3
Mn	55	72	He	0.268	ppb	37.9	226.68	0.0212	Pulse	0.1000	3
Fe	57	45	He	-0.941	ppb	N/A	100.00	0.0198	Pulse	0.1000	3
Co	59	72	He	0.065	ppb	15.4	243.34	0.0228	Pulse	0.1000	3
Ni	60	115	He	0.032	ppb	327.6	266.68	0.0201	Pulse	0.1000	3
Cu	63	115	He	-0.005	ppb	N/A	150.01	0.0113	Pulse	0.1000	3
Zn	66	115	He	0.140	ppb	140.9	66.67	0.0051	Pulse	0.1000	3
As	75	115	He	0.125	ppb	3.0	34.67	0.0026	Pulse	0.5000	3
Sr	88	72	He	0.005	ppb	215.9	63.33	0.0059	Pulse	0.1000	3
Mo	98	159	He	0.053	ppb	19.6	203.34	0.0036	Pulse	0.1000	3
Ag	107	72	He	0.003	ppb	111.4	36.67	0.0034	Pulse	0.1000	3
Cd	111	72	He	0.005	ppb	118.5	3.33	0.0003	Pulse	0.5000	3
Sn	120	159	He	0.089	ppb	204.1	2206.98	0.0387	Pulse	0.1000	3
Sb	121	159	He	0.087	ppb	29.2	176.68	0.0031	Pulse	0.1000	3
Ba	137	159	He	0.044	ppb	150.7	66.67	0.0012	Pulse	0.1000	3
Tl	205	159	He	0.004	ppb	157.3	196.68	0.0034	Pulse	0.1000	3
Pb	208	159	He	0.000	ppb	569.6	370.01	0.0065	Pulse	0.1000	3
U	238	159	He	0.007	ppb	32.9	143.34	0.0025	Pulse	0.1000	3

ISTD Table:

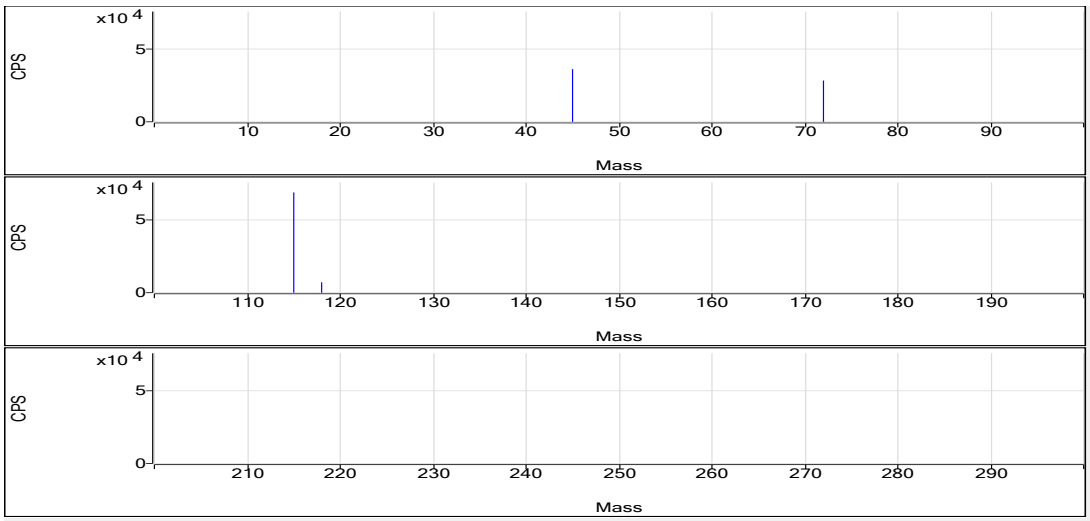
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	193863.62	0.6	105.8	Pulse	0.1000	3
No Gas	Ge	72	124047.69	0.3	110.8	Pulse	0.1000	3
H2	Sc	45	36326.29	2.0	107.1	Pulse	0.1000	3
H2	Ge	72	28472.82	2.3	110.1	Pulse	0.1000	3
H2	In	115	69125.55	0.3	108.1	Pulse	0.1000	3
He	Sc	45	5007.70	2.2	105.3	Pulse	0.1000	3
He	Ge	72	10670.99	1.4	109.7	Pulse	0.1000	3
He	In	115	13242.47	1.7	113.1	Pulse	0.1000	3
He	Tb	159	57061.35	1.4	114.4	Pulse	0.1000	3
He	Bi	209	49270.44	1.3	120.5	Pulse	0.1000	3

No Gas

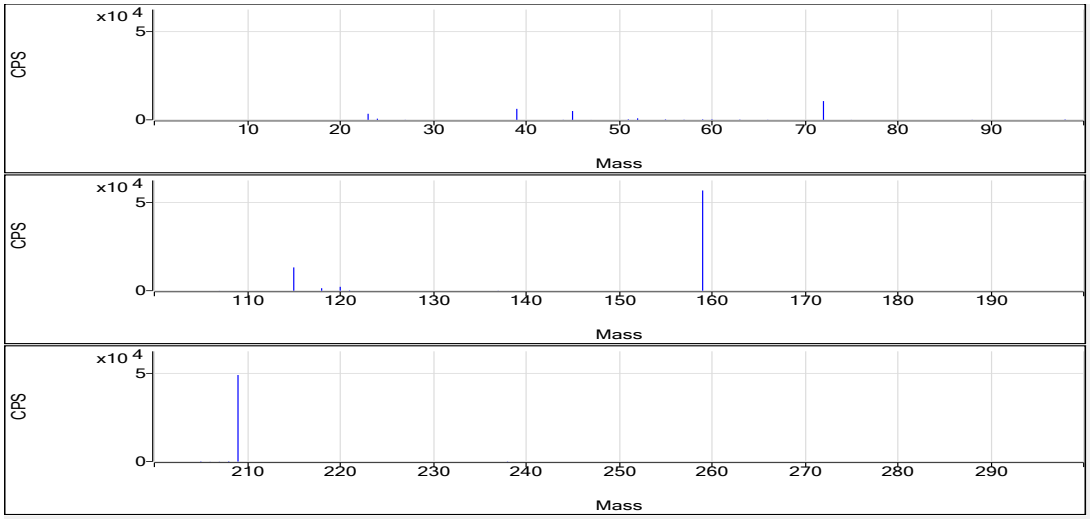


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.047	0.0003	64.00	0.0035	0.0001638
Be	9	1	No Gas	0.06	0.0004	72.00	0.0035	0.0001638
Be	9	1	No Gas	0.051	0.0003	66.00	0.0035	0.0001638
Se	78	2	H2	0.034	0.0002	6.00	0.0035	8.664E-05
Se	78	2	H2	0.063	0.0003	8.67	0.0035	8.664E-05
Se	78	2	H2	0.049	0.0003	7.33	0.0035	8.664E-05
Na	23	3	He	-4.78	0.7029	3550.54	0.0216	0.8064
Na	23	3	He	-7.815	0.6372	3110.42	0.0216	0.8064
Na	23	3	He	-3.946	0.721	3670.59	0.0216	0.8064
Mg	24	3	He	2.866	0.1366	690.04	0.0109	0.1054
Mg	24	3	He	2.551	0.1332	650.03	0.0109	0.1054
Mg	24	3	He	1.325	0.1198	610.04	0.0109	0.1054
Al	27	3	He	0.217	0.0099	50.00	0.0037	0.009095
Al	27	3	He	0.865	0.0123	60.00	0.0037	0.009095
Al	27	3	He	0.196	0.0098	50.00	0.0037	0.009095
K	39	3	He	-5.194	1.2773	6451.71	0.0099	1.328
K	39	3	He	-8.168	1.248	6091.47	0.0099	1.328
K	39	3	He	-10.801	1.2221	6221.54	0.0099	1.328
Ca	44	3	He	2.294	0.0054	70.00	0.0002	0.004867
Ca	44	3	He	11.665	0.0074	100.00	0.0002	0.004867
Ca	44	3	He	-15.313	0.0015	20.00	0.0002	0.004867
Ti	47	3	He	1.818	0.0037	40.00	0.002	0
Ti	47	3	He	0.458	0.0009	10.00	0.002	0
Ti	47	3	He	0.467	0.001	10.00	0.002	0
V	51	3	He	0.109	0.0582	294.01	0.1638	0.04039
V	51	3	He	0.116	0.0594	290.01	0.1638	0.04039
V	51	3	He	0.072	0.0522	266.00	0.1638	0.04039
Cr	52	3	He	-0.064	0.0769	830.05	0.1041	0.08357
Cr	52	3	He	-0.005	0.0831	890.06	0.1041	0.08357
Cr	52	3	He	-0.053	0.0781	820.05	0.1041	0.08357
Mn	55	3	He	0.325	0.0241	260.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.328	0.0243	260.01	0.0509	0.00756
Mn	55	3	He	0.151	0.0152	160.01	0.0509	0.00756
Fe	57	3	He	-1.428	0.0178	90.00	0.0041	0.02373
Fe	57	3	He	-3.257	0.0102	50.00	0.0041	0.02373
Fe	57	3	He	1.86	0.0314	160.01	0.0041	0.02373
Co	59	3	He	0.072	0.0241	260.01	0.1966	0.009981
Co	59	3	He	0.054	0.0205	220.01	0.1966	0.009981
Co	59	3	He	0.07	0.0238	250.01	0.1966	0.009981
Ni	60	3	He	0.116	0.0238	310.01	0.0432	0.01878
Ni	60	3	He	0.064	0.0215	290.01	0.0432	0.01878
Ni	60	3	He	-0.084	0.0151	200.01	0.0432	0.01878
Cu	63	3	He	-0.022	0.0092	120.00	0.1222	0.01194
Cu	63	3	He	-0.013	0.0104	140.01	0.1222	0.01194
Cu	63	3	He	0.02	0.0144	190.01	0.1222	0.01194
Zn	66	3	He	0.351	0.0084	110.00	0.0159	0.002839
Zn	66	3	He	-0.038	0.0022	30.00	0.0159	0.002839
Zn	66	3	He	0.107	0.0045	60.00	0.0159	0.002839
As	75	3	He	0.124	0.0026	34.00	0.0132	0.0009658
As	75	3	He	0.129	0.0027	36.00	0.0132	0.0009658
As	75	3	He	0.121	0.0026	34.00	0.0132	0.0009658
Sr	88	3	He	0.012	0.0065	70.00	0.0864	0.005458
Sr	88	3	He	0.012	0.0065	70.00	0.0864	0.005458
Sr	88	3	He	-0.008	0.0048	50.00	0.0864	0.005458
Mo	98	3	He	0.042	0.0032	180.01	0.0303	0.001942
Mo	98	3	He	0.057	0.0037	210.01	0.0303	0.001942
Mo	98	3	He	0.062	0.0038	220.01	0.0303	0.001942
Ag	107	3	He	0.001	0.0028	30.00	0.3501	0.002425
Ag	107	3	He	0.001	0.0028	30.00	0.3501	0.002425
Ag	107	3	He	0.007	0.0048	50.00	0.3501	0.002425
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	0.011	0.0006	6.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Sn	120	3	He	0.099	0.039	2190.26	0.0284	0.03615
Sn	120	3	He	-0.097	0.0334	1910.20	0.0284	0.03615
Sn	120	3	He	0.264	0.0436	2520.47	0.0284	0.03615
Sb	121	3	He	0.065	0.0025	140.01	0.0262	0.000803
Sb	121	3	He	0.083	0.003	170.01	0.0262	0.000803
Sb	121	3	He	0.115	0.0038	220.01	0.0262	0.000803
Ba	137	3	He	0.016	0.0009	50.00	0.0098	0.0007342
Ba	137	3	He	-0.004	0.0007	40.00	0.0098	0.0007342
Ba	137	3	He	0.119	0.0019	110.00	0.0098	0.0007342
Tl	205	3	He	0.001	0.0028	160.01	0.1945	0.002744
Tl	205	3	He	0.01	0.0047	270.01	0.1945	0.002744
Tl	205	3	He	0	0.0028	160.01	0.1945	0.002744
Pb	208	3	He	-0.003	0.0057	210.01	0.2651	0.006358
Pb	208	3	He	0.002	0.007	250.01	0.2651	0.006358
Pb	208	3	He	0.001	0.0068	230.01	0.2651	0.006358
U	238	3	He	0.009	0.0032	180.01	0.3022	0.0005338
U	238	3	He	0.006	0.0024	140.01	0.3022	0.0005338
U	238	3	He	0.005	0.0019	110.00	0.3022	0.0005338
Sc	45	1	No Gas			195073.49		
Sc	45	1	No Gas			193825.93		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			192691.44		
Ge	72	1	No Gas			124044.66		
Ge	72	1	No Gas			123701.94		
Ge	72	1	No Gas			124396.48		
Sc	45	2	H2			36988.02		
Sc	45	2	H2			36426.48		
Sc	45	2	H2			35564.36		
Ge	72	2	H2			29201.24		
Ge	72	2	H2			27988.08		
Ge	72	2	H2			28229.13		
In	115	2	H2			69373.13		
In	115	2	H2			68921.35		
In	115	2	H2			69082.16		
Sc	45	3	He			5051.07		
Sc	45	3	He			4881.01		
Sc	45	3	He			5091.03		
Ge	72	3	He			10794.41		
Ge	72	3	He			10714.29		
Ge	72	3	He			10504.28		
In	115	3	He			13046.57		
In	115	3	He			13486.90		
In	115	3	He			13226.70		
Tb	159	3	He			56207.12		
Tb	159	3	He			57222.57		
Tb	159	3	He			57754.35		
Bi	209	3	He			48561.04		
Bi	209	3	He			49695.10		
Bi	209	3	He			49555.19		

Quantitation Report

Data File Name	080SMPL.d
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Sample Type	Sample
Comment	D8
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

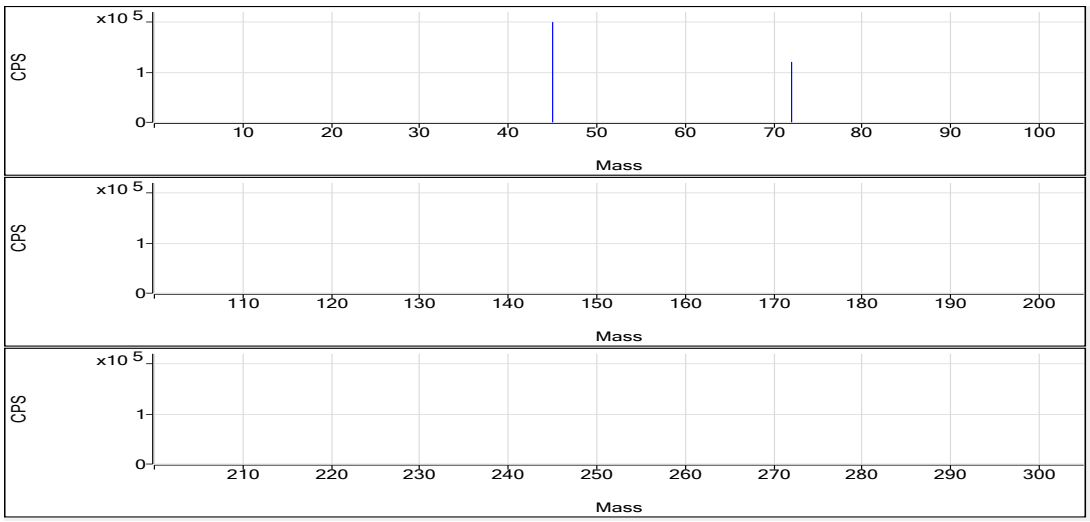
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.073	ppb	42.1	83.33	0.0004	Pulse	0.5000	3
Se	78	72	H2	0.015	ppb	114.6	3.78	0.0001	Pulse	1.5000	3
Na	23	45	He	196163.767	ppb	2.9	22255422.17	4 247.0160	Analog	0.1000	3
Mg	24	45	He	0.440	ppb	323.2	580.03	0.1102	Pulse	0.1000	3
Al	27	45	He	-0.732	ppb	N/A	33.33	0.0064	Pulse	0.1000	3
K	39	45	He	0.319	ppb	1802.1	6991.90	1.3316	Pulse	0.1000	3
Ca	44	115	He	-2.507	ppb	N/A	56.67	0.0043	Pulse	0.1000	3
Ti	47	72	He	0.155	ppb	173.2	3.33	0.0003	Pulse	0.1000	3
V	51	45	He	-0.023	ppb	N/A	191.33	0.0366	Pulse	0.5000	3
Cr	52	72	He	-0.235	ppb	N/A	576.70	0.0591	Pulse	0.1000	3
Mn	55	72	He	0.335	ppb	19.7	243.34	0.0246	Pulse	0.1000	3
Fe	57	45	He	0.456	ppb	362.2	133.34	0.0256	Pulse	0.1000	3
Co	59	72	He	0.050	ppb	53.6	196.68	0.0199	Pulse	0.1000	3
Ni	60	115	He	0.058	ppb	141.6	276.68	0.0213	Pulse	0.1000	3
Cu	63	115	He	0.089	ppb	33.5	296.68	0.0228	Pulse	0.1000	3
Zn	66	115	He	0.852	ppb	32.1	213.34	0.0164	Pulse	0.1000	3
As	75	115	He	0.114	ppb	32.4	32.00	0.0025	Pulse	0.5000	3
Sr	88	72	He	0.024	ppb	137.7	73.33	0.0076	Pulse	0.1000	3
Mo	98	159	He	0.004	ppb	304.4	120.01	0.0021	Pulse	0.1000	3
Ag	107	72	He	0.012	ppb	86.0	63.33	0.0065	Pulse	0.1000	3
Cd	111	72	He	0.006	ppb	113.3	3.33	0.0003	Pulse	0.5000	3
Sn	120	159	He	0.136	ppb	19.7	2333.61	0.0400	Pulse	0.1000	3
Sb	121	159	He	0.018	ppb	143.4	73.33	0.0013	Pulse	0.1000	3
Ba	137	159	He	0.455	ppb	8.7	303.35	0.0052	Pulse	0.1000	3
Tl	205	159	He	0.000	ppb	166.0	163.34	0.0028	Pulse	0.1000	3
Pb	208	159	He	-0.005	ppb	N/A	300.01	0.0051	Pulse	0.1000	3
U	238	159	He	0.003	ppb	41.0	83.33	0.0014	Pulse	0.1000	3

ISTD Table:

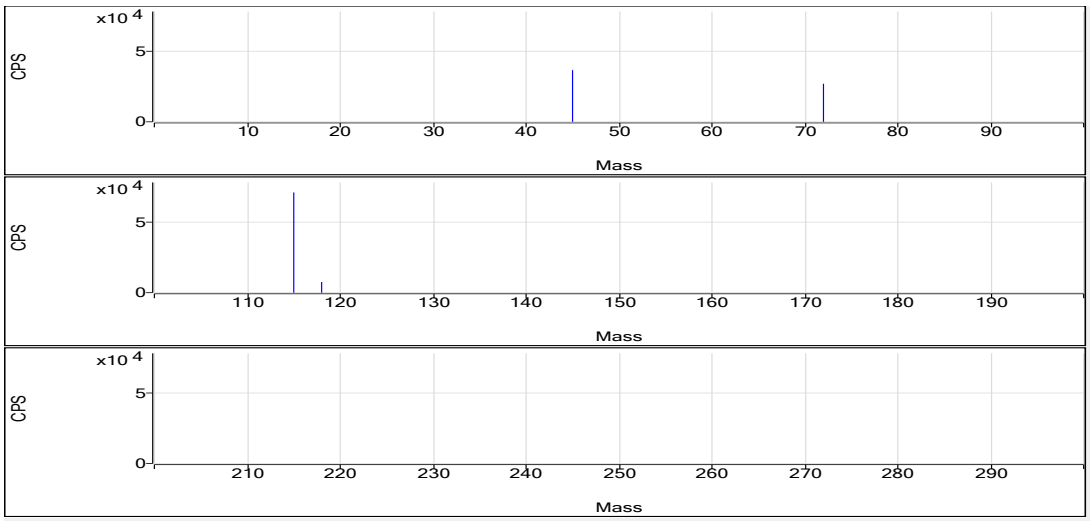
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	200474.28	0.7	109.4	Pulse	0.1000	3
No Gas	Ge	72	120770.37	1.1	107.8	Pulse	0.1000	3
H2	Sc	45	36887.61	3.1	108.8	Pulse	0.1000	3
H2	Ge	72	27196.65	2.1	105.2	Pulse	0.1000	3
H2	In	115	71541.23	1.2	111.9	Pulse	0.1000	3
He	Sc	45	5244.49	4.2	110.3	Pulse	0.1000	3
He	Ge	72	9827.03	6.3	101.0	Pulse	0.1000	3
He	In	115	12982.05	3.0	110.8	Pulse	0.1000	3
He	Tb	159	58299.95	0.9	116.9	Pulse	0.1000	3
He	Bi	209	48491.10	1.9	118.6	Pulse	0.1000	3

No Gas

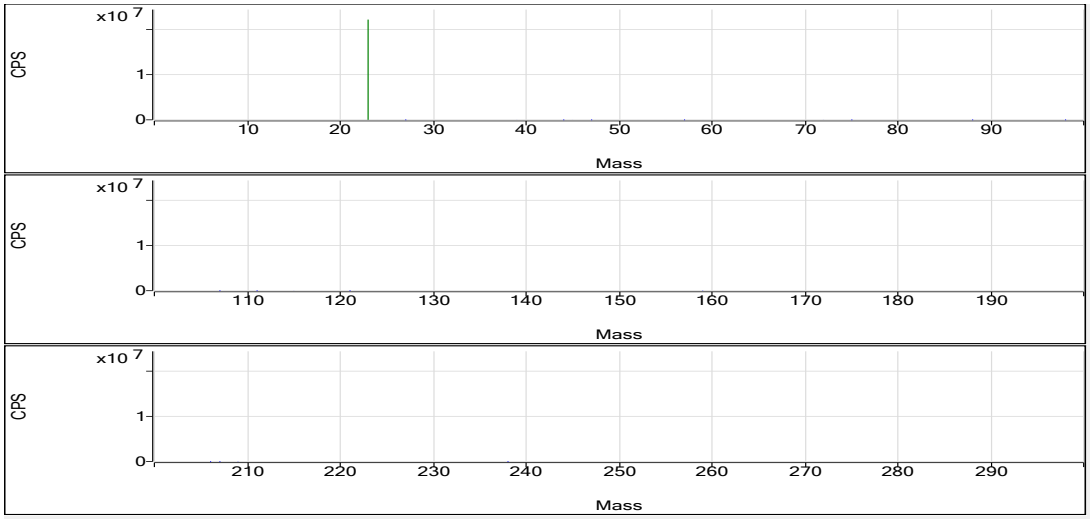


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.073	0.0004	84.00	0.0035	0.0001638
Be	9	1	No Gas	0.042	0.0003	62.00	0.0035	0.0001638
Be	9	1	No Gas	0.103	0.0005	104.00	0.0035	0.0001638
Se	78	2	H2	0.03	0.0002	5.33	0.0035	8.664E-05
Se	78	2	H2	0.017	0.0001	4.00	0.0035	8.664E-05
Se	78	2	H2	-0.003	0.0001	2.00	0.0035	8.664E-05
Na	23	3	He	189914.15	4111.7352	22496454.66	0.0216	0.8064
Na	23	3	He	197437.898	4274.5961	22360797.17	0.0216	0.8064
Na	23	3	He	201139.253	4354.7166	21909014.67	0.0216	0.8064
Mg	24	3	He	2.071	0.1279	700.04	0.0109	0.1054
Mg	24	3	He	-0.198	0.1032	540.03	0.0109	0.1054
Mg	24	3	He	-0.552	0.0994	500.02	0.0109	0.1054
Al	27	3	He	-0.977	0.0055	30.00	0.0037	0.009095
Al	27	3	He	-0.909	0.0057	30.00	0.0037	0.009095
Al	27	3	He	-0.31	0.008	40.00	0.0037	0.009095
K	39	3	He	6.193	1.3895	7602.21	0.0099	1.328
K	39	3	He	0.05	1.329	6951.91	0.0099	1.328
K	39	3	He	-5.287	1.2764	6421.59	0.0099	1.328
Ca	44	3	He	2.259	0.0054	70.00	0.0002	0.004867
Ca	44	3	He	-14.949	0.0016	20.00	0.0002	0.004867
Ca	44	3	He	5.168	0.006	80.00	0.0002	0.004867
Ti	47	3	He	0.465	0.0009	10.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	-0.039	0.034	186.00	0.1638	0.04039
V	51	3	He	-0.025	0.0363	190.00	0.1638	0.04039
V	51	3	He	-0.006	0.0394	198.00	0.1638	0.04039
Cr	52	3	He	-0.338	0.0484	510.02	0.1041	0.08357
Cr	52	3	He	-0.141	0.0688	650.04	0.1041	0.08357
Cr	52	3	He	-0.226	0.06	570.03	0.1041	0.08357
Mn	55	3	He	0.411	0.0285	300.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.309	0.0233	220.01	0.0509	0.00756
Mn	55	3	He	0.286	0.0221	210.01	0.0509	0.00756
Fe	57	3	He	-1.317	0.0183	100.00	0.0041	0.02373
Fe	57	3	He	0.734	0.0268	140.01	0.0041	0.02373
Fe	57	3	He	1.951	0.0318	160.01	0.0041	0.02373
Co	59	3	He	0.065	0.0228	240.01	0.1966	0.009981
Co	59	3	He	0.019	0.0138	130.01	0.1966	0.009981
Co	59	3	He	0.067	0.0232	220.01	0.1966	0.009981
Ni	60	3	He	0.133	0.0245	320.01	0.0432	0.01878
Ni	60	3	He	-0.029	0.0175	220.01	0.0432	0.01878
Ni	60	3	He	0.069	0.0217	290.02	0.0432	0.01878
Cu	63	3	He	0.072	0.0207	270.01	0.1222	0.01194
Cu	63	3	He	0.072	0.0207	260.01	0.1222	0.01194
Cu	63	3	He	0.123	0.027	360.02	0.1222	0.01194
Zn	66	3	He	1.167	0.0214	280.01	0.0159	0.002839
Zn	66	3	He	0.721	0.0143	180.01	0.0159	0.002839
Zn	66	3	He	0.668	0.0135	180.01	0.0159	0.002839
As	75	3	He	0.101	0.0023	30.00	0.0132	0.0009658
As	75	3	He	0.156	0.003	38.00	0.0132	0.0009658
As	75	3	He	0.086	0.0021	28.00	0.0132	0.0009658
Sr	88	3	He	-0.008	0.0047	50.00	0.0864	0.005458
Sr	88	3	He	0.023	0.0074	70.00	0.0864	0.005458
Sr	88	3	He	0.059	0.0105	100.00	0.0864	0.005458
Mo	98	3	He	0.003	0.002	120.01	0.0303	0.001942
Mo	98	3	He	-0.008	0.0017	100.00	0.0303	0.001942
Mo	98	3	He	0.016	0.0024	140.01	0.0303	0.001942
Ag	107	3	He	0.004	0.0038	40.00	0.3501	0.002425
Ag	107	3	He	0.008	0.0053	50.00	0.3501	0.002425
Ag	107	3	He	0.023	0.0105	100.00	0.3501	0.002425
Cd	111	3	He	0.011	0.0006	6.00	0.0454	6.986E-05
Cd	111	3	He	0.008	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Sn	120	3	He	0.124	0.0397	2330.28	0.0284	0.03615
Sn	120	3	He	0.167	0.0409	2390.29	0.0284	0.03615
Sn	120	3	He	0.118	0.0395	2280.27	0.0284	0.03615
Sb	121	3	He	-0.011	0.0005	30.00	0.0262	0.000803
Sb	121	3	He	0.028	0.0015	90.00	0.0262	0.000803
Sb	121	3	He	0.036	0.0017	100.00	0.0262	0.000803
Ba	137	3	He	0.428	0.0049	290.01	0.0098	0.0007342
Ba	137	3	He	0.5	0.0056	330.02	0.0098	0.0007342
Ba	137	3	He	0.437	0.005	290.01	0.0098	0.0007342
Tl	205	3	He	0	0.0027	160.01	0.1945	0.002744
Tl	205	3	He	0.001	0.0029	170.01	0.1945	0.002744
Tl	205	3	He	0	0.0028	160.01	0.1945	0.002744
Pb	208	3	He	-0.007	0.0046	170.01	0.2651	0.006358
Pb	208	3	He	-0.002	0.0058	190.01	0.2651	0.006358
Pb	208	3	He	-0.005	0.005	150.01	0.2651	0.006358
U	238	3	He	0.002	0.001	60.00	0.3022	0.0005338
U	238	3	He	0.003	0.0015	90.00	0.3022	0.0005338
U	238	3	He	0.004	0.0017	100.00	0.3022	0.0005338
Sc	45	1	No Gas			202036.48		
Sc	45	1	No Gas			200189.88		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			199196.48		
Ge	72	1	No Gas			121876.34		
Ge	72	1	No Gas			121210.77		
Ge	72	1	No Gas			119224.00		
Sc	45	2	H2			38110.72		
Sc	45	2	H2			36696.89		
Sc	45	2	H2			35855.23		
Ge	72	2	H2			27808.01		
Ge	72	2	H2			27106.38		
Ge	72	2	H2			26675.56		
In	115	2	H2			72509.71		
In	115	2	H2			70851.33		
In	115	2	H2			71262.65		
Sc	45	3	He			5471.28		
Sc	45	3	He			5231.09		
Sc	45	3	He			5031.10		
Ge	72	3	He			10544.29		
Ge	72	3	He			9443.40		
Ge	72	3	He			9493.41		
In	115	3	He			13066.63		
In	115	3	He			12565.98		
In	115	3	He			13347.00		
Tb	159	3	He			58748.49		
Tb	159	3	He			58437.27		
Tb	159	3	He			57714.08		
Bi	209	3	He			47687.82		
Bi	209	3	He			48270.66		
Bi	209	3	He			49514.82		

Quantitation Report

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Sample Type	Sample
Comment	D8
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

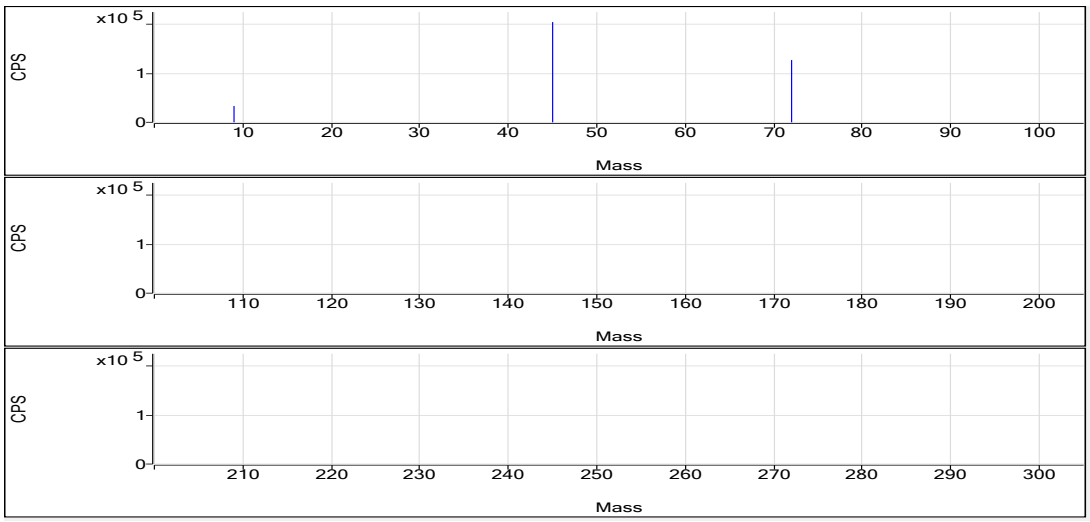
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	46.660	ppb	1.8	33281.58	0.1623	Pulse	0.5000	3
Se	78	72	H2	99.304	ppb	1.6	10376.21	0.3507	Pulse	1.5000	3
Na	23	45	He	179363.142	ppb	5.8	21596674.68	3 883.3455	Analog	0.1000	3
Mg	24	45	He	4359.236	ppb	5.4	264674.28	47.5844	Pulse	0.1000	3
Al	27	45	He	4488.320	ppb	6.2	92318.44	16.6017	Pulse	0.1000	3
K	39	45	He	4349.133	ppb	5.7	245698.47	44.1733	Pulse	0.1000	3
Ca	44	115	He	4720.524	ppb	6.1	13873.73	1.0387	Pulse	0.1000	3
Ti	47	72	He	463.522	ppb	2.8	10073.86	0.9446	Pulse	0.1000	3
V	51	45	He	443.682	ppb	5.6	404509.18	72.7284	Pulse	0.5000	3
Cr	52	72	He	450.919	ppb	1.5	501668.63	47.0347	Pulse	0.1000	3
Mn	55	72	He	447.267	ppb	1.2	242843.78	22.7675	Pulse	0.1000	3
Fe	57	45	He	4403.845	ppb	5.1	101556.21	18.2557	Pulse	0.1000	3
Co	59	72	He	451.949	ppb	1.7	948017.22	88.8850	Pulse	0.1000	3
Ni	60	115	He	442.210	ppb	1.4	255298.97	19.1033	Pulse	0.1000	3
Cu	63	115	He	453.014	ppb	1.7	739714.57	55.3527	Pulse	0.1000	3
Zn	66	115	He	467.207	ppb	2.4	99591.70	7.4527	Pulse	0.1000	3
As	75	115	He	475.616	ppb	2.3	84144.84	6.2970	Pulse	0.5000	3
Sr	88	72	He	45.450	ppb	3.6	41922.91	3.9314	Pulse	0.1000	3
Mo	98	159	He	45.121	ppb	5.2	80762.42	1.3706	Pulse	0.1000	3
Ag	107	72	He	45.365	ppb	2.1	169432.50	15.8865	Pulse	0.1000	3
Cd	111	72	He	46.602	ppb	1.2	22571.57	2.1161	Pulse	0.5000	3
Sn	120	159	He	89.718	ppb	4.7	152436.06	2.5865	Pulse	0.1000	3
Sb	121	159	He	94.585	ppb	5.1	145802.64	2.4743	Pulse	0.1000	3
Ba	137	159	He	477.298	ppb	3.4	276546.51	4.6910	Pulse	0.1000	3
Tl	205	159	He	95.390	ppb	1.1	1094453.84	18.5552	Pulse	0.1000	3
Pb	208	159	He	48.401	ppb	0.9	757352.14	12.8391	Pulse	0.1000	3
U	238	159	He	50.136	ppb	1.0	893636.81	15.1499	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	205054.28	1.1	111.9	Pulse	0.1000	3
No Gas	Ge	72	127354.07	1.2	113.7	Pulse	0.1000	3
H2	Sc	45	39233.79	0.8	115.7	Pulse	0.1000	3
H2	Ge	72	29595.02	1.9	114.4	Pulse	0.1000	3
H2	In	115	77640.07	0.2	121.4	Pulse	0.1000	3
He	Sc	45	5574.59	6.2	117.3	Pulse	0.1000	3
He	Ge	72	10667.60	1.6	109.6	Pulse	0.1000	3
He	In	115	13366.46	1.9	114.1	Pulse	0.1000	3
He	Tb	159	58999.93	3.6	118.3	Pulse	0.1000	3
He	Bi	209	48219.78	3.6	117.9	Pulse	0.1000	3

No Gas



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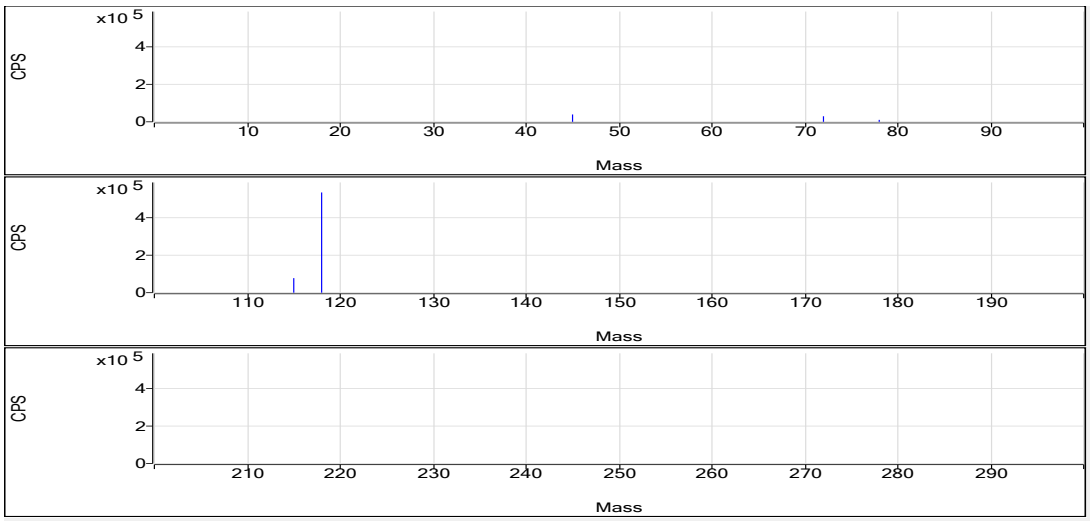
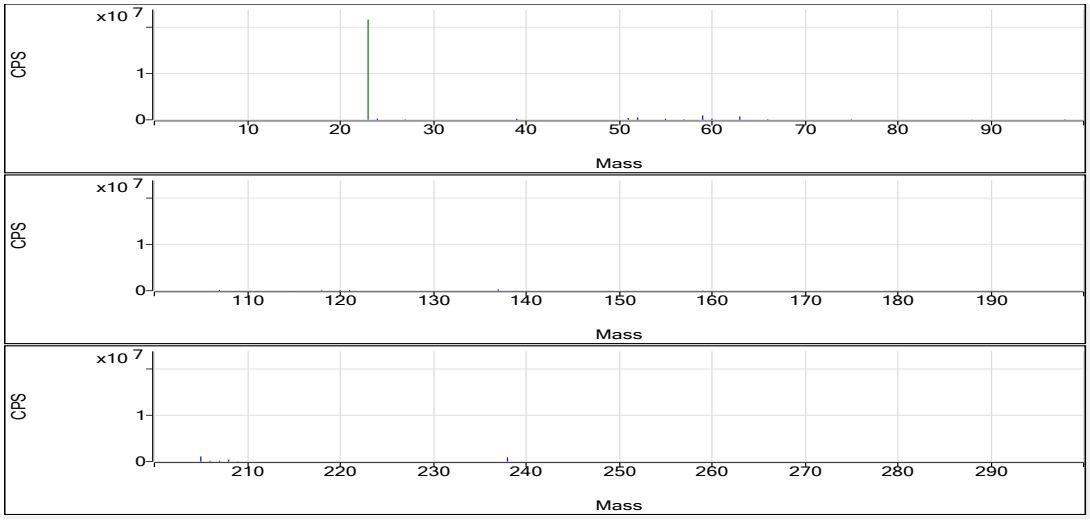


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	45.986	0.16	33060.46	0.0035	0.0001638
Be	9	1	No Gas	47.612	0.1656	33541.48	0.0035	0.0001638
Be	9	1	No Gas	46.383	0.1614	33242.79	0.0035	0.0001638
Se	78	2	H2	99.423	0.3511	10393.10	0.0035	8.664E-05
Se	78	2	H2	97.668	0.3449	10399.79	0.0035	8.664E-05
Se	78	2	H2	100.821	0.356	10335.74	0.0035	8.664E-05
Na	23	3	He	167984.669	3637.0442	21609134.68	0.0216	0.8064
Na	23	3	He	181742.047	3934.8399	21725077.18	0.0216	0.8064
Na	23	3	He	188362.71	4078.1524	21455812.18	0.0216	0.8064
Mg	24	3	He	4105.476	44.8205	266296.56	0.0109	0.1054
Mg	24	3	He	4399.155	48.0191	265123.75	0.0109	0.1054
Mg	24	3	He	4573.077	49.9134	262602.52	0.0109	0.1054
Al	27	3	He	4171.774	15.4315	91684.81	0.0037	0.009095
Al	27	3	He	4600.313	17.0158	93947.59	0.0037	0.009095
Al	27	3	He	4692.874	17.3579	91322.92	0.0037	0.009095
K	39	3	He	4110.807	41.8255	248501.95	0.0099	1.328
K	39	3	He	4328.848	43.9735	242786.87	0.0099	1.328
K	39	3	He	4607.743	46.721	245806.58	0.0099	1.328
Ca	44	3	He	5049.501	1.1108	14537.72	0.0002	0.004867
Ca	44	3	He	4576.071	1.0071	13536.68	0.0002	0.004867
Ca	44	3	He	4536	0.9983	13546.78	0.0002	0.004867
Ti	47	3	He	448.665	0.9143	9933.77	0.002	0
Ti	47	3	He	471.251	0.9604	10183.97	0.002	0
Ti	47	3	He	470.652	0.9591	10103.84	0.002	0
V	51	3	He	418.248	68.5615	407351.25	0.1638	0.04039
V	51	3	He	445.298	72.9931	403010.19	0.1638	0.04039
V	51	3	He	467.501	76.6306	403166.09	0.1638	0.04039
Cr	52	3	He	443.729	46.2861	502870.66	0.1041	0.08357
Cr	52	3	He	452.368	47.1856	500367.10	0.1041	0.08357
Cr	52	3	He	456.659	47.6324	501768.12	0.1041	0.08357
Mn	55	3	He	441.01	22.4491	243896.27	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	450.785	22.9465	243330.45	0.0509	0.00756
Mn	55	3	He	450.005	22.9068	241304.63	0.0509	0.00756
Fe	57	3	He	4151.281	17.2101	102251.99	0.0041	0.02373
Fe	57	3	He	4474.2	18.547	102401.72	0.0041	0.02373
Fe	57	3	He	4586.055	19.0101	100014.92	0.0041	0.02373
Co	59	3	He	443.865	87.2953	948411.86	0.1966	0.009981
Co	59	3	He	452.423	88.9783	943545.92	0.1966	0.009981
Co	59	3	He	459.559	90.3815	952093.89	0.1966	0.009981
Ni	60	3	He	449.52	19.4188	254153.34	0.0432	0.01878
Ni	60	3	He	438.78	18.9553	254788.10	0.0432	0.01878
Ni	60	3	He	438.329	18.9358	256955.48	0.0432	0.01878
Cu	63	3	He	461.935	56.4425	738721.71	0.1222	0.01194
Cu	63	3	He	449.344	54.9045	738000.69	0.1222	0.01194
Cu	63	3	He	447.762	54.7112	742421.32	0.1222	0.01194
Zn	66	3	He	479.221	7.6442	100047.95	0.0159	0.002839
Zn	66	3	He	457.593	7.2994	98114.72	0.0159	0.002839
Zn	66	3	He	464.809	7.4144	100612.43	0.0159	0.002839
As	75	3	He	488.294	6.4648	84612.15	0.0132	0.0009658
As	75	3	He	470.759	6.2327	83777.45	0.0132	0.0009658
As	75	3	He	467.797	6.1935	84044.91	0.0132	0.0009658
Sr	88	3	He	43.563	3.7683	40940.51	0.0864	0.005458
Sr	88	3	He	46.647	4.0347	42785.11	0.0864	0.005458
Sr	88	3	He	46.142	3.9911	42043.10	0.0864	0.005458
Mo	98	3	He	47.569	1.4448	81848.12	0.0303	0.001942
Mo	98	3	He	44.863	1.3627	81084.38	0.0303	0.001942
Mo	98	3	He	42.931	1.3041	79354.75	0.0303	0.001942
Ag	107	3	He	44.349	15.5307	168732.34	0.3501	0.002425
Ag	107	3	He	45.472	15.9239	168860.72	0.3501	0.002425
Ag	107	3	He	46.274	16.2048	170704.43	0.3501	0.002425
Cd	111	3	He	46.164	2.0963	22774.54	0.0454	6.986E-05
Cd	111	3	He	46.39	2.1065	22337.88	0.0454	6.986E-05
Cd	111	3	He	47.251	2.1456	22602.28	0.0454	6.986E-05
Sn	120	3	He	93.959	2.7071	153354.00	0.0284	0.03615
Sn	120	3	He	89.609	2.5834	153716.28	0.0284	0.03615
Sn	120	3	He	85.586	2.469	150237.91	0.0284	0.03615
Sb	121	3	He	99.863	2.6123	147983.90	0.0262	0.000803
Sb	121	3	He	93.336	2.4416	145277.46	0.0262	0.000803
Sb	121	3	He	90.557	2.3689	144146.57	0.0262	0.000803
Ba	137	3	He	495.511	4.87	275882.75	0.0098	0.0007342
Ba	137	3	He	471.204	4.6311	275558.78	0.0098	0.0007342
Ba	137	3	He	465.18	4.5719	278198.00	0.0098	0.0007342
Tl	205	3	He	96.621	18.7947	1064712.56	0.1945	0.002744
Tl	205	3	He	95.006	18.4807	1099625.53	0.1945	0.002744
Tl	205	3	He	94.541	18.3902	1119023.42	0.1945	0.002744
Pb	208	3	He	48.882	12.9667	392550.07	0.2651	0.006358
Pb	208	3	He	48.169	12.7777	406796.83	0.2651	0.006358
Pb	208	3	He	48.15	12.7727	416825.97	0.2651	0.006358
U	238	3	He	50.674	15.3125	867447.49	0.3022	0.0005338
U	238	3	He	49.996	15.1077	898930.69	0.3022	0.0005338
U	238	3	He	49.737	15.0296	914532.25	0.3022	0.0005338
Sc	45	1	No Gas			206650.58		
Sc	45	1	No Gas			202501.36		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			206010.91		
Ge	72	1	No Gas			126809.23		
Ge	72	1	No Gas			126153.88		
Ge	72	1	No Gas			129099.10		
Sc	45	2	H2			39153.40		
Sc	45	2	H2			39564.63		
Sc	45	2	H2			38983.34		
Ge	72	2	H2			29601.80		
Ge	72	2	H2			30153.04		
Ge	72	2	H2			29030.21		
In	115	2	H2			77767.44		
In	115	2	H2			77717.21		
In	115	2	H2			77435.56		
Sc	45	3	He			5941.40		
Sc	45	3	He			5521.21		
Sc	45	3	He			5261.16		
Ge	72	3	He			10864.41		
Ge	72	3	He			10604.23		
Ge	72	3	He			10534.17		
In	115	3	He			13897.49		
In	115	3	He			14267.73		
In	115	3	He			14387.93		
Tb	159	3	He			56649.49		
Tb	159	3	He			59501.35		
Tb	159	3	He			60848.94		
Bi	209	3	He			46202.60		
Bi	209	3	He			49263.27		
Bi	209	3	He			49193.48		

Quantitation Report

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Acq Time	6/12/2025 7:01:49 PM
Sample Name	410-225660-E-1-N
Sample Type	Sample
Comment	D8
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

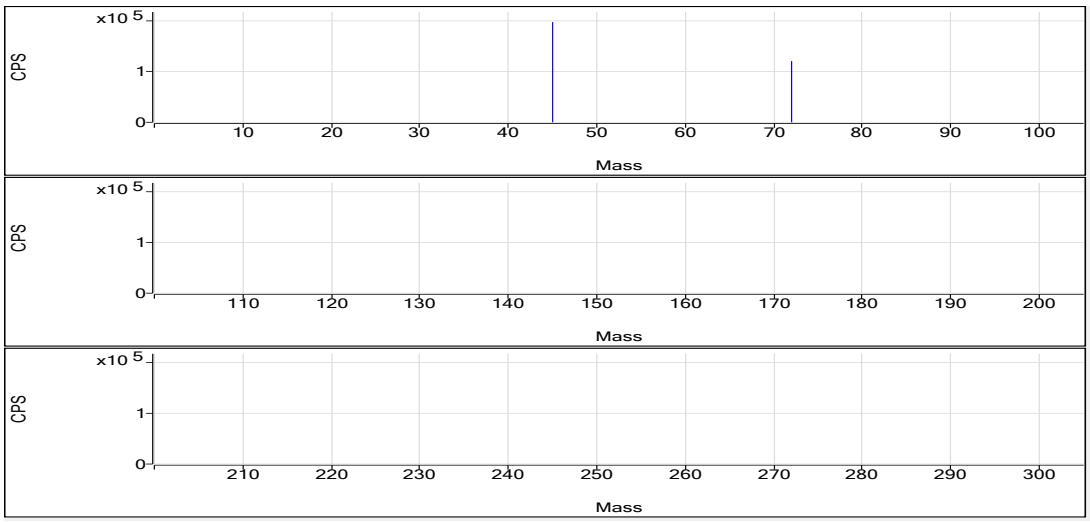
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.102	ppb	16.5	102.00	0.0005	Pulse	0.5000	3
Se	78	72	H2	0.332	ppb	8.7	35.11	0.0013	Pulse	1.5000	3
Na	23	45	He	116939.549	ppb	1.1	13522941.88	2 532.1089	Analog	0.1000	3
Mg	24	45	He	632.644	ppb	1.4	37361.29	6.9959	Pulse	0.1000	3
Al	27	45	He	13.628	ppb	37.6	316.68	0.0595	Pulse	0.1000	3
K	39	45	He	314.041	ppb	2.2	23619.74	4.4222	Pulse	0.1000	3
Ca	44	115	He	4071.500	ppb	10.1	11638.40	0.8966	Pulse	0.1000	3
Ti	47	72	He	0.664	ppb	43.0	13.33	0.0014	Pulse	0.1000	3
V	51	45	He	0.128	ppb	30.9	328.01	0.0614	Pulse	0.5000	3
Cr	52	72	He	-0.015	ppb	N/A	806.72	0.0820	Pulse	0.1000	3
Mn	55	72	He	51.353	ppb	6.5	25790.47	2.6207	Pulse	0.1000	3
Fe	57	45	He	3.890	ppb	75.2	213.34	0.0398	Pulse	0.1000	3
Co	59	72	He	0.363	ppb	9.2	800.06	0.0814	Pulse	0.1000	3
Ni	60	115	He	1.944	ppb	6.0	1336.78	0.1027	Pulse	0.1000	3
Cu	63	115	He	6.017	ppb	3.6	9716.92	0.7470	Pulse	0.1000	3
Zn	66	115	He	48.511	ppb	6.9	10087.25	0.7764	Pulse	0.1000	3
As	75	115	He	0.407	ppb	4.5	82.67	0.0064	Pulse	0.5000	3
Sr	88	72	He	21.336	ppb	6.4	18192.32	1.8484	Pulse	0.1000	3
Mo	98	159	He	0.250	ppb	20.0	550.03	0.0095	Pulse	0.1000	3
Ag	107	72	He	0.016	ppb	26.5	80.00	0.0082	Pulse	0.1000	3
Cd	111	72	He	0.844	ppb	3.3	378.68	0.0384	Pulse	0.5000	3
Sn	120	159	He	0.393	ppb	52.0	2727.04	0.0473	Pulse	0.1000	3
Sb	121	159	He	0.341	ppb	11.1	560.03	0.0097	Pulse	0.1000	3
Ba	137	159	He	6.282	ppb	8.3	3600.61	0.0625	Pulse	0.1000	3
Tl	205	159	He	0.046	ppb	22.8	676.71	0.0117	Pulse	0.1000	3
Pb	208	159	He	21.054	ppb	1.9	322479.38	5.5886	Pulse	0.1000	3
U	238	159	He	0.127	ppb	13.2	2250.29	0.0389	Pulse	0.1000	3

ISTD Table:

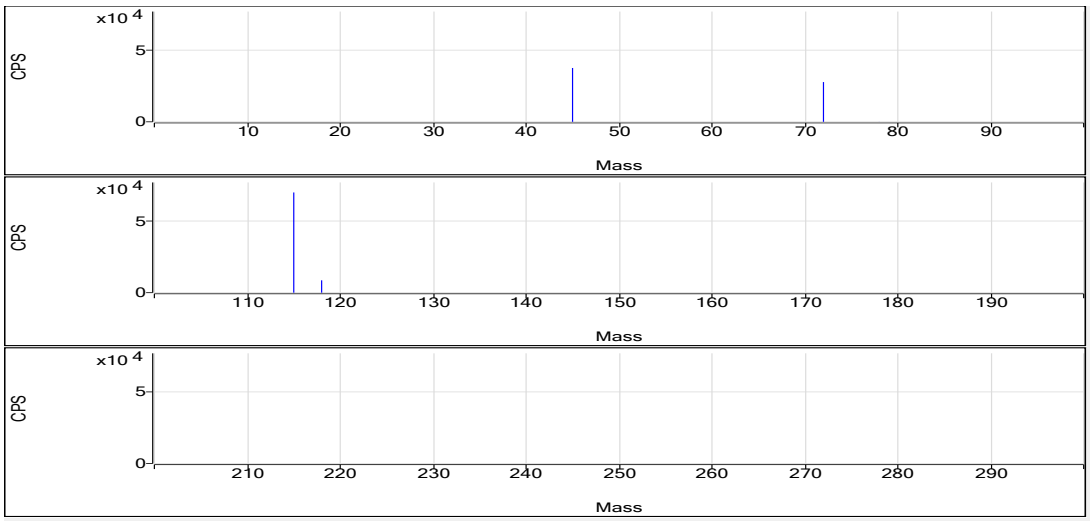
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	196721.08	1.7	107.3	Pulse	0.1000	3
No Gas	Ge	72	120169.48	2.7	107.3	Pulse	0.1000	3
H2	Sc	45	37796.53	1.4	111.4	Pulse	0.1000	3
H2	Ge	72	27908.03	2.8	107.9	Pulse	0.1000	3
H2	In	115	70378.83	0.7	110.1	Pulse	0.1000	3
He	Sc	45	5341.18	1.5	112.3	Pulse	0.1000	3
He	Ge	72	9867.13	6.2	101.4	Pulse	0.1000	3
He	In	115	13016.77	4.1	111.1	Pulse	0.1000	3
He	Tb	159	57703.99	2.0	115.7	Pulse	0.1000	3
He	Bi	209	48711.56	1.7	119.1	Pulse	0.1000	3

No Gas

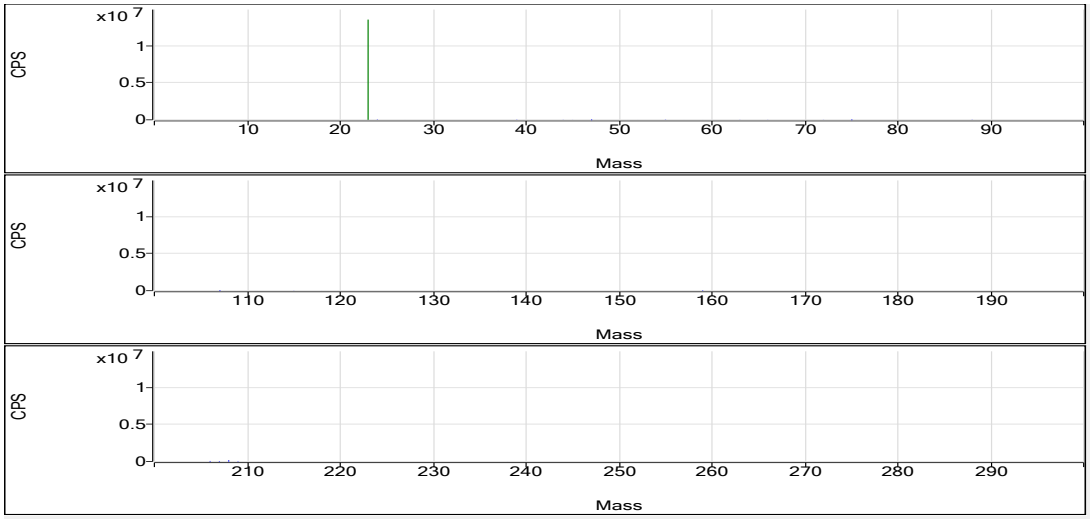


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.117	0.0006	114.00	0.0035	0.0001638
Be	9	1	No Gas	0.104	0.0005	104.00	0.0035	0.0001638
Be	9	1	No Gas	0.084	0.0005	88.00	0.0035	0.0001638
Se	78	2	H2	0.365	0.0014	37.33	0.0035	8.664E-05
Se	78	2	H2	0.321	0.0012	34.00	0.0035	8.664E-05
Se	78	2	H2	0.311	0.0012	34.00	0.0035	8.664E-05
Na	23	3	He	115468.789	2500.2725	13579404.80	0.0216	0.8064
Na	23	3	He	117288.699	2539.6667	13488652.30	0.0216	0.8064
Na	23	3	He	118061.16	2556.3876	13500768.55	0.0216	0.8064
Mg	24	3	He	623.047	6.8914	37428.16	0.0109	0.1054
Mg	24	3	He	634.742	7.0187	37277.87	0.0109	0.1054
Mg	24	3	He	640.141	7.0775	37377.84	0.0109	0.1054
Al	27	3	He	7.999	0.0387	210.01	0.0037	0.009095
Al	27	3	He	14.857	0.064	340.01	0.0037	0.009095
Al	27	3	He	18.029	0.0757	400.02	0.0037	0.009095
K	39	3	He	315.59	4.4375	24100.57	0.0099	1.328
K	39	3	He	306.427	4.3472	23088.74	0.0099	1.328
K	39	3	He	320.104	4.4819	23669.91	0.0099	1.328
Ca	44	3	He	4530.908	0.9972	12385.59	0.0002	0.004867
Ca	44	3	He	3744.558	0.825	11104.67	0.0002	0.004867
Ca	44	3	He	3939.035	0.8676	11424.94	0.0002	0.004867
Ti	47	3	He	0.531	0.0011	10.00	0.002	0
Ti	47	3	He	0.469	0.001	10.00	0.002	0
Ti	47	3	He	0.992	0.002	20.00	0.002	0
V	51	3	He	0.109	0.0582	316.01	0.1638	0.04039
V	51	3	He	0.174	0.0689	366.01	0.1638	0.04039
V	51	3	He	0.103	0.0572	302.01	0.1638	0.04039
Cr	52	3	He	0.101	0.0941	870.06	0.1041	0.08357
Cr	52	3	He	-0.004	0.0831	870.06	0.1041	0.08357
Cr	52	3	He	-0.142	0.0687	680.03	0.1041	0.08357
Mn	55	3	He	54.668	2.7895	25783.97	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	48.028	2.4516	25653.50	0.0509	0.00756
Mn	55	3	He	51.362	2.6212	25933.95	0.0509	0.00756
Fe	57	3	He	7.167	0.0534	290.01	0.0041	0.02373
Fe	57	3	He	1.546	0.0301	160.01	0.0041	0.02373
Fe	57	3	He	2.959	0.036	190.01	0.0041	0.02373
Co	59	3	He	0.395	0.0876	810.06	0.1966	0.009981
Co	59	3	He	0.328	0.0745	780.05	0.1966	0.009981
Co	59	3	He	0.366	0.0819	810.06	0.1966	0.009981
Ni	60	3	He	1.972	0.1039	1290.10	0.0432	0.01878
Ni	60	3	He	2.044	0.107	1440.14	0.0432	0.01878
Ni	60	3	He	1.817	0.0972	1280.10	0.0432	0.01878
Cu	63	3	He	6.152	0.7635	9483.42	0.1222	0.01194
Cu	63	3	He	5.767	0.7164	9643.54	0.1222	0.01194
Cu	63	3	He	6.133	0.7612	10023.79	0.1222	0.01194
Zn	66	3	He	51.9	0.8304	10314.07	0.0159	0.002839
Zn	66	3	He	45.218	0.7239	9743.69	0.0159	0.002839
Zn	66	3	He	48.415	0.7748	10203.98	0.0159	0.002839
As	75	3	He	0.414	0.0064	80.00	0.0132	0.0009658
As	75	3	He	0.421	0.0065	88.00	0.0132	0.0009658
As	75	3	He	0.386	0.0061	80.00	0.0132	0.0009658
Sr	88	3	He	22.471	1.9465	17992.12	0.0864	0.005458
Sr	88	3	He	19.831	1.7184	17982.06	0.0864	0.005458
Sr	88	3	He	21.704	1.8802	18602.79	0.0864	0.005458
Mo	98	3	He	0.2	0.008	460.02	0.0303	0.001942
Mo	98	3	He	0.25	0.0095	540.03	0.0303	0.001942
Mo	98	3	He	0.3	0.011	650.04	0.0303	0.001942
Ag	107	3	He	0.021	0.0097	90.00	0.3501	0.002425
Ag	107	3	He	0.012	0.0067	70.00	0.3501	0.002425
Ag	107	3	He	0.016	0.0081	80.00	0.3501	0.002425
Cd	111	3	He	0.828	0.0376	348.01	0.0454	6.986E-05
Cd	111	3	He	0.828	0.0377	394.01	0.0454	6.986E-05
Cd	111	3	He	0.875	0.0398	394.01	0.0454	6.986E-05
Sn	120	3	He	0.282	0.0442	2540.33	0.0284	0.03615
Sn	120	3	He	0.629	0.054	3060.44	0.0284	0.03615
Sn	120	3	He	0.269	0.0438	2580.34	0.0284	0.03615
Sb	121	3	He	0.375	0.0106	610.03	0.0262	0.000803
Sb	121	3	He	0.347	0.0099	560.03	0.0262	0.000803
Sb	121	3	He	0.3	0.0087	510.02	0.0262	0.000803
Ba	137	3	He	6.276	0.0624	3590.63	0.0098	0.0007342
Ba	137	3	He	6.807	0.0676	3830.66	0.0098	0.0007342
Ba	137	3	He	5.763	0.0574	3380.53	0.0098	0.0007342
Tl	205	3	He	0.04	0.0106	610.04	0.1945	0.002744
Tl	205	3	He	0.059	0.0141	800.06	0.1945	0.002744
Tl	205	3	He	0.04	0.0105	620.04	0.1945	0.002744
Pb	208	3	He	20.591	5.4658	167622.46	0.2651	0.006358
Pb	208	3	He	21.367	5.6714	171469.04	0.2651	0.006358
Pb	208	3	He	21.205	5.6286	174195.37	0.2651	0.006358
U	238	3	He	0.114	0.0349	2010.24	0.3022	0.0005338
U	238	3	He	0.122	0.0373	2110.24	0.3022	0.0005338
U	238	3	He	0.146	0.0446	2630.39	0.3022	0.0005338
Sc	45	1	No Gas			199370.93		
Sc	45	1	No Gas			197798.28		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			192994.04		
Ge	72	1	No Gas			123601.66		
Ge	72	1	No Gas			119839.62		
Ge	72	1	No Gas			117067.16		
Sc	45	2	H2			38351.21		
Sc	45	2	H2			37288.49		
Sc	45	2	H2			37749.89		
Ge	72	2	H2			27126.38		
Ge	72	2	H2			27908.10		
Ge	72	2	H2			28689.60		
In	115	2	H2			70237.84		
In	115	2	H2			70942.27		
In	115	2	H2			69956.39		
Sc	45	3	He			5431.17		
Sc	45	3	He			5311.19		
Sc	45	3	He			5281.19		
Ge	72	3	He			9243.36		
Ge	72	3	He			10464.14		
Ge	72	3	He			9893.88		
In	115	3	He			12435.90		
In	115	3	He			13476.97		
In	115	3	He			13186.60		
Tb	159	3	He			57532.98		
Tb	159	3	He			56649.41		
Tb	159	3	He			58929.59		
Bi	209	3	He			47758.33		
Bi	209	3	He			49394.02		
Bi	209	3	He			48982.34		

Quantitation Report

Data File Name	083SMPL.d
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Sample Type	Sample
Comment	D8
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

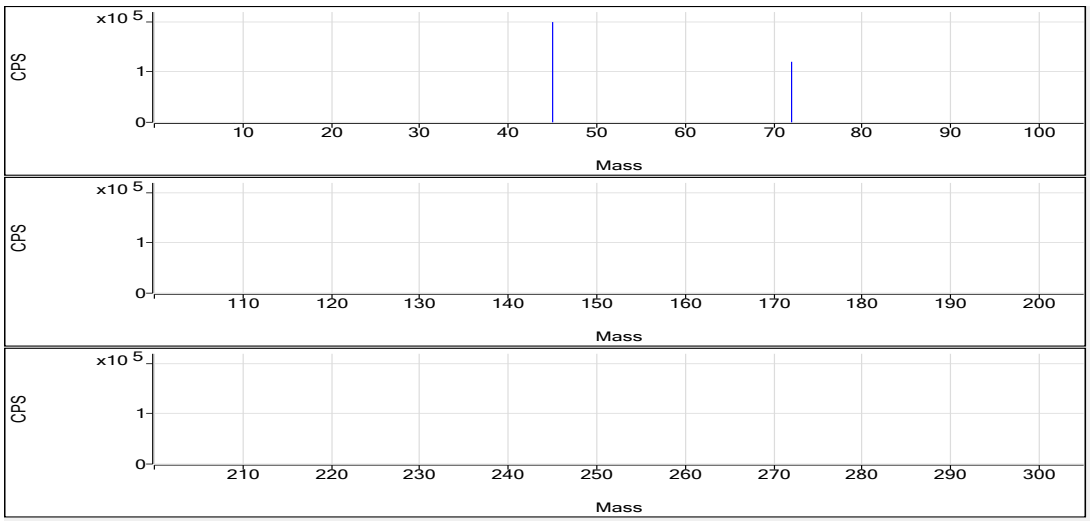
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.066	ppb	24.5	78.00	0.0004	Pulse	0.5000	3
Se	78	72	H2	0.074	ppb	19.1	9.78	0.0003	Pulse	1.5000	3
Na	23	45	He	110974.681	ppb	1.3	13106059.39	2 402.9919	Analog	0.1000	3
Mg	24	45	He	592.376	ppb	1.4	35764.15	6.5573	Pulse	0.1000	3
Al	27	45	He	13.932	ppb	18.1	330.01	0.0606	Pulse	0.1000	3
K	39	45	He	302.373	ppb	1.5	23492.82	4.3072	Pulse	0.1000	3
Ca	44	115	He	3957.326	ppb	5.9	11384.83	0.8716	Pulse	0.1000	3
Ti	47	72	He	0.339	ppb	86.6	6.67	0.0007	Pulse	0.1000	3
V	51	45	He	-0.007	ppb	N/A	213.33	0.0392	Pulse	0.5000	3
Cr	52	72	He	-0.268	ppb	N/A	553.37	0.0557	Pulse	0.1000	3
Mn	55	72	He	49.605	ppb	8.3	25192.65	2.5318	Pulse	0.1000	3
Fe	57	45	He	-0.718	ppb	N/A	113.34	0.0208	Pulse	0.1000	3
Co	59	72	He	0.232	ppb	13.1	553.36	0.0555	Pulse	0.1000	3
Ni	60	115	He	1.768	ppb	3.1	1243.43	0.0951	Pulse	0.1000	3
Cu	63	115	He	5.615	ppb	1.5	9126.51	0.6979	Pulse	0.1000	3
Zn	66	115	He	43.307	ppb	5.9	9053.18	0.6934	Pulse	0.1000	3
As	75	115	He	0.158	ppb	30.9	40.00	0.0031	Pulse	0.5000	3
Sr	88	72	He	20.226	ppb	7.4	17441.27	1.7525	Pulse	0.1000	3
Mo	98	159	He	0.036	ppb	54.4	176.68	0.0030	Pulse	0.1000	3
Ag	107	72	He	0.006	ppb	20.5	46.67	0.0047	Pulse	0.1000	3
Cd	111	72	He	0.842	ppb	7.6	381.34	0.0383	Pulse	0.5000	3
Sn	120	159	He	0.125	ppb	41.3	2316.95	0.0397	Pulse	0.1000	3
Sb	121	159	He	0.210	ppb	15.9	366.68	0.0063	Pulse	0.1000	3
Ba	137	159	He	6.077	ppb	0.7	3527.24	0.0605	Pulse	0.1000	3
Tl	205	159	He	0.010	ppb	30.2	276.68	0.0047	Pulse	0.1000	3
Pb	208	159	He	20.108	ppb	1.4	311416.65	5.3377	Pulse	0.1000	3
U	238	159	He	0.093	ppb	6.1	1663.50	0.0285	Pulse	0.1000	3

ISTD Table:

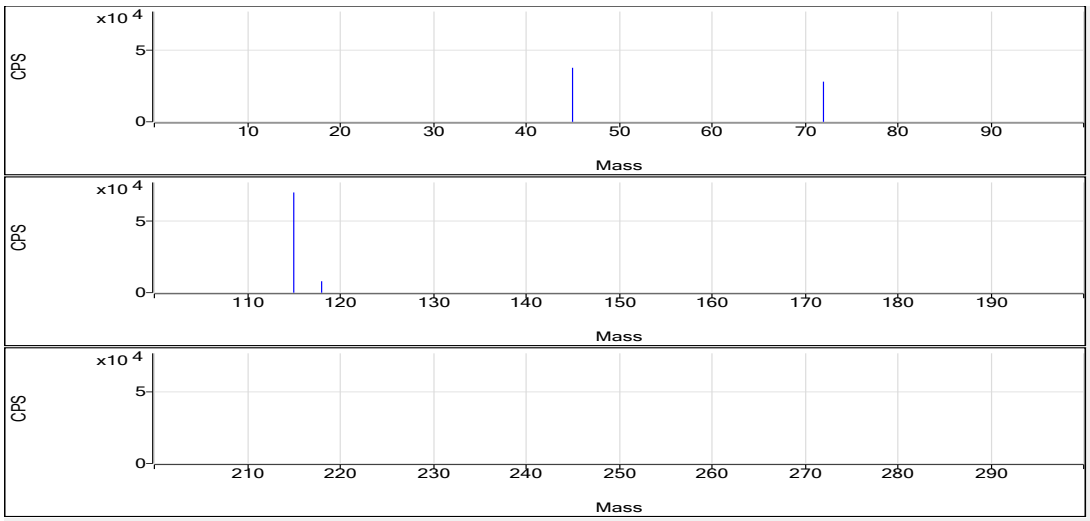
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	198791.74	1.9	108.5	Pulse	0.1000	3
No Gas	Ge	72	120030.40	1.1	107.2	Pulse	0.1000	3
H2	Sc	45	37813.27	2.4	111.5	Pulse	0.1000	3
H2	Ge	72	28105.16	0.2	108.7	Pulse	0.1000	3
H2	In	115	70137.74	1.1	109.7	Pulse	0.1000	3
He	Sc	45	5454.55	1.6	114.7	Pulse	0.1000	3
He	Ge	72	9980.51	6.0	102.6	Pulse	0.1000	3
He	In	115	13073.57	3.7	111.6	Pulse	0.1000	3
He	Tb	159	58350.09	1.9	117.0	Pulse	0.1000	3
He	Bi	209	48299.73	0.9	118.1	Pulse	0.1000	3

No Gas

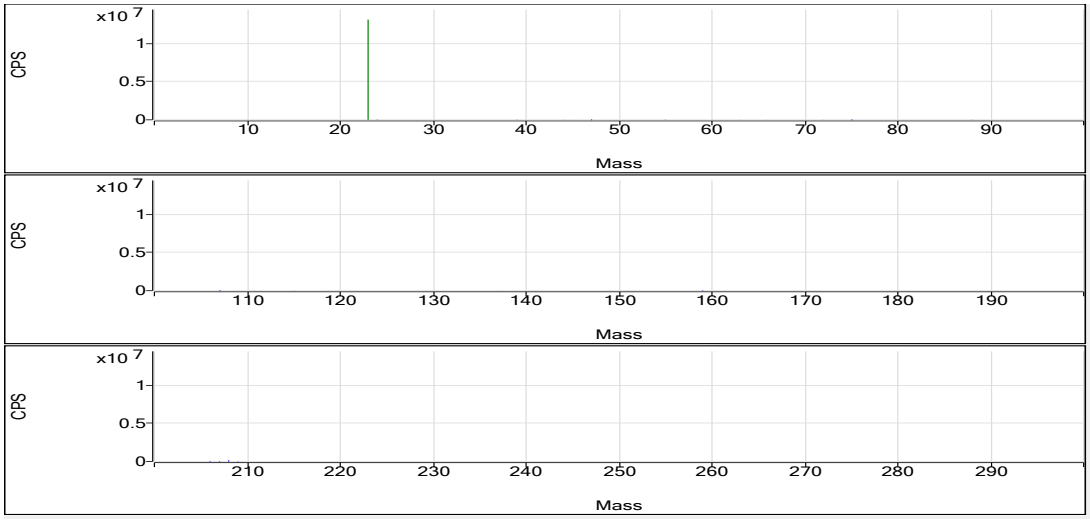


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.047	0.0003	64.00	0.0035	0.0001638
Be	9	1	No Gas	0.078	0.0004	88.00	0.0035	0.0001638
Be	9	1	No Gas	0.071	0.0004	82.00	0.0035	0.0001638
Se	78	2	H2	0.069	0.0003	9.33	0.0035	8.664E-05
Se	78	2	H2	0.09	0.0004	11.33	0.0035	8.664E-05
Se	78	2	H2	0.063	0.0003	8.67	0.0035	8.664E-05
Na	23	3	He	112312.138	2431.9428	13257031.05	0.0216	0.8064
Na	23	3	He	109389.918	2368.6877	13125419.80	0.0216	0.8064
Na	23	3	He	111221.985	2408.3451	12935727.31	0.0216	0.8064
Mg	24	3	He	600.464	6.6454	36225.47	0.0109	0.1054
Mg	24	3	He	583.739	6.4632	35814.20	0.0109	0.1054
Mg	24	3	He	592.925	6.5633	35252.79	0.0109	0.1054
Al	27	3	He	14.412	0.0624	340.01	0.0037	0.009095
Al	27	3	He	11.209	0.0505	280.01	0.0037	0.009095
Al	27	3	He	16.174	0.0689	370.02	0.0037	0.009095
K	39	3	He	306.841	4.3513	23719.67	0.0099	1.328
K	39	3	He	298.019	4.2644	23629.73	0.0099	1.328
K	39	3	He	302.258	4.3061	23129.05	0.0099	1.328
Ca	44	3	He	3734.374	0.8227	11184.60	0.0002	0.004867
Ca	44	3	He	4199.342	0.9246	11995.40	0.0002	0.004867
Ca	44	3	He	3938.263	0.8674	10974.49	0.0002	0.004867
Ti	47	3	He	0.503	0.001	10.00	0.002	0
Ti	47	3	He	0.515	0.0011	10.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	0.018	0.0433	236.00	0.1638	0.04039
V	51	3	He	-0.059	0.0307	170.00	0.1638	0.04039
V	51	3	He	0.019	0.0436	234.00	0.1638	0.04039
Cr	52	3	He	-0.212	0.0615	600.03	0.1041	0.08357
Cr	52	3	He	-0.258	0.0567	540.04	0.1041	0.08357
Cr	52	3	He	-0.334	0.0488	520.03	0.1041	0.08357
Mn	55	3	He	52.735	2.6911	26274.56	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	51.112	2.6085	24842.05	0.0509	0.00756
Mn	55	3	He	44.969	2.2959	24461.35	0.0509	0.00756
Fe	57	3	He	0.029	0.0238	130.01	0.0041	0.02373
Fe	57	3	He	-0.5	0.0217	120.01	0.0041	0.02373
Fe	57	3	He	-1.684	0.0168	90.00	0.0041	0.02373
Co	59	3	He	0.204	0.0502	490.02	0.1966	0.009981
Co	59	3	He	0.264	0.062	590.03	0.1966	0.009981
Co	59	3	He	0.226	0.0544	580.04	0.1966	0.009981
Ni	60	3	He	1.815	0.0971	1320.11	0.0432	0.01878
Ni	60	3	He	1.708	0.0925	1200.10	0.0432	0.01878
Ni	60	3	He	1.781	0.0956	1210.09	0.0432	0.01878
Cu	63	3	He	5.661	0.7035	9563.53	0.1222	0.01194
Cu	63	3	He	5.665	0.704	9133.14	0.1222	0.01194
Cu	63	3	He	5.52	0.6863	8682.87	0.1222	0.01194
Zn	66	3	He	41.217	0.6601	8973.13	0.0159	0.002839
Zn	66	3	He	42.519	0.6808	8833.12	0.0159	0.002839
Zn	66	3	He	46.183	0.7393	9353.28	0.0159	0.002839
As	75	3	He	0.183	0.0034	46.00	0.0132	0.0009658
As	75	3	He	0.102	0.0023	30.00	0.0132	0.0009658
As	75	3	He	0.19	0.0035	44.00	0.0132	0.0009658
Sr	88	3	He	21.14	1.8315	17882.02	0.0864	0.005458
Sr	88	3	He	21.041	1.823	17361.03	0.0864	0.005458
Sr	88	3	He	18.497	1.6032	17080.76	0.0864	0.005458
Mo	98	3	He	0.022	0.0026	150.01	0.0303	0.001942
Mo	98	3	He	0.027	0.0028	160.01	0.0303	0.001942
Mo	98	3	He	0.058	0.0037	220.01	0.0303	0.001942
Ag	107	3	He	0.008	0.0051	50.00	0.3501	0.002425
Ag	107	3	He	0.005	0.0042	40.00	0.3501	0.002425
Ag	107	3	He	0.006	0.0047	50.00	0.3501	0.002425
Cd	111	3	He	0.91	0.0414	404.01	0.0454	6.986E-05
Cd	111	3	He	0.831	0.0378	360.01	0.0454	6.986E-05
Cd	111	3	He	0.784	0.0357	380.01	0.0454	6.986E-05
Sn	120	3	He	0.068	0.0381	2190.26	0.0284	0.03615
Sn	120	3	He	0.137	0.04	2320.27	0.0284	0.03615
Sn	120	3	He	0.169	0.041	2440.31	0.0284	0.03615
Sb	121	3	He	0.202	0.0061	350.02	0.0262	0.000803
Sb	121	3	He	0.246	0.0072	420.02	0.0262	0.000803
Sb	121	3	He	0.181	0.0055	330.01	0.0262	0.000803
Ba	137	3	He	6.119	0.0609	3500.55	0.0098	0.0007342
Ba	137	3	He	6.073	0.0604	3500.56	0.0098	0.0007342
Ba	137	3	He	6.04	0.0601	3580.61	0.0098	0.0007342
Tl	205	3	He	0.007	0.0042	240.01	0.1945	0.002744
Tl	205	3	He	0.01	0.0047	270.01	0.1945	0.002744
Tl	205	3	He	0.014	0.0054	320.02	0.1945	0.002744
Pb	208	3	He	20.118	5.3403	161972.20	0.2651	0.006358
Pb	208	3	He	20.378	5.4093	167036.40	0.2651	0.006358
Pb	208	3	He	19.829	5.2637	167823.86	0.2651	0.006358
U	238	3	He	0.098	0.0301	1730.18	0.3022	0.0005338
U	238	3	He	0.094	0.0288	1670.16	0.3022	0.0005338
U	238	3	He	0.087	0.0267	1590.16	0.3022	0.0005338
Sc	45	1	No Gas			194787.83		
Sc	45	1	No Gas			202238.69		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			199348.69		
Ge	72	1	No Gas			118941.18		
Ge	72	1	No Gas			119688.42		
Ge	72	1	No Gas			121461.59		
Sc	45	2	H2			38100.61		
Sc	45	2	H2			36797.36		
Sc	45	2	H2			38541.83		
Ge	72	2	H2			28108.77		
Ge	72	2	H2			28058.22		
Ge	72	2	H2			28148.50		
In	115	2	H2			71032.74		
In	115	2	H2			69514.49		
In	115	2	H2			69865.99		
Sc	45	3	He			5451.21		
Sc	45	3	He			5541.22		
Sc	45	3	He			5371.21		
Ge	72	3	He			9763.67		
Ge	72	3	He			9523.53		
Ge	72	3	He			10654.33		
In	115	3	He			13607.10		
In	115	3	He			12986.43		
In	115	3	He			12666.19		
Tb	159	3	He			57513.40		
Tb	159	3	He			57944.87		
Tb	159	3	He			59591.99		
Bi	209	3	He			48169.31		
Bi	209	3	He			47968.58		
Bi	209	3	He			48761.29		

Quantitation Report

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Sample Type	Sample
Comment	D8
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

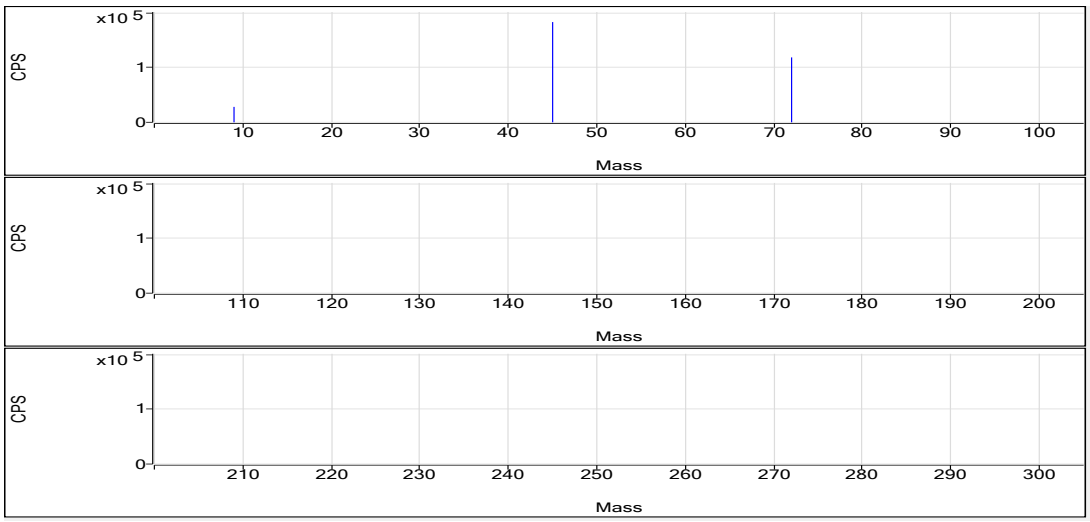
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	44.194	ppb	0.5	28176.51	0.1538	Pulse	0.5000	3
Se	78	72	H2	9.268	ppb	2.9	897.81	0.0328	Pulse	1.5000	3
Na	23	45	He	13788.733	ppb	3.8	1490763.99	299.2808	Pulse	0.1000	3
Mg	24	45	He	501.451	ppb	3.7	27730.11	5.5670	Pulse	0.1000	3
Al	27	45	He	97.520	ppb	6.9	1840.18	0.3696	Pulse	0.1000	3
K	39	45	He	463.096	ppb	7.6	29330.21	5.8906	Pulse	0.1000	3
Ca	44	115	He	776.662	ppb	6.6	2576.98	0.1750	Pulse	0.1000	3
Ti	47	72	He	84.657	ppb	9.0	1736.83	0.1725	Pulse	0.1000	3
V	51	45	He	44.632	ppb	3.2	36626.70	7.3524	Pulse	0.5000	3
Cr	52	72	He	43.536	ppb	1.6	46451.98	4.6167	Pulse	0.1000	3
Mn	55	72	He	48.235	ppb	0.7	24768.68	2.4621	Pulse	0.1000	3
Fe	57	45	He	43.945	ppb	18.4	1026.74	0.2057	Pulse	0.1000	3
Co	59	72	He	43.701	ppb	1.4	86549.24	8.6037	Pulse	0.1000	3
Ni	60	115	He	37.531	ppb	1.5	24117.55	1.6385	Pulse	0.1000	3
Cu	63	115	He	38.673	ppb	1.2	69725.79	4.7363	Pulse	0.1000	3
Zn	66	115	He	43.824	ppb	2.3	10330.75	0.7016	Pulse	0.1000	3
As	75	115	He	37.661	ppb	2.0	7353.26	0.4995	Pulse	0.5000	3
Sr	88	72	He	45.057	ppb	0.7	39208.50	3.8974	Pulse	0.1000	3
Mo	98	159	He	87.947	ppb	1.6	149374.10	2.6696	Pulse	0.1000	3
Ag	107	72	He	21.068	ppb	1.4	74230.92	7.3792	Pulse	0.1000	3
Cd	111	72	He	8.895	ppb	2.6	4063.28	0.4040	Pulse	0.5000	3
Sn	120	159	He	437.752	ppb	2.5	698234.68	12.4798	Pulse	0.1000	3
Sb	121	159	He	43.421	ppb	2.2	63576.18	1.1363	Pulse	0.1000	3
Ba	137	159	He	885.800	ppb	1.3	487113.78	8.7053	Pulse	0.1000	3
Tl	205	159	He	46.027	ppb	0.9	501095.21	8.9546	Pulse	0.1000	3
Pb	208	159	He	48.190	ppb	1.3	715333.30	12.7832	Pulse	0.1000	3
U	238	159	He	0.015	ppb	29.1	290.01	0.0052	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	183262.16	1.4	100.0	Pulse	0.1000	3
No Gas	Ge	72	118660.39	3.1	106.0	Pulse	0.1000	3
H2	Sc	45	35855.00	0.7	105.7	Pulse	0.1000	3
H2	Ge	72	27373.60	2.0	105.8	Pulse	0.1000	3
H2	In	115	98495.59	1.2	154.1	Pulse	0.1000	3
He	Sc	45	4984.35	2.7	104.8	Pulse	0.1000	3
He	Ge	72	10060.55	1.2	103.4	Pulse	0.1000	3
He	In	115	14721.05	1.4	125.7	Pulse	0.1000	3
He	Tb	159	55963.20	1.5	112.2	Pulse	0.1000	3
He	Bi	209	46912.09	1.4	114.7	Pulse	0.1000	3

No Gas



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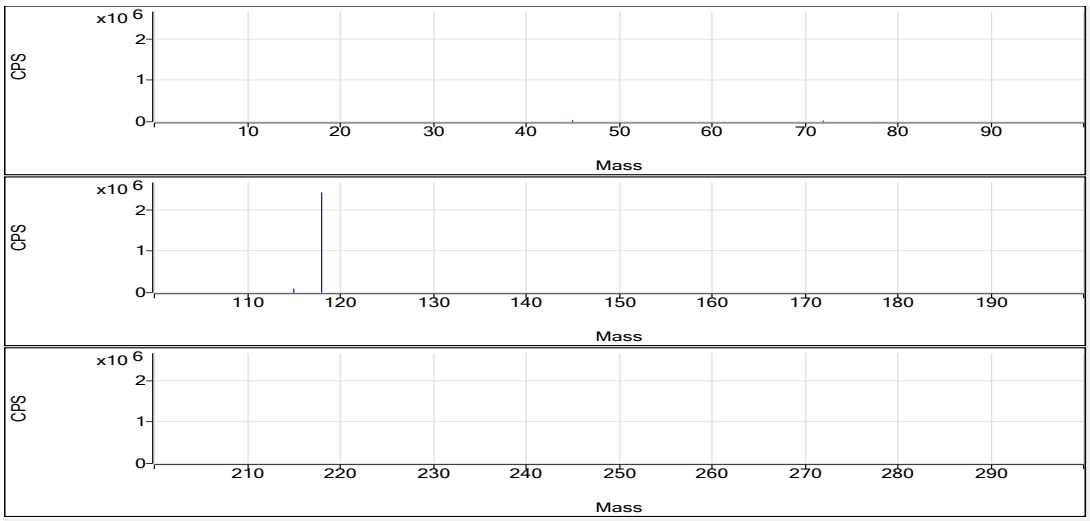
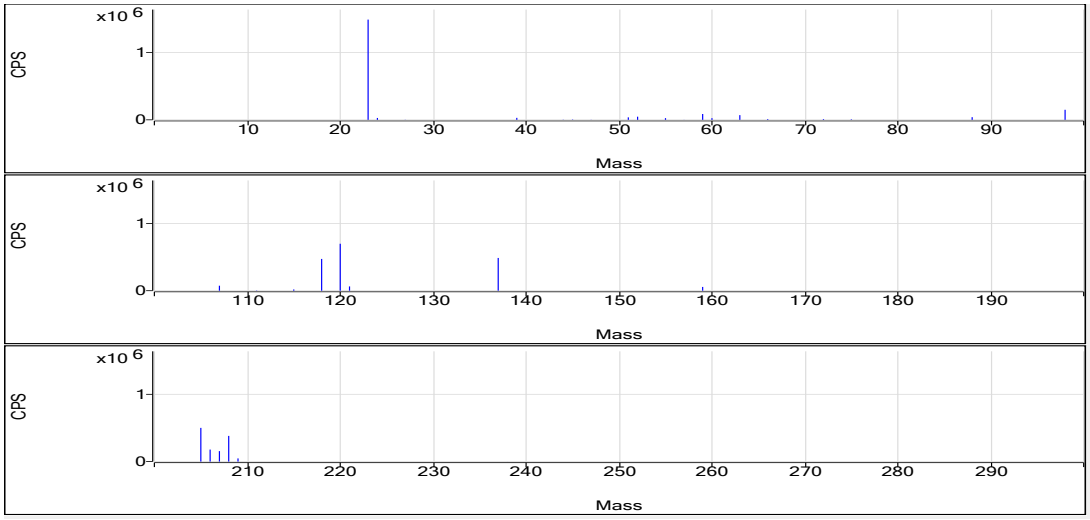


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	43.999	0.1531	28322.81	0.0035	0.0001638
Be	9	1	No Gas	44.184	0.1537	28368.84	0.0035	0.0001638
Be	9	1	No Gas	44.4	0.1545	27837.88	0.0035	0.0001638
Se	78	2	H2	9.097	0.0322	878.03	0.0035	8.664E-05
Se	78	2	H2	9.58	0.0339	911.36	0.0035	8.664E-05
Se	78	2	H2	9.128	0.0323	904.03	0.0035	8.664E-05
Na	23	3	He	14329.941	310.9959	1514848.41	0.0216	0.8064
Na	23	3	He	13292.766	288.5449	1480549.98	0.0216	0.8064
Na	23	3	He	13743.493	298.3015	1476893.57	0.0216	0.8064
Mg	24	3	He	517.486	5.7416	27967.28	0.0109	0.1054
Mg	24	3	He	481.439	5.349	27446.32	0.0109	0.1054
Mg	24	3	He	505.429	5.6103	27776.72	0.0109	0.1054
Al	27	3	He	101.398	0.3839	1870.19	0.0037	0.009095
Al	27	3	He	89.804	0.3411	1750.15	0.0037	0.009095
Al	27	3	He	101.357	0.3838	1900.19	0.0037	0.009095
K	39	3	He	494.545	6.2004	30201.90	0.0099	1.328
K	39	3	He	425.377	5.519	28318.53	0.0099	1.328
K	39	3	He	469.366	5.9524	29470.19	0.0099	1.328
Ca	44	3	He	801.685	0.1804	2690.32	0.0002	0.004867
Ca	44	3	He	717.324	0.162	2350.26	0.0002	0.004867
Ca	44	3	He	810.979	0.1825	2690.35	0.0002	0.004867
Ti	47	3	He	90.735	0.1849	1870.18	0.002	0
Ti	47	3	He	76.154	0.1552	1540.14	0.002	0
Ti	47	3	He	87.081	0.1775	1800.17	0.002	0
V	51	3	He	45.816	7.5464	36758.34	0.1638	0.04039
V	51	3	He	43.078	7.0978	36419.57	0.1638	0.04039
V	51	3	He	45.002	7.4131	36702.18	0.1638	0.04039
Cr	52	3	He	44.025	4.6676	47207.62	0.1041	0.08357
Cr	52	3	He	42.719	4.5316	44970.56	0.1041	0.08357
Cr	52	3	He	43.864	4.6509	47177.77	0.1041	0.08357
Mn	55	3	He	48.062	2.4533	24812.13	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	48.648	2.4831	24641.84	0.0509	0.00756
Mn	55	3	He	47.997	2.45	24852.07	0.0509	0.00756
Fe	57	3	He	45.349	0.2115	1030.08	0.0041	0.02373
Fe	57	3	He	51.234	0.2358	1210.10	0.0041	0.02373
Fe	57	3	He	35.252	0.1697	840.05	0.0041	0.02373
Co	59	3	He	43.587	8.5813	86790.77	0.1966	0.009981
Co	59	3	He	44.345	8.7304	86639.20	0.1966	0.009981
Co	59	3	He	43.171	8.4995	86217.75	0.1966	0.009981
Ni	60	3	He	37.067	1.6185	24130.83	0.0432	0.01878
Ni	60	3	He	38.146	1.6651	24161.08	0.0432	0.01878
Ni	60	3	He	37.38	1.632	24060.73	0.0432	0.01878
Cu	63	3	He	38.551	4.7214	70392.66	0.1222	0.01194
Cu	63	3	He	38.286	4.6891	68040.90	0.1222	0.01194
Cu	63	3	He	39.181	4.7984	70743.82	0.1222	0.01194
Zn	66	3	He	44.89	0.7186	10714.38	0.0159	0.002839
Zn	66	3	He	42.928	0.6873	9973.74	0.0159	0.002839
Zn	66	3	He	43.653	0.6989	10304.12	0.0159	0.002839
As	75	3	He	38.12	0.5056	7538.03	0.0132	0.0009658
As	75	3	He	38.076	0.505	7327.90	0.0132	0.0009658
As	75	3	He	36.787	0.4879	7193.84	0.0132	0.0009658
Sr	88	3	He	45.203	3.9101	39546.06	0.0864	0.005458
Sr	88	3	He	45.275	3.9162	38864.16	0.0864	0.005458
Sr	88	3	He	44.692	3.8659	39215.29	0.0864	0.005458
Mo	98	3	He	89.509	2.717	149357.06	0.0303	0.001942
Mo	98	3	He	86.812	2.6351	148882.42	0.0303	0.001942
Mo	98	3	He	87.52	2.6566	149882.82	0.0303	0.001942
Ag	107	3	He	21.033	7.367	74509.26	0.3501	0.002425
Ag	107	3	He	21.378	7.4878	74307.42	0.3501	0.002425
Ag	107	3	He	20.793	7.2828	73876.07	0.3501	0.002425
Cd	111	3	He	8.675	0.394	3984.60	0.0454	6.986E-05
Cd	111	3	He	9.143	0.4152	4120.63	0.0454	6.986E-05
Cd	111	3	He	8.866	0.4027	4084.62	0.0454	6.986E-05
Sn	120	3	He	450.32	12.8371	705680.54	0.0284	0.03615
Sn	120	3	He	431.224	12.2943	694611.55	0.0284	0.03615
Sn	120	3	He	431.714	12.3082	694411.94	0.0284	0.03615
Sb	121	3	He	44.495	1.1644	64008.03	0.0262	0.000803
Sb	121	3	He	42.666	1.1166	63083.96	0.0262	0.000803
Sb	121	3	He	43.102	1.1279	63636.55	0.0262	0.000803
Ba	137	3	He	898.396	8.829	485350.11	0.0098	0.0007342
Ba	137	3	He	882.075	8.6687	489769.56	0.0098	0.0007342
Ba	137	3	He	876.929	8.6181	486221.67	0.0098	0.0007342
Tl	205	3	He	46.379	9.023	496012.73	0.1945	0.002744
Tl	205	3	He	45.601	8.8718	501248.35	0.1945	0.002744
Tl	205	3	He	46.101	8.9691	506024.56	0.1945	0.002744
Pb	208	3	He	48.605	12.8932	379303.98	0.2651	0.006358
Pb	208	3	He	47.461	12.59	377261.17	0.2651	0.006358
Pb	208	3	He	48.504	12.8666	388494.29	0.2651	0.006358
U	238	3	He	0.01	0.0036	200.01	0.3022	0.0005338
U	238	3	He	0.019	0.0062	350.02	0.3022	0.0005338
U	238	3	He	0.017	0.0057	320.01	0.3022	0.0005338
Sc	45	1	No Gas			185022.38		
Sc	45	1	No Gas			184549.70		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			180214.39		
Ge	72	1	No Gas			122824.46		
Ge	72	1	No Gas			117471.46		
Ge	72	1	No Gas			115685.24		
Sc	45	2	H2			35734.51		
Sc	45	2	H2			35674.42		
Sc	45	2	H2			36156.08		
Ge	72	2	H2			27266.49		
Ge	72	2	H2			26876.01		
Ge	72	2	H2			27978.29		
In	115	2	H2			98488.41		
In	115	2	H2			99698.40		
In	115	2	H2			97299.95		
Sc	45	3	He			4870.96		
Sc	45	3	He			5131.09		
Sc	45	3	He			4951.01		
Ge	72	3	He			10113.95		
Ge	72	3	He			9923.82		
Ge	72	3	He			10143.88		
In	115	3	He			18613.07		
In	115	3	He			18192.39		
In	115	3	He			18412.66		
Tb	159	3	He			54972.02		
Tb	159	3	He			56498.86		
Tb	159	3	He			56418.71		
Bi	209	3	He			46172.75		
Bi	209	3	He			47055.63		
Bi	209	3	He			47507.89		

Quantitation Report

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Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\25F12B00.b
Acq Time	6/12/2025 7:07:54 PM
Sample Name	410-225660-E-1-Q MSD@10
Sample Type	Sample
Comment	D8
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

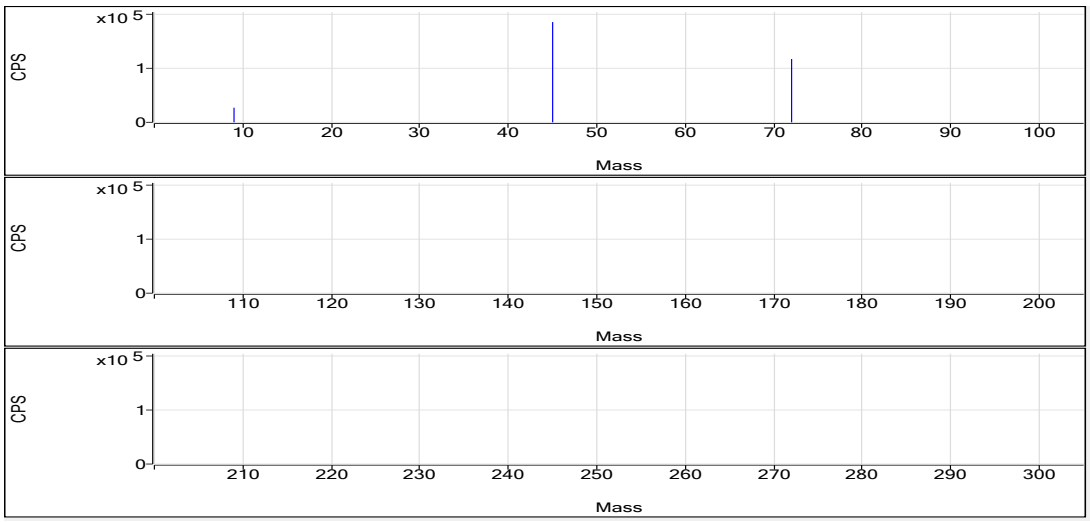
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	41.833	ppb	0.5	27042.38	0.1455	Pulse	0.5000	3
Se	78	72	H2	8.901	ppb	2.3	868.25	0.0315	Pulse	1.5000	3
Na	23	45	He	14100.841	ppb	6.7	1414489.04	306.0367	Pulse	0.1000	3
Mg	24	45	He	515.045	ppb	8.5	26400.95	5.7150	Pulse	0.1000	3
Al	27	45	He	90.572	ppb	11.7	1586.80	0.3439	Pulse	0.1000	3
K	39	45	He	485.071	ppb	9.1	28221.37	6.1071	Pulse	0.1000	3
Ca	44	115	He	736.574	ppb	7.8	2353.61	0.1662	Pulse	0.1000	3
Ti	47	72	He	85.394	ppb	9.4	1746.83	0.1740	Pulse	0.1000	3
V	51	45	He	45.659	ppb	6.1	34769.46	7.5207	Pulse	0.5000	3
Cr	52	72	He	40.843	ppb	1.8	43613.15	4.3363	Pulse	0.1000	3
Mn	55	72	He	46.571	ppb	1.7	23920.39	2.3774	Pulse	0.1000	3
Fe	57	45	He	49.320	ppb	17.5	1050.08	0.2279	Pulse	0.1000	3
Co	59	72	He	41.549	ppb	3.6	82231.60	8.1806	Pulse	0.1000	3
Ni	60	115	He	36.912	ppb	2.1	22838.73	1.6118	Pulse	0.1000	3
Cu	63	115	He	37.889	ppb	1.1	65750.53	4.6406	Pulse	0.1000	3
Zn	66	115	He	43.252	ppb	3.5	9810.38	0.6925	Pulse	0.1000	3
As	75	115	He	37.393	ppb	3.4	7027.76	0.4960	Pulse	0.5000	3
Sr	88	72	He	42.512	ppb	4.8	36955.66	3.6776	Pulse	0.1000	3
Mo	98	159	He	83.638	ppb	2.3	141211.08	2.5389	Pulse	0.1000	3
Ag	107	72	He	20.075	ppb	4.6	70665.50	7.0316	Pulse	0.1000	3
Cd	111	72	He	8.468	ppb	2.5	3867.23	0.3846	Pulse	0.5000	3
Sn	120	159	He	416.122	ppb	2.3	659948.41	11.8650	Pulse	0.1000	3
Sb	121	159	He	41.287	ppb	2.4	60097.93	1.0805	Pulse	0.1000	3
Ba	137	159	He	846.498	ppb	2.1	462747.57	8.3191	Pulse	0.1000	3
Tl	205	159	He	43.923	ppb	2.0	475322.10	8.5455	Pulse	0.1000	3
Pb	208	159	He	46.062	ppb	1.4	679740.01	12.2192	Pulse	0.1000	3
U	238	159	He	0.010	ppb	10.2	203.34	0.0037	Pulse	0.1000	3

ISTD Table:

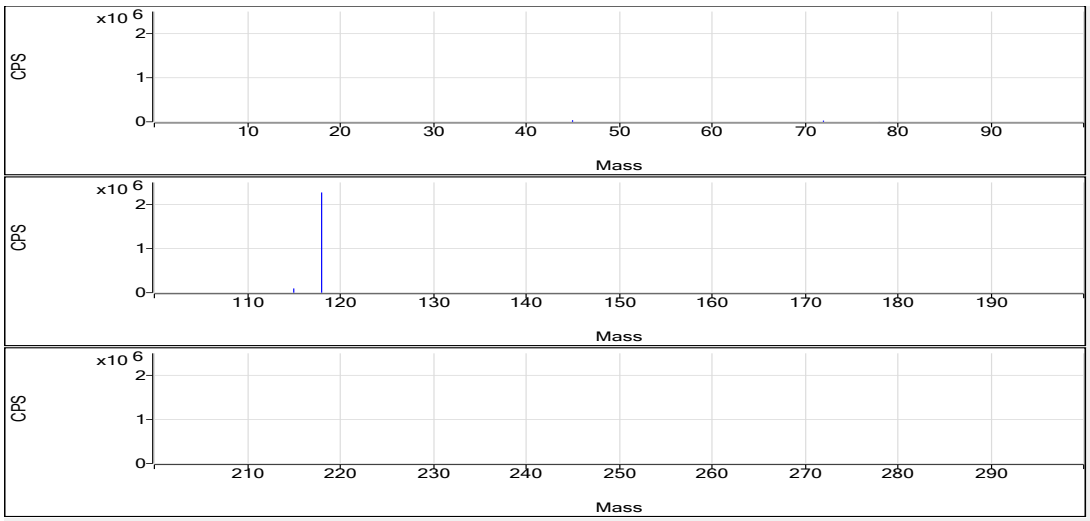
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	185796.76	1.0	101.4	Pulse	0.1000	3
No Gas	Ge	72	117335.74	1.6	104.8	Pulse	0.1000	3
H2	Sc	45	35744.65	1.5	105.4	Pulse	0.1000	3
H2	Ge	72	27554.02	0.5	106.5	Pulse	0.1000	3
H2	In	115	96716.26	1.8	151.3	Pulse	0.1000	3
He	Sc	45	4634.23	6.0	97.5	Pulse	0.1000	3
He	Ge	72	10060.50	3.6	103.4	Pulse	0.1000	3
He	In	115	14169.89	1.2	121.0	Pulse	0.1000	3
He	Tb	159	55635.34	1.9	111.5	Pulse	0.1000	3
He	Bi	209	47537.58	3.5	116.3	Pulse	0.1000	3

No Gas

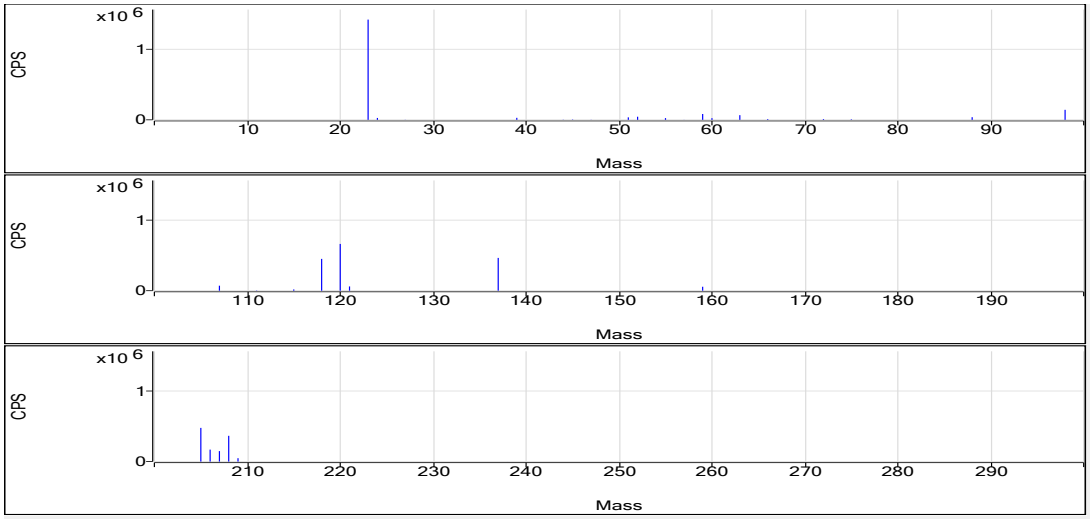


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	41.782	0.1454	26727.81	0.0035	0.0001638
Be	9	1	No Gas	42.078	0.1464	27262.80	0.0035	0.0001638
Be	9	1	No Gas	41.638	0.1449	27136.53	0.0035	0.0001638
Se	78	2	H2	9.115	0.0323	884.03	0.0035	8.664E-05
Se	78	2	H2	8.701	0.0308	851.36	0.0035	8.664E-05
Se	78	2	H2	8.888	0.0315	869.36	0.0035	8.664E-05
Na	23	3	He	14582.137	316.455	1427471.38	0.0216	0.8064
Na	23	3	He	14706.117	319.1387	1417256.54	0.0216	0.8064
Na	23	3	He	13014.269	282.5165	1398739.20	0.0216	0.8064
Mg	24	3	He	547.332	6.0667	27365.80	0.0109	0.1054
Mg	24	3	He	532.502	5.9052	26224.21	0.0109	0.1054
Mg	24	3	He	465.302	5.1733	25612.83	0.0109	0.1054
Al	27	3	He	97.694	0.3703	1670.16	0.0037	0.009095
Al	27	3	He	95.615	0.3626	1610.13	0.0037	0.009095
Al	27	3	He	78.407	0.299	1480.12	0.0037	0.009095
K	39	3	He	504.888	6.3023	28428.52	0.0099	1.328
K	39	3	He	515.876	6.4105	28468.47	0.0099	1.328
K	39	3	He	434.45	5.6084	27767.11	0.0099	1.328
Ca	44	3	He	746.974	0.1685	2400.29	0.0002	0.004867
Ca	44	3	He	674.545	0.1526	2180.24	0.0002	0.004867
Ca	44	3	He	788.202	0.1775	2480.31	0.0002	0.004867
Ti	47	3	He	76.443	0.1558	1630.16	0.002	0
Ti	47	3	He	91.981	0.1874	1830.17	0.002	0
Ti	47	3	He	87.757	0.1788	1780.16	0.002	0
V	51	3	He	47.264	7.7836	35110.32	0.1638	0.04039
V	51	3	He	47.257	7.7824	34560.91	0.1638	0.04039
V	51	3	He	42.456	6.996	34637.14	0.1638	0.04039
Cr	52	3	He	40.462	4.2966	44960.57	0.1041	0.08357
Cr	52	3	He	41.677	4.4231	43185.06	0.1041	0.08357
Cr	52	3	He	40.391	4.2892	42693.82	0.1041	0.08357
Mn	55	3	He	47.012	2.3999	25112.51	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	47.029	2.4007	23439.50	0.0509	0.00756
Mn	55	3	He	45.672	2.3317	23209.16	0.0509	0.00756
Fe	57	3	He	49.427	0.2284	1030.07	0.0041	0.02373
Fe	57	3	He	57.912	0.2635	1170.10	0.0041	0.02373
Fe	57	3	He	40.62	0.1919	950.07	0.0041	0.02373
Co	59	3	He	40.045	7.8847	82506.53	0.1966	0.009981
Co	59	3	He	43.032	8.4721	82717.49	0.1966	0.009981
Co	59	3	He	41.571	8.1849	81470.78	0.1966	0.009981
Ni	60	3	He	37.7	1.6458	23449.77	0.0432	0.01878
Ni	60	3	He	36.166	1.5796	22568.16	0.0432	0.01878
Ni	60	3	He	36.87	1.61	22498.26	0.0432	0.01878
Cu	63	3	He	37.781	4.6274	65931.42	0.1222	0.01194
Cu	63	3	He	37.545	4.5985	65700.06	0.1222	0.01194
Cu	63	3	He	38.342	4.6958	65620.12	0.1222	0.01194
Zn	66	3	He	41.916	0.6712	9563.42	0.0159	0.002839
Zn	66	3	He	42.943	0.6876	9823.76	0.0159	0.002839
Zn	66	3	He	44.898	0.7188	10043.97	0.0159	0.002839
As	75	3	He	36.041	0.4781	6811.65	0.0132	0.0009658
As	75	3	He	38.556	0.5114	7305.91	0.0132	0.0009658
As	75	3	He	37.582	0.4985	6965.73	0.0132	0.0009658
Sr	88	3	He	40.294	3.486	36477.76	0.0864	0.005458
Sr	88	3	He	44.367	3.8378	37470.25	0.0864	0.005458
Sr	88	3	He	42.876	3.709	36918.98	0.0864	0.005458
Mo	98	3	He	85.276	2.5886	141910.75	0.0303	0.001942
Mo	98	3	He	81.532	2.475	140628.90	0.0303	0.001942
Mo	98	3	He	84.106	2.5531	141093.59	0.0303	0.001942
Ag	107	3	He	18.998	6.6545	69633.52	0.3501	0.002425
Ag	107	3	He	20.586	7.2103	70397.65	0.3501	0.002425
Ag	107	3	He	20.642	7.2299	71965.32	0.3501	0.002425
Cd	111	3	He	8.25	0.3747	3920.57	0.0454	6.986E-05
Cd	111	3	He	8.476	0.385	3758.53	0.0454	6.986E-05
Cd	111	3	He	8.677	0.3941	3922.58	0.0454	6.986E-05
Sn	120	3	He	426.514	12.1604	666654.91	0.0284	0.03615
Sn	120	3	He	407.951	11.6327	660970.38	0.0284	0.03615
Sn	120	3	He	413.902	11.8019	652219.95	0.0284	0.03615
Sb	121	3	He	42.396	1.1095	60824.10	0.0262	0.000803
Sb	121	3	He	40.492	1.0597	60212.11	0.0262	0.000803
Sb	121	3	He	40.973	1.0723	59257.57	0.0262	0.000803
Ba	137	3	He	866.864	8.5192	467038.35	0.0098	0.0007342
Ba	137	3	He	835.459	8.2106	466525.19	0.0098	0.0007342
Ba	137	3	He	837.17	8.2274	454679.17	0.0098	0.0007342
Tl	205	3	He	44.237	8.6065	471823.70	0.1945	0.002744
Tl	205	3	He	42.951	8.3564	474808.27	0.1945	0.002744
Tl	205	3	He	44.582	8.6735	479334.33	0.1945	0.002744
Pb	208	3	He	45.945	12.1881	355957.57	0.2651	0.006358
Pb	208	3	He	45.472	12.0627	367093.20	0.2651	0.006358
Pb	208	3	He	46.77	12.4067	367410.03	0.2651	0.006358
U	238	3	He	0.01	0.0036	200.01	0.3022	0.0005338
U	238	3	He	0.009	0.0033	190.01	0.3022	0.0005338
U	238	3	He	0.011	0.004	220.01	0.3022	0.0005338
Sc	45	1	No Gas			183858.59		
Sc	45	1	No Gas			186219.55		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			187312.15		
Ge	72	1	No Gas			117934.14		
Ge	72	1	No Gas			118872.13		
Ge	72	1	No Gas			115200.94		
Sc	45	2	H2			35413.49		
Sc	45	2	H2			35444.05		
Sc	45	2	H2			36376.42		
Ge	72	2	H2			27397.09		
Ge	72	2	H2			27637.26		
Ge	72	2	H2			27627.70		
In	115	2	H2			94844.09		
In	115	2	H2			98185.78		
In	115	2	H2			97118.91		
Sc	45	3	He			4510.82		
Sc	45	3	He			4440.88		
Sc	45	3	He			4951.00		
Ge	72	3	He			10464.16		
Ge	72	3	He			9763.52		
Ge	72	3	He			9953.82		
In	115	3	He			17801.91		
In	115	3	He			17771.89		
In	115	3	He			17441.45		
Tb	159	3	He			54821.91		
Tb	159	3	He			56820.02		
Tb	159	3	He			55264.08		
Bi	209	3	He			46332.74		
Bi	209	3	He			46815.12		
Bi	209	3	He			49464.87		

Quantitation Report

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Sample Type	CCV
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

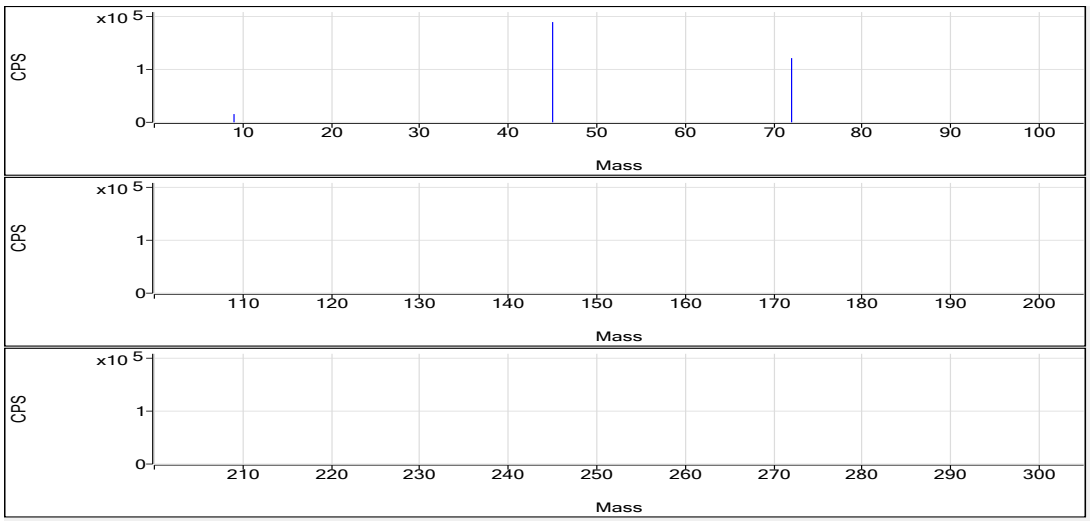
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	23.551	ppb	0.9	15564.13	0.0820	Pulse	0.5000	3
Se	78	72	H2	25.344	ppb	3.6	2466.22	0.0896	Pulse	1.5000	3
Na	23	45	He	2425.587	ppb	5.9	263075.41	53.3113	Pulse	0.1000	3
Mg	24	45	He	2463.971	ppb	5.0	132985.67	26.9419	Pulse	0.1000	3
Al	27	45	He	2430.164	ppb	6.7	44364.27	8.9930	Pulse	0.1000	3
K	39	45	He	2424.356	ppb	6.9	124382.58	25.2117	Pulse	0.1000	3
Ca	44	115	He	2313.481	ppb	1.5	6455.00	0.5115	Pulse	0.1000	3
Ti	47	72	He	2411.477	ppb	4.4	48866.42	4.9144	Pulse	0.1000	3
V	51	45	He	246.891	ppb	5.4	199822.03	40.4883	Pulse	0.5000	3
Cr	52	72	He	239.947	ppb	2.9	249326.84	25.0676	Pulse	0.1000	3
Mn	55	72	He	238.087	ppb	2.6	120580.29	12.1230	Pulse	0.1000	3
Fe	57	45	He	2456.811	ppb	6.2	50305.22	10.1950	Pulse	0.1000	3
Co	59	72	He	241.030	ppb	3.0	471521.10	47.4081	Pulse	0.1000	3
Ni	60	115	He	236.473	ppb	3.2	128906.83	10.2243	Pulse	0.1000	3
Cu	63	115	He	239.383	ppb	2.9	368834.93	29.2553	Pulse	0.1000	3
Zn	66	115	He	240.116	ppb	2.5	48312.01	3.8316	Pulse	0.1000	3
As	75	115	He	240.486	ppb	2.5	40151.39	3.1844	Pulse	0.5000	3
Sr	88	72	He	24.012	ppb	1.7	20689.05	2.0796	Pulse	0.1000	3
Mo	98	159	He	24.372	ppb	1.1	41271.44	0.7412	Pulse	0.1000	3
Ag	107	72	He	25.167	ppb	2.9	87667.76	8.8144	Pulse	0.1000	3
Cd	111	72	He	24.708	ppb	1.3	11162.52	1.1220	Pulse	0.5000	3
Sn	120	159	He	24.957	ppb	4.4	41513.24	0.7456	Pulse	0.1000	3
Sb	121	159	He	23.821	ppb	2.7	34724.39	0.6237	Pulse	0.1000	3
Ba	137	159	He	242.420	ppb	2.1	132667.40	2.3829	Pulse	0.1000	3
Tl	205	159	He	25.519	ppb	2.1	276519.46	4.9659	Pulse	0.1000	3
Pb	208	159	He	25.220	ppb	2.8	372663.79	6.6930	Pulse	0.1000	3
U	238	159	He	25.456	ppb	3.1	428301.93	7.6925	Pulse	0.1000	3

ISTD Table:

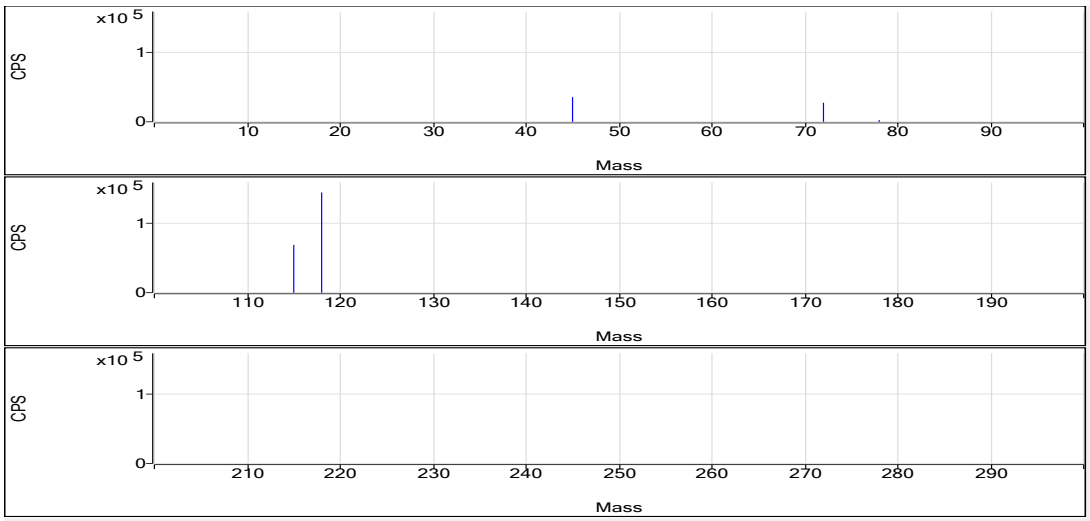
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	189767.43	0.6	103.5	Pulse	0.1000	3
No Gas	Ge	72	121503.66	1.1	108.5	Pulse	0.1000	3
H2	Sc	45	35567.66	1.5	104.9	Pulse	0.1000	3
H2	Ge	72	27543.78	2.1	106.5	Pulse	0.1000	3
H2	In	115	68951.60	2.2	107.8	Pulse	0.1000	3
He	Sc	45	4944.35	5.0	104.0	Pulse	0.1000	3
He	Ge	72	9950.50	2.4	102.3	Pulse	0.1000	3
He	In	115	12614.91	3.1	107.7	Pulse	0.1000	3
He	Tb	159	55685.70	1.7	111.6	Pulse	0.1000	3
He	Bi	209	46101.88	2.7	112.8	Pulse	0.1000	3

No Gas

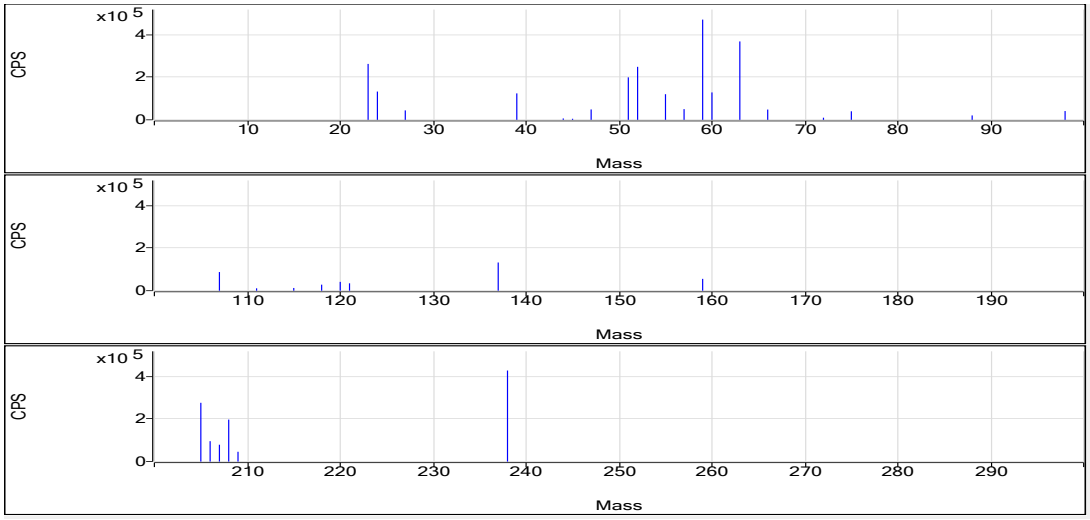


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	23.377	0.0814	15387.95	0.0035	0.0001638
Be	9	1	No Gas	23.773	0.0828	15822.43	0.0035	0.0001638
Be	9	1	No Gas	23.505	0.0819	15482.02	0.0035	0.0001638
Se	78	2	H2	25.684	0.0908	2440.21	0.0035	8.664E-05
Se	78	2	H2	24.306	0.0859	2407.54	0.0035	8.664E-05
Se	78	2	H2	26.043	0.092	2550.90	0.0035	8.664E-05
Na	23	3	He	2589.307	56.8552	264995.19	0.0216	0.8064
Na	23	3	He	2325.681	51.1487	262447.38	0.0216	0.8064
Na	23	3	He	2361.775	51.93	261783.65	0.0216	0.8064
Mg	24	3	He	2606.604	28.4954	132813.79	0.0109	0.1054
Mg	24	3	He	2379.146	26.0181	133500.44	0.0109	0.1054
Mg	24	3	He	2406.164	26.3123	132642.77	0.0109	0.1054
Al	27	3	He	2615.555	9.6784	45109.90	0.0037	0.009095
Al	27	3	He	2307.431	8.5393	43815.86	0.0037	0.009095
Al	27	3	He	2367.506	8.7614	44167.06	0.0037	0.009095
K	39	3	He	2612.561	27.0657	126150.13	0.0099	1.328
K	39	3	He	2296.988	23.9569	122924.60	0.0099	1.328
K	39	3	He	2363.52	24.6123	124073.01	0.0099	1.328
Ca	44	3	He	2289.413	0.5063	6211.59	0.0002	0.004867
Ca	44	3	He	2298.664	0.5083	6371.60	0.0002	0.004867
Ca	44	3	He	2352.365	0.5201	6781.81	0.0002	0.004867
Ti	47	3	He	2475.902	5.0457	49264.54	0.002	0
Ti	47	3	He	2468.743	5.0311	49625.50	0.002	0
Ti	47	3	He	2289.787	4.6664	47709.23	0.002	0
V	51	3	He	262.17	42.9915	200378.23	0.1638	0.04039
V	51	3	He	236.888	38.8496	199339.89	0.1638	0.04039
V	51	3	He	241.615	39.624	199747.98	0.1638	0.04039
Cr	52	3	He	246.959	25.7977	251881.15	0.1041	0.08357
Cr	52	3	He	239.661	25.0379	246968.06	0.1041	0.08357
Cr	52	3	He	233.221	24.3673	249131.32	0.1041	0.08357
Mn	55	3	He	242.849	12.3653	120731.59	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	240.163	12.2287	120620.81	0.0509	0.00756
Mn	55	3	He	231.249	11.7751	120388.47	0.0509	0.00756
Fe	57	3	He	2618.598	10.8648	50639.32	0.0041	0.02373
Fe	57	3	He	2317.697	9.619	49355.87	0.0041	0.02373
Fe	57	3	He	2434.137	10.1011	50920.48	0.0041	0.02373
Co	59	3	He	248.558	48.8886	477334.29	0.1966	0.009981
Co	59	3	He	240.424	47.2891	466448.59	0.1966	0.009981
Co	59	3	He	234.106	46.0466	470780.42	0.1966	0.009981
Ni	60	3	He	245.198	10.6008	130063.96	0.0432	0.01878
Ni	60	3	He	232.976	10.0734	126270.84	0.0432	0.01878
Ni	60	3	He	231.244	9.9986	130385.70	0.0432	0.01878
Cu	63	3	He	244.8	29.9171	367059.64	0.1222	0.01194
Cu	63	3	He	241.71	29.5395	370281.28	0.1222	0.01194
Cu	63	3	He	231.639	28.3092	369163.86	0.1222	0.01194
Zn	66	3	He	243.535	3.8861	47679.71	0.0159	0.002839
Zn	66	3	He	243.539	3.8862	48713.78	0.0159	0.002839
Zn	66	3	He	233.272	3.7225	48542.53	0.0159	0.002839
As	75	3	He	246.502	3.2641	40047.75	0.0132	0.0009658
As	75	3	He	240.305	3.1821	39887.35	0.0132	0.0009658
As	75	3	He	234.65	3.1072	40519.07	0.0132	0.0009658
Sr	88	3	He	24.488	2.1207	20705.74	0.0864	0.005458
Sr	88	3	He	23.769	2.0586	20305.24	0.0864	0.005458
Sr	88	3	He	23.779	2.0595	21056.17	0.0864	0.005458
Mo	98	3	He	24.695	0.751	41291.19	0.0303	0.001942
Mo	98	3	He	24.229	0.7369	41802.88	0.0303	0.001942
Mo	98	3	He	24.193	0.7358	40720.24	0.0303	0.001942
Ag	107	3	He	25.821	9.0435	88298.38	0.3501	0.002425
Ag	107	3	He	25.279	8.8538	87331.93	0.3501	0.002425
Ag	107	3	He	24.4	8.5459	87372.96	0.3501	0.002425
Cd	111	3	He	25.068	1.1383	11114.46	0.0454	6.986E-05
Cd	111	3	He	24.568	1.1156	11004.40	0.0454	6.986E-05
Cd	111	3	He	24.487	1.112	11368.69	0.0454	6.986E-05
Sn	120	3	He	24.275	0.7262	39928.55	0.0284	0.03615
Sn	120	3	He	24.359	0.7286	41332.21	0.0284	0.03615
Sn	120	3	He	26.238	0.782	43278.95	0.0284	0.03615
Sb	121	3	He	24.029	0.6292	34594.04	0.0262	0.000803
Sb	121	3	He	23.112	0.6052	34333.17	0.0262	0.000803
Sb	121	3	He	24.322	0.6368	35245.95	0.0262	0.000803
Ba	137	3	He	244.16	2.4	131960.06	0.0098	0.0007342
Ba	137	3	He	236.747	2.3272	132022.08	0.0098	0.0007342
Ba	137	3	He	246.352	2.4216	134020.06	0.0098	0.0007342
Tl	205	3	He	25.13	4.8903	268878.82	0.1945	0.002744
Tl	205	3	He	25.302	4.9237	279321.23	0.1945	0.002744
Tl	205	3	He	26.125	5.0838	281358.32	0.1945	0.002744
Pb	208	3	He	24.842	6.5929	193775.49	0.2651	0.006358
Pb	208	3	He	24.795	6.5805	195977.87	0.2651	0.006358
Pb	208	3	He	26.022	6.9056	202719.10	0.2651	0.006358
U	238	3	He	25.074	7.5771	416610.50	0.3022	0.0005338
U	238	3	He	24.937	7.5355	427493.55	0.3022	0.0005338
U	238	3	He	26.357	7.9647	440801.75	0.3022	0.0005338
Sc	45	1	No Gas			189024.39		
Sc	45	1	No Gas			191130.50		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			189147.40		
Ge	72	1	No Gas			122824.31		
Ge	72	1	No Gas			121533.80		
Ge	72	1	No Gas			120152.87		
Sc	45	2	H2			35223.38		
Sc	45	2	H2			35283.42		
Sc	45	2	H2			36196.17		
Ge	72	2	H2			26885.84		
Ge	72	2	H2			28027.93		
Ge	72	2	H2			27717.58		
In	115	2	H2			70700.56		
In	115	2	H2			67826.22		
In	115	2	H2			68328.01		
Sc	45	3	He			4660.88		
Sc	45	3	He			5131.07		
Sc	45	3	He			5041.09		
Ge	72	3	He			9763.71		
Ge	72	3	He			9863.77		
Ge	72	3	He			10224.01		
In	115	3	He			12486.05		
In	115	3	He			12756.39		
In	115	3	He			13266.84		
Tb	159	3	He			54982.54		
Tb	159	3	He			56730.28		
Tb	159	3	He			55344.27		
Bi	209	3	He			45028.28		
Bi	209	3	He			45780.46		
Bi	209	3	He			47496.90		

Quantitation Report

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Sample Type	CCB
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

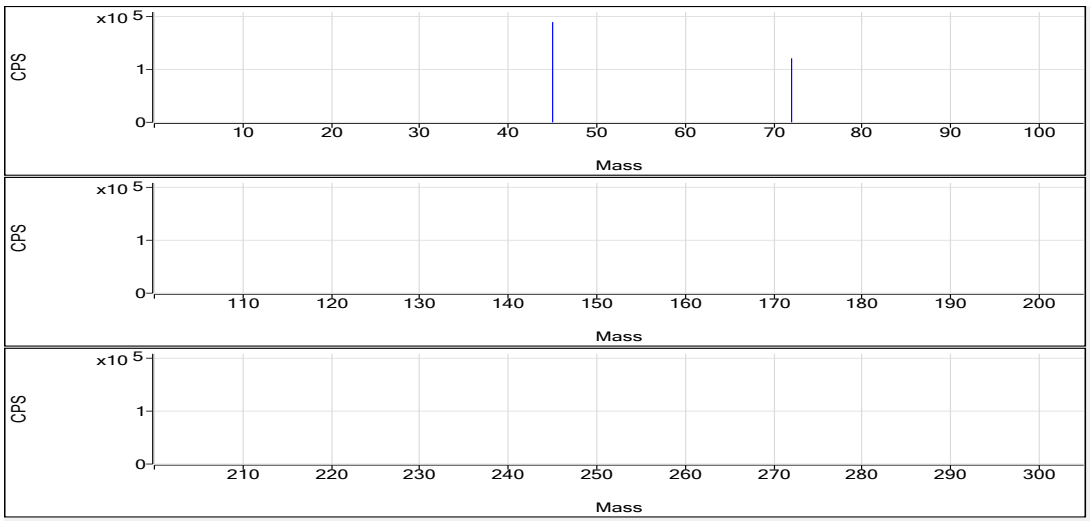
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.075	ppb	15.8	80.67	0.0004	Pulse	0.5000	3
Se	78	72	H2	0.021	ppb	67.9	4.44	0.0002	Pulse	1.5000	3
Na	23	45	He	12.170	ppb	28.8	5274.45	1.0698	Pulse	0.1000	3
Mg	24	45	He	1.746	ppb	188.9	606.70	0.1244	Pulse	0.1000	3
Al	27	45	He	-1.185	ppb	N/A	23.33	0.0047	Pulse	0.1000	3
K	39	45	He	-3.074	ppb	N/A	6418.29	1.2982	Pulse	0.1000	3
Ca	44	115	He	-2.401	ppb	N/A	53.33	0.0043	Pulse	0.1000	3
Ti	47	72	He	0.951	ppb	52.0	20.00	0.0019	Pulse	0.1000	3
V	51	45	He	0.049	ppb	107.5	237.33	0.0483	Pulse	0.5000	3
Cr	52	72	He	-0.019	ppb	N/A	850.05	0.0816	Pulse	0.1000	3
Mn	55	72	He	0.093	ppb	142.8	126.67	0.0123	Pulse	0.1000	3
Fe	57	45	He	-1.507	ppb	N/A	86.67	0.0175	Pulse	0.1000	3
Co	59	72	He	0.026	ppb	28.7	156.68	0.0151	Pulse	0.1000	3
Ni	60	115	He	-0.070	ppb	N/A	193.34	0.0157	Pulse	0.1000	3
Cu	63	115	He	0.044	ppb	48.7	213.34	0.0174	Pulse	0.1000	3
Zn	66	115	He	0.128	ppb	69.3	60.00	0.0049	Pulse	0.1000	3
As	75	115	He	0.120	ppb	26.0	31.33	0.0026	Pulse	0.5000	3
Sr	88	72	He	0.011	ppb	415.6	66.67	0.0064	Pulse	0.1000	3
Mo	98	159	He	0.004	ppb	500.8	113.34	0.0021	Pulse	0.1000	3
Ag	107	72	He	0.001	ppb	203.3	30.00	0.0029	Pulse	0.1000	3
Cd	111	72	He	0.008	ppb	76.4	4.67	0.0004	Pulse	0.5000	3
Sn	120	159	He	0.063	ppb	104.2	2076.90	0.0379	Pulse	0.1000	3
Sb	121	159	He	0.107	ppb	49.7	196.67	0.0036	Pulse	0.1000	3
Ba	137	159	He	0.093	ppb	19.3	90.00	0.0016	Pulse	0.1000	3
Tl	205	159	He	0.012	ppb	54.4	276.68	0.0051	Pulse	0.1000	3
Pb	208	159	He	0.006	ppb	12.7	430.01	0.0079	Pulse	0.1000	3
U	238	159	He	0.005	ppb	23.5	116.67	0.0021	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	189884.07	0.6	103.6	Pulse	0.1000	3
No Gas	Ge	72	121210.47	0.6	108.2	Pulse	0.1000	3
H2	Sc	45	34959.66	2.6	103.1	Pulse	0.1000	3
H2	Ge	72	27477.21	0.3	106.2	Pulse	0.1000	3
H2	In	115	67574.62	1.8	105.7	Pulse	0.1000	3
He	Sc	45	4947.68	7.5	104.1	Pulse	0.1000	3
He	Ge	72	10394.11	2.3	106.8	Pulse	0.1000	3
He	In	115	12284.11	0.2	104.9	Pulse	0.1000	3
He	Tb	159	54731.81	0.5	109.7	Pulse	0.1000	3
He	Bi	209	45640.72	0.8	111.6	Pulse	0.1000	3

No Gas



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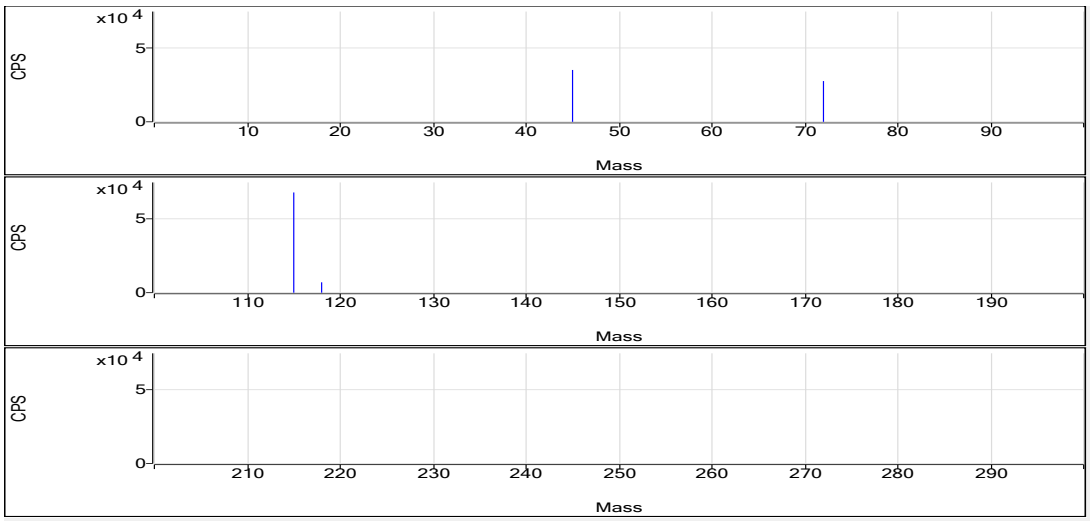
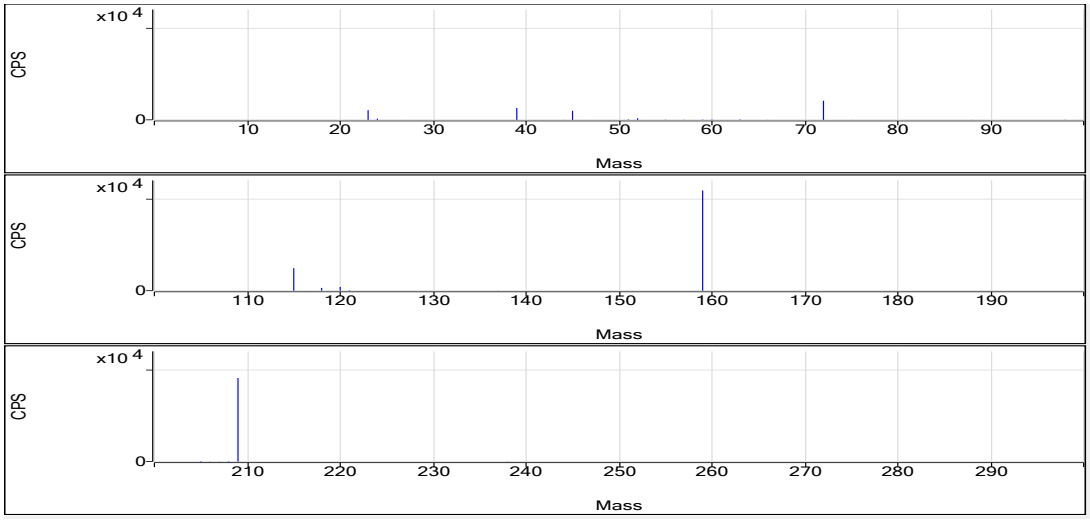


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.072	0.0004	78.00	0.0035	0.0001638
Be	9	1	No Gas	0.088	0.0005	90.00	0.0035	0.0001638
Be	9	1	No Gas	0.065	0.0004	74.00	0.0035	0.0001638
Se	78	2	H2	0.037	0.0002	6.00	0.0035	8.664E-05
Se	78	2	H2	0.017	0.0001	4.00	0.0035	8.664E-05
Se	78	2	H2	0.01	0.0001	3.33	0.0035	8.664E-05
Na	23	3	He	9.296	1.0076	5281.11	0.0216	0.8064
Na	23	3	He	11.131	1.0473	5311.15	0.0216	0.8064
Na	23	3	He	16.083	1.1545	5231.09	0.0216	0.8064
Mg	24	3	He	-0.567	0.0992	520.03	0.0109	0.1054
Mg	24	3	He	0.282	0.1085	550.03	0.0109	0.1054
Mg	24	3	He	5.522	0.1655	750.04	0.0109	0.1054
Al	27	3	He	-1.428	0.0038	20.00	0.0037	0.009095
Al	27	3	He	-0.86	0.0059	30.00	0.0037	0.009095
Al	27	3	He	-1.266	0.0044	20.00	0.0037	0.009095
K	39	3	He	-3.696	1.2921	6771.78	0.0099	1.328
K	39	3	He	-4.906	1.2801	6491.67	0.0099	1.328
K	39	3	He	-0.62	1.3224	5991.42	0.0099	1.328
Ca	44	3	He	-3.668	0.0041	50.00	0.0002	0.004867
Ca	44	3	He	-7.33	0.0033	40.00	0.0002	0.004867
Ca	44	3	He	3.796	0.0057	70.00	0.0002	0.004867
Ti	47	3	He	0.467	0.001	10.00	0.002	0
Ti	47	3	He	1.454	0.003	30.00	0.002	0
Ti	47	3	He	0.931	0.0019	20.00	0.002	0
V	51	3	He	-0.009	0.0389	204.00	0.1638	0.04039
V	51	3	He	0.062	0.0505	256.00	0.1638	0.04039
V	51	3	He	0.093	0.0556	252.00	0.1638	0.04039
Cr	52	3	He	0.047	0.0885	930.05	0.1041	0.08357
Cr	52	3	He	-0.148	0.0682	690.04	0.1041	0.08357
Cr	52	3	He	0.045	0.0882	930.07	0.1041	0.08357
Mn	55	3	He	0.057	0.0105	110.00	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.24	0.0198	200.01	0.0509	0.00756
Mn	55	3	He	-0.018	0.0066	70.00	0.0509	0.00756
Fe	57	3	He	-2.505	0.0134	70.00	0.0041	0.02373
Fe	57	3	He	-0.015	0.0237	120.01	0.0041	0.02373
Fe	57	3	He	-2	0.0154	70.00	0.0041	0.02373
Co	59	3	He	0.022	0.0143	150.01	0.1966	0.009981
Co	59	3	He	0.035	0.0168	170.01	0.1966	0.009981
Co	59	3	He	0.022	0.0142	150.01	0.1966	0.009981
Ni	60	3	He	-0.04	0.0171	210.01	0.0432	0.01878
Ni	60	3	He	-0.076	0.0155	190.01	0.0432	0.01878
Ni	60	3	He	-0.096	0.0147	180.01	0.0432	0.01878
Cu	63	3	He	0.029	0.0154	190.01	0.1222	0.01194
Cu	63	3	He	0.069	0.0204	250.01	0.1222	0.01194
Cu	63	3	He	0.036	0.0163	200.01	0.1222	0.01194
Zn	66	3	He	0.077	0.0041	50.00	0.0159	0.002839
Zn	66	3	He	0.231	0.0065	80.00	0.0159	0.002839
Zn	66	3	He	0.077	0.0041	50.00	0.0159	0.002839
As	75	3	He	0.124	0.0026	32.00	0.0132	0.0009658
As	75	3	He	0.149	0.0029	36.00	0.0132	0.0009658
As	75	3	He	0.087	0.0021	26.00	0.0132	0.0009658
Sr	88	3	He	0.003	0.0057	60.00	0.0864	0.005458
Sr	88	3	He	-0.029	0.003	30.00	0.0864	0.005458
Sr	88	3	He	0.058	0.0104	110.00	0.0864	0.005458
Mo	98	3	He	0.002	0.002	110.01	0.0303	0.001942
Mo	98	3	He	0.026	0.0027	150.01	0.0303	0.001942
Mo	98	3	He	-0.016	0.0015	80.00	0.0303	0.001942
Ag	107	3	He	0.004	0.0038	40.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Ag	107	3	He	0.001	0.0028	30.00	0.3501	0.002425
Cd	111	3	He	0.015	0.0008	8.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Sn	120	3	He	0.087	0.0386	2120.24	0.0284	0.03615
Sn	120	3	He	0.114	0.0394	2160.25	0.0284	0.03615
Sn	120	3	He	-0.011	0.0358	1950.21	0.0284	0.03615
Sb	121	3	He	0.046	0.002	110.00	0.0262	0.000803
Sb	121	3	He	0.144	0.0046	250.01	0.0262	0.000803
Sb	121	3	He	0.131	0.0042	230.01	0.0262	0.000803
Ba	137	3	He	0.111	0.0018	100.00	0.0098	0.0007342
Ba	137	3	He	0.092	0.0016	90.00	0.0098	0.0007342
Ba	137	3	He	0.075	0.0015	80.00	0.0098	0.0007342
Tl	205	3	He	0.014	0.0055	300.01	0.1945	0.002744
Tl	205	3	He	0.005	0.0036	200.01	0.1945	0.002744
Tl	205	3	He	0.017	0.0061	330.02	0.1945	0.002744
Pb	208	3	He	0.005	0.0076	220.01	0.2651	0.006358
Pb	208	3	He	0.006	0.008	230.01	0.2651	0.006358
Pb	208	3	He	0.006	0.0079	240.01	0.2651	0.006358
U	238	3	He	0.007	0.0025	140.01	0.3022	0.0005338
U	238	3	He	0.004	0.0018	100.00	0.3022	0.0005338
U	238	3	He	0.005	0.002	110.00	0.3022	0.0005338
Sc	45	1	No Gas			188934.31		
Sc	45	1	No Gas			191240.54		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			189477.36		
Ge	72	1	No Gas			121482.60		
Ge	72	1	No Gas			121795.38		
Ge	72	1	No Gas			120353.44		
Sc	45	2	H2			34752.58		
Sc	45	2	H2			34171.27		
Sc	45	2	H2			35955.14		
Ge	72	2	H2			27397.40		
Ge	72	2	H2			27466.99		
Ge	72	2	H2			27567.24		
In	115	2	H2			66569.75		
In	115	2	H2			67223.06		
In	115	2	H2			68931.05		
Sc	45	3	He			5241.09		
Sc	45	3	He			5071.08		
Sc	45	3	He			4530.86		
Ge	72	3	He			10514.24		
Ge	72	3	He			10123.87		
Ge	72	3	He			10544.21		
In	115	3	He			12315.88		
In	115	3	He			12275.91		
In	115	3	He			12295.80		
Tb	159	3	He			54912.63		
Tb	159	3	He			54852.31		
Tb	159	3	He			54430.49		
Bi	209	3	He			45359.57		
Bi	209	3	He			45530.60		
Bi	209	3	He			46032.00		

Quantitation Report

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Acq Time	6/12/2025 7:18:05 PM
Sample Name	LB 410-654774/1-D
Sample Type	Sample
Comment	D8
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

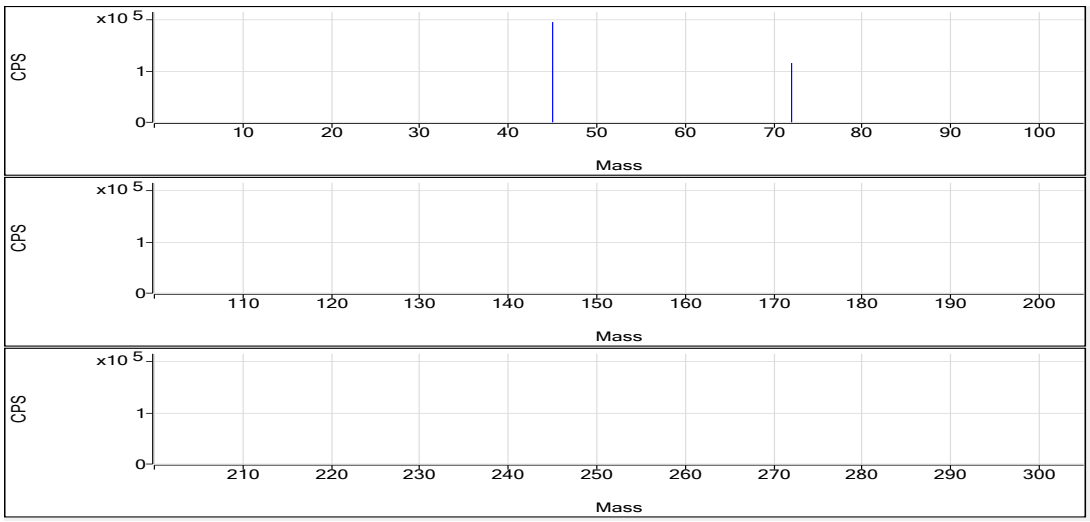
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.045	ppb	22.0	62.67	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.008	ppb	89.9	3.11	0.0001	Pulse	1.5000	3
Na	23	45	He	116891.112	ppb	6.0	12836887.73	2 531.0604	Analog	0.1000	3
Mg	24	45	He	2.612	ppb	87.5	676.70	0.1338	Pulse	0.1000	3
Al	27	45	He	4.243	ppb	22.5	126.67	0.0248	Pulse	0.1000	3
K	39	45	He	-5.447	ppb	N/A	6474.98	1.2748	Pulse	0.1000	3
Ca	44	115	He	-0.170	ppb	N/A	63.33	0.0048	Pulse	0.1000	3
Ti	47	72	He	0.498	ppb	2.7	10.00	0.0010	Pulse	0.1000	3
V	51	45	He	-0.047	ppb	N/A	164.67	0.0327	Pulse	0.5000	3
Cr	52	72	He	-0.184	ppb	N/A	633.37	0.0645	Pulse	0.1000	3
Mn	55	72	He	0.178	ppb	17.5	163.34	0.0166	Pulse	0.1000	3
Fe	57	45	He	-0.793	ppb	N/A	103.34	0.0204	Pulse	0.1000	3
Co	59	72	He	0.014	ppb	114.5	126.67	0.0128	Pulse	0.1000	3
Ni	60	115	He	-0.028	ppb	N/A	230.01	0.0176	Pulse	0.1000	3
Cu	63	115	He	0.215	ppb	22.6	496.69	0.0382	Pulse	0.1000	3
Zn	66	115	He	1.601	ppb	2.8	370.02	0.0284	Pulse	0.1000	3
As	75	115	He	0.120	ppb	36.2	33.33	0.0026	Pulse	0.5000	3
Sr	88	72	He	0.035	ppb	91.1	83.33	0.0085	Pulse	0.1000	3
Mo	98	159	He	-0.004	ppb	N/A	103.34	0.0018	Pulse	0.1000	3
Ag	107	72	He	-0.001	ppb	N/A	20.00	0.0020	Pulse	0.1000	3
Cd	111	72	He	0.003	ppb	150.7	2.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	0.443	ppb	27.8	2753.71	0.0487	Pulse	0.1000	3
Sb	121	159	He	0.057	ppb	58.1	130.01	0.0023	Pulse	0.1000	3
Ba	137	159	He	0.513	ppb	32.4	326.68	0.0058	Pulse	0.1000	3
Tl	205	159	He	-0.003	ppb	N/A	123.34	0.0022	Pulse	0.1000	3
Pb	208	159	He	0.024	ppb	4.4	716.70	0.0127	Pulse	0.1000	3
U	238	159	He	0.002	ppb	41.5	56.67	0.0010	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	195819.17	2.4	106.8	Pulse	0.1000	3
No Gas	Ge	72	115823.14	1.1	103.4	Pulse	0.1000	3
H2	Sc	45	36152.55	2.0	106.6	Pulse	0.1000	3
H2	Ge	72	26638.92	1.5	103.0	Pulse	0.1000	3
H2	In	115	70473.02	1.4	110.2	Pulse	0.1000	3
He	Sc	45	5084.40	6.3	106.9	Pulse	0.1000	3
He	Ge	72	9850.38	2.7	101.2	Pulse	0.1000	3
He	In	115	13040.32	2.9	111.3	Pulse	0.1000	3
He	Tb	159	56499.29	1.4	113.2	Pulse	0.1000	3
He	Bi	209	47346.49	2.6	115.8	Pulse	0.1000	3

No Gas



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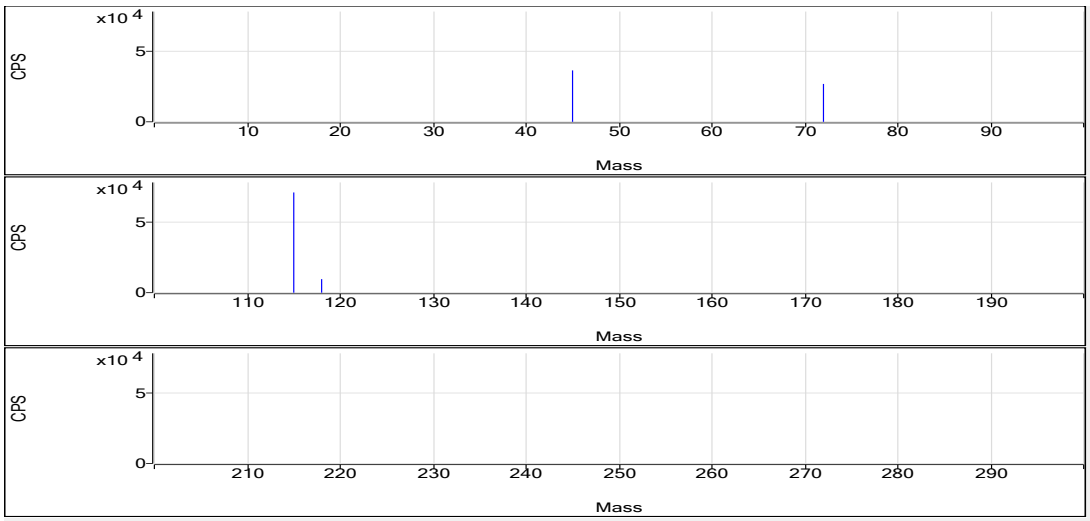
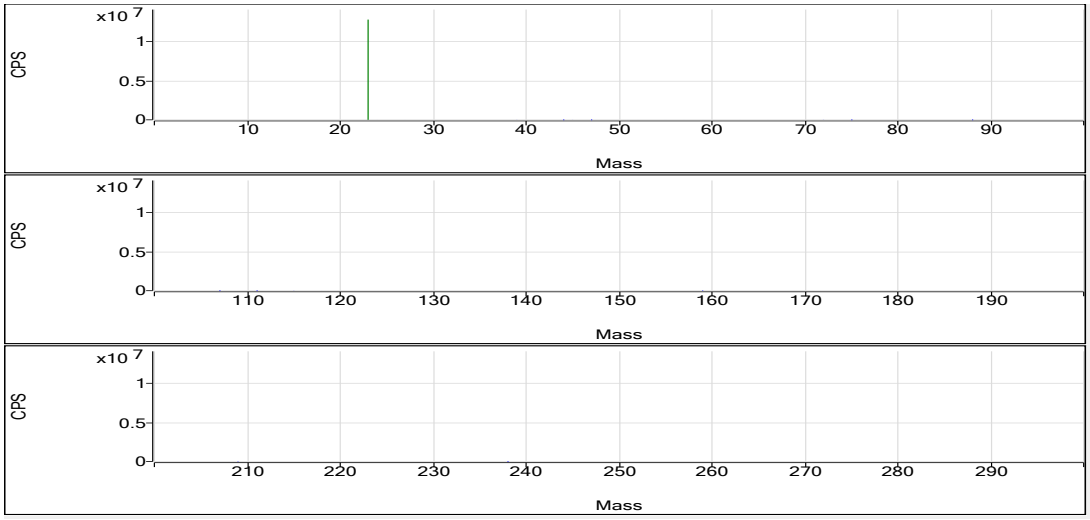


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.034	0.0003	54.00	0.0035	0.0001638
Be	9	1	No Gas	0.053	0.0003	70.00	0.0035	0.0001638
Be	9	1	No Gas	0.047	0.0003	64.00	0.0035	0.0001638
Se	78	2	H2	0.004	0.0001	2.67	0.0035	8.664E-05
Se	78	2	H2	0.004	0.0001	2.67	0.0035	8.664E-05
Se	78	2	H2	0.017	0.0001	4.00	0.0035	8.664E-05
Na	23	3	He	109803.587	2377.6421	12913473.56	0.0216	0.8064
Na	23	3	He	123861.287	2681.9386	12875879.81	0.0216	0.8064
Na	23	3	He	117008.46	2533.6006	12721309.81	0.0216	0.8064
Mg	24	3	He	1.481	0.1215	660.04	0.0109	0.1054
Mg	24	3	He	5.241	0.1625	780.04	0.0109	0.1054
Mg	24	3	He	1.113	0.1175	590.03	0.0109	0.1054
Al	27	3	He	5.011	0.0276	150.01	0.0037	0.009095
Al	27	3	He	3.174	0.0208	100.00	0.0037	0.009095
Al	27	3	He	4.544	0.0259	130.01	0.0037	0.009095
K	39	3	He	-7.165	1.2579	6831.79	0.0099	1.328
K	39	3	He	0.502	1.3334	6401.65	0.0099	1.328
K	39	3	He	-9.679	1.2331	6191.50	0.0099	1.328
Ca	44	3	He	5.01	0.006	80.00	0.0002	0.004867
Ca	44	3	He	-7.799	0.0032	40.00	0.0002	0.004867
Ca	44	3	He	2.279	0.0054	70.00	0.0002	0.004867
Ti	47	3	He	0.484	0.001	10.00	0.002	0
Ti	47	3	He	0.501	0.001	10.00	0.002	0
Ti	47	3	He	0.51	0.001	10.00	0.002	0
V	51	3	He	-0.094	0.025	136.00	0.1638	0.04039
V	51	3	He	0.013	0.0425	204.00	0.1638	0.04039
V	51	3	He	-0.059	0.0307	154.00	0.1638	0.04039
Cr	52	3	He	-0.244	0.0582	590.03	0.1041	0.08357
Cr	52	3	He	-0.244	0.0582	570.04	0.1041	0.08357
Cr	52	3	He	-0.063	0.077	740.05	0.1041	0.08357
Mn	55	3	He	0.142	0.0148	150.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.193	0.0174	170.01	0.0509	0.00756
Mn	55	3	He	0.199	0.0177	170.01	0.0509	0.00756
Fe	57	3	He	-1.284	0.0184	100.00	0.0041	0.02373
Fe	57	3	He	0.307	0.025	120.01	0.0041	0.02373
Fe	57	3	He	-1.402	0.0179	90.00	0.0041	0.02373
Co	59	3	He	0.029	0.0158	160.01	0.1966	0.009981
Co	59	3	He	0.017	0.0133	130.01	0.1966	0.009981
Co	59	3	He	-0.003	0.0094	90.00	0.1966	0.009981
Ni	60	3	He	0.049	0.0209	280.01	0.0432	0.01878
Ni	60	3	He	-0.142	0.0126	160.01	0.0432	0.01878
Ni	60	3	He	0.009	0.0192	250.01	0.0432	0.01878
Cu	63	3	He	0.183	0.0343	460.02	0.1222	0.01194
Cu	63	3	He	0.271	0.045	570.03	0.1222	0.01194
Cu	63	3	He	0.191	0.0353	460.02	0.1222	0.01194
Zn	66	3	He	1.645	0.0291	390.02	0.0159	0.002839
Zn	66	3	He	1.555	0.0276	350.02	0.0159	0.002839
Zn	66	3	He	1.601	0.0284	370.02	0.0159	0.002839
As	75	3	He	0.096	0.0022	30.00	0.0132	0.0009658
As	75	3	He	0.094	0.0022	28.00	0.0132	0.0009658
As	75	3	He	0.17	0.0032	42.00	0.0132	0.0009658
Sr	88	3	He	0.005	0.0059	60.00	0.0864	0.005458
Sr	88	3	He	0.031	0.0082	80.00	0.0864	0.005458
Sr	88	3	He	0.069	0.0114	110.00	0.0864	0.005458
Mo	98	3	He	0.001	0.002	110.01	0.0303	0.001942
Mo	98	3	He	-0.012	0.0016	90.00	0.0303	0.001942
Mo	98	3	He	0	0.0019	110.00	0.0303	0.001942
Ag	107	3	He	0.004	0.0039	40.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Sn	120	3	He	0.436	0.0485	2700.36	0.0284	0.03615
Sn	120	3	He	0.324	0.0454	2590.33	0.0284	0.03615
Sn	120	3	He	0.57	0.0523	2970.43	0.0284	0.03615
Sb	121	3	He	0.024	0.0014	80.00	0.0262	0.000803
Sb	121	3	He	0.056	0.0023	130.01	0.0262	0.000803
Sb	121	3	He	0.091	0.0032	180.01	0.0262	0.000803
Ba	137	3	He	0.346	0.0041	230.01	0.0098	0.0007342
Ba	137	3	He	0.513	0.0058	330.02	0.0098	0.0007342
Ba	137	3	He	0.678	0.0074	420.02	0.0098	0.0007342
Tl	205	3	He	-0.005	0.0018	100.00	0.1945	0.002744
Tl	205	3	He	-0.001	0.0026	150.01	0.1945	0.002744
Tl	205	3	He	-0.003	0.0021	120.00	0.1945	0.002744
Pb	208	3	He	0.023	0.0124	380.02	0.2651	0.006358
Pb	208	3	He	0.025	0.013	350.02	0.2651	0.006358
Pb	208	3	He	0.024	0.0127	410.02	0.2651	0.006358
U	238	3	He	0.001	0.0009	50.00	0.3022	0.0005338
U	238	3	He	0.002	0.0012	70.00	0.3022	0.0005338
U	238	3	He	0.001	0.0009	50.00	0.3022	0.0005338
Sc	45	1	No Gas			191737.36		
Sc	45	1	No Gas			200952.01		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			194768.14		
Ge	72	1	No Gas			116522.48		
Ge	72	1	No Gas			116612.86		
Ge	72	1	No Gas			114334.07		
Sc	45	2	H2			36767.37		
Sc	45	2	H2			35373.75		
Sc	45	2	H2			36316.54		
Ge	72	2	H2			26525.17		
Ge	72	2	H2			26314.87		
Ge	72	2	H2			27076.71		
In	115	2	H2			71495.15		
In	115	2	H2			69565.45		
In	115	2	H2			70358.45		
Sc	45	3	He			5431.21		
Sc	45	3	He			4800.96		
Sc	45	3	He			5021.04		
Ge	72	3	He			10143.93		
Ge	72	3	He			9793.63		
Ge	72	3	He			9613.59		
In	115	3	He			13427.15		
In	115	3	He			12676.25		
In	115	3	He			13056.50		
Tb	159	3	He			55635.57		
Tb	159	3	He			57112.16		
Tb	159	3	He			56750.14		
Bi	209	3	He			46041.56		
Bi	209	3	He			47476.86		
Bi	209	3	He			48521.05		

Quantitation Report

Data File Name	091SMPL.d
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\25F12B00.b
Acq Time	6/12/2025 7:20:07 PM
Sample Name	410-226211-C-2-K
Sample Type	Sample
Comment	D8
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

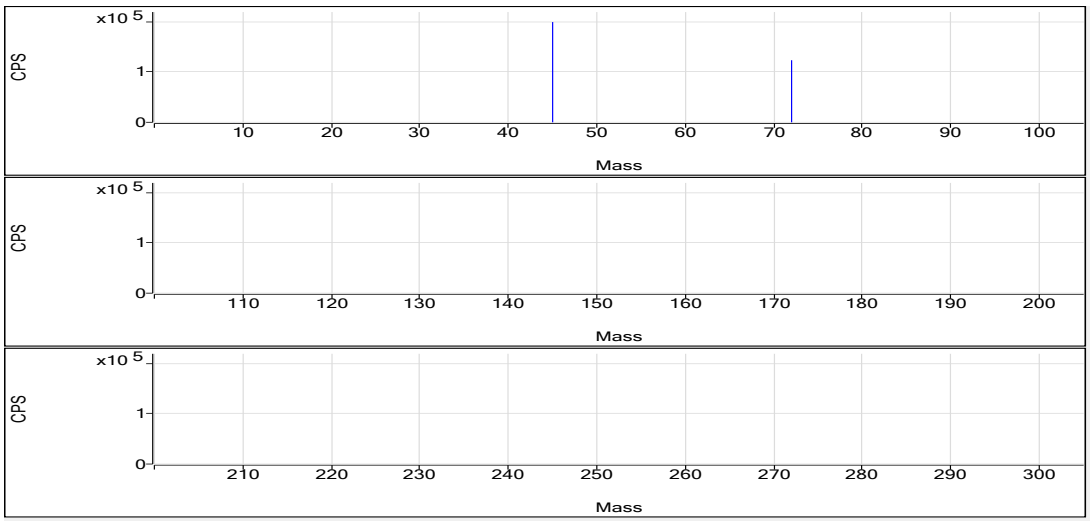
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.037	ppb	39.4	58.67	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.049	ppb	20.6	7.33	0.0003	Pulse	1.5000	3
Na	23	45	He	115222.635	ppb	3.6	12919431.06	2 494.9441	Analog	0.1000	3
Mg	24	45	He	212.941	ppb	1.7	12565.74	2.4247	Pulse	0.1000	3
Al	27	45	He	-0.172	ppb	N/A	43.33	0.0085	Pulse	0.1000	3
K	39	45	He	534.664	ppb	5.9	34147.30	6.5956	Pulse	0.1000	3
Ca	44	115	He	61718.317	ppb	3.6	175461.38	13.5219	Pulse	0.1000	3
Ti	47	72	He	0.633	ppb	86.6	13.33	0.0013	Pulse	0.1000	3
V	51	45	He	1.674	ppb	4.7	1628.77	0.3146	Pulse	0.5000	3
Cr	52	72	He	0.894	ppb	8.2	1826.86	0.1767	Pulse	0.1000	3
Mn	55	72	He	0.143	ppb	10.0	153.34	0.0148	Pulse	0.1000	3
Fe	57	45	He	4.399	ppb	42.2	216.68	0.0419	Pulse	0.1000	3
Co	59	72	He	0.092	ppb	38.9	290.01	0.0281	Pulse	0.1000	3
Ni	60	115	He	0.147	ppb	72.7	326.68	0.0251	Pulse	0.1000	3
Cu	63	115	He	0.842	ppb	13.6	1486.81	0.1148	Pulse	0.1000	3
Zn	66	115	He	0.998	ppb	19.5	243.35	0.0188	Pulse	0.1000	3
As	75	115	He	1.216	ppb	7.6	222.00	0.0171	Pulse	0.5000	3
Sr	88	72	He	68.529	ppb	1.7	61279.86	5.9248	Pulse	0.1000	3
Mo	98	159	He	0.403	ppb	10.0	806.72	0.0142	Pulse	0.1000	3
Ag	107	72	He	0.003	ppb	179.7	36.67	0.0035	Pulse	0.1000	3
Cd	111	72	He	0.007	ppb	105.5	4.00	0.0004	Pulse	0.5000	3
Sn	120	159	He	0.101	ppb	144.3	2223.59	0.0390	Pulse	0.1000	3
Sb	121	159	He	0.126	ppb	10.4	233.34	0.0041	Pulse	0.1000	3
Ba	137	159	He	26.845	ppb	1.0	15078.76	0.2645	Pulse	0.1000	3
Tl	205	159	He	-0.004	ppb	N/A	110.00	0.0019	Pulse	0.1000	3
Pb	208	159	He	-0.004	ppb	N/A	296.67	0.0052	Pulse	0.1000	3
U	238	159	He	0.001	ppb	208.1	40.00	0.0007	Pulse	0.1000	3

ISTD Table:

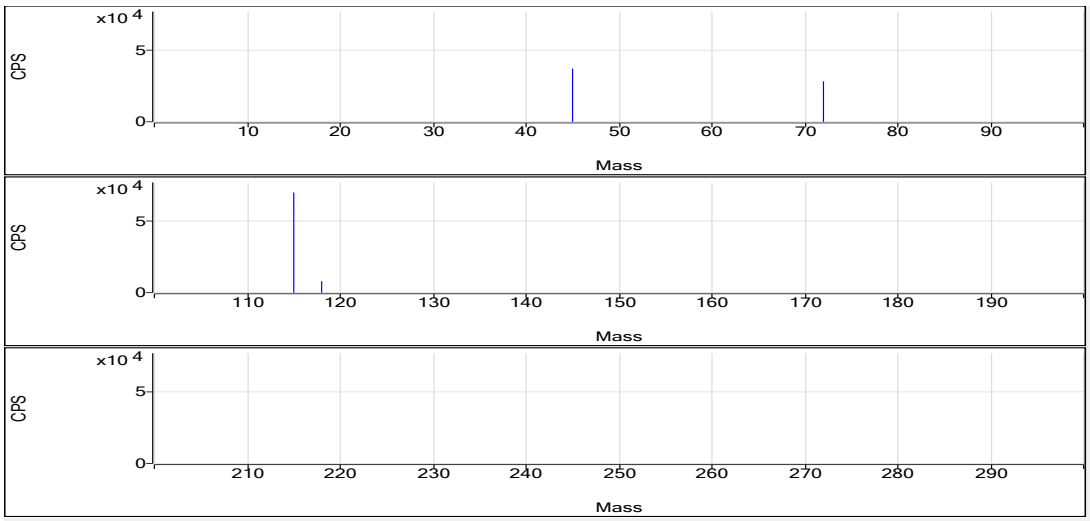
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	199330.20	1.3	108.8	Pulse	0.1000	3
No Gas	Ge	72	123470.05	1.4	110.3	Pulse	0.1000	3
H2	Sc	45	37174.93	1.9	109.6	Pulse	0.1000	3
H2	Ge	72	28325.57	2.4	109.5	Pulse	0.1000	3
H2	In	115	70057.12	1.2	109.6	Pulse	0.1000	3
He	Sc	45	5181.10	2.5	109.0	Pulse	0.1000	3
He	Ge	72	10344.08	1.2	106.3	Pulse	0.1000	3
He	In	115	12988.61	4.1	110.9	Pulse	0.1000	3
He	Tb	159	57004.17	0.6	114.3	Pulse	0.1000	3
He	Bi	209	48282.97	1.7	118.1	Pulse	0.1000	3

No Gas

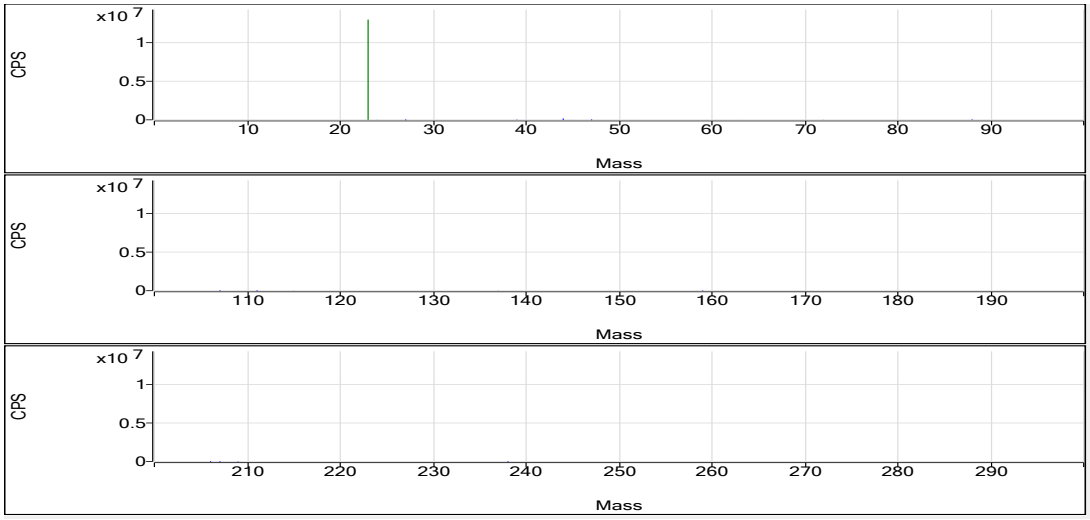


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.052	0.0003	70.00	0.0035	0.0001638
Be	9	1	No Gas	0.037	0.0003	58.00	0.0035	0.0001638
Be	9	1	No Gas	0.023	0.0002	48.00	0.0035	0.0001638
Se	78	2	H2	0.037	0.0002	6.00	0.0035	8.664E-05
Se	78	2	H2	0.054	0.0003	8.00	0.0035	8.664E-05
Se	78	2	H2	0.055	0.0003	8.00	0.0035	8.664E-05
Na	23	3	He	119247.051	2582.0577	13171308.55	0.0216	0.8064
Na	23	3	He	115507.449	2501.1093	12783369.81	0.0216	0.8064
Na	23	3	He	110913.403	2401.6655	12803614.81	0.0216	0.8064
Mg	24	3	He	211.809	2.4123	12305.52	0.0109	0.1054
Mg	24	3	He	209.939	2.392	12225.48	0.0109	0.1054
Mg	24	3	He	217.075	2.4697	13166.23	0.0109	0.1054
Al	27	3	He	1.252	0.0137	70.00	0.0037	0.009095
Al	27	3	He	0.186	0.0098	50.00	0.0037	0.009095
Al	27	3	He	-1.953	0.0019	10.00	0.0037	0.009095
K	39	3	He	562.879	6.8736	35062.77	0.0099	1.328
K	39	3	He	540.216	6.6503	33990.35	0.0099	1.328
K	39	3	He	500.896	6.263	33388.79	0.0099	1.328
Ca	44	3	He	61476.175	13.4688	177336.56	0.0002	0.004867
Ca	44	3	He	64023.477	14.0267	173714.45	0.0002	0.004867
Ca	44	3	He	59655.299	13.07	175333.14	0.0002	0.004867
Ti	47	3	He	0.939	0.0019	20.00	0.002	0
Ti	47	3	He	0.961	0.002	20.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	1.75	0.327	1668.10	0.1638	0.04039
V	51	3	He	1.679	0.3154	1612.10	0.1638	0.04039
V	51	3	He	1.592	0.3013	1606.10	0.1638	0.04039
Cr	52	3	He	0.833	0.1703	1780.18	0.1041	0.08357
Cr	52	3	He	0.975	0.1851	1890.21	0.1041	0.08357
Cr	52	3	He	0.875	0.1747	1810.18	0.1041	0.08357
Mn	55	3	He	0.133	0.0143	150.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.159	0.0157	160.01	0.0509	0.00756
Mn	55	3	He	0.136	0.0145	150.01	0.0509	0.00756
Fe	57	3	He	6.107	0.049	250.01	0.0041	0.02373
Fe	57	3	He	4.666	0.043	220.01	0.0041	0.02373
Fe	57	3	He	2.425	0.0338	180.01	0.0041	0.02373
Co	59	3	He	0.071	0.0239	250.01	0.1966	0.009981
Co	59	3	He	0.133	0.0362	370.02	0.1966	0.009981
Co	59	3	He	0.072	0.0241	250.01	0.1966	0.009981
Ni	60	3	He	0.269	0.0304	400.02	0.0432	0.01878
Ni	60	3	He	0.108	0.0234	290.02	0.0432	0.01878
Ni	60	3	He	0.066	0.0216	290.01	0.0432	0.01878
Cu	63	3	He	0.86	0.117	1540.16	0.1222	0.01194
Cu	63	3	He	0.947	0.1276	1580.14	0.1222	0.01194
Cu	63	3	He	0.72	0.0999	1340.12	0.1222	0.01194
Zn	66	3	He	0.775	0.0152	200.01	0.0159	0.002839
Zn	66	3	He	1.088	0.0202	250.02	0.0159	0.002839
Zn	66	3	He	1.131	0.0209	280.01	0.0159	0.002839
As	75	3	He	1.166	0.0164	216.00	0.0132	0.0009658
As	75	3	He	1.159	0.0163	202.00	0.0132	0.0009658
As	75	3	He	1.324	0.0185	248.00	0.0132	0.0009658
Sr	88	3	He	68.013	5.8803	61473.72	0.0864	0.005458
Sr	88	3	He	69.877	6.0413	61705.40	0.0864	0.005458
Sr	88	3	He	67.697	5.853	60660.47	0.0864	0.005458
Mo	98	3	He	0.425	0.0148	840.05	0.0303	0.001942
Mo	98	3	He	0.427	0.0149	850.06	0.0303	0.001942
Mo	98	3	He	0.356	0.0128	730.06	0.0303	0.001942
Ag	107	3	He	0.001	0.0029	30.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Ag	107	3	He	0.01	0.0058	60.00	0.3501	0.002425
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.015	0.0008	8.00	0.0454	6.986E-05
Sn	120	3	He	0.182	0.0413	2340.29	0.0284	0.03615
Sn	120	3	He	0.188	0.0415	2370.28	0.0284	0.03615
Sn	120	3	He	-0.067	0.0342	1960.19	0.0284	0.03615
Sb	121	3	He	0.111	0.0037	210.01	0.0262	0.000803
Sb	121	3	He	0.13	0.0042	240.01	0.0262	0.000803
Sb	121	3	He	0.136	0.0044	250.01	0.0262	0.000803
Ba	137	3	He	27.156	0.2676	15158.78	0.0098	0.0007342
Ba	137	3	He	26.615	0.2623	14978.68	0.0098	0.0007342
Ba	137	3	He	26.763	0.2637	15098.82	0.0098	0.0007342
Tl	205	3	He	-0.005	0.0018	100.00	0.1945	0.002744
Tl	205	3	He	-0.003	0.0021	120.01	0.1945	0.002744
Tl	205	3	He	-0.004	0.0019	110.00	0.1945	0.002744
Pb	208	3	He	-0.003	0.0055	170.01	0.2651	0.006358
Pb	208	3	He	-0.007	0.0044	80.00	0.2651	0.006358
Pb	208	3	He	-0.002	0.0058	130.01	0.2651	0.006358
U	238	3	He	0.001	0.0007	40.00	0.3022	0.0005338
U	238	3	He	-0.001	0.0004	20.00	0.3022	0.0005338
U	238	3	He	0.002	0.001	60.00	0.3022	0.0005338
Sc	45	1	No Gas			202248.14		
Sc	45	1	No Gas			198672.42		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			197070.04		
Ge	72	1	No Gas			121754.69		
Ge	72	1	No Gas			123520.77		
Ge	72	1	No Gas			125134.69		
Sc	45	2	H2			36847.63		
Sc	45	2	H2			37970.15		
Sc	45	2	H2			36707.01		
Ge	72	2	H2			27567.41		
Ge	72	2	H2			28900.20		
Ge	72	2	H2			28509.09		
In	115	2	H2			69302.71		
In	115	2	H2			69946.46		
In	115	2	H2			70922.19		
Sc	45	3	He			5101.09		
Sc	45	3	He			5111.08		
Sc	45	3	He			5331.14		
Ge	72	3	He			10454.22		
Ge	72	3	He			10213.98		
Ge	72	3	He			10364.05		
In	115	3	He			13176.65		
In	115	3	He			12395.92		
In	115	3	He			13426.82		
Tb	159	3	He			56649.15		
Tb	159	3	He			57111.09		
Tb	159	3	He			57252.26		
Bi	209	3	He			47336.54		
Bi	209	3	He			48640.81		
Bi	209	3	He			48871.56		

Quantitation Report

Data File Name	092SMPL.d
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Sample Name	410-226211-C-2-L MS@10
Sample Type	Sample
Comment	D8
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

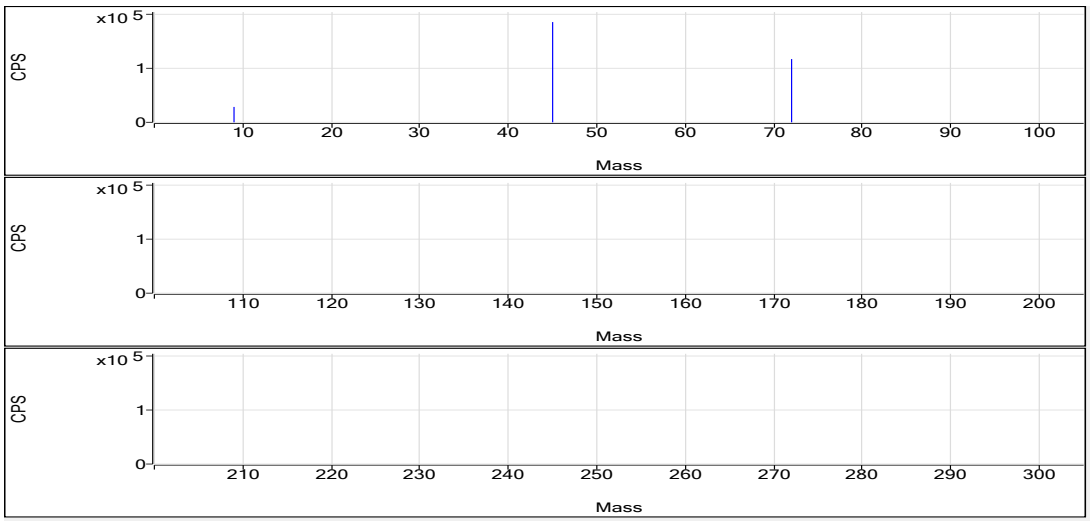
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	44.076	ppb	2.0	28541.17	0.1533	Pulse	0.5000	3
Se	78	72	H2	8.938	ppb	3.5	868.03	0.0316	Pulse	1.5000	3
Na	23	45	He	13593.531	ppb	3.8	1425118.36	295.0553	Pulse	0.1000	3
Mg	24	45	He	466.185	ppb	4.9	25028.53	5.1829	Pulse	0.1000	3
Al	27	45	He	83.405	ppb	6.8	1533.46	0.3174	Pulse	0.1000	3
K	39	45	He	504.870	ppb	7.1	30425.82	6.3021	Pulse	0.1000	3
Ca	44	115	He	5752.458	ppb	5.0	17964.96	1.2647	Pulse	0.1000	3
Ti	47	72	He	87.110	ppb	11.3	1786.83	0.1775	Pulse	0.1000	3
V	51	45	He	45.483	ppb	3.6	36186.93	7.4919	Pulse	0.5000	3
Cr	52	72	He	43.160	ppb	7.2	46094.28	4.5775	Pulse	0.1000	3
Mn	55	72	He	42.814	ppb	4.5	22034.15	2.1862	Pulse	0.1000	3
Fe	57	45	He	48.483	ppb	8.5	1086.74	0.2244	Pulse	0.1000	3
Co	59	72	He	43.371	ppb	6.4	86003.71	8.5388	Pulse	0.1000	3
Ni	60	115	He	38.243	ppb	1.5	23726.95	1.6692	Pulse	0.1000	3
Cu	63	115	He	38.711	ppb	2.3	67368.09	4.7410	Pulse	0.1000	3
Zn	66	115	He	40.557	ppb	4.4	9229.91	0.6495	Pulse	0.1000	3
As	75	115	He	39.018	ppb	4.1	7351.94	0.5175	Pulse	0.5000	3
Sr	88	72	He	48.684	ppb	5.2	42431.25	4.2107	Pulse	0.1000	3
Mo	98	159	He	89.894	ppb	2.3	146514.19	2.7286	Pulse	0.1000	3
Ag	107	72	He	38.397	ppb	4.9	135517.21	13.4469	Pulse	0.1000	3
Cd	111	72	He	8.649	ppb	1.8	3962.59	0.3928	Pulse	0.5000	3
Sn	120	159	He	450.227	ppb	2.1	689125.66	12.8344	Pulse	0.1000	3
Sb	121	159	He	44.498	ppb	3.5	62511.88	1.1645	Pulse	0.1000	3
Ba	137	159	He	893.454	ppb	1.8	471471.27	8.7805	Pulse	0.1000	3
Tl	205	159	He	47.106	ppb	3.9	491981.22	9.1644	Pulse	0.1000	3
Pb	208	159	He	46.797	ppb	3.4	666475.54	12.4138	Pulse	0.1000	3
U	238	159	He	0.001	ppb	82.2	43.33	0.0008	Pulse	0.1000	3

ISTD Table:

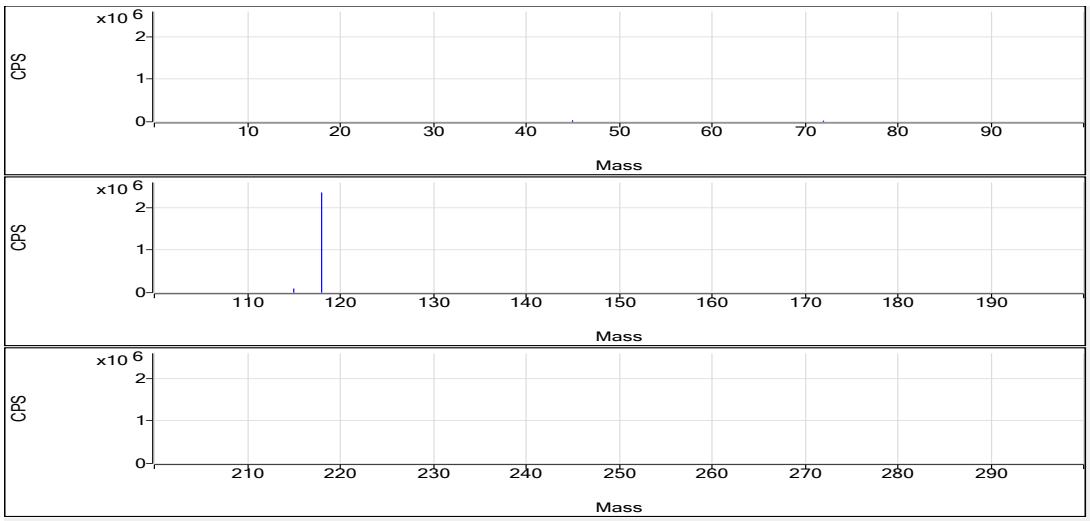
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	186190.00	2.8	101.6	Pulse	0.1000	3
No Gas	Ge	72	117459.68	0.6	104.9	Pulse	0.1000	3
H2	Sc	45	35567.58	2.9	104.9	Pulse	0.1000	3
H2	Ge	72	27427.22	2.2	106.0	Pulse	0.1000	3
H2	In	115	97605.72	1.1	152.7	Pulse	0.1000	3
He	Sc	45	4834.30	3.6	101.7	Pulse	0.1000	3
He	Ge	72	10093.98	5.1	103.7	Pulse	0.1000	3
He	In	115	14214.62	2.3	121.4	Pulse	0.1000	3
He	Tb	159	53707.52	1.9	107.7	Pulse	0.1000	3
He	Bi	209	46312.87	3.0	113.3	Pulse	0.1000	3

No Gas

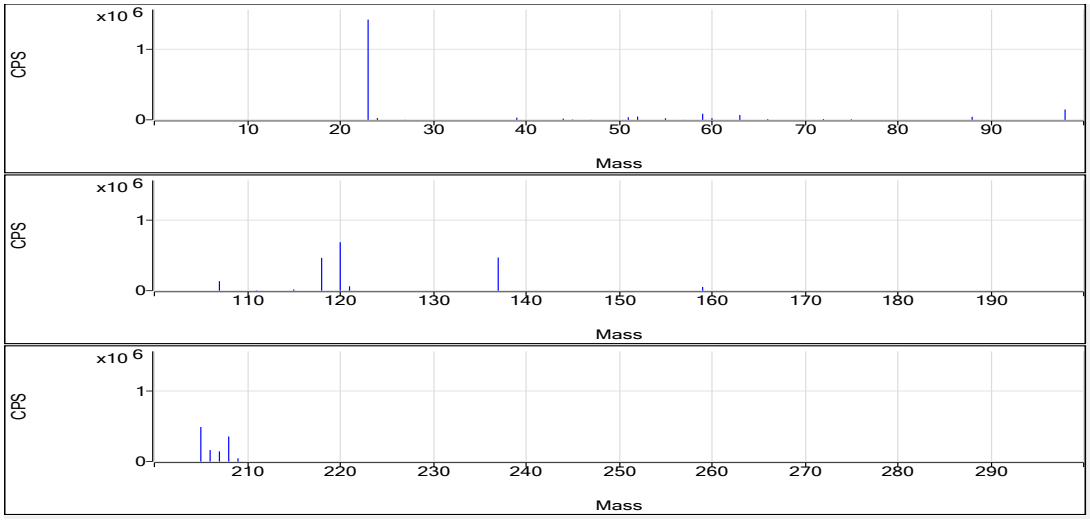


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	43.116	0.15	28823.71	0.0035	0.0001638
Be	9	1	No Gas	44.263	0.154	28286.65	0.0035	0.0001638
Be	9	1	No Gas	44.85	0.156	28513.16	0.0035	0.0001638
Se	78	2	H2	9.26	0.0328	898.70	0.0035	8.664E-05
Se	78	2	H2	8.644	0.0306	820.69	0.0035	8.664E-05
Se	78	2	H2	8.91	0.0315	884.70	0.0035	8.664E-05
Na	23	3	He	14073.998	305.4557	1429804.35	0.0216	0.8064
Na	23	3	He	13648.66	296.2487	1422281.07	0.0216	0.8064
Na	23	3	He	13057.934	283.4617	1423269.67	0.0216	0.8064
Mg	24	3	He	490.75	5.4504	25512.88	0.0109	0.1054
Mg	24	3	He	462.137	5.1388	24671.20	0.0109	0.1054
Mg	24	3	He	445.67	4.9594	24901.50	0.0109	0.1054
Al	27	3	He	89.431	0.3397	1590.14	0.0037	0.009095
Al	27	3	He	78.117	0.2979	1430.12	0.0037	0.009095
Al	27	3	He	82.667	0.3147	1580.13	0.0037	0.009095
K	39	3	He	538.579	6.6342	31053.94	0.0099	1.328
K	39	3	He	508.812	6.3409	30442.71	0.0099	1.328
K	39	3	He	467.22	5.9312	29780.80	0.0099	1.328
Ca	44	3	He	6036.692	1.327	18362.18	0.0002	0.004867
Ca	44	3	He	5754.196	1.2651	18171.88	0.0002	0.004867
Ca	44	3	He	5466.486	1.2021	17360.82	0.0002	0.004867
Ti	47	3	He	97.39	0.1985	1890.18	0.002	0
Ti	47	3	He	77.759	0.1585	1620.15	0.002	0
Ti	47	3	He	86.182	0.1756	1850.17	0.002	0
V	51	3	He	46.876	7.7201	36136.82	0.1638	0.04039
V	51	3	He	45.917	7.5629	36309.21	0.1638	0.04039
V	51	3	He	43.657	7.1927	36114.75	0.1638	0.04039
Cr	52	3	He	46.703	4.9464	47107.62	0.1041	0.08357
Cr	52	3	He	41.903	4.4466	45462.30	0.1041	0.08357
Cr	52	3	He	40.873	4.3394	45712.91	0.1041	0.08357
Mn	55	3	He	44.808	2.2877	21787.17	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	42.672	2.179	22277.86	0.0509	0.00756
Mn	55	3	He	40.961	2.092	22037.43	0.0509	0.00756
Fe	57	3	He	43.811	0.2051	960.07	0.0041	0.02373
Fe	57	3	He	50.118	0.2312	1110.07	0.0041	0.02373
Fe	57	3	He	51.52	0.237	1190.09	0.0041	0.02373
Co	59	3	He	46.309	9.1165	86821.65	0.1966	0.009981
Co	59	3	He	42.978	8.4615	86509.74	0.1966	0.009981
Co	59	3	He	40.826	8.0384	84679.73	0.1966	0.009981
Ni	60	3	He	38.396	1.6758	23189.47	0.0432	0.01878
Ni	60	3	He	37.619	1.6423	23589.92	0.0432	0.01878
Ni	60	3	He	38.715	1.6896	24401.45	0.0432	0.01878
Cu	63	3	He	39.713	4.8634	67298.03	0.1222	0.01194
Cu	63	3	He	38.123	4.6691	67066.93	0.1222	0.01194
Cu	63	3	He	38.297	4.6904	67739.32	0.1222	0.01194
Zn	66	3	He	41.759	0.6687	9253.24	0.0159	0.002839
Zn	66	3	He	38.518	0.617	8863.04	0.0159	0.002839
Zn	66	3	He	41.394	0.6629	9573.45	0.0159	0.002839
As	75	3	He	40.63	0.5388	7455.99	0.0132	0.0009658
As	75	3	He	37.424	0.4964	7129.82	0.0132	0.0009658
As	75	3	He	39	0.5172	7470.01	0.0132	0.0009658
Sr	88	3	He	51.021	4.4126	42023.65	0.0864	0.005458
Sr	88	3	He	49.043	4.2417	43367.17	0.0864	0.005458
Sr	88	3	He	45.987	3.9777	41902.93	0.0864	0.005458
Mo	98	3	He	87.529	2.6569	145416.52	0.0303	0.001942
Mo	98	3	He	90.888	2.7588	145314.95	0.0303	0.001942
Mo	98	3	He	91.266	2.7703	148811.10	0.0303	0.001942
Ag	107	3	He	40.565	14.2059	135290.84	0.3501	0.002425
Ag	107	3	He	37.287	13.058	133504.61	0.3501	0.002425
Ag	107	3	He	37.34	13.0768	137756.19	0.3501	0.002425
Cd	111	3	He	8.801	0.3997	3806.54	0.0454	6.986E-05
Cd	111	3	He	8.663	0.3934	4022.60	0.0454	6.986E-05
Cd	111	3	He	8.483	0.3853	4058.62	0.0454	6.986E-05
Sn	120	3	He	441.649	12.5906	689101.16	0.0284	0.03615
Sn	120	3	He	460.158	13.1168	690908.11	0.0284	0.03615
Sn	120	3	He	448.873	12.796	687367.72	0.0284	0.03615
Sb	121	3	He	42.916	1.1231	61466.95	0.0262	0.000803
Sb	121	3	He	46.052	1.2051	63476.00	0.0262	0.000803
Sb	121	3	He	44.527	1.1652	62592.69	0.0262	0.000803
Ba	137	3	He	876.775	8.6166	471596.83	0.0098	0.0007342
Ba	137	3	He	908.352	8.9269	470211.83	0.0098	0.0007342
Ba	137	3	He	895.234	8.798	472605.15	0.0098	0.0007342
Tl	205	3	He	45.002	8.7553	479189.49	0.1945	0.002744
Tl	205	3	He	48.247	9.3864	494418.55	0.1945	0.002744
Tl	205	3	He	48.067	9.3514	502335.62	0.1945	0.002744
Pb	208	3	He	44.951	11.9245	352579.76	0.2651	0.006358
Pb	208	3	He	47.596	12.6257	356971.64	0.2651	0.006358
Pb	208	3	He	47.843	12.6912	361515.31	0.2651	0.006358
U	238	3	He	0	0.0005	30.00	0.3022	0.0005338
U	238	3	He	0.001	0.0009	50.00	0.3022	0.0005338
U	238	3	He	0.001	0.0009	50.00	0.3022	0.0005338
Sc	45	1	No Gas			192147.34		
Sc	45	1	No Gas			183686.52		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			182736.15		
Ge	72	1	No Gas			118277.96		
Ge	72	1	No Gas			117266.62		
Ge	72	1	No Gas			116834.46		
Sc	45	2	H2			35433.95		
Sc	45	2	H2			34592.14		
Sc	45	2	H2			36676.65		
Ge	72	2	H2			27417.21		
Ge	72	2	H2			26816.13		
Ge	72	2	H2			28048.31		
In	115	2	H2			96424.21		
In	115	2	H2			97954.97		
In	115	2	H2			98437.97		
Sc	45	3	He			4680.89		
Sc	45	3	He			4800.97		
Sc	45	3	He			5021.03		
Ge	72	3	He			9523.59		
Ge	72	3	He			10223.97		
Ge	72	3	He			10534.37		
In	115	3	He			17491.67		
In	115	3	He			17982.12		
In	115	3	He			18072.24		
Tb	159	3	He			54731.32		
Tb	159	3	He			52673.72		
Tb	159	3	He			53717.51		
Bi	209	3	He			44967.93		
Bi	209	3	He			46242.97		
Bi	209	3	He			47727.70		

Quantitation Report

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Sample Type	Sample
Comment	D8
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

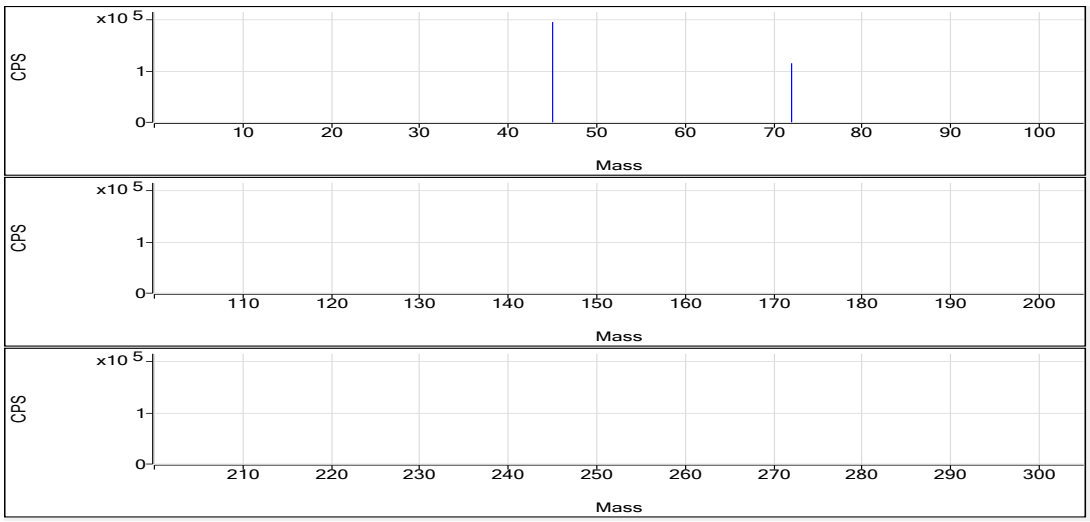
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.091	ppb	23.8	94.00	0.0005	Pulse	0.5000	3
Se	78	72	H2	0.042	ppb	82.4	6.22	0.0002	Pulse	1.5000	3
Na	23	45	He	103761.506	ppb	9.6	11717087.74	2 246.8537	Analog	0.1000	3
Mg	24	45	He	5.196	ppb	34.6	843.38	0.1620	Pulse	0.1000	3
Al	27	45	He	-0.152	ppb	N/A	43.33	0.0085	Pulse	0.1000	3
K	39	45	He	-5.182	ppb	N/A	6678.42	1.2774	Pulse	0.1000	3
Ca	44	115	He	29.484	ppb	55.4	143.34	0.0113	Pulse	0.1000	3
Ti	47	72	He	0.328	ppb	86.6	6.67	0.0007	Pulse	0.1000	3
V	51	45	He	-0.043	ppb	N/A	174.67	0.0334	Pulse	0.5000	3
Cr	52	72	He	-0.294	ppb	N/A	530.03	0.0530	Pulse	0.1000	3
Mn	55	72	He	0.336	ppb	26.8	246.68	0.0247	Pulse	0.1000	3
Fe	57	45	He	-2.783	ppb	N/A	63.33	0.0122	Pulse	0.1000	3
Co	59	72	He	0.023	ppb	108.2	143.34	0.0144	Pulse	0.1000	3
Ni	60	115	He	0.070	ppb	106.7	276.68	0.0218	Pulse	0.1000	3
Cu	63	115	He	0.227	ppb	8.5	503.36	0.0397	Pulse	0.1000	3
Zn	66	115	He	2.261	ppb	12.5	493.36	0.0389	Pulse	0.1000	3
As	75	115	He	0.106	ppb	9.7	30.00	0.0024	Pulse	0.5000	3
Sr	88	72	He	0.158	ppb	34.9	190.01	0.0191	Pulse	0.1000	3
Mo	98	159	He	0.301	ppb	21.9	640.04	0.0111	Pulse	0.1000	3
Ag	107	72	He	0.005	ppb	129.5	40.00	0.0040	Pulse	0.1000	3
Cd	111	72	He	0.006	ppb	87.3	3.33	0.0003	Pulse	0.5000	3
Sn	120	159	He	0.490	ppb	2.6	2890.42	0.0501	Pulse	0.1000	3
Sb	121	159	He	0.446	ppb	3.5	720.05	0.0125	Pulse	0.1000	3
Ba	137	159	He	0.708	ppb	15.8	443.36	0.0077	Pulse	0.1000	3
Tl	205	159	He	0.014	ppb	17.9	320.02	0.0055	Pulse	0.1000	3
Pb	208	159	He	0.018	ppb	31.3	646.70	0.0112	Pulse	0.1000	3
U	238	159	He	-0.001	ppb	N/A	20.00	0.0003	Pulse	0.1000	3

ISTD Table:

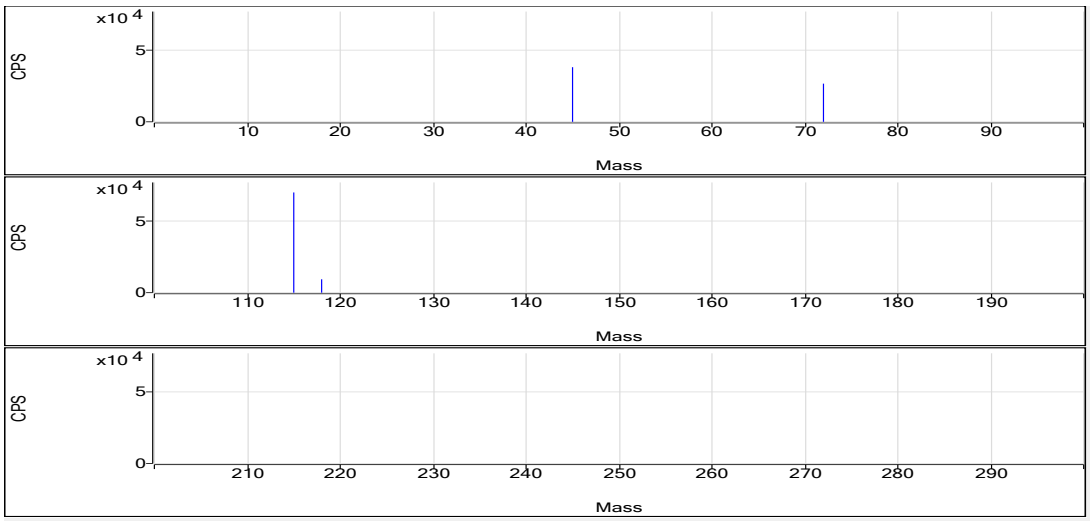
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	195880.71	0.9	106.9	Pulse	0.1000	3
No Gas	Ge	72	115383.53	0.4	103.0	Pulse	0.1000	3
H2	Sc	45	38341.51	1.2	113.1	Pulse	0.1000	3
H2	Ge	72	26792.63	2.7	103.6	Pulse	0.1000	3
H2	In	115	70359.26	0.6	110.0	Pulse	0.1000	3
He	Sc	45	5247.80	9.8	110.4	Pulse	0.1000	3
He	Ge	72	9983.78	1.9	102.6	Pulse	0.1000	3
He	In	115	12669.62	1.6	108.2	Pulse	0.1000	3
He	Tb	159	57714.23	0.9	115.7	Pulse	0.1000	3
He	Bi	209	47480.29	1.6	116.1	Pulse	0.1000	3

No Gas

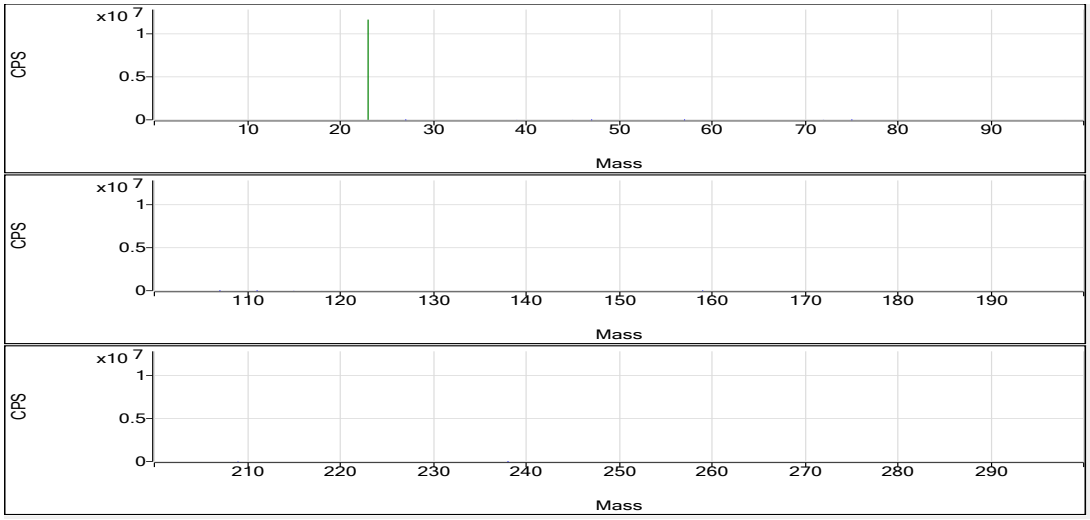


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.114	0.0006	110.00	0.0035	0.0001638
Be	9	1	No Gas	0.071	0.0004	80.00	0.0035	0.0001638
Be	9	1	No Gas	0.087	0.0005	92.00	0.0035	0.0001638
Se	78	2	H2	0.054	0.0003	7.33	0.0035	8.664E-05
Se	78	2	H2	0.068	0.0003	8.67	0.0035	8.664E-05
Se	78	2	H2	0.003	0.0001	2.67	0.0035	8.664E-05
Na	23	3	He	97008.14	2100.6687	11829453.57	0.0216	0.8064
Na	23	3	He	115191.311	2494.2661	11625549.83	0.0216	0.8064
Na	23	3	He	99085.067	2145.6264	11696259.83	0.0216	0.8064
Mg	24	3	He	4.02	0.1492	840.05	0.0109	0.1054
Mg	24	3	He	7.265	0.1845	860.05	0.0109	0.1054
Mg	24	3	He	4.304	0.1523	830.05	0.0109	0.1054
Al	27	3	He	-1.5	0.0036	20.00	0.0037	0.009095
Al	27	3	He	1.022	0.0129	60.00	0.0037	0.009095
Al	27	3	He	0.021	0.0092	50.00	0.0037	0.009095
K	39	3	He	-5.93	1.27	7151.96	0.0099	1.328
K	39	3	He	4.351	1.3713	6391.62	0.0099	1.328
K	39	3	He	-13.967	1.1909	6491.68	0.0099	1.328
Ca	44	3	He	45.983	0.0149	190.01	0.0002	0.004867
Ca	44	3	He	29.127	0.0112	140.01	0.0002	0.004867
Ca	44	3	He	13.34	0.0078	100.00	0.0002	0.004867
Ti	47	3	He	0.483	0.001	10.00	0.002	0
Ti	47	3	He	0.502	0.001	10.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	-0.043	0.0334	188.00	0.1638	0.04039
V	51	3	He	-0.027	0.036	168.00	0.1638	0.04039
V	51	3	He	-0.058	0.0308	168.00	0.1638	0.04039
Cr	52	3	He	-0.188	0.064	650.04	0.1041	0.08357
Cr	52	3	He	-0.39	0.0429	420.02	0.1041	0.08357
Cr	52	3	He	-0.304	0.0519	520.03	0.1041	0.08357
Mn	55	3	He	0.374	0.0266	270.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.233	0.0194	190.01	0.0509	0.00756
Mn	55	3	He	0.401	0.028	280.01	0.0509	0.00756
Fe	57	3	He	-2.729	0.0124	70.00	0.0041	0.02373
Fe	57	3	He	-2.104	0.015	70.00	0.0041	0.02373
Fe	57	3	He	-3.516	0.0092	50.00	0.0041	0.02373
Co	59	3	He	-0.001	0.0098	100.00	0.1966	0.009981
Co	59	3	He	0.048	0.0194	190.01	0.1966	0.009981
Co	59	3	He	0.02	0.014	140.00	0.1966	0.009981
Ni	60	3	He	0.075	0.022	280.01	0.0432	0.01878
Ni	60	3	He	-0.007	0.0185	230.01	0.0432	0.01878
Ni	60	3	He	0.142	0.0249	320.01	0.0432	0.01878
Cu	63	3	He	0.25	0.0425	540.03	0.1222	0.01194
Cu	63	3	He	0.218	0.0386	480.03	0.1222	0.01194
Cu	63	3	He	0.215	0.0382	490.02	0.1222	0.01194
Zn	66	3	He	2.386	0.0409	520.03	0.0159	0.002839
Zn	66	3	He	1.938	0.0337	420.02	0.0159	0.002839
Zn	66	3	He	2.46	0.0421	540.03	0.0159	0.002839
As	75	3	He	0.117	0.0025	32.00	0.0132	0.0009658
As	75	3	He	0.097	0.0022	28.00	0.0132	0.0009658
As	75	3	He	0.104	0.0023	30.00	0.0132	0.0009658
Sr	88	3	He	0.119	0.0158	160.01	0.0864	0.005458
Sr	88	3	He	0.221	0.0245	240.01	0.0864	0.005458
Sr	88	3	He	0.133	0.017	170.01	0.0864	0.005458
Mo	98	3	He	0.23	0.0089	510.03	0.0303	0.001942
Mo	98	3	He	0.312	0.0114	660.04	0.0303	0.001942
Mo	98	3	He	0.361	0.0129	750.05	0.0303	0.001942
Ag	107	3	He	0.004	0.0039	40.00	0.3501	0.002425
Ag	107	3	He	0.011	0.0061	60.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.012	0.0006	6.00	0.0454	6.986E-05
Sn	120	3	He	0.503	0.0504	2880.40	0.0284	0.03615
Sn	120	3	He	0.491	0.0501	2900.43	0.0284	0.03615
Sn	120	3	He	0.477	0.0497	2890.43	0.0284	0.03615
Sb	121	3	He	0.431	0.0121	690.04	0.0262	0.000803
Sb	121	3	He	0.445	0.0124	720.05	0.0262	0.000803
Sb	121	3	He	0.463	0.0129	750.05	0.0262	0.000803
Ba	137	3	He	0.816	0.0088	500.03	0.0098	0.0007342
Ba	137	3	He	0.593	0.0066	380.02	0.0098	0.0007342
Ba	137	3	He	0.713	0.0077	450.02	0.0098	0.0007342
Tl	205	3	He	0.017	0.006	340.02	0.1945	0.002744
Tl	205	3	He	0.015	0.0057	330.02	0.1945	0.002744
Tl	205	3	He	0.012	0.005	290.01	0.1945	0.002744
Pb	208	3	He	0.025	0.013	360.02	0.2651	0.006358
Pb	208	3	He	0.014	0.0102	360.02	0.2651	0.006358
Pb	208	3	He	0.016	0.0105	330.02	0.2651	0.006358
U	238	3	He	-0.001	0.0004	20.00	0.3022	0.0005338
U	238	3	He	-0.001	0.0003	20.00	0.3022	0.0005338
U	238	3	He	-0.001	0.0003	20.00	0.3022	0.0005338
Sc	45	1	No Gas			196187.91		
Sc	45	1	No Gas			194061.62		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			197392.61		
Ge	72	1	No Gas			115695.28		
Ge	72	1	No Gas			114870.89		
Ge	72	1	No Gas			115584.42		
Sc	45	2	H2			38652.23		
Sc	45	2	H2			37809.79		
Sc	45	2	H2			38562.50		
Ge	72	2	H2			26294.97		
Ge	72	2	H2			26475.36		
Ge	72	2	H2			27607.56		
In	115	2	H2			70510.27		
In	115	2	H2			70700.46		
In	115	2	H2			69867.04		
Sc	45	3	He			5631.28		
Sc	45	3	He			4660.91		
Sc	45	3	He			5451.21		
Ge	72	3	He			10153.92		
Ge	72	3	He			9783.66		
Ge	72	3	He			10013.76		
In	115	3	He			12736.23		
In	115	3	He			12466.04		
In	115	3	He			12856.36		
Tb	159	3	He			57101.07		
Tb	159	3	He			57895.48		
Tb	159	3	He			58146.13		
Bi	209	3	He			46613.71		
Bi	209	3	He			48109.14		
Bi	209	3	He			47718.02		

Quantitation Report

Data File Name	094SMPL.d
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Sample Type	Sample
Comment	D8
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

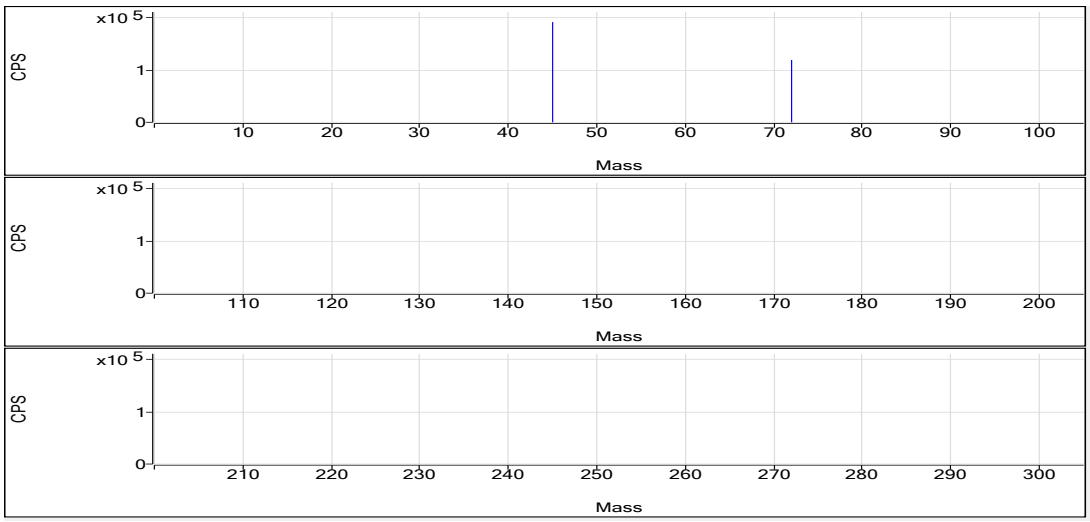
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.068	ppb	20.4	76.67	0.0004	Pulse	0.5000	3
Se	78	72	H2	0.089	ppb	15.8	11.33	0.0004	Pulse	1.5000	3
Na	23	45	He	132149.583	ppb	6.3	14479222.70	2 861.3491	Analog	0.1000	3
Mg	24	45	He	4381.059	ppb	5.6	242056.86	47.8221	Pulse	0.1000	3
Al	27	45	He	1270.090	ppb	3.3	23836.64	4.7044	Pulse	0.1000	3
K	39	45	He	2563.735	ppb	6.4	134534.43	26.5847	Pulse	0.1000	3
Ca	44	115	He	9515.794	ppb	7.0	25289.45	2.0889	Pulse	0.1000	3
Ti	47	72	He	3.746	ppb	80.7	73.35	0.0076	Pulse	0.1000	3
V	51	45	He	-0.079	ppb	N/A	138.00	0.0275	Pulse	0.5000	3
Cr	52	72	He	1.364	ppb	4.3	2190.24	0.2256	Pulse	0.1000	3
Mn	55	72	He	12667.055	ppb	2.7	6255703.24	644.5927	Analog	0.1000	3
Fe	57	45	He	2612.537	ppb	6.5	54844.97	10.8397	Pulse	0.1000	3
Co	59	72	He	12.430	ppb	3.8	23813.71	2.4542	Pulse	0.1000	3
Ni	60	115	He	55.390	ppb	9.1	29140.20	2.4092	Pulse	0.1000	3
Cu	63	115	He	13.920	ppb	5.4	20748.98	1.7124	Pulse	0.1000	3
Zn	66	115	He	29717.574	ppb	6.4	5738137.20	473.8632	Analog	0.1000	3
As	75	115	He	0.123	ppb	22.1	31.33	0.0026	Pulse	0.5000	3
Sr	88	72	He	23.775	ppb	7.0	19968.01	2.0591	Pulse	0.1000	3
Mo	98	159	He	168.022	ppb	3.8	292385.56	5.0984	Pulse	0.1000	3
Ag	107	72	He	0.006	ppb	80.3	43.33	0.0045	Pulse	0.1000	3
Cd	111	72	He	1.170	ppb	3.1	516.68	0.0532	Pulse	0.5000	3
Sn	120	159	He	0.101	ppb	79.4	2236.93	0.0390	Pulse	0.1000	3
Sb	121	159	He	1.901	ppb	3.1	2900.41	0.0505	Pulse	0.1000	3
Ba	137	159	He	93.619	ppb	2.5	52815.73	0.9207	Pulse	0.1000	3
Tl	205	159	He	0.013	ppb	51.7	296.68	0.0052	Pulse	0.1000	3
Pb	208	159	He	0.045	ppb	10.4	1053.39	0.0183	Pulse	0.1000	3
U	238	159	He	0.025	ppb	5.8	470.03	0.0082	Pulse	0.1000	3

ISTD Table:

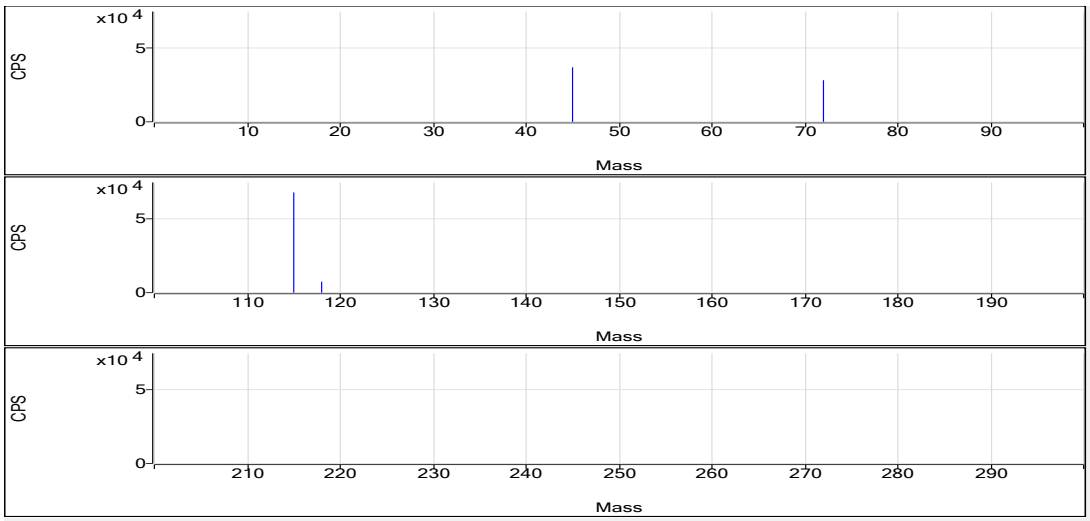
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	192161.56	1.1	104.9	Pulse	0.1000	3
No Gas	Ge	72	119560.07	1.2	106.8	Pulse	0.1000	3
H2	Sc	45	37098.35	0.8	109.4	Pulse	0.1000	3
H2	Ge	72	28325.37	4.2	109.5	Pulse	0.1000	3
H2	In	115	68228.29	2.3	106.7	Pulse	0.1000	3
He	Sc	45	5074.38	6.7	106.7	Pulse	0.1000	3
He	Ge	72	9710.29	3.1	99.8	Pulse	0.1000	3
He	In	115	12144.46	6.8	103.7	Pulse	0.1000	3
He	Tb	159	57382.81	2.4	115.0	Pulse	0.1000	3
He	Bi	209	46828.27	2.3	114.5	Pulse	0.1000	3

No Gas

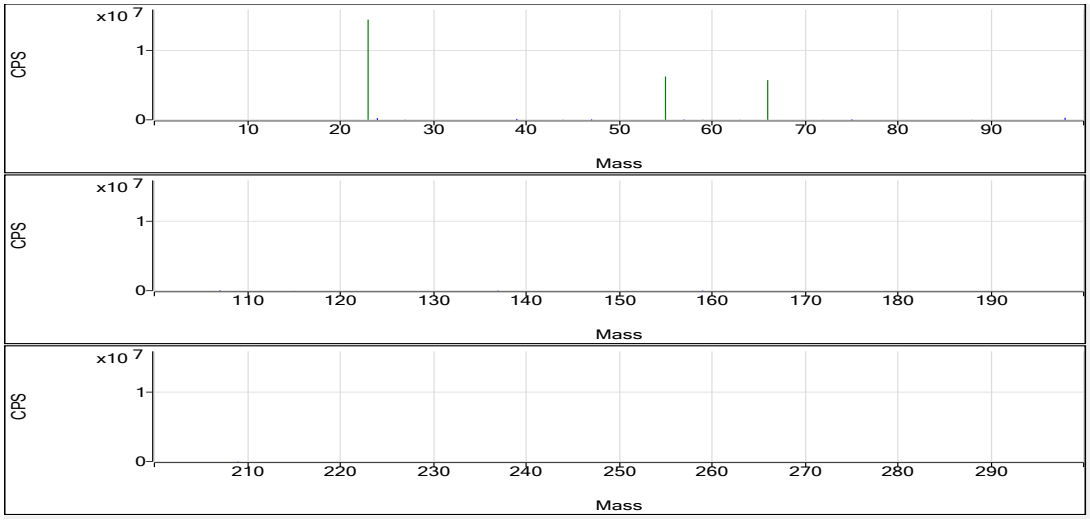


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.063	0.0004	74.00	0.0035	0.0001638
Be	9	1	No Gas	0.083	0.0005	86.00	0.0035	0.0001638
Be	9	1	No Gas	0.057	0.0004	70.00	0.0035	0.0001638
Se	78	2	H2	0.08	0.0004	10.00	0.0035	8.664E-05
Se	78	2	H2	0.105	0.0005	13.33	0.0035	8.664E-05
Se	78	2	H2	0.08	0.0004	10.67	0.0035	8.664E-05
Na	23	3	He	124948.693	2705.4768	14612767.28	0.0216	0.8064
Na	23	3	He	130320.648	2821.7595	14393879.79	0.0216	0.8064
Na	23	3	He	141179.409	3056.8109	14431021.03	0.0216	0.8064
Mg	24	3	He	4142.169	45.2202	244242.20	0.0109	0.1054
Mg	24	3	He	4366.138	47.6595	243112.73	0.0109	0.1054
Mg	24	3	He	4634.871	50.5865	238815.64	0.0109	0.1054
Al	27	3	He	1231.615	4.5622	24641.22	0.0037	0.009095
Al	27	3	He	1263.333	4.6794	23870.01	0.0037	0.009095
Al	27	3	He	1315.32	4.8716	22998.70	0.0037	0.009095
K	39	3	He	2416.693	25.1362	135764.97	0.0099	1.328
K	39	3	He	2533.124	26.2832	134071.24	0.0099	1.328
K	39	3	He	2741.387	28.3348	133767.09	0.0099	1.328
Ca	44	3	He	9510.576	2.0878	25272.93	0.0002	0.004867
Ca	44	3	He	10182.467	2.2349	25352.80	0.0002	0.004867
Ca	44	3	He	8854.339	1.9441	25242.62	0.0002	0.004867
Ti	47	3	He	1.952	0.004	40.00	0.002	0
Ti	47	3	He	2.048	0.0042	40.00	0.002	0
Ti	47	3	He	7.239	0.0148	140.05	0.002	0
V	51	3	He	-0.12	0.0207	112.00	0.1638	0.04039
V	51	3	He	-0.081	0.0271	138.00	0.1638	0.04039
V	51	3	He	-0.034	0.0347	164.00	0.1638	0.04039
Cr	52	3	He	1.328	0.2218	2230.26	0.1041	0.08357
Cr	52	3	He	1.432	0.2327	2230.24	0.1041	0.08357
Cr	52	3	He	1.332	0.2223	2110.23	0.1041	0.08357
Mn	55	3	He	12281.806	624.9886	6283529.28	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	12788.109	650.7528	6236508.66	0.0509	0.00756
Mn	55	3	He	12931.25	658.0367	6247071.78	0.0509	0.00756
Fe	57	3	He	2448.772	10.1617	54885.02	0.0041	0.02373
Fe	57	3	He	2601.288	10.7931	55055.88	0.0041	0.02373
Fe	57	3	He	2787.551	11.5642	54594.01	0.0041	0.02373
Co	59	3	He	11.947	2.3593	23720.24	0.1966	0.009981
Co	59	3	He	12.456	2.4594	23569.85	0.1966	0.009981
Co	59	3	He	12.886	2.544	24151.05	0.1966	0.009981
Ni	60	3	He	55.209	2.4015	29069.94	0.0432	0.01878
Ni	60	3	He	60.52	2.6306	29841.59	0.0432	0.01878
Ni	60	3	He	50.44	2.1956	28509.06	0.0432	0.01878
Cu	63	3	He	13.654	1.6799	20335.14	0.1222	0.01194
Cu	63	3	He	14.771	1.8164	20605.34	0.1222	0.01194
Cu	63	3	He	13.335	1.6409	21306.46	0.1222	0.01194
Zn	66	3	He	29872.02	476.326	5765978.04	0.0159	0.002839
Zn	66	3	He	31547.156	503.0368	5706363.66	0.0159	0.002839
Zn	66	3	He	27733.546	442.227	5742069.91	0.0159	0.002839
As	75	3	He	0.102	0.0023	28.00	0.0132	0.0009658
As	75	3	He	0.153	0.003	34.00	0.0132	0.0009658
As	75	3	He	0.113	0.0025	32.00	0.0132	0.0009658
Sr	88	3	He	22.13	1.917	19273.53	0.0864	0.005458
Sr	88	3	He	23.728	2.055	19694.33	0.0864	0.005458
Sr	88	3	He	25.468	2.2053	20936.18	0.0864	0.005458
Mo	98	3	He	174.403	5.292	296547.14	0.0303	0.001942
Mo	98	3	He	167.94	5.096	292013.28	0.0303	0.001942
Mo	98	3	He	161.723	4.9074	288596.27	0.0303	0.001942
Ag	107	3	He	0.002	0.003	30.00	0.3501	0.002425
Ag	107	3	He	0.011	0.0063	60.00	0.3501	0.002425
Ag	107	3	He	0.005	0.0042	40.00	0.3501	0.002425
Cd	111	3	He	1.177	0.0535	538.01	0.0454	6.986E-05
Cd	111	3	He	1.203	0.0547	524.01	0.0454	6.986E-05
Cd	111	3	He	1.131	0.0514	488.01	0.0454	6.986E-05
Sn	120	3	He	0.141	0.0402	2250.28	0.0284	0.03615
Sn	120	3	He	0.153	0.0405	2320.27	0.0284	0.03615
Sn	120	3	He	0.009	0.0364	2140.25	0.0284	0.03615
Sb	121	3	He	1.853	0.0493	2760.37	0.0262	0.000803
Sb	121	3	He	1.885	0.0501	2870.41	0.0262	0.000803
Sb	121	3	He	1.966	0.0522	3070.46	0.0262	0.000803
Ba	137	3	He	96.27	0.9468	53053.35	0.0098	0.0007342
Ba	137	3	He	92.181	0.9066	51949.09	0.0098	0.0007342
Ba	137	3	He	92.407	0.9088	53444.75	0.0098	0.0007342
Tl	205	3	He	0.017	0.0061	340.02	0.1945	0.002744
Tl	205	3	He	0.016	0.0058	330.02	0.1945	0.002744
Tl	205	3	He	0.005	0.0037	220.01	0.1945	0.002744
Pb	208	3	He	0.041	0.0173	470.03	0.2651	0.006358
Pb	208	3	He	0.044	0.018	530.03	0.2651	0.006358
Pb	208	3	He	0.05	0.0197	630.04	0.2651	0.006358
U	238	3	He	0.026	0.0084	470.02	0.3022	0.0005338
U	238	3	He	0.024	0.0077	440.03	0.3022	0.0005338
U	238	3	He	0.026	0.0085	500.03	0.3022	0.0005338
Sc	45	1	No Gas			193136.91		
Sc	45	1	No Gas			189694.22		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			193653.55		
Ge	72	1	No Gas			120303.55		
Ge	72	1	No Gas			117952.84		
Ge	72	1	No Gas			120423.83		
Sc	45	2	H2			36747.18		
Sc	45	2	H2			37339.02		
Sc	45	2	H2			37208.84		
Ge	72	2	H2			26976.07		
Ge	72	2	H2			29220.51		
Ge	72	2	H2			28779.54		
In	115	2	H2			67423.48		
In	115	2	H2			70007.29		
In	115	2	H2			67254.09		
Sc	45	3	He			5401.18		
Sc	45	3	He			5101.03		
Sc	45	3	He			4720.94		
Ge	72	3	He			10053.83		
Ge	72	3	He			9583.53		
Ge	72	3	He			9493.50		
In	115	3	He			12115.72		
In	115	3	He			11354.99		
In	115	3	He			12996.45		
Tb	159	3	He			56037.02		
Tb	159	3	He			57302.79		
Tb	159	3	He			58808.62		
Bi	209	3	He			45952.02		
Bi	209	3	He			46524.20		
Bi	209	3	He			48008.58		

Quantitation Report

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Sample Type	Sample
Comment	D8
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

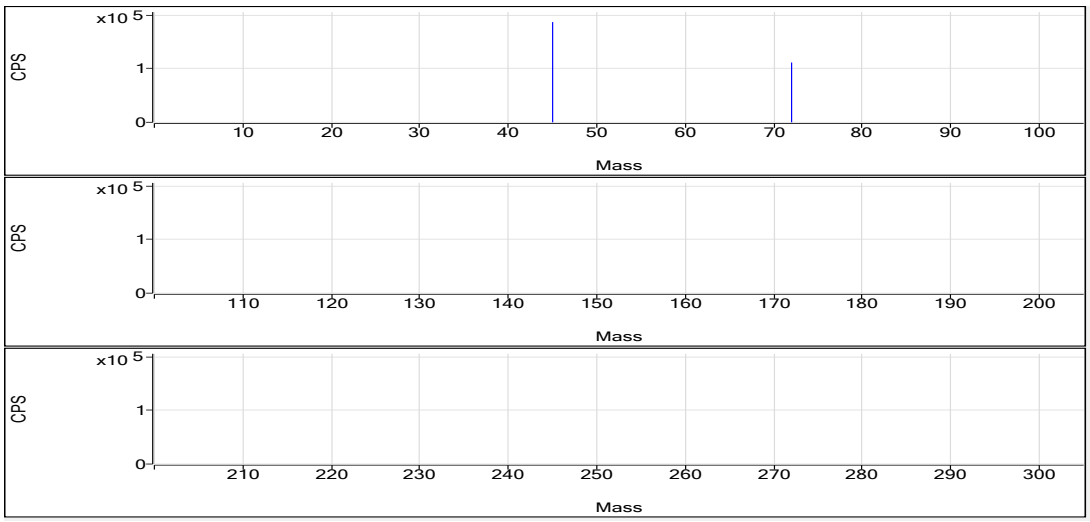
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.043	ppb	44.1	58.67	0.0003	Pulse	0.5000	3
Se	78	72	H2	-0.011	ppb	N/A	1.34	0.0000	Pulse	1.5000	3
Na	23	45	He	118869.519	ppb	2.6	12094528.57	2 573.8855	Analog	0.1000	3
Mg	24	45	He	4.798	ppb	24.5	740.05	0.1577	Pulse	0.1000	3
Al	27	45	He	1.975	ppb	67.5	76.67	0.0164	Pulse	0.1000	3
K	39	45	He	6.807	ppb	100.1	6565.02	1.3955	Pulse	0.1000	3
Ca	44	115	He	13.453	ppb	116.7	100.00	0.0078	Pulse	0.1000	3
Ti	47	72	He	0.343	ppb	173.2	6.67	0.0007	Pulse	0.1000	3
V	51	45	He	-0.033	ppb	N/A	164.67	0.0350	Pulse	0.5000	3
Cr	52	72	He	-0.114	ppb	N/A	673.37	0.0717	Pulse	0.1000	3
Mn	55	72	He	5.482	ppb	19.1	2690.35	0.2865	Pulse	0.1000	3
Fe	57	45	He	9.046	ppb	35.9	286.68	0.0612	Pulse	0.1000	3
Co	59	72	He	-0.002	ppb	N/A	90.00	0.0096	Pulse	0.1000	3
Ni	60	115	He	0.022	ppb	483.6	250.01	0.0197	Pulse	0.1000	3
Cu	63	115	He	0.126	ppb	39.1	346.68	0.0273	Pulse	0.1000	3
Zn	66	115	He	11.885	ppb	15.6	2450.30	0.1923	Pulse	0.1000	3
As	75	115	He	0.034	ppb	60.0	18.00	0.0014	Pulse	0.5000	3
Sr	88	72	He	0.081	ppb	15.2	116.67	0.0124	Pulse	0.1000	3
Mo	98	159	He	1.023	ppb	23.7	1833.53	0.0330	Pulse	0.1000	3
Ag	107	72	He	0.003	ppb	377.5	33.33	0.0036	Pulse	0.1000	3
Cd	111	72	He	0.008	ppb	1.7	4.00	0.0004	Pulse	0.5000	3
Sn	120	159	He	0.895	ppb	8.1	3423.88	0.0616	Pulse	0.1000	3
Sb	121	159	He	0.082	ppb	24.9	163.34	0.0029	Pulse	0.1000	3
Ba	137	159	He	0.475	ppb	21.5	300.01	0.0054	Pulse	0.1000	3
Tl	205	159	He	-0.002	ppb	N/A	133.34	0.0024	Pulse	0.1000	3
Pb	208	159	He	0.007	ppb	70.1	453.35	0.0082	Pulse	0.1000	3
U	238	159	He	0.000	ppb	314.9	33.33	0.0006	Pulse	0.1000	3

ISTD Table:

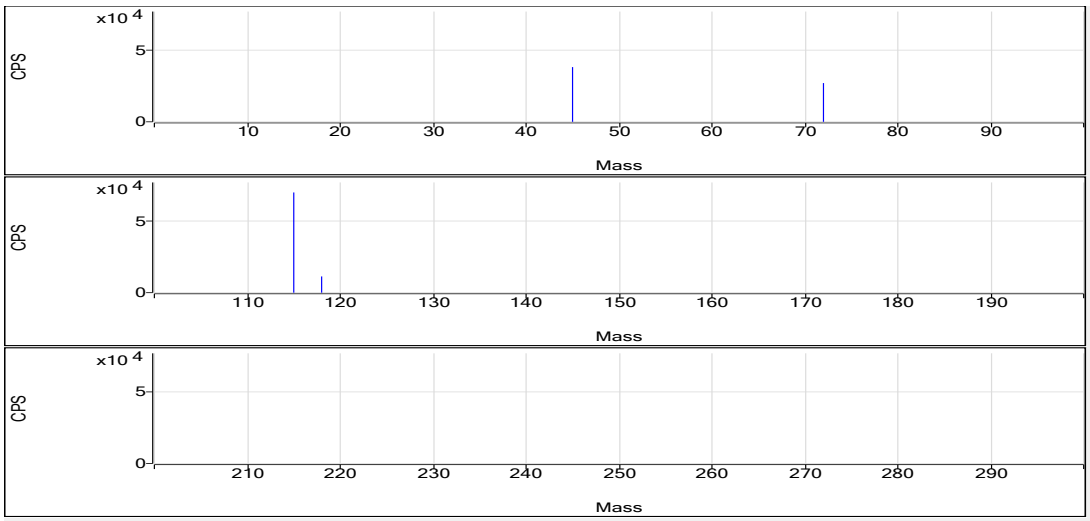
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	186490.91	0.6	101.8	Pulse	0.1000	3
No Gas	Ge	72	111283.98	1.0	99.4	Pulse	0.1000	3
H2	Sc	45	37943.69	3.2	111.9	Pulse	0.1000	3
H2	Ge	72	26859.20	3.0	103.8	Pulse	0.1000	3
H2	In	115	69504.52	0.9	108.7	Pulse	0.1000	3
He	Sc	45	4700.91	2.7	98.9	Pulse	0.1000	3
He	Ge	72	9390.08	1.4	96.5	Pulse	0.1000	3
He	In	115	12714.06	2.5	108.6	Pulse	0.1000	3
He	Tb	159	55575.25	0.8	111.4	Pulse	0.1000	3
He	Bi	209	46938.37	2.5	114.8	Pulse	0.1000	3

No Gas

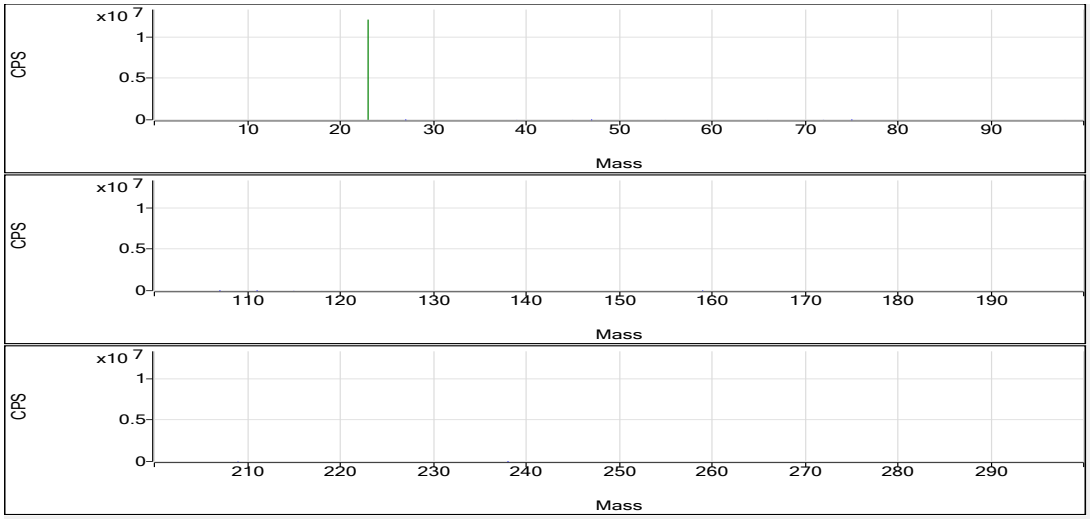


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.026	0.0003	48.00	0.0035	0.0001638
Be	9	1	No Gas	0.04	0.0003	56.00	0.0035	0.0001638
Be	9	1	No Gas	0.064	0.0004	72.00	0.0035	0.0001638
Se	78	2	H2	0.003	0.0001	2.67	0.0035	8.664E-05
Se	78	2	H2	-0.017	0	0.67	0.0035	8.664E-05
Se	78	2	H2	-0.017	0	0.67	0.0035	8.664E-05
Na	23	3	He	117568.064	2545.7139	12247302.32	0.0216	0.8064
Na	23	3	He	116654.593	2525.9407	11950048.57	0.0216	0.8064
Na	23	3	He	122385.898	2650.0019	12086234.82	0.0216	0.8064
Mg	24	3	He	3.683	0.1455	700.04	0.0109	0.1054
Mg	24	3	He	4.686	0.1564	740.05	0.0109	0.1054
Mg	24	3	He	6.027	0.171	780.05	0.0109	0.1054
Al	27	3	He	0.913	0.0125	60.00	0.0037	0.009095
Al	27	3	He	1.542	0.0148	70.00	0.0037	0.009095
Al	27	3	He	3.471	0.0219	100.00	0.0037	0.009095
K	39	3	He	14.575	1.472	7081.95	0.0099	1.328
K	39	3	He	4.007	1.3679	6471.62	0.0099	1.328
K	39	3	He	1.838	1.3466	6141.50	0.0099	1.328
Ca	44	3	He	26.734	0.0107	140.01	0.0002	0.004867
Ca	44	3	He	-3.866	0.004	50.00	0.0002	0.004867
Ca	44	3	He	17.49	0.0087	110.00	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	1.029	0.0021	20.00	0.002	0
V	51	3	He	-0.041	0.0337	162.00	0.1638	0.04039
V	51	3	He	-0.027	0.0359	170.00	0.1638	0.04039
V	51	3	He	-0.03	0.0355	162.00	0.1638	0.04039
Cr	52	3	He	-0.198	0.0629	590.03	0.1041	0.08357
Cr	52	3	He	-0.118	0.0713	660.03	0.1041	0.08357
Cr	52	3	He	-0.027	0.0808	770.05	0.1041	0.08357
Mn	55	3	He	6.687	0.3478	3260.47	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	4.816	0.2526	2340.28	0.0509	0.00756
Mn	55	3	He	4.943	0.2591	2470.31	0.0509	0.00756
Fe	57	3	He	5.315	0.0457	220.01	0.0041	0.02373
Fe	57	3	He	10.607	0.0676	320.01	0.0041	0.02373
Fe	57	3	He	11.217	0.0702	320.02	0.0041	0.02373
Co	59	3	He	0.014	0.0128	120.01	0.1966	0.009981
Co	59	3	He	-0.007	0.0086	80.00	0.1966	0.009981
Co	59	3	He	-0.013	0.0073	70.00	0.1966	0.009981
Ni	60	3	He	-0.027	0.0176	230.01	0.0432	0.01878
Ni	60	3	He	0.143	0.0249	310.02	0.0432	0.01878
Ni	60	3	He	-0.05	0.0166	210.01	0.0432	0.01878
Cu	63	3	He	0.072	0.0207	270.01	0.1222	0.01194
Cu	63	3	He	0.139	0.0289	360.02	0.1222	0.01194
Cu	63	3	He	0.168	0.0324	410.02	0.1222	0.01194
Zn	66	3	He	13.896	0.2244	2930.39	0.0159	0.002839
Zn	66	3	He	11.522	0.1866	2320.27	0.0159	0.002839
Zn	66	3	He	10.236	0.1661	2100.24	0.0159	0.002839
As	75	3	He	0.043	0.0015	20.00	0.0132	0.0009658
As	75	3	He	0.049	0.0016	20.00	0.0132	0.0009658
As	75	3	He	0.011	0.0011	14.00	0.0132	0.0009658
Sr	88	3	He	0.073	0.0117	110.00	0.0864	0.005458
Sr	88	3	He	0.074	0.0119	110.00	0.0864	0.005458
Sr	88	3	He	0.095	0.0136	130.01	0.0864	0.005458
Mo	98	3	He	0.774	0.0254	1400.13	0.0303	0.001942
Mo	98	3	He	1.035	0.0333	1860.18	0.0303	0.001942
Mo	98	3	He	1.259	0.0401	2240.27	0.0303	0.001942
Ag	107	3	He	-0.004	0.0011	10.00	0.3501	0.002425
Ag	107	3	He	0.018	0.0086	80.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Cd	111	3	He	0.008	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	0.008	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	0.008	0.0004	4.00	0.0454	6.986E-05
Sn	120	3	He	0.843	0.0601	3310.51	0.0284	0.03615
Sn	120	3	He	0.865	0.0607	3390.54	0.0284	0.03615
Sn	120	3	He	0.978	0.064	3570.58	0.0284	0.03615
Sb	121	3	He	0.06	0.0024	130.01	0.0262	0.000803
Sb	121	3	He	0.086	0.003	170.01	0.0262	0.000803
Sb	121	3	He	0.099	0.0034	190.01	0.0262	0.000803
Ba	137	3	He	0.498	0.0056	310.01	0.0098	0.0007342
Ba	137	3	He	0.363	0.0043	240.01	0.0098	0.0007342
Ba	137	3	He	0.563	0.0063	350.02	0.0098	0.0007342
Tl	205	3	He	-0.001	0.0025	140.01	0.1945	0.002744
Tl	205	3	He	0.002	0.003	170.01	0.1945	0.002744
Tl	205	3	He	-0.006	0.0016	90.00	0.1945	0.002744
Pb	208	3	He	0.006	0.008	240.01	0.2651	0.006358
Pb	208	3	He	0.002	0.007	170.01	0.2651	0.006358
Pb	208	3	He	0.012	0.0095	290.02	0.2651	0.006358
U	238	3	He	0.001	0.0007	40.00	0.3022	0.0005338
U	238	3	He	-0.001	0.0004	20.00	0.3022	0.0005338
U	238	3	He	0.001	0.0007	40.00	0.3022	0.0005338
Sc	45	1	No Gas			187817.83		
Sc	45	1	No Gas			185498.12		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			186156.77		
Ge	72	1	No Gas			111542.10		
Ge	72	1	No Gas			112249.20		
Ge	72	1	No Gas			110060.64		
Sc	45	2	H2			38652.14		
Sc	45	2	H2			36527.04		
Sc	45	2	H2			38651.88		
Ge	72	2	H2			27747.51		
Ge	72	2	H2			26224.61		
Ge	72	2	H2			26605.49		
In	115	2	H2			69514.85		
In	115	2	H2			68891.25		
In	115	2	H2			70107.46		
Sc	45	3	He			4810.95		
Sc	45	3	He			4730.93		
Sc	45	3	He			4560.84		
Ge	72	3	He			9373.37		
Ge	72	3	He			9263.25		
Ge	72	3	He			9533.63		
In	115	3	He			13076.58		
In	115	3	He			12456.03		
In	115	3	He			12666.12		
Tb	159	3	He			55083.35		
Tb	159	3	He			55816.25		
Tb	159	3	He			55826.14		
Bi	209	3	He			46041.98		
Bi	209	3	He			46513.34		
Bi	209	3	He			48259.79		

Quantitation Report

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Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

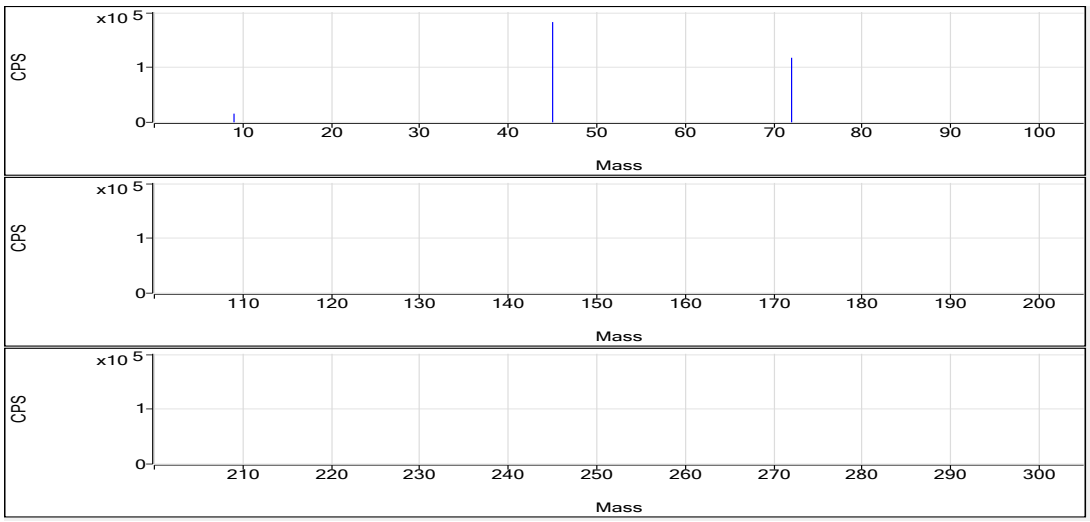
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	24.794	ppb	0.5	15845.08	0.0863	Pulse	0.5000	3
Se	78	72	H2	25.659	ppb	1.3	2378.65	0.0907	Pulse	1.5000	3
Na	23	45	He	2518.038	ppb	1.6	264974.93	55.3125	Pulse	0.1000	3
Mg	24	45	He	2518.149	ppb	1.3	131899.73	27.5320	Pulse	0.1000	3
Al	27	45	He	2528.168	ppb	1.4	44819.07	9.3554	Pulse	0.1000	3
K	39	45	He	2498.550	ppb	2.5	124272.53	25.9426	Pulse	0.1000	3
Ca	44	115	He	2503.777	ppb	3.6	6768.49	0.5532	Pulse	0.1000	3
Ti	47	72	He	2363.416	ppb	0.9	47505.65	4.8164	Pulse	0.1000	3
V	51	45	He	251.653	ppb	1.7	197695.57	41.2684	Pulse	0.5000	3
Cr	52	72	He	240.729	ppb	1.4	248044.88	25.1491	Pulse	0.1000	3
Mn	55	72	He	241.431	ppb	1.1	121259.43	12.2932	Pulse	0.1000	3
Fe	57	45	He	2456.033	ppb	2.1	48823.49	10.1917	Pulse	0.1000	3
Co	59	72	He	240.080	ppb	0.9	465755.27	47.2213	Pulse	0.1000	3
Ni	60	115	He	238.801	ppb	2.9	126313.22	10.3247	Pulse	0.1000	3
Cu	63	115	He	244.940	ppb	3.3	366185.18	29.9341	Pulse	0.1000	3
Zn	66	115	He	247.406	ppb	5.4	48272.14	3.9478	Pulse	0.1000	3
As	75	115	He	245.087	ppb	3.4	39700.22	3.2454	Pulse	0.5000	3
Sr	88	72	He	23.848	ppb	2.1	20371.85	2.0654	Pulse	0.1000	3
Mo	98	159	He	24.228	ppb	2.7	40649.50	0.7368	Pulse	0.1000	3
Ag	107	72	He	25.294	ppb	1.3	87376.45	8.8590	Pulse	0.1000	3
Cd	111	72	He	24.365	ppb	0.9	10913.00	1.1064	Pulse	0.5000	3
Sn	120	159	He	24.746	ppb	2.5	40807.87	0.7396	Pulse	0.1000	3
Sb	121	159	He	24.167	ppb	3.6	34908.34	0.6328	Pulse	0.1000	3
Ba	137	159	He	242.321	ppb	2.2	131413.61	2.3820	Pulse	0.1000	3
Tl	205	159	He	25.317	ppb	1.6	271921.63	4.9267	Pulse	0.1000	3
Pb	208	159	He	25.226	ppb	1.3	369480.94	6.6947	Pulse	0.1000	3
U	238	159	He	25.365	ppb	1.9	423047.70	7.6651	Pulse	0.1000	3

ISTD Table:

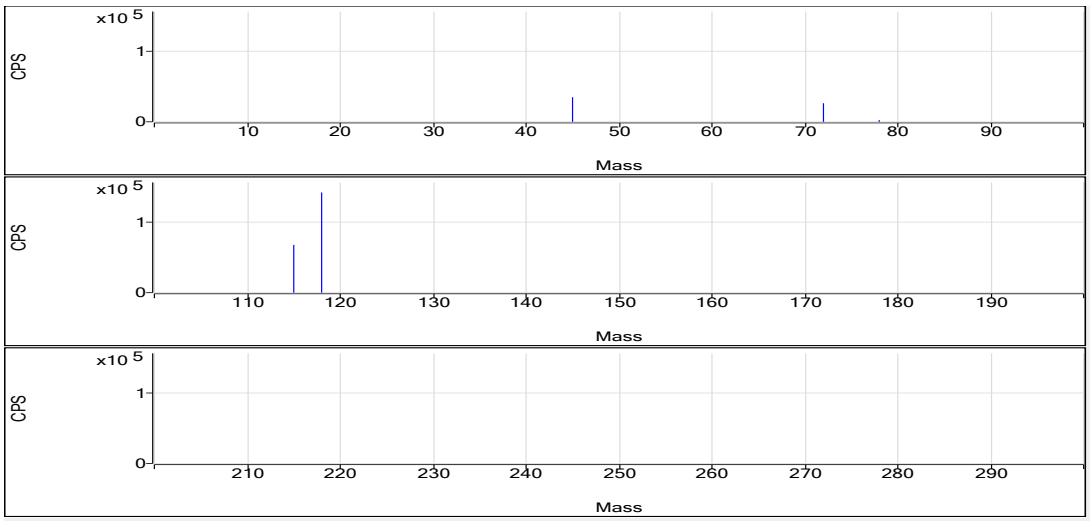
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	183540.19	1.4	100.1	Pulse	0.1000	3
No Gas	Ge	72	118185.47	1.6	105.5	Pulse	0.1000	3
H2	Sc	45	34712.22	1.0	102.4	Pulse	0.1000	3
H2	Ge	72	26238.08	2.7	101.4	Pulse	0.1000	3
H2	In	115	67424.44	0.5	105.5	Pulse	0.1000	3
He	Sc	45	4790.96	0.9	100.8	Pulse	0.1000	3
He	Ge	72	9863.80	1.0	101.4	Pulse	0.1000	3
He	In	115	12241.62	3.2	104.5	Pulse	0.1000	3
He	Tb	159	55186.47	1.9	110.6	Pulse	0.1000	3
He	Bi	209	46523.46	1.6	113.8	Pulse	0.1000	3

No Gas

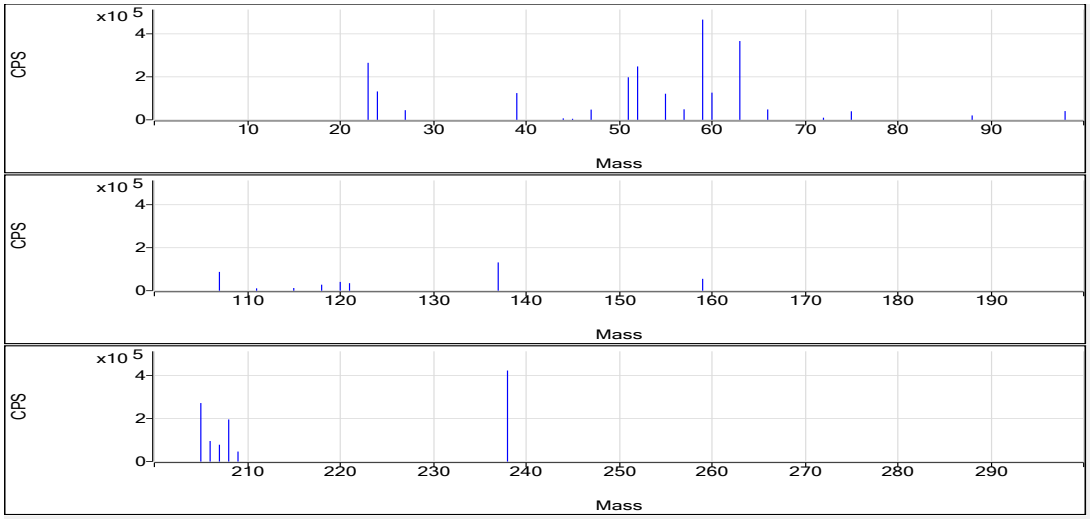


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	24.64	0.0858	15784.36	0.0035	0.0001638
Be	9	1	No Gas	24.842	0.0865	16074.65	0.0035	0.0001638
Be	9	1	No Gas	24.899	0.0867	15676.23	0.0035	0.0001638
Se	78	2	H2	25.357	0.0896	2374.20	0.0035	8.664E-05
Se	78	2	H2	25.585	0.0904	2420.88	0.0035	8.664E-05
Se	78	2	H2	26.035	0.092	2340.86	0.0035	8.664E-05
Na	23	3	He	2564.967	56.3283	267050.86	0.0216	0.8064
Na	23	3	He	2500.276	54.928	264805.74	0.0216	0.8064
Na	23	3	He	2488.871	54.6811	263068.18	0.0216	0.8064
Mg	24	3	He	2532.721	27.6907	131280.90	0.0109	0.1054
Mg	24	3	He	2481.126	27.1288	130786.73	0.0109	0.1054
Mg	24	3	He	2540.6	27.7765	133631.55	0.0109	0.1054
Al	27	3	He	2546.148	9.4218	44668.58	0.0037	0.009095
Al	27	3	He	2488.1	9.2072	44387.68	0.0037	0.009095
Al	27	3	He	2550.255	9.437	45400.95	0.0037	0.009095
K	39	3	He	2569.213	26.6387	126293.26	0.0099	1.328
K	39	3	He	2467.023	25.632	123570.80	0.0099	1.328
K	39	3	He	2459.413	25.557	122953.52	0.0099	1.328
Ca	44	3	He	2553.46	0.5641	6971.93	0.0002	0.004867
Ca	44	3	He	2559.346	0.5654	6671.82	0.0002	0.004867
Ca	44	3	He	2398.525	0.5302	6661.72	0.0002	0.004867
Ti	47	3	He	2358.774	4.807	47559.02	0.002	0
Ti	47	3	He	2345.414	4.7798	47529.63	0.002	0
Ti	47	3	He	2386.062	4.8626	47428.30	0.002	0
V	51	3	He	256.467	42.0571	199391.39	0.1638	0.04039
V	51	3	He	249.427	40.9037	197195.02	0.1638	0.04039
V	51	3	He	249.065	40.8444	196500.31	0.1638	0.04039
Cr	52	3	He	241.421	25.2211	249531.44	0.1041	0.08357
Cr	52	3	He	237.132	24.7745	246356.46	0.1041	0.08357
Cr	52	3	He	243.634	25.4515	248246.75	0.1041	0.08357
Mn	55	3	He	244.443	12.4464	123141.87	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	239.699	12.2051	121366.72	0.0509	0.00756
Mn	55	3	He	240.152	12.2281	119269.71	0.0509	0.00756
Fe	57	3	He	2496.592	10.3596	49114.78	0.0041	0.02373
Fe	57	3	He	2398.731	9.9545	47990.26	0.0041	0.02373
Fe	57	3	He	2472.777	10.2611	49365.43	0.0041	0.02373
Co	59	3	He	239.964	47.1986	466970.46	0.1966	0.009981
Co	59	3	He	238.063	46.8247	465622.38	0.1966	0.009981
Co	59	3	He	242.212	47.6406	464672.96	0.1966	0.009981
Ni	60	3	He	236.313	10.2174	126279.46	0.0432	0.01878
Ni	60	3	He	246.578	10.6604	125795.84	0.0432	0.01878
Ni	60	3	He	233.511	10.0965	126864.37	0.0432	0.01878
Cu	63	3	He	243.046	29.7028	367106.32	0.1222	0.01194
Cu	63	3	He	253.696	31.0038	365855.50	0.1222	0.01194
Cu	63	3	He	238.076	29.0957	365593.71	0.1222	0.01194
Zn	66	3	He	245.224	3.9131	48362.66	0.0159	0.002839
Zn	66	3	He	261.753	4.1766	49285.30	0.0159	0.002839
Zn	66	3	He	235.242	3.7539	47168.45	0.0159	0.002839
As	75	3	He	244.754	3.241	40055.92	0.0132	0.0009658
As	75	3	He	253.527	3.3571	39614.66	0.0132	0.0009658
As	75	3	He	236.98	3.138	39430.09	0.0132	0.0009658
Sr	88	3	He	24.341	2.108	20856.05	0.0864	0.005458
Sr	88	3	He	23.355	2.0228	20114.72	0.0864	0.005458
Sr	88	3	He	23.847	2.0653	20144.79	0.0864	0.005458
Mo	98	3	He	24.964	0.7592	40970.81	0.0303	0.001942
Mo	98	3	He	23.67	0.7199	40298.32	0.0303	0.001942
Mo	98	3	He	24.051	0.7315	40679.38	0.0303	0.001942
Ag	107	3	He	25.125	8.7996	87061.33	0.3501	0.002425
Ag	107	3	He	25.096	8.7896	87402.89	0.3501	0.002425
Ag	107	3	He	25.662	8.9879	87665.13	0.3501	0.002425
Cd	111	3	He	24.262	1.1017	10900.33	0.0454	6.986E-05
Cd	111	3	He	24.228	1.1002	10940.34	0.0454	6.986E-05
Cd	111	3	He	24.606	1.1174	10898.32	0.0454	6.986E-05
Sn	120	3	He	25.023	0.7475	40339.86	0.0284	0.03615
Sn	120	3	He	24.042	0.7196	40279.55	0.0284	0.03615
Sn	120	3	He	25.171	0.7517	41804.19	0.0284	0.03615
Sb	121	3	He	25.05	0.6559	35396.00	0.0262	0.000803
Sb	121	3	He	24.13	0.6318	35366.29	0.0262	0.000803
Sb	121	3	He	23.322	0.6107	33962.72	0.0262	0.000803
Ba	137	3	He	248.502	2.4427	131829.49	0.0098	0.0007342
Ba	137	3	He	238.233	2.3418	131084.68	0.0098	0.0007342
Ba	137	3	He	240.226	2.3614	131326.67	0.0098	0.0007342
Tl	205	3	He	24.983	4.8618	262384.88	0.1945	0.002744
Tl	205	3	He	25.202	4.9043	274524.90	0.1945	0.002744
Tl	205	3	He	25.766	5.0141	278855.11	0.1945	0.002744
Pb	208	3	He	25.028	6.6421	188317.69	0.2651	0.006358
Pb	208	3	He	25.048	6.6475	197795.17	0.2651	0.006358
Pb	208	3	He	25.603	6.7946	200963.53	0.2651	0.006358
U	238	3	He	25.082	7.5795	409053.51	0.3022	0.0005338
U	238	3	He	25.083	7.5799	424291.83	0.3022	0.0005338
U	238	3	He	25.931	7.8361	435797.77	0.3022	0.0005338
Sc	45	1	No Gas			183973.88		
Sc	45	1	No Gas			185833.61		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			180813.08		
Ge	72	1	No Gas			118004.37		
Ge	72	1	No Gas			120211.04		
Ge	72	1	No Gas			116340.99		
Sc	45	2	H2			34842.46		
Sc	45	2	H2			34301.47		
Sc	45	2	H2			34992.74		
Ge	72	2	H2			26495.31		
Ge	72	2	H2			26775.70		
Ge	72	2	H2			25443.23		
In	115	2	H2			67585.28		
In	115	2	H2			67655.18		
In	115	2	H2			67032.85		
Sc	45	3	He			4740.97		
Sc	45	3	He			4820.96		
Sc	45	3	He			4810.95		
Ge	72	3	He			9893.74		
Ge	72	3	He			9943.95		
Ge	72	3	He			9753.71		
In	115	3	He			12576.06		
In	115	3	He			12015.67		
In	115	3	He			12786.28		
Tb	159	3	He			53968.73		
Tb	159	3	He			55976.25		
Tb	159	3	He			55614.42		
Bi	209	3	He			45800.97		
Bi	209	3	He			46523.38		
Bi	209	3	He			47246.04		

Quantitation Report

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Sample Type	CCB
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

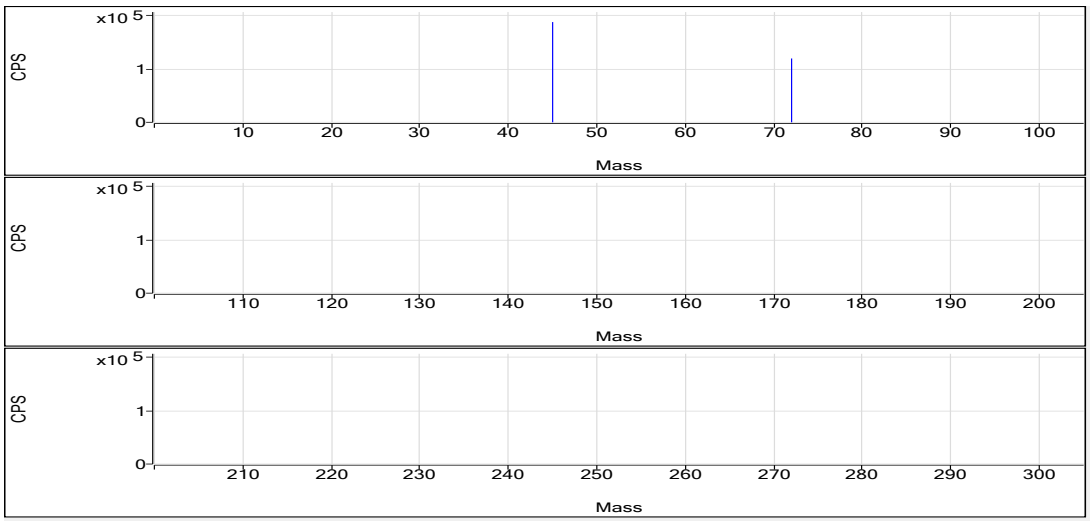
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.029	ppb	72.4	50.00	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.017	ppb	46.4	4.00	0.0001	Pulse	1.5000	3
Na	23	45	He	19.571	ppb	4.0	5934.70	1.2300	Pulse	0.1000	3
Mg	24	45	He	0.732	ppb	307.8	546.70	0.1134	Pulse	0.1000	3
Al	27	45	He	-1.149	ppb	N/A	23.33	0.0048	Pulse	0.1000	3
K	39	45	He	-7.976	ppb	N/A	6031.45	1.2499	Pulse	0.1000	3
Ca	44	115	He	2.864	ppb	312.4	66.67	0.0055	Pulse	0.1000	3
Ti	47	72	He	1.468	ppb	57.2	30.00	0.0030	Pulse	0.1000	3
V	51	45	He	0.022	ppb	92.5	212.00	0.0439	Pulse	0.5000	3
Cr	52	72	He	-0.083	ppb	N/A	746.72	0.0749	Pulse	0.1000	3
Mn	55	72	He	0.757	ppb	26.9	460.03	0.0461	Pulse	0.1000	3
Fe	57	45	He	1.953	ppb	91.8	153.34	0.0318	Pulse	0.1000	3
Co	59	72	He	0.002	ppb	968.3	103.33	0.0103	Pulse	0.1000	3
Ni	60	115	He	-0.017	ppb	N/A	220.01	0.0180	Pulse	0.1000	3
Cu	63	115	He	0.021	ppb	99.8	176.68	0.0145	Pulse	0.1000	3
Zn	66	115	He	1.371	ppb	27.8	300.01	0.0247	Pulse	0.1000	3
As	75	115	He	0.068	ppb	66.6	22.67	0.0019	Pulse	0.5000	3
Sr	88	72	He	-0.009	ppb	N/A	46.67	0.0047	Pulse	0.1000	3
Mo	98	159	He	0.010	ppb	228.4	123.34	0.0023	Pulse	0.1000	3
Ag	107	72	He	0.004	ppb	165.2	40.00	0.0040	Pulse	0.1000	3
Cd	111	72	He	0.003	ppb	152.3	2.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	0.109	ppb	156.8	2137.01	0.0392	Pulse	0.1000	3
Sb	121	159	He	0.053	ppb	56.7	120.00	0.0022	Pulse	0.1000	3
Ba	137	159	He	0.055	ppb	84.0	70.00	0.0013	Pulse	0.1000	3
Tl	205	159	He	0.001	ppb	652.9	156.68	0.0029	Pulse	0.1000	3
Pb	208	159	He	-0.003	ppb	N/A	303.35	0.0056	Pulse	0.1000	3
U	238	159	He	0.002	ppb	84.8	70.00	0.0013	Pulse	0.1000	3

ISTD Table:

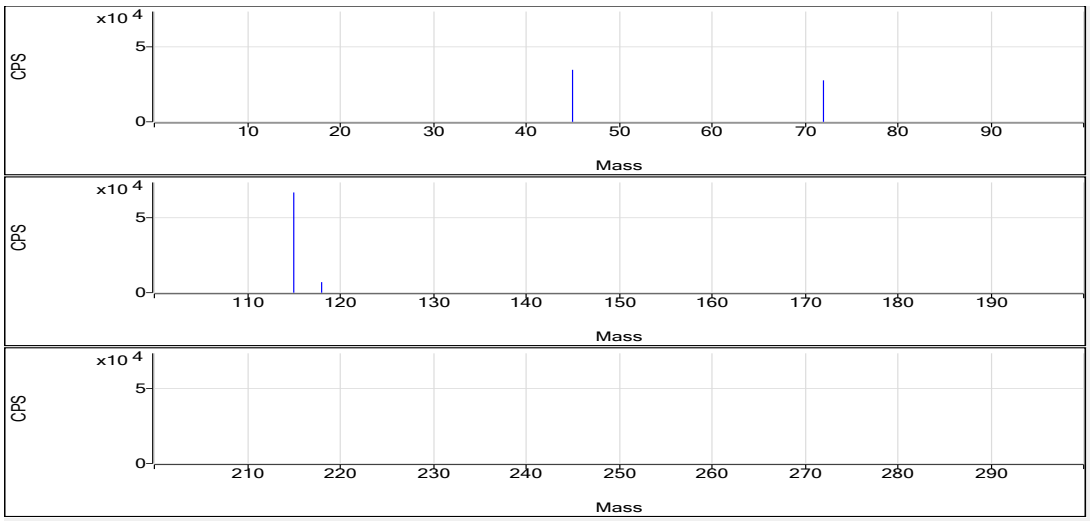
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	187752.70	2.2	102.4	Pulse	0.1000	3
No Gas	Ge	72	119560.99	0.9	106.8	Pulse	0.1000	3
H2	Sc	45	34434.75	0.9	101.5	Pulse	0.1000	3
H2	Ge	72	27470.54	3.1	106.2	Pulse	0.1000	3
H2	In	115	66368.95	0.8	103.8	Pulse	0.1000	3
He	Sc	45	4824.31	1.1	101.5	Pulse	0.1000	3
He	Ge	72	9980.47	1.6	102.6	Pulse	0.1000	3
He	In	115	12175.58	1.6	104.0	Pulse	0.1000	3
He	Tb	159	54524.40	2.5	109.3	Pulse	0.1000	3
He	Bi	209	46249.42	0.8	113.1	Pulse	0.1000	3

No Gas

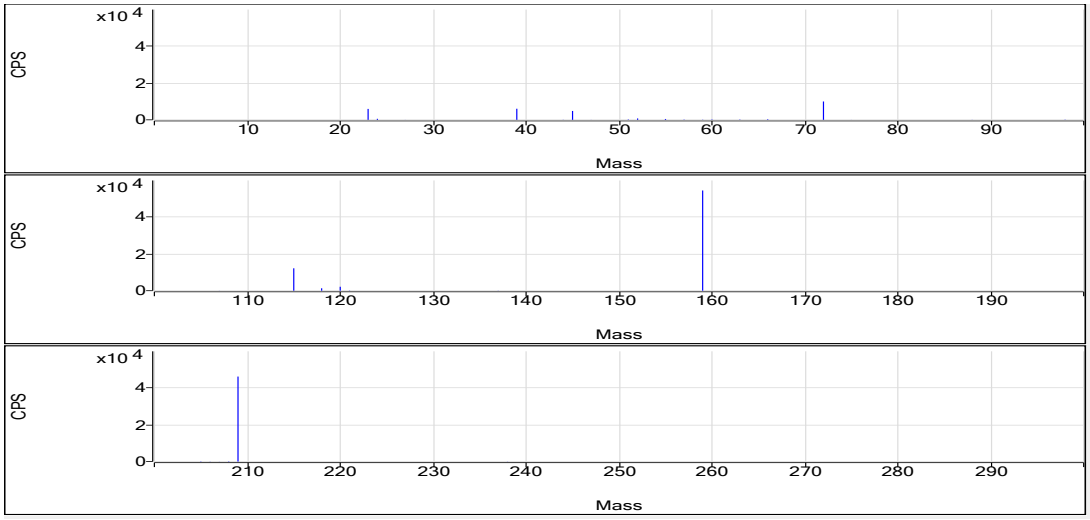


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.046	0.0003	62.00	0.0035	0.0001638
Be	9	1	No Gas	0.005	0.0002	34.00	0.0035	0.0001638
Be	9	1	No Gas	0.037	0.0003	54.00	0.0035	0.0001638
Se	78	2	H2	0.025	0.0002	4.67	0.0035	8.664E-05
Se	78	2	H2	0.01	0.0001	3.33	0.0035	8.664E-05
Se	78	2	H2	0.016	0.0001	4.00	0.0035	8.664E-05
Na	23	3	He	20.4	1.248	6091.44	0.0216	0.8064
Na	23	3	He	19.488	1.2283	5921.38	0.0216	0.8064
Na	23	3	He	18.824	1.2139	5791.28	0.0216	0.8064
Mg	24	3	He	-1.023	0.0942	460.02	0.0109	0.1054
Mg	24	3	He	3.275	0.1411	680.04	0.0109	0.1054
Mg	24	3	He	-0.054	0.1048	500.03	0.0109	0.1054
Al	27	3	He	-1.906	0.002	10.00	0.0037	0.009095
Al	27	3	He	-0.216	0.0083	40.00	0.0037	0.009095
Al	27	3	He	-1.326	0.0042	20.00	0.0037	0.009095
K	39	3	He	-2.343	1.3054	6371.60	0.0099	1.328
K	39	3	He	-10.593	1.2241	5901.37	0.0099	1.328
K	39	3	He	-10.993	1.2202	5821.37	0.0099	1.328
Ca	44	3	He	8.255	0.0067	80.00	0.0002	0.004867
Ca	44	3	He	7.801	0.0066	80.00	0.0002	0.004867
Ca	44	3	He	-7.464	0.0032	40.00	0.0002	0.004867
Ti	47	3	He	0.499	0.001	10.00	0.002	0
Ti	47	3	He	1.933	0.0039	40.00	0.002	0
Ti	47	3	He	1.972	0.004	40.00	0.002	0
V	51	3	He	0.029	0.0451	220.00	0.1638	0.04039
V	51	3	He	-0.001	0.0402	194.00	0.1638	0.04039
V	51	3	He	0.038	0.0465	222.00	0.1638	0.04039
Cr	52	3	He	0.028	0.0864	850.05	0.1041	0.08357
Cr	52	3	He	-0.131	0.0699	710.05	0.1041	0.08357
Cr	52	3	He	-0.146	0.0683	680.05	0.1041	0.08357
Mn	55	3	He	0.891	0.0529	520.03	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.858	0.0512	520.03	0.0509	0.00756
Mn	55	3	He	0.523	0.0342	340.02	0.0509	0.00756
Fe	57	3	He	0.208	0.0246	120.01	0.0041	0.02373
Fe	57	3	He	3.789	0.0394	190.01	0.0041	0.02373
Fe	57	3	He	1.863	0.0314	150.01	0.0041	0.02373
Co	59	3	He	0.001	0.0102	100.00	0.1966	0.009981
Co	59	3	He	0.019	0.0138	140.00	0.1966	0.009981
Co	59	3	He	-0.015	0.007	70.00	0.1966	0.009981
Ni	60	3	He	-0.01	0.0184	220.01	0.0432	0.01878
Ni	60	3	He	-0.111	0.014	170.01	0.0432	0.01878
Ni	60	3	He	0.07	0.0218	270.01	0.0432	0.01878
Cu	63	3	He	0.046	0.0175	210.01	0.1222	0.01194
Cu	63	3	He	0.01	0.0132	160.01	0.1222	0.01194
Cu	63	3	He	0.008	0.0129	160.01	0.1222	0.01194
Zn	66	3	He	1.653	0.0292	350.02	0.0159	0.002839
Zn	66	3	He	1.523	0.0271	330.01	0.0159	0.002839
Zn	66	3	He	0.937	0.0178	220.01	0.0159	0.002839
As	75	3	He	0.116	0.0025	30.00	0.0132	0.0009658
As	75	3	He	0.026	0.0013	16.00	0.0132	0.0009658
As	75	3	He	0.061	0.0018	22.00	0.0132	0.0009658
Sr	88	3	He	-0.04	0.002	20.00	0.0864	0.005458
Sr	88	3	He	0.005	0.0059	60.00	0.0864	0.005458
Sr	88	3	He	0.007	0.006	60.00	0.0864	0.005458
Mo	98	3	He	-0.014	0.0015	80.00	0.0303	0.001942
Mo	98	3	He	0.032	0.0029	160.01	0.0303	0.001942
Mo	98	3	He	0.013	0.0023	130.00	0.0303	0.001942
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Ag	107	3	He	0.013	0.0069	70.00	0.3501	0.002425
Ag	107	3	He	0.002	0.003	30.00	0.3501	0.002425
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	-0.002	0	0.00	0.0454	6.986E-05
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Sn	120	3	He	0.154	0.0405	2150.26	0.0284	0.03615
Sn	120	3	He	0.253	0.0433	2370.55	0.0284	0.03615
Sn	120	3	He	-0.08	0.0339	1890.23	0.0284	0.03615
Sb	121	3	He	0.027	0.0015	80.00	0.0262	0.000803
Sb	121	3	He	0.046	0.002	110.00	0.0262	0.000803
Sb	121	3	He	0.086	0.003	170.01	0.0262	0.000803
Ba	137	3	He	0.04	0.0011	60.00	0.0098	0.0007342
Ba	137	3	He	0.018	0.0009	50.00	0.0098	0.0007342
Ba	137	3	He	0.108	0.0018	100.00	0.0098	0.0007342
Tl	205	3	He	-0.002	0.0025	130.01	0.1945	0.002744
Tl	205	3	He	-0.002	0.0024	130.01	0.1945	0.002744
Tl	205	3	He	0.005	0.0038	210.01	0.1945	0.002744
Pb	208	3	He	0.004	0.0073	240.01	0.2651	0.006358
Pb	208	3	He	-0.007	0.0044	150.01	0.2651	0.006358
Pb	208	3	He	-0.005	0.005	170.01	0.2651	0.006358
U	238	3	He	0.001	0.0008	40.00	0.3022	0.0005338
U	238	3	He	0.002	0.0011	60.00	0.3022	0.0005338
U	238	3	He	0.005	0.002	110.00	0.3022	0.0005338
Sc	45	1	No Gas			192419.67		
Sc	45	1	No Gas			186646.03		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			184192.40		
Ge	72	1	No Gas			119648.32		
Ge	72	1	No Gas			120535.38		
Ge	72	1	No Gas			118499.26		
Sc	45	2	H2			34511.49		
Sc	45	2	H2			34682.27		
Sc	45	2	H2			34110.50		
Ge	72	2	H2			26605.58		
Ge	72	2	H2			27517.39		
Ge	72	2	H2			28288.64		
In	115	2	H2			66419.32		
In	115	2	H2			66881.31		
In	115	2	H2			65806.21		
Sc	45	3	He			4881.02		
Sc	45	3	He			4820.97		
Sc	45	3	He			4770.94		
Ge	72	3	He			9833.66		
Ge	72	3	He			10153.97		
Ge	72	3	He			9953.79		
In	115	3	He			11995.62		
In	115	3	He			12175.87		
In	115	3	He			12385.99		
Tb	159	3	He			53064.97		
Tb	159	3	He			54711.72		
Tb	159	3	He			55796.52		
Bi	209	3	He			45911.42		
Bi	209	3	He			46634.14		
Bi	209	3	He			46202.71		

Quantitation Report

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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

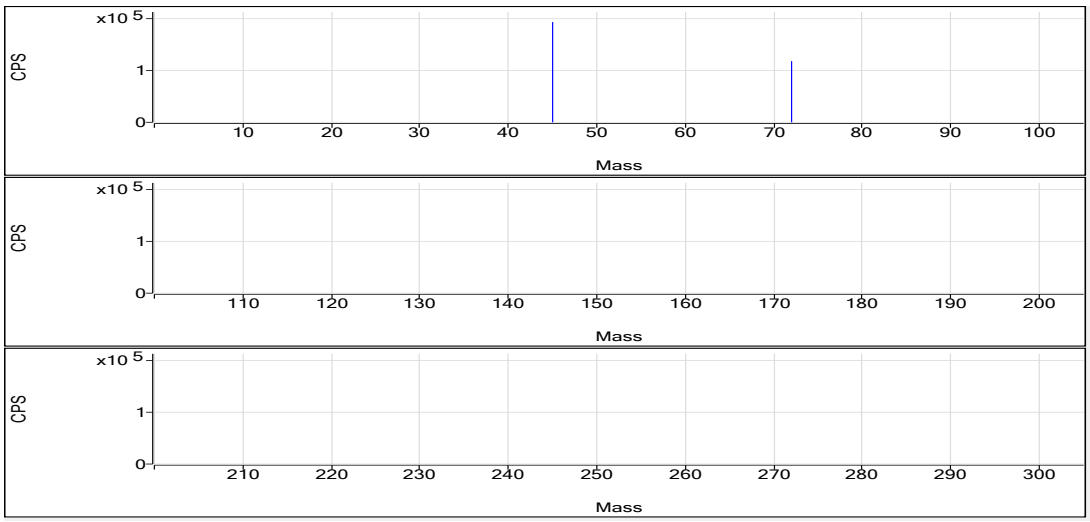
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.039	ppb	30.7	58.00	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.002	ppb	517.2	2.67	0.0001	Pulse	1.5000	3
Na	23	45	He	176834.160	ppb	4.1	17939680.15	3 828.6025	Analog	0.1000	3
Mg	24	45	He	921.491	ppb	2.9	47537.22	10.1419	Pulse	0.1000	3
Al	27	45	He	1.369	ppb	57.0	66.67	0.0142	Pulse	0.1000	3
K	39	45	He	1213.834	ppb	3.9	62270.01	13.2864	Pulse	0.1000	3
Ca	44	115	He	1550.873	ppb	4.1	4374.14	0.3445	Pulse	0.1000	3
Ti	47	72	He	0.498	ppb	97.9	10.00	0.0010	Pulse	0.1000	3
V	51	45	He	-0.014	ppb	N/A	178.00	0.0380	Pulse	0.5000	3
Cr	52	72	He	-0.275	ppb	N/A	536.70	0.0549	Pulse	0.1000	3
Mn	55	72	He	13238.828	ppb	3.3	6582175.53	673.6884	Analog	0.1000	3
Fe	57	45	He	130.649	ppb	7.1	2643.67	0.5646	Pulse	0.1000	3
Co	59	72	He	2.252	ppb	3.7	4424.18	0.4529	Pulse	0.1000	3
Ni	60	115	He	38.306	ppb	3.8	21232.88	1.6720	Pulse	0.1000	3
Cu	63	115	He	16.522	ppb	2.4	25780.45	2.0303	Pulse	0.1000	3
Zn	66	115	He	96614.062	ppb	0.3	19561320.54	1 540.5585	Analog	0.1000	3
As	75	115	He	0.046	ppb	46.5	20.00	0.0016	Pulse	0.5000	3
Sr	88	72	He	4.687	ppb	10.0	4004.03	0.4103	Pulse	0.1000	3
Mo	98	159	He	0.002	ppb	406.8	113.33	0.0020	Pulse	0.1000	3
Ag	107	72	He	-0.001	ppb	N/A	20.00	0.0020	Pulse	0.1000	3
Cd	111	72	He	0.345	ppb	17.2	153.33	0.0157	Pulse	0.5000	3
Sn	120	159	He	0.188	ppb	23.6	2356.95	0.0415	Pulse	0.1000	3
Sb	121	159	He	0.061	ppb	33.3	136.67	0.0024	Pulse	0.1000	3
Ba	137	159	He	18.201	ppb	1.0	10204.20	0.1796	Pulse	0.1000	3
Tl	205	159	He	0.034	ppb	7.8	533.37	0.0094	Pulse	0.1000	3
Pb	208	159	He	0.047	ppb	11.6	1073.39	0.0189	Pulse	0.1000	3
U	238	159	He	0.001	ppb	26.8	53.33	0.0009	Pulse	0.1000	3

ISTD Table:

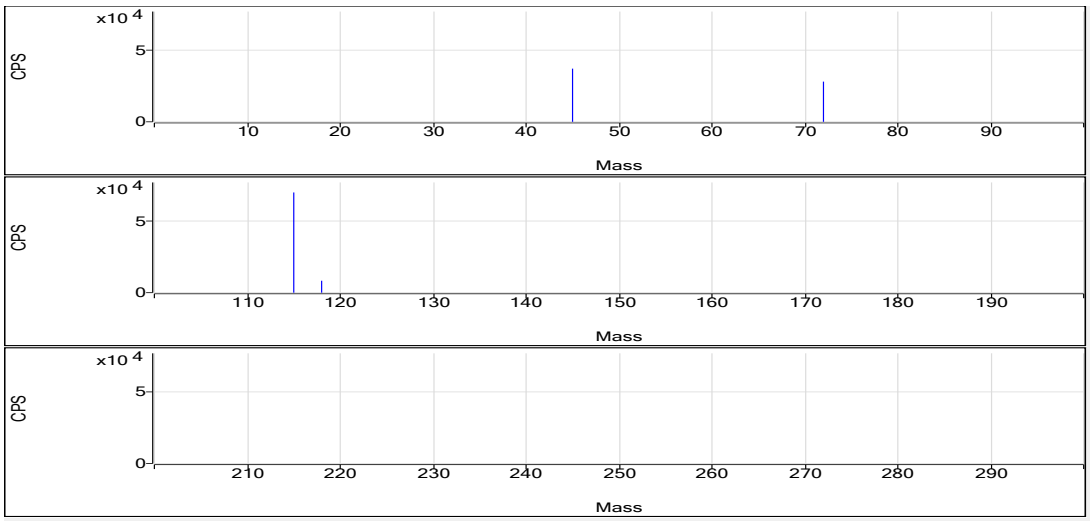
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	193909.63	0.6	105.8	Pulse	0.1000	3
No Gas	Ge	72	118414.99	1.7	105.7	Pulse	0.1000	3
H2	Sc	45	37295.31	0.5	110.0	Pulse	0.1000	3
H2	Ge	72	28195.30	0.9	109.0	Pulse	0.1000	3
H2	In	115	70305.26	0.5	110.0	Pulse	0.1000	3
He	Sc	45	4690.93	4.1	98.7	Pulse	0.1000	3
He	Ge	72	9777.00	3.2	100.5	Pulse	0.1000	3
He	In	115	12697.35	0.8	108.4	Pulse	0.1000	3
He	Tb	159	56820.35	0.8	113.9	Pulse	0.1000	3
He	Bi	209	46981.87	4.5	114.9	Pulse	0.1000	3

No Gas

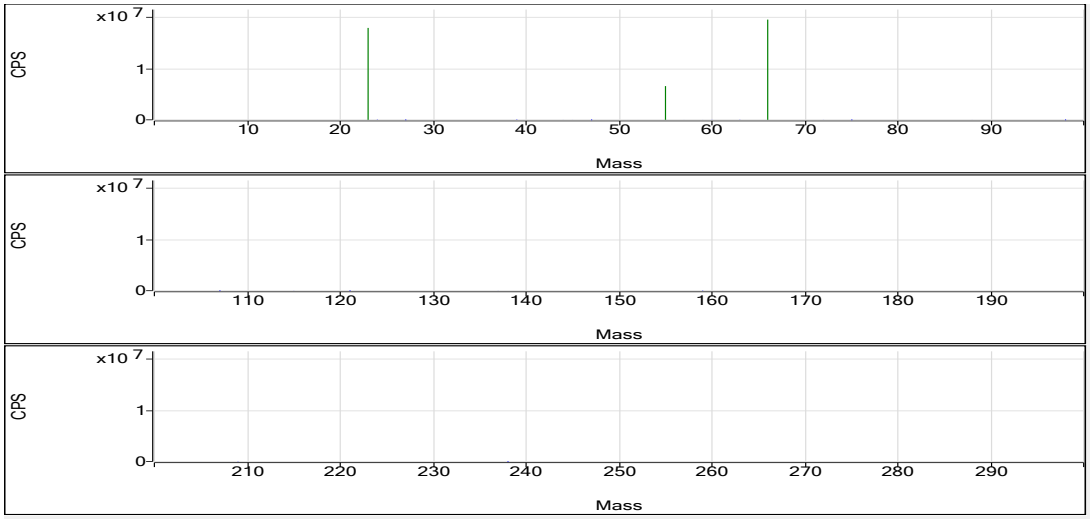


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.038	0.0003	58.00	0.0035	0.0001638
Be	9	1	No Gas	0.051	0.0003	66.00	0.0035	0.0001638
Be	9	1	No Gas	0.027	0.0003	50.00	0.0035	0.0001638
Se	78	2	H2	0.015	0.0001	4.00	0.0035	8.664E-05
Se	78	2	H2	-0.005	0.0001	2.00	0.0035	8.664E-05
Se	78	2	H2	-0.004	0.0001	2.00	0.0035	8.664E-05
Na	23	3	He	170999.328	3702.3003	17996844.73	0.0216	0.8064
Na	23	3	He	184891.237	4003.008	17936918.48	0.0216	0.8064
Na	23	3	He	174611.914	3780.4992	17885277.23	0.0216	0.8064
Mg	24	3	He	894.641	9.8494	47878.05	0.0109	0.1054
Mg	24	3	He	948.958	10.441	46784.88	0.0109	0.1054
Mg	24	3	He	920.873	10.1352	47948.73	0.0109	0.1054
Al	27	3	He	1.435	0.0144	70.00	0.0037	0.009095
Al	27	3	He	0.558	0.0112	50.00	0.0037	0.009095
Al	27	3	He	2.114	0.0169	80.00	0.0037	0.009095
K	39	3	He	1189.882	13.0504	63437.95	0.0099	1.328
K	39	3	He	1268.835	13.8282	61962.26	0.0099	1.328
K	39	3	He	1182.785	12.9805	61409.82	0.0099	1.328
Ca	44	3	He	1503.246	0.3341	4280.76	0.0002	0.004867
Ca	44	3	He	1622.097	0.3601	4560.89	0.0002	0.004867
Ca	44	3	He	1527.278	0.3394	4280.76	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0.52	0.0011	10.00	0.002	0
Ti	47	3	He	0.975	0.002	20.00	0.002	0
V	51	3	He	-0.02	0.037	180.00	0.1638	0.04039
V	51	3	He	0.012	0.0424	190.00	0.1638	0.04039
V	51	3	He	-0.035	0.0347	164.00	0.1638	0.04039
Cr	52	3	He	-0.275	0.055	540.03	0.1041	0.08357
Cr	52	3	He	-0.264	0.0561	530.03	0.1041	0.08357
Cr	52	3	He	-0.287	0.0537	540.03	0.1041	0.08357
Mn	55	3	He	13290.66	676.326	6644036.78	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	13643.742	694.2931	6556459.90	0.0509	0.00756
Mn	55	3	He	12782.081	650.446	6546029.90	0.0509	0.00756
Fe	57	3	He	121.99	0.5288	2570.34	0.0041	0.02373
Fe	57	3	He	140.372	0.6049	2710.34	0.0041	0.02373
Fe	57	3	He	129.585	0.5602	2650.33	0.0041	0.02373
Co	59	3	He	2.264	0.4551	4470.91	0.1966	0.009981
Co	59	3	He	2.33	0.4681	4420.82	0.1966	0.009981
Co	59	3	He	2.163	0.4353	4380.81	0.1966	0.009981
Ni	60	3	He	39.87	1.7395	22287.69	0.0432	0.01878
Ni	60	3	He	37.007	1.6159	20465.13	0.0432	0.01878
Ni	60	3	He	38.04	1.6605	20945.81	0.0432	0.01878
Cu	63	3	He	16.81	2.0655	26464.97	0.1222	0.01194
Cu	63	3	He	16.076	1.9758	25022.44	0.1222	0.01194
Cu	63	3	He	16.68	2.0496	25853.95	0.1222	0.01194
Zn	66	3	He	96934.539	1545.6687	19804668.45	0.0159	0.002839
Zn	66	3	He	96486.87	1538.5304	19485118.46	0.0159	0.002839
Zn	66	3	He	96420.776	1537.4765	19394174.71	0.0159	0.002839
As	75	3	He	0.021	0.0012	16.00	0.0132	0.0009658
As	75	3	He	0.058	0.0017	22.00	0.0132	0.0009658
As	75	3	He	0.059	0.0017	22.00	0.0132	0.0009658
Sr	88	3	He	4.899	0.4286	4210.77	0.0864	0.005458
Sr	88	3	He	5.013	0.4385	4140.72	0.0864	0.005458
Sr	88	3	He	4.148	0.3637	3660.61	0.0864	0.005458
Mo	98	3	He	0.006	0.0021	120.00	0.0303	0.001942
Mo	98	3	He	0.006	0.0021	120.00	0.0303	0.001942
Mo	98	3	He	-0.006	0.0017	100.00	0.0303	0.001942
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.0011	10.00	0.3501	0.002425
Ag	107	3	He	0.004	0.004	40.00	0.3501	0.002425
Cd	111	3	He	0.335	0.0153	150.00	0.0454	6.986E-05
Cd	111	3	He	0.409	0.0186	176.00	0.0454	6.986E-05
Cd	111	3	He	0.292	0.0133	134.00	0.0454	6.986E-05
Sn	120	3	He	0.239	0.0429	2420.28	0.0284	0.03615
Sn	120	3	He	0.165	0.0408	2320.27	0.0284	0.03615
Sn	120	3	He	0.16	0.0407	2330.29	0.0284	0.03615
Sb	121	3	He	0.044	0.002	110.00	0.0262	0.000803
Sb	121	3	He	0.084	0.003	170.01	0.0262	0.000803
Sb	121	3	He	0.056	0.0023	130.00	0.0262	0.000803
Ba	137	3	He	18.365	0.1812	10214.28	0.0098	0.0007342
Ba	137	3	He	18	0.1776	10094.04	0.0098	0.0007342
Ba	137	3	He	18.237	0.1799	10304.27	0.0098	0.0007342
Tl	205	3	He	0.036	0.0098	550.04	0.1945	0.002744
Tl	205	3	He	0.031	0.0088	500.03	0.1945	0.002744
Tl	205	3	He	0.035	0.0096	550.03	0.1945	0.002744
Pb	208	3	He	0.041	0.0172	500.03	0.2651	0.006358
Pb	208	3	He	0.05	0.0197	620.04	0.2651	0.006358
Pb	208	3	He	0.05	0.0197	530.04	0.2651	0.006358
U	238	3	He	0.002	0.0011	60.00	0.3022	0.0005338
U	238	3	He	0.001	0.0009	50.00	0.3022	0.0005338
U	238	3	He	0.001	0.0009	50.00	0.3022	0.0005338
Sc	45	1	No Gas			195173.92		
Sc	45	1	No Gas			193237.65		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			193317.32		
Ge	72	1	No Gas			118297.52		
Ge	72	1	No Gas			116471.90		
Ge	72	1	No Gas			120475.54		
Sc	45	2	H2			37529.59		
Sc	45	2	H2			37198.19		
Sc	45	2	H2			37158.16		
Ge	72	2	H2			28339.02		
Ge	72	2	H2			28358.77		
Ge	72	2	H2			27888.11		
In	115	2	H2			69967.22		
In	115	2	H2			70690.58		
In	115	2	H2			70257.98		
Sc	45	3	He			4860.99		
Sc	45	3	He			4480.86		
Sc	45	3	He			4730.93		
Ge	72	3	He			9823.72		
Ge	72	3	He			9443.36		
Ge	72	3	He			10063.91		
In	115	3	He			12826.27		
In	115	3	He			12676.15		
In	115	3	He			12626.15		
Tb	159	3	He			56368.46		
Tb	159	3	He			56830.33		
Tb	159	3	He			57262.27		
Bi	209	3	He			44626.81		
Bi	209	3	He			47537.29		
Bi	209	3	He			48781.51		

Quantitation Report

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Acq Time	6/12/2025 7:40:22 PM
Sample Name	410-225404-A-3-B
Sample Type	Sample
Comment	D8
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

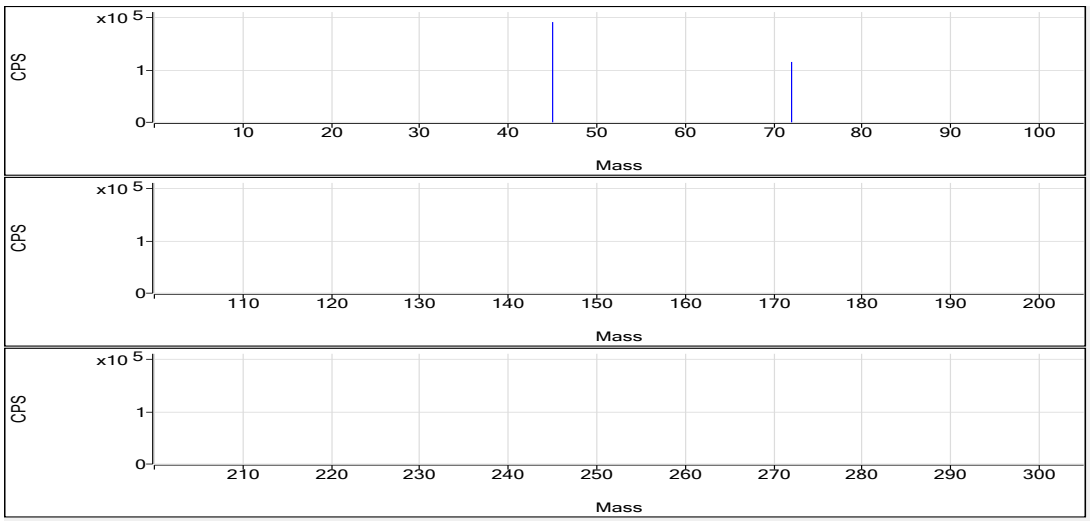
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.018	ppb	64.9	43.33	0.0002	Pulse	0.5000	3
Se	78	72	H2	-0.008	ppb	N/A	1.56	0.0001	Pulse	1.5000	3
Na	23	45	He	122090.163	ppb	0.4	13265420.22	2 643.6004	Analog	0.1000	3
Mg	24	45	He	2607.418	ppb	0.8	143037.46	28.5043	Pulse	0.1000	3
Al	27	45	He	0.043	ppb	2806.3	46.67	0.0093	Pulse	0.1000	3
K	39	45	He	771.424	ppb	0.2	44799.23	8.9280	Pulse	0.1000	3
Ca	44	115	He	1434.671	ppb	4.4	3964.03	0.3191	Pulse	0.1000	3
Ti	47	72	He	0.000	ppb	N/A	0.00	0.0000	Pulse	0.1000	3
V	51	45	He	-0.073	ppb	N/A	142.67	0.0284	Pulse	0.5000	3
Cr	52	72	He	-0.284	ppb	N/A	526.70	0.0540	Pulse	0.1000	3
Mn	55	72	He	1202.440	ppb	5.1	598954.78	61.1958	Pulse	0.1000	3
Fe	57	45	He	0.070	ppb	4289.3	120.01	0.0240	Pulse	0.1000	3
Co	59	72	He	3.795	ppb	6.3	7398.79	0.7562	Pulse	0.1000	3
Ni	60	115	He	2.159	ppb	12.6	1390.12	0.1119	Pulse	0.1000	3
Cu	63	115	He	1.179	ppb	6.1	1936.87	0.1559	Pulse	0.1000	3
Zn	66	115	He	84132.106	ppb	0.3	16670225.59	1 341.5280	Analog	0.1000	3
As	75	115	He	0.057	ppb	70.0	21.33	0.0017	Pulse	0.5000	3
Sr	88	72	He	2.729	ppb	8.2	2370.28	0.2412	Pulse	0.1000	3
Mo	98	159	He	0.781	ppb	11.6	1466.80	0.0256	Pulse	0.1000	3
Ag	107	72	He	0.002	ppb	329.7	30.00	0.0030	Pulse	0.1000	3
Cd	111	72	He	0.118	ppb	19.8	52.67	0.0054	Pulse	0.5000	3
Sn	120	159	He	-0.024	ppb	N/A	2023.55	0.0355	Pulse	0.1000	3
Sb	121	159	He	0.105	ppb	19.7	203.34	0.0036	Pulse	0.1000	3
Ba	137	159	He	10.024	ppb	3.8	5674.74	0.0992	Pulse	0.1000	3
Tl	205	159	He	-0.002	ppb	N/A	136.67	0.0024	Pulse	0.1000	3
Pb	208	159	He	0.027	ppb	24.3	780.04	0.0136	Pulse	0.1000	3
U	238	159	He	0.000	ppb	338.3	36.67	0.0006	Pulse	0.1000	3

ISTD Table:

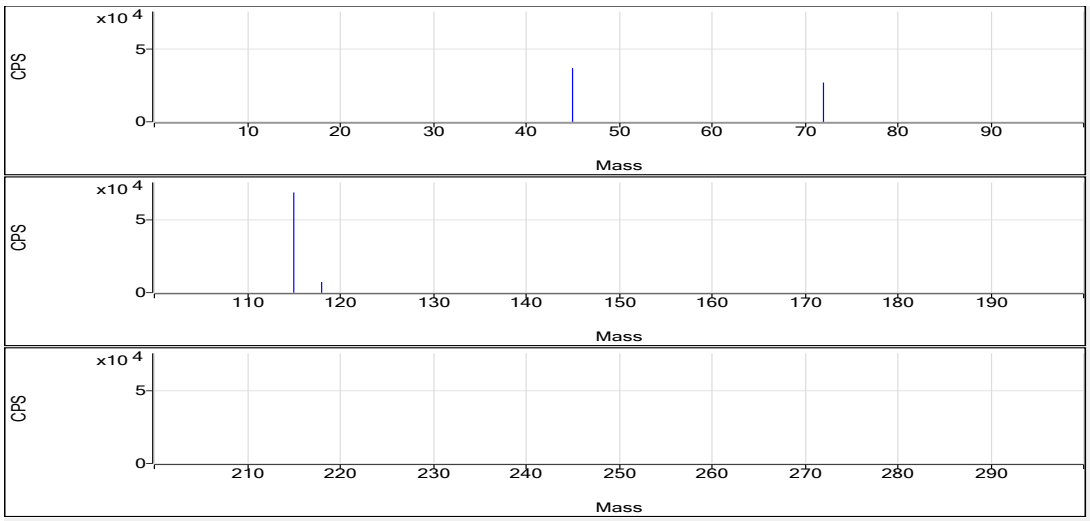
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	191405.58	1.0	104.4	Pulse	0.1000	3
No Gas	Ge	72	115252.13	1.8	102.9	Pulse	0.1000	3
H2	Sc	45	37021.48	3.4	109.2	Pulse	0.1000	3
H2	Ge	72	27066.46	0.9	104.6	Pulse	0.1000	3
H2	In	115	69112.54	1.3	108.1	Pulse	0.1000	3
He	Sc	45	5017.73	1.5	105.5	Pulse	0.1000	3
He	Ge	72	9807.07	5.9	100.8	Pulse	0.1000	3
He	In	115	12426.09	1.0	106.1	Pulse	0.1000	3
He	Tb	159	57168.74	2.6	114.6	Pulse	0.1000	3
He	Bi	209	47928.72	1.1	117.2	Pulse	0.1000	3

No Gas

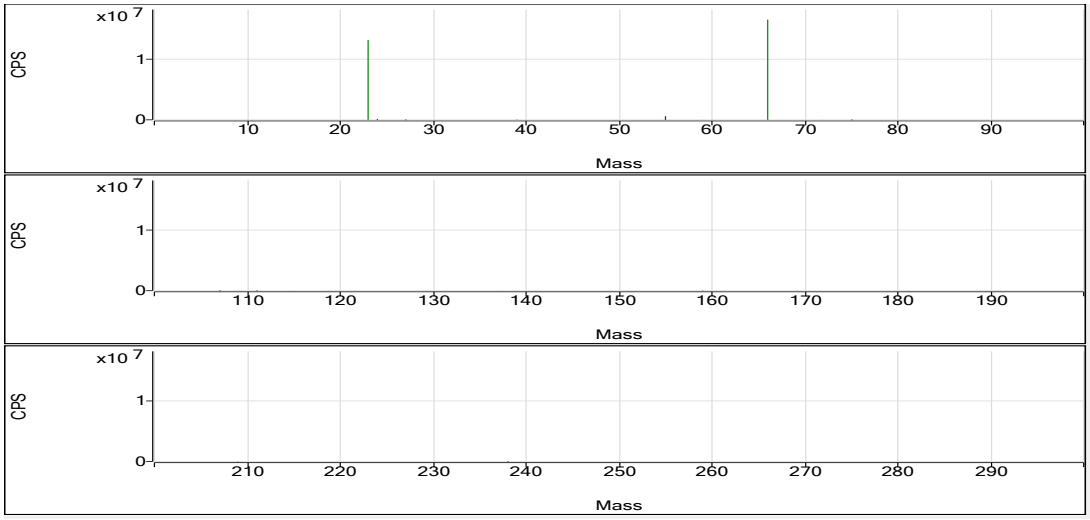


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.025	0.0003	48.00	0.0035	0.0001638
Be	9	1	No Gas	0.004	0.0002	34.00	0.0035	0.0001638
Be	9	1	No Gas	0.024	0.0002	48.00	0.0035	0.0001638
Se	78	2	H2	-0.004	0.0001	2.00	0.0035	8.664E-05
Se	78	2	H2	0.004	0.0001	2.67	0.0035	8.664E-05
Se	78	2	H2	-0.025	0	0.00	0.0035	8.664E-05
Na	23	3	He	122343.138	2649.0763	13460142.30	0.0216	0.8064
Na	23	3	He	122423.474	2650.8153	13362998.55	0.0216	0.8064
Na	23	3	He	121503.876	2630.9095	12973119.81	0.0216	0.8064
Mg	24	3	He	2628.98	28.7391	146025.57	0.0109	0.1054
Mg	24	3	He	2604.315	28.4705	143522.32	0.0109	0.1054
Mg	24	3	He	2588.96	28.3033	139564.50	0.0109	0.1054
Al	27	3	He	0.734	0.0118	60.00	0.0037	0.009095
Al	27	3	He	0.759	0.0119	60.00	0.0037	0.009095
Al	27	3	He	-1.363	0.0041	20.00	0.0037	0.009095
K	39	3	He	773.571	8.9492	45471.45	0.0099	1.328
K	39	3	He	770.471	8.9187	44959.72	0.0099	1.328
K	39	3	He	770.23	8.9163	43966.53	0.0099	1.328
Ca	44	3	He	1380.435	0.3072	3820.68	0.0002	0.004867
Ca	44	3	He	1419.331	0.3157	3960.66	0.0002	0.004867
Ca	44	3	He	1504.246	0.3343	4110.75	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	-0.071	0.0287	146.00	0.1638	0.04039
V	51	3	He	-0.077	0.0278	140.00	0.1638	0.04039
V	51	3	He	-0.071	0.0288	142.00	0.1638	0.04039
Cr	52	3	He	-0.325	0.0497	480.03	0.1041	0.08357
Cr	52	3	He	-0.352	0.0469	490.03	0.1041	0.08357
Cr	52	3	He	-0.174	0.0654	610.04	0.1041	0.08357
Mn	55	3	He	1220.107	62.0948	599442.30	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	1134.259	57.7263	602901.94	0.0509	0.00756
Mn	55	3	He	1252.955	63.7664	594520.11	0.0509	0.00756
Fe	57	3	He	-3.354	0.0098	50.00	0.0041	0.02373
Fe	57	3	He	1.456	0.0298	150.01	0.0041	0.02373
Fe	57	3	He	2.107	0.0324	160.01	0.0041	0.02373
Co	59	3	He	3.78	0.7533	7272.06	0.1966	0.009981
Co	59	3	He	3.563	0.7107	7422.15	0.1966	0.009981
Co	59	3	He	4.041	0.8047	7502.15	0.1966	0.009981
Ni	60	3	He	2.062	0.1078	1340.12	0.0432	0.01878
Ni	60	3	He	1.948	0.1028	1290.10	0.0432	0.01878
Ni	60	3	He	2.467	0.1253	1540.13	0.0432	0.01878
Cu	63	3	He	1.127	0.1496	1860.19	0.1222	0.01194
Cu	63	3	He	1.149	0.1523	1910.18	0.1222	0.01194
Cu	63	3	He	1.261	0.1659	2040.24	0.1222	0.01194
Zn	66	3	He	84386.567	1345.5855	16735316.00	0.0159	0.002839
Zn	66	3	He	84197.778	1342.5752	16842592.25	0.0159	0.002839
Zn	66	3	He	83811.974	1336.4234	16432768.51	0.0159	0.002839
As	75	3	He	0.085	0.0021	26.00	0.0132	0.0009658
As	75	3	He	0.011	0.0011	14.00	0.0132	0.0009658
As	75	3	He	0.074	0.002	24.00	0.0132	0.0009658
Sr	88	3	He	2.875	0.2538	2450.30	0.0864	0.005458
Sr	88	3	He	2.841	0.2509	2620.33	0.0864	0.005458
Sr	88	3	He	2.47	0.2188	2040.22	0.0864	0.005458
Mo	98	3	He	0.691	0.0229	1280.10	0.0303	0.001942
Mo	98	3	He	0.871	0.0284	1610.15	0.0303	0.001942
Mo	98	3	He	0.782	0.0257	1510.14	0.0303	0.001942
Ag	107	3	He	0.002	0.0031	30.00	0.3501	0.002425
Ag	107	3	He	0.007	0.0048	50.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.0011	10.00	0.3501	0.002425
Cd	111	3	He	0.126	0.0058	56.00	0.0454	6.986E-05
Cd	111	3	He	0.091	0.0042	44.00	0.0454	6.986E-05
Cd	111	3	He	0.135	0.0062	58.00	0.0454	6.986E-05
Sn	120	3	He	0.094	0.0388	2170.24	0.0284	0.03615
Sn	120	3	He	0.018	0.0367	2080.23	0.0284	0.03615
Sn	120	3	He	-0.183	0.0309	1820.19	0.0284	0.03615
Sb	121	3	He	0.106	0.0036	200.01	0.0262	0.000803
Sb	121	3	He	0.084	0.003	170.01	0.0262	0.000803
Sb	121	3	He	0.125	0.0041	240.01	0.0262	0.000803
Ba	137	3	He	9.626	0.0953	5331.28	0.0098	0.0007342
Ba	137	3	He	10.382	0.1028	5831.50	0.0098	0.0007342
Ba	137	3	He	10.064	0.0996	5861.45	0.0098	0.0007342
Tl	205	3	He	0.002	0.0032	180.01	0.1945	0.002744
Tl	205	3	He	-0.003	0.0021	120.01	0.1945	0.002744
Tl	205	3	He	-0.004	0.0019	110.00	0.1945	0.002744
Pb	208	3	He	0.021	0.012	290.01	0.2651	0.006358
Pb	208	3	He	0.035	0.0155	470.02	0.2651	0.006358
Pb	208	3	He	0.027	0.0134	360.02	0.2651	0.006358
U	238	3	He	-0.001	0.0004	20.00	0.3022	0.0005338
U	238	3	He	0	0.0005	30.00	0.3022	0.0005338
U	238	3	He	0.002	0.001	60.00	0.3022	0.0005338
Sc	45	1	No Gas			191293.79		
Sc	45	1	No Gas			189510.58		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			193412.36		
Ge	72	1	No Gas			116593.10		
Ge	72	1	No Gas			112832.30		
Ge	72	1	No Gas			116331.00		
Sc	45	2	H2			37238.61		
Sc	45	2	H2			35684.76		
Sc	45	2	H2			38141.06		
Ge	72	2	H2			27306.74		
Ge	72	2	H2			26826.11		
Ge	72	2	H2			27066.52		
In	115	2	H2			68117.81		
In	115	2	H2			69413.76		
In	115	2	H2			69806.05		
Sc	45	3	He			5081.07		
Sc	45	3	He			5041.09		
Sc	45	3	He			4931.04		
Ge	72	3	He			9653.66		
Ge	72	3	He			10444.15		
Ge	72	3	He			9323.41		
In	115	3	He			12446.01		
In	115	3	He			12556.14		
In	115	3	He			12305.99		
Tb	159	3	He			55926.38		
Tb	159	3	He			56750.09		
Tb	159	3	He			58829.75		
Bi	209	3	He			47687.89		
Bi	209	3	He			47547.67		
Bi	209	3	He			48550.59		

Quantitation Report

Data File Name	102SMPL.d
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Sample Type	Sample
Comment	D8
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

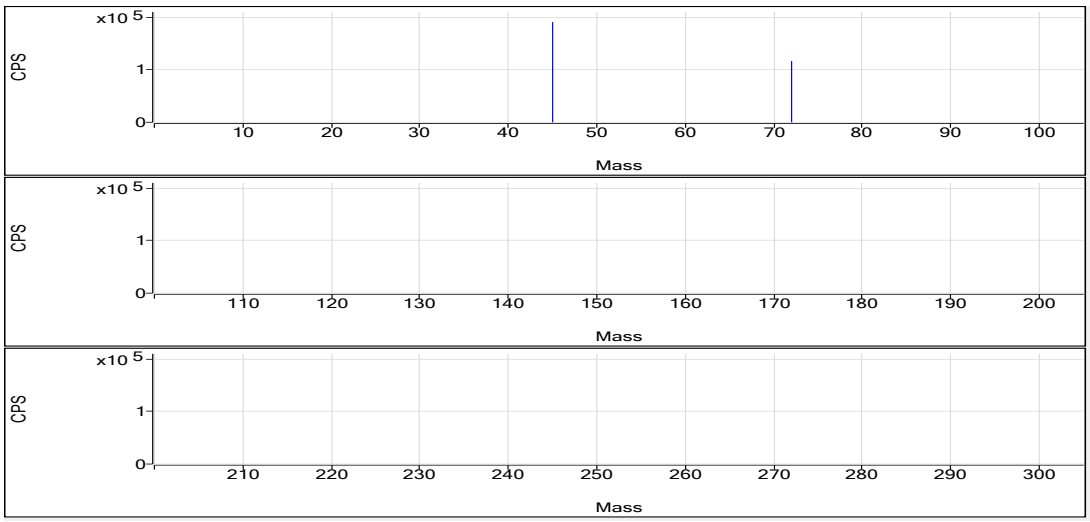
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.028	ppb	59.9	50.00	0.0003	Pulse	0.5000	3
Se	78	72	H2	-0.002	ppb	N/A	2.22	0.0001	Pulse	1.5000	3
Na	23	45	He	165772.707	ppb	3.1	18143603.48	3 589.1636	Analog	0.1000	3
Mg	24	45	He	834.743	ppb	3.4	46493.79	9.1971	Pulse	0.1000	3
Al	27	45	He	74.312	ppb	8.9	1433.47	0.2838	Pulse	0.1000	3
K	39	45	He	35.940	ppb	12.6	8506.09	1.6825	Pulse	0.1000	3
Ca	44	115	He	9689.656	ppb	2.3	26468.09	2.1270	Pulse	0.1000	3
Ti	47	72	He	0.697	ppb	115.3	13.33	0.0014	Pulse	0.1000	3
V	51	45	He	-0.048	ppb	N/A	164.67	0.0326	Pulse	0.5000	3
Cr	52	72	He	1.796	ppb	8.5	2626.99	0.2705	Pulse	0.1000	3
Mn	55	72	He	335.988	ppb	5.7	166108.27	17.1049	Pulse	0.1000	3
Fe	57	45	He	1625.521	ppb	4.0	34134.37	6.7534	Pulse	0.1000	3
Co	59	72	He	1.709	ppb	9.0	3357.17	0.3461	Pulse	0.1000	3
Ni	60	115	He	182.564	ppb	4.8	98226.86	7.8977	Pulse	0.1000	3
Cu	63	115	He	2448.873	ppb	3.1	3722110.78	299.1698	Pulse	0.1000	3
Zn	66	115	He	169.417	ppb	5.2	33636.86	2.7043	Pulse	0.1000	3
As	75	115	He	0.271	ppb	9.9	56.67	0.0046	Pulse	0.5000	3
Sr	88	72	He	11.000	ppb	5.1	9283.47	0.9556	Pulse	0.1000	3
Mo	98	159	He	0.002	ppb	571.8	113.34	0.0020	Pulse	0.1000	3
Ag	107	72	He	-0.003	ppb	N/A	13.33	0.0013	Pulse	0.1000	3
Cd	111	72	He	0.140	ppb	10.6	62.67	0.0064	Pulse	0.5000	3
Sn	120	159	He	0.001	ppb	616.6	2043.56	0.0362	Pulse	0.1000	3
Sb	121	159	He	0.335	ppb	6.0	540.03	0.0096	Pulse	0.1000	3
Ba	137	159	He	19.691	ppb	5.3	10961.40	0.1942	Pulse	0.1000	3
Tl	205	159	He	-0.004	ppb	N/A	106.67	0.0019	Pulse	0.1000	3
Pb	208	159	He	0.769	ppb	4.1	11872.54	0.2103	Pulse	0.1000	3
U	238	159	He	0.034	ppb	14.5	603.37	0.0107	Pulse	0.1000	3

ISTD Table:

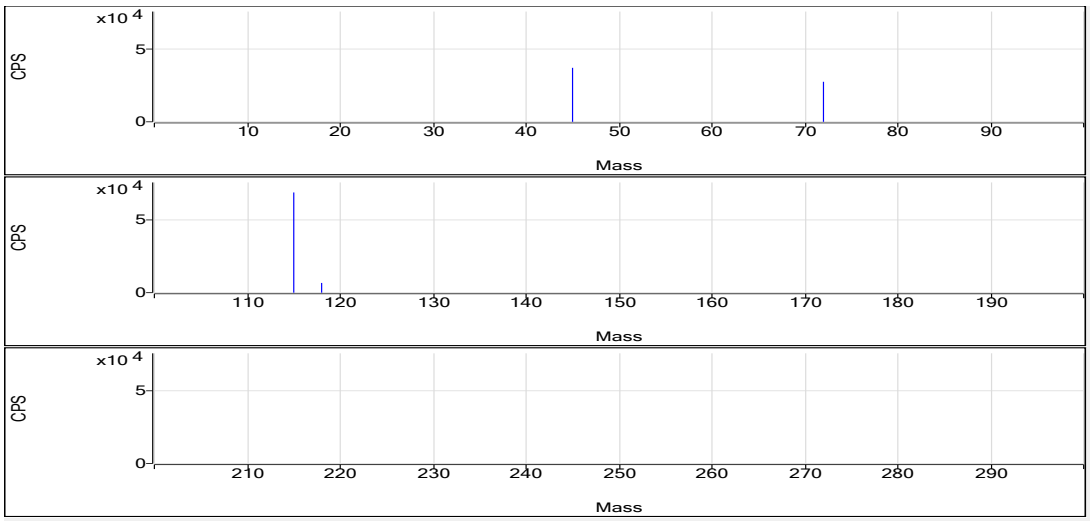
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	190706.37	1.7	104.1	Pulse	0.1000	3
No Gas	Ge	72	116502.58	1.9	104.0	Pulse	0.1000	3
H2	Sc	45	37298.44	2.6	110.0	Pulse	0.1000	3
H2	Ge	72	27654.36	2.5	106.9	Pulse	0.1000	3
H2	In	115	69236.22	0.7	108.3	Pulse	0.1000	3
He	Sc	45	5057.71	2.5	106.4	Pulse	0.1000	3
He	Ge	72	9730.28	5.2	100.0	Pulse	0.1000	3
He	In	115	12449.55	3.1	106.3	Pulse	0.1000	3
He	Tb	159	56478.88	3.2	113.2	Pulse	0.1000	3
He	Bi	209	46884.93	1.9	114.7	Pulse	0.1000	3

No Gas

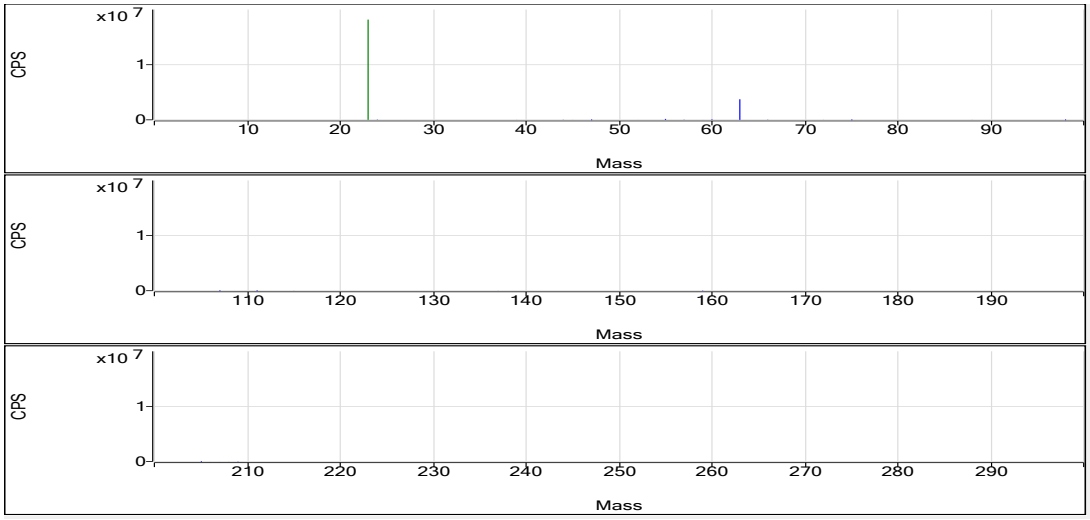


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.009	0.0002	38.00	0.0035	0.0001638
Be	9	1	No Gas	0.034	0.0003	54.00	0.0035	0.0001638
Be	9	1	No Gas	0.042	0.0003	58.00	0.0035	0.0001638
Se	78	2	H2	0.017	0.0001	4.00	0.0035	8.664E-05
Se	78	2	H2	0.002	0.0001	2.67	0.0035	8.664E-05
Se	78	2	H2	-0.025	0	0.00	0.0035	8.664E-05
Na	23	3	He	170503.2	3691.561	18313870.98	0.0216	0.8064
Na	23	3	He	160193.553	3468.3958	18039334.73	0.0216	0.8064
Na	23	3	He	166621.367	3607.5339	18077604.73	0.0216	0.8064
Mg	24	3	He	840.953	9.2647	45962.27	0.0109	0.1054
Mg	24	3	He	803.988	8.8621	46092.29	0.0109	0.1054
Mg	24	3	He	859.289	9.4644	47426.80	0.0109	0.1054
Al	27	3	He	77.7	0.2963	1470.14	0.0037	0.009095
Al	27	3	He	66.718	0.2557	1330.12	0.0037	0.009095
Al	27	3	He	78.518	0.2994	1500.14	0.0037	0.009095
K	39	3	He	40.355	1.726	8562.77	0.0099	1.328
K	39	3	He	31.292	1.6367	8512.76	0.0099	1.328
K	39	3	He	36.173	1.6848	8442.73	0.0099	1.328
Ca	44	3	He	9622.366	2.1123	26414.72	0.0002	0.004867
Ca	44	3	He	9933.587	2.1804	26244.32	0.0002	0.004867
Ca	44	3	He	9513.014	2.0883	26745.23	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0.514	0.001	10.00	0.002	0
Ti	47	3	He	1.576	0.0032	30.00	0.002	0
V	51	3	He	-0.032	0.0351	174.00	0.1638	0.04039
V	51	3	He	-0.056	0.0311	162.00	0.1638	0.04039
V	51	3	He	-0.054	0.0315	158.00	0.1638	0.04039
Cr	52	3	He	1.621	0.2524	2600.31	0.1041	0.08357
Cr	52	3	He	1.865	0.2777	2650.34	0.1041	0.08357
Cr	52	3	He	1.901	0.2815	2630.31	0.1041	0.08357
Mn	55	3	He	314.328	16.0027	164891.27	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	343.573	17.4909	166924.26	0.0509	0.00756
Mn	55	3	He	350.063	17.8211	166509.29	0.0509	0.00756
Fe	57	3	He	1684.852	6.999	34722.29	0.0041	0.02373
Fe	57	3	He	1555.632	6.4641	33619.99	0.0041	0.02373
Fe	57	3	He	1636.08	6.7971	34060.83	0.0041	0.02373
Co	59	3	He	1.534	0.3116	3210.46	0.1966	0.009981
Co	59	3	He	1.772	0.3584	3420.52	0.1966	0.009981
Co	59	3	He	1.822	0.3682	3440.52	0.1966	0.009981
Ni	60	3	He	183.374	7.9327	99201.07	0.0432	0.01878
Ni	60	3	He	190.922	8.2584	99400.61	0.0432	0.01878
Ni	60	3	He	173.396	7.502	96078.90	0.0432	0.01878
Cu	63	3	He	2435.006	297.4757	3720038.07	0.1222	0.01194
Cu	63	3	He	2531.382	309.2492	3722210.26	0.1222	0.01194
Cu	63	3	He	2380.231	290.7844	3724084.01	0.1222	0.01194
Zn	66	3	He	174.105	2.779	34752.72	0.0159	0.002839
Zn	66	3	He	174.945	2.7924	33610.23	0.0159	0.002839
Zn	66	3	He	159.202	2.5414	32547.64	0.0159	0.002839
As	75	3	He	0.302	0.005	62.00	0.0132	0.0009658
As	75	3	He	0.253	0.0043	52.00	0.0132	0.0009658
As	75	3	He	0.257	0.0044	56.00	0.0132	0.0009658
Sr	88	3	He	10.367	0.901	9283.52	0.0864	0.005458
Sr	88	3	He	11.441	0.9937	9483.60	0.0864	0.005458
Sr	88	3	He	11.192	0.9722	9083.29	0.0864	0.005458
Mo	98	3	He	0.009	0.0022	120.00	0.0303	0.001942
Mo	98	3	He	-0.013	0.0016	90.00	0.0303	0.001942
Mo	98	3	He	0.011	0.0023	130.01	0.0303	0.001942
Ag	107	3	He	-0.001	0.0019	20.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.0021	20.00	0.3501	0.002425
Ag	107	3	He	-0.007	0	0.00	0.3501	0.002425
Cd	111	3	He	0.14	0.0064	66.00	0.0454	6.986E-05
Cd	111	3	He	0.155	0.0071	68.00	0.0454	6.986E-05
Cd	111	3	He	0.126	0.0058	54.00	0.0454	6.986E-05
Sn	120	3	He	-0.004	0.036	1960.21	0.0284	0.03615
Sn	120	3	He	0.009	0.0364	2100.25	0.0284	0.03615
Sn	120	3	He	-0.001	0.0361	2070.23	0.0284	0.03615
Sb	121	3	He	0.314	0.009	490.02	0.0262	0.000803
Sb	121	3	He	0.354	0.0101	580.03	0.0262	0.000803
Sb	121	3	He	0.336	0.0096	550.03	0.0262	0.000803
Ba	137	3	He	20.429	0.2015	10964.80	0.0098	0.0007342
Ba	137	3	He	18.506	0.1826	10534.36	0.0098	0.0007342
Ba	137	3	He	20.137	0.1986	11385.03	0.0098	0.0007342
Tl	205	3	He	-0.007	0.0015	80.00	0.1945	0.002744
Tl	205	3	He	-0.006	0.0016	90.00	0.1945	0.002744
Tl	205	3	He	-0.001	0.0026	150.01	0.1945	0.002744
Pb	208	3	He	0.788	0.2152	6361.75	0.2651	0.006358
Pb	208	3	He	0.733	0.2008	5781.48	0.2651	0.006358
Pb	208	3	He	0.787	0.215	6431.85	0.2651	0.006358
U	238	3	He	0.038	0.0121	660.04	0.3022	0.0005338
U	238	3	He	0.029	0.0092	530.03	0.3022	0.0005338
U	238	3	He	0.034	0.0108	620.04	0.3022	0.0005338
Sc	45	1	No Gas			193948.14		
Sc	45	1	No Gas			190604.45		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			187566.52		
Ge	72	1	No Gas			118266.15		
Ge	72	1	No Gas			117278.19		
Ge	72	1	No Gas			113963.40		
Sc	45	2	H2			37939.99		
Sc	45	2	H2			37789.54		
Sc	45	2	H2			36165.79		
Ge	72	2	H2			27096.56		
Ge	72	2	H2			28419.12		
Ge	72	2	H2			27447.39		
In	115	2	H2			68710.10		
In	115	2	H2			69474.16		
In	115	2	H2			69524.39		
Sc	45	3	He			4961.01		
Sc	45	3	He			5201.06		
Sc	45	3	He			5011.07		
Ge	72	3	He			10303.96		
Ge	72	3	He			9543.50		
Ge	72	3	He			9343.37		
In	115	3	He			12516.04		
In	115	3	He			12045.56		
In	115	3	He			12816.39		
Tb	159	3	He			54420.06		
Tb	159	3	He			57694.75		
Tb	159	3	He			57321.82		
Bi	209	3	He			46152.66		
Bi	209	3	He			46633.87		
Bi	209	3	He			47868.27		

Quantitation Report

Data File Name	103SMPL.d
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Sample Type	Sample
Comment	D8
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

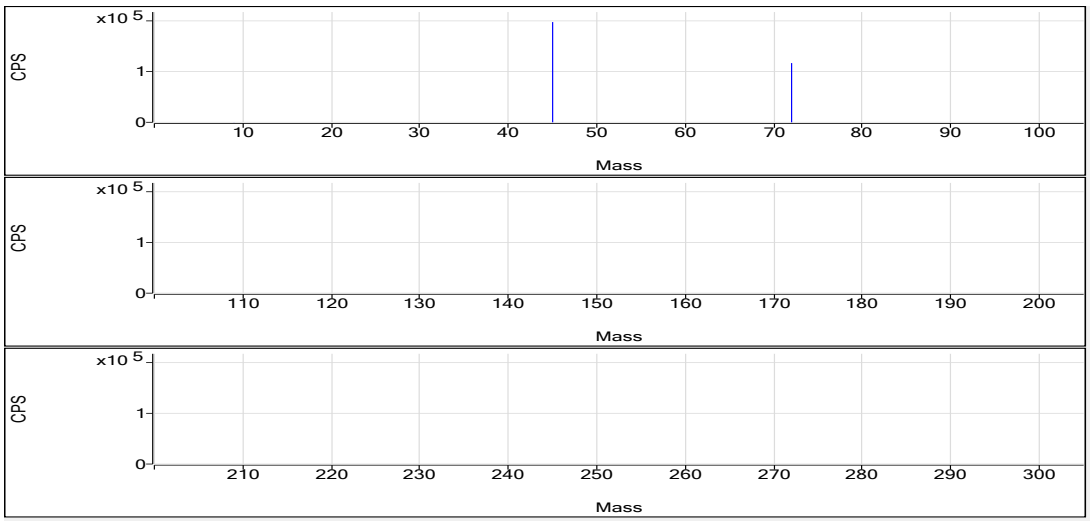
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.190	ppb	14.8	162.00	0.0008	Pulse	0.5000	3
Se	78	72	H2	-0.001	ppb	N/A	2.22	0.0001	Pulse	1.5000	3
Na	23	45	He	116746.696	ppb	2.5	13082853.14	2 527.9344	Analog	0.1000	3
Mg	24	45	He	1014.249	ppb	1.0	57736.92	11.1522	Pulse	0.1000	3
Al	27	45	He	53.338	ppb	13.7	1070.08	0.2063	Pulse	0.1000	3
K	39	45	He	534.148	ppb	3.9	34107.41	6.5905	Pulse	0.1000	3
Ca	44	115	He	71362.241	ppb	1.8	197213.19	15.6340	Pulse	0.1000	3
Ti	47	72	He	0.000	ppb	N/A	0.00	0.0000	Pulse	0.1000	3
V	51	45	He	0.147	ppb	33.4	333.34	0.0645	Pulse	0.5000	3
Cr	52	72	He	-0.210	ppb	N/A	583.37	0.0617	Pulse	0.1000	3
Mn	55	72	He	22.836	ppb	5.5	10994.54	1.1696	Pulse	0.1000	3
Fe	57	45	He	2.822	ppb	3.9	183.34	0.0354	Pulse	0.1000	3
Co	59	72	He	0.008	ppb	261.7	106.67	0.0115	Pulse	0.1000	3
Ni	60	115	He	0.551	ppb	5.3	536.70	0.0425	Pulse	0.1000	3
Cu	63	115	He	0.920	ppb	14.2	1566.81	0.1243	Pulse	0.1000	3
Zn	66	115	He	23.531	ppb	4.0	4767.66	0.3781	Pulse	0.1000	3
As	75	115	He	0.023	ppb	184.8	16.00	0.0013	Pulse	0.5000	3
Sr	88	72	He	223.491	ppb	4.9	181502.21	19.3102	Pulse	0.1000	3
Mo	98	159	He	0.070	ppb	45.1	236.68	0.0041	Pulse	0.1000	3
Ag	107	72	He	-0.005	ppb	N/A	6.67	0.0007	Pulse	0.1000	3
Cd	111	72	He	0.038	ppb	12.3	16.67	0.0018	Pulse	0.5000	3
Sn	120	159	He	-0.039	ppb	N/A	2040.23	0.0350	Pulse	0.1000	3
Sb	121	159	He	0.024	ppb	85.6	83.34	0.0014	Pulse	0.1000	3
Ba	137	159	He	33.459	ppb	4.7	19190.73	0.3295	Pulse	0.1000	3
Tl	205	159	He	-0.002	ppb	N/A	133.34	0.0023	Pulse	0.1000	3
Pb	208	159	He	0.009	ppb	49.8	516.69	0.0089	Pulse	0.1000	3
U	238	159	He	0.111	ppb	7.3	1976.90	0.0340	Pulse	0.1000	3

ISTD Table:

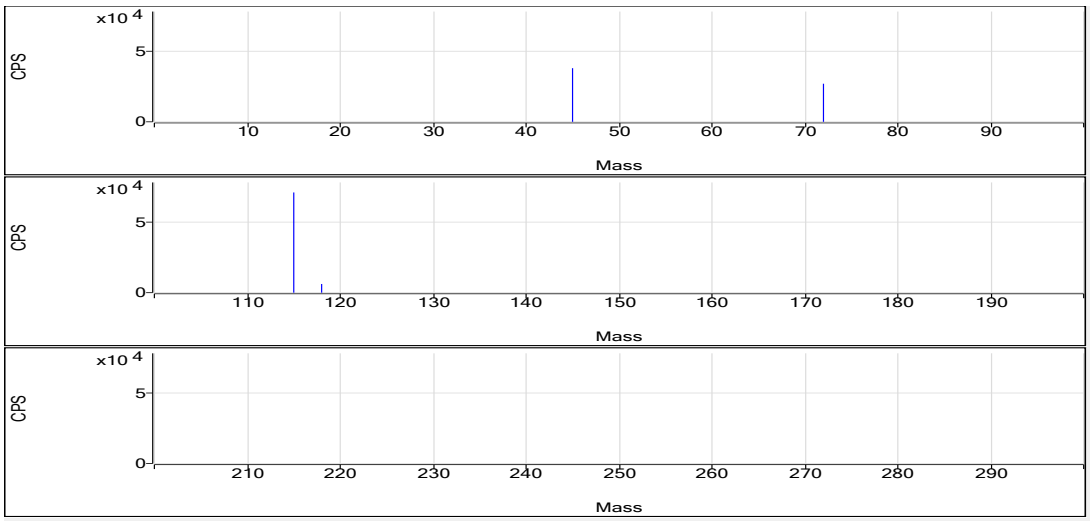
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	196669.81	1.0	107.3	Pulse	0.1000	3
No Gas	Ge	72	116183.19	1.5	103.7	Pulse	0.1000	3
H2	Sc	45	37826.69	1.7	111.5	Pulse	0.1000	3
H2	Ge	72	26865.94	1.3	103.9	Pulse	0.1000	3
H2	In	115	70690.43	2.5	110.6	Pulse	0.1000	3
He	Sc	45	5177.78	2.8	108.9	Pulse	0.1000	3
He	Ge	72	9416.79	5.7	96.8	Pulse	0.1000	3
He	In	115	12616.11	1.6	107.7	Pulse	0.1000	3
He	Tb	159	58242.84	1.4	116.7	Pulse	0.1000	3
He	Bi	209	48206.38	3.3	117.9	Pulse	0.1000	3

No Gas

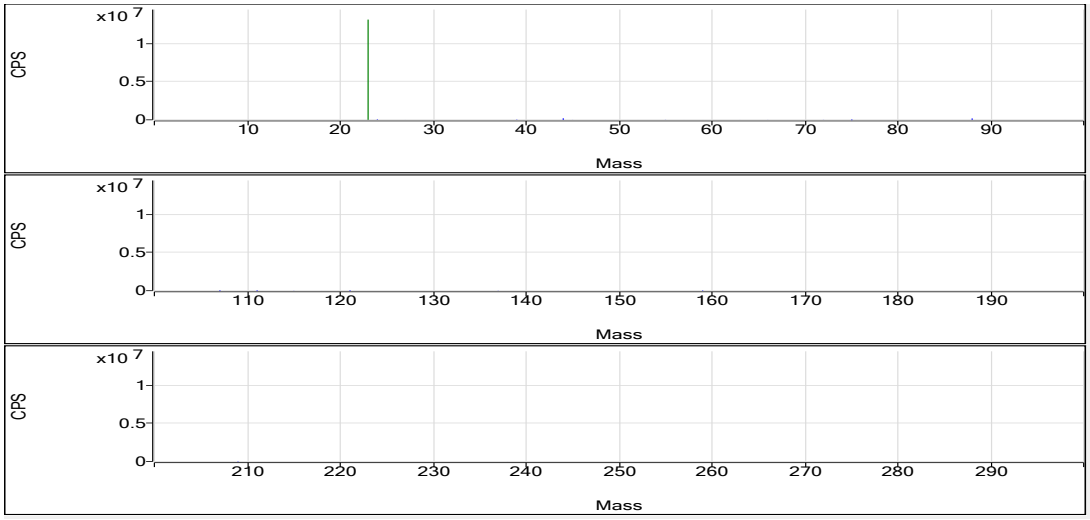


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.163	0.0007	144.00	0.0035	0.0001638
Be	9	1	No Gas	0.219	0.0009	184.00	0.0035	0.0001638
Be	9	1	No Gas	0.187	0.0008	158.00	0.0035	0.0001638
Se	78	2	H2	-0.01	0.0001	1.33	0.0035	8.664E-05
Se	78	2	H2	0.004	0.0001	2.67	0.0035	8.664E-05
Se	78	2	H2	0.003	0.0001	2.67	0.0035	8.664E-05
Na	23	3	He	117325.24	2540.4577	13111556.05	0.0216	0.8064
Na	23	3	He	113528.717	2458.2772	13105493.55	0.0216	0.8064
Na	23	3	He	119386.13	2585.0682	13031509.81	0.0216	0.8064
Mg	24	3	He	1023.992	11.2583	58105.13	0.0109	0.1054
Mg	24	3	He	1003.982	11.0403	58857.92	0.0109	0.1054
Mg	24	3	He	1014.775	11.1579	56247.71	0.0109	0.1054
Al	27	3	He	47.334	0.1841	950.06	0.0037	0.009095
Al	27	3	He	61.477	0.2364	1260.10	0.0037	0.009095
Al	27	3	He	51.203	0.1984	1000.07	0.0037	0.009095
K	39	3	He	548.855	6.7354	34762.21	0.0099	1.328
K	39	3	He	510.25	6.3551	33880.20	0.0099	1.328
K	39	3	He	543.338	6.6811	33679.81	0.0099	1.328
Ca	44	3	He	72821.506	15.9536	198711.46	0.0002	0.004867
Ca	44	3	He	70559.106	15.4581	198414.06	0.0002	0.004867
Ca	44	3	He	70706.112	15.4903	194514.04	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
V	51	3	He	0.106	0.0577	298.01	0.1638	0.04039
V	51	3	He	0.134	0.0623	332.01	0.1638	0.04039
V	51	3	He	0.201	0.0734	370.01	0.1638	0.04039
Cr	52	3	He	-0.234	0.0592	550.03	0.1041	0.08357
Cr	52	3	He	-0.14	0.069	690.05	0.1041	0.08357
Cr	52	3	He	-0.256	0.0569	510.03	0.1041	0.08357
Mn	55	3	He	23.824	1.2199	11324.83	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	21.429	1.098	10984.55	0.0509	0.00756
Mn	55	3	He	23.255	1.1909	10674.24	0.0509	0.00756
Fe	57	3	He	2.693	0.0349	180.01	0.0041	0.02373
Fe	57	3	He	2.878	0.0356	190.01	0.0041	0.02373
Fe	57	3	He	2.894	0.0357	180.01	0.0041	0.02373
Co	59	3	He	0.02	0.014	130.01	0.1966	0.009981
Co	59	3	He	-0.015	0.007	70.00	0.1966	0.009981
Co	59	3	He	0.017	0.0134	120.00	0.1966	0.009981
Ni	60	3	He	0.551	0.0426	530.03	0.0432	0.01878
Ni	60	3	He	0.522	0.0413	530.03	0.0432	0.01878
Ni	60	3	He	0.58	0.0438	550.03	0.0432	0.01878
Cu	63	3	He	1.066	0.1421	1770.17	0.1222	0.01194
Cu	63	3	He	0.878	0.1192	1530.14	0.1222	0.01194
Cu	63	3	He	0.815	0.1115	1400.12	0.1222	0.01194
Zn	66	3	He	24.398	0.3919	4881.01	0.0159	0.002839
Zn	66	3	He	22.546	0.3623	4650.94	0.0159	0.002839
Zn	66	3	He	23.65	0.3799	4771.03	0.0159	0.002839
As	75	3	He	0.073	0.0019	24.00	0.0132	0.0009658
As	75	3	He	-0.002	0.0009	12.00	0.0132	0.0009658
As	75	3	He	-0.001	0.001	12.00	0.0132	0.0009658
Sr	88	3	He	225.79	19.5088	181107.34	0.0864	0.005458
Sr	88	3	He	211.516	18.2758	182829.45	0.0864	0.005458
Sr	88	3	He	233.166	20.1459	180569.84	0.0864	0.005458
Mo	98	3	He	0.074	0.0042	240.01	0.0303	0.001942
Mo	98	3	He	0.1	0.005	290.02	0.0303	0.001942
Mo	98	3	He	0.037	0.0031	180.01	0.0303	0.001942
Ag	107	3	He	-0.004	0.0011	10.00	0.3501	0.002425
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Ag	107	3	He	-0.007	0	0.00	0.3501	0.002425
Cd	111	3	He	0.036	0.0017	16.00	0.0454	6.986E-05
Cd	111	3	He	0.034	0.0016	16.00	0.0454	6.986E-05
Cd	111	3	He	0.043	0.002	18.00	0.0454	6.986E-05
Sn	120	3	He	0.041	0.0373	2140.25	0.0284	0.03615
Sn	120	3	He	-0.188	0.0308	1800.17	0.0284	0.03615
Sn	120	3	He	0.03	0.037	2180.26	0.0284	0.03615
Sb	121	3	He	0.009	0.001	60.00	0.0262	0.000803
Sb	121	3	He	0.015	0.0012	70.00	0.0262	0.000803
Sb	121	3	He	0.047	0.002	120.01	0.0262	0.000803
Ba	137	3	He	33.355	0.3285	18843.63	0.0098	0.0007342
Ba	137	3	He	35.088	0.3455	20195.42	0.0098	0.0007342
Ba	137	3	He	31.935	0.3146	18533.14	0.0098	0.0007342
Tl	205	3	He	-0.004	0.0019	110.00	0.1945	0.002744
Tl	205	3	He	-0.005	0.0017	100.00	0.1945	0.002744
Tl	205	3	He	0.002	0.0032	190.01	0.1945	0.002744
Pb	208	3	He	0.009	0.0087	260.01	0.2651	0.006358
Pb	208	3	He	0.005	0.0077	210.01	0.2651	0.006358
Pb	208	3	He	0.014	0.0102	290.01	0.2651	0.006358
U	238	3	He	0.111	0.0342	1960.22	0.3022	0.0005338
U	238	3	He	0.118	0.0363	2120.27	0.3022	0.0005338
U	238	3	He	0.102	0.0314	1850.21	0.3022	0.0005338
Sc	45	1	No Gas			196784.63		
Sc	45	1	No Gas			198649.45		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			194575.35		
Ge	72	1	No Gas			116926.39		
Ge	72	1	No Gas			114173.73		
Ge	72	1	No Gas			117449.44		
Sc	45	2	H2			37499.33		
Sc	45	2	H2			38571.79		
Sc	45	2	H2			37408.96		
Ge	72	2	H2			26475.17		
Ge	72	2	H2			26945.97		
Ge	72	2	H2			27176.69		
In	115	2	H2			70830.95		
In	115	2	H2			72369.09		
In	115	2	H2			68871.26		
Sc	45	3	He			5161.10		
Sc	45	3	He			5331.17		
Sc	45	3	He			5041.07		
Ge	72	3	He			9283.37		
Ge	72	3	He			10003.91		
Ge	72	3	He			8963.09		
In	115	3	He			12466.04		
In	115	3	He			12846.36		
In	115	3	He			12566.12		
Tb	159	3	He			57362.06		
Tb	159	3	He			58447.45		
Tb	159	3	He			58919.01		
Bi	209	3	He			46413.46		
Bi	209	3	He			48882.02		
Bi	209	3	He			49323.67		

Quantitation Report

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Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\25F12B00.b
Acq Time	6/12/2025 7:46:28 PM
Sample Name	410-226372-A-2-F MS@10
Sample Type	Sample
Comment	D8
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

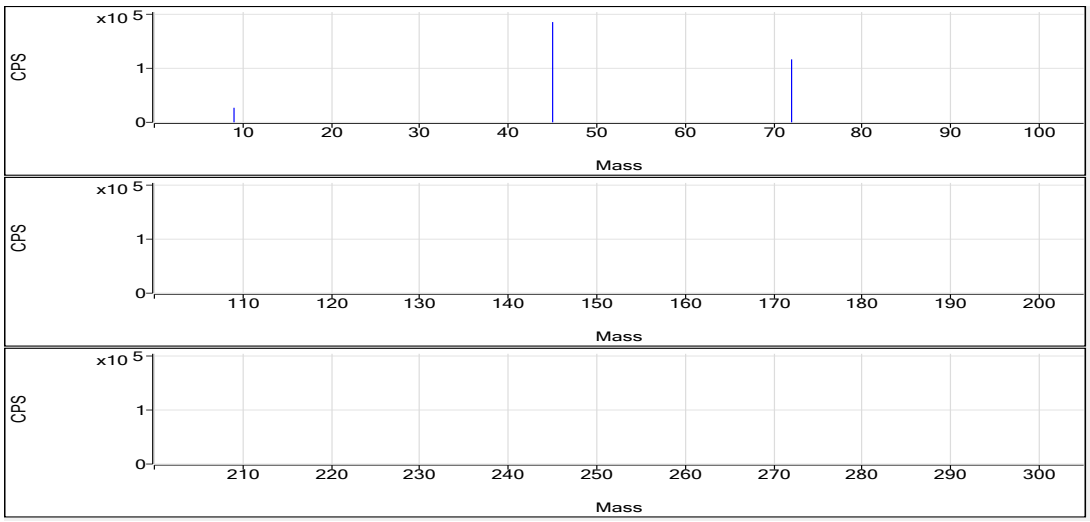
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	41.656	ppb	2.3	26766.58	0.1449	Pulse	0.5000	3
Se	78	72	H2	8.806	ppb	3.4	866.03	0.0312	Pulse	1.5000	3
Na	23	45	He	13160.834	ppb	5.4	1391736.70	285.6891	Pulse	0.1000	3
Mg	24	45	He	526.840	ppb	4.8	28475.04	5.8435	Pulse	0.1000	3
Al	27	45	He	90.639	ppb	6.5	1676.83	0.3442	Pulse	0.1000	3
K	39	45	He	481.263	ppb	8.0	29560.65	6.0696	Pulse	0.1000	3
Ca	44	115	He	6220.830	ppb	3.5	19196.53	1.3673	Pulse	0.1000	3
Ti	47	72	He	85.940	ppb	8.9	1796.84	0.1751	Pulse	0.1000	3
V	51	45	He	43.428	ppb	5.0	34861.65	7.1551	Pulse	0.5000	3
Cr	52	72	He	41.267	ppb	4.2	44873.65	4.3805	Pulse	0.1000	3
Mn	55	72	He	42.606	ppb	4.5	22297.89	2.1757	Pulse	0.1000	3
Fe	57	45	He	40.461	ppb	1.5	933.40	0.1912	Pulse	0.1000	3
Co	59	72	He	41.123	ppb	3.0	82958.21	8.0967	Pulse	0.1000	3
Ni	60	115	He	37.688	ppb	2.8	23102.53	1.6453	Pulse	0.1000	3
Cu	63	115	He	38.458	ppb	2.2	66149.08	4.7101	Pulse	0.1000	3
Zn	66	115	He	52.026	ppb	3.2	11688.47	0.8324	Pulse	0.1000	3
As	75	115	He	38.309	ppb	4.3	7133.82	0.5081	Pulse	0.5000	3
Sr	88	72	He	58.244	ppb	1.8	51611.86	5.0364	Pulse	0.1000	3
Mo	98	159	He	85.169	ppb	4.4	144225.03	2.5853	Pulse	0.1000	3
Ag	107	72	He	42.835	ppb	3.1	153693.81	15.0008	Pulse	0.1000	3
Cd	111	72	He	8.247	ppb	3.9	3837.22	0.3745	Pulse	0.5000	3
Sn	120	159	He	418.336	ppb	2.2	665674.16	11.9279	Pulse	0.1000	3
Sb	121	159	He	41.457	ppb	3.4	60536.72	1.0849	Pulse	0.1000	3
Ba	137	159	He	844.366	ppb	2.3	463094.16	8.2981	Pulse	0.1000	3
Tl	205	159	He	44.424	ppb	1.4	482454.89	8.6428	Pulse	0.1000	3
Pb	208	159	He	43.956	ppb	1.5	650984.79	11.6608	Pulse	0.1000	3
U	238	159	He	0.010	ppb	27.2	203.34	0.0037	Pulse	0.1000	3

ISTD Table:

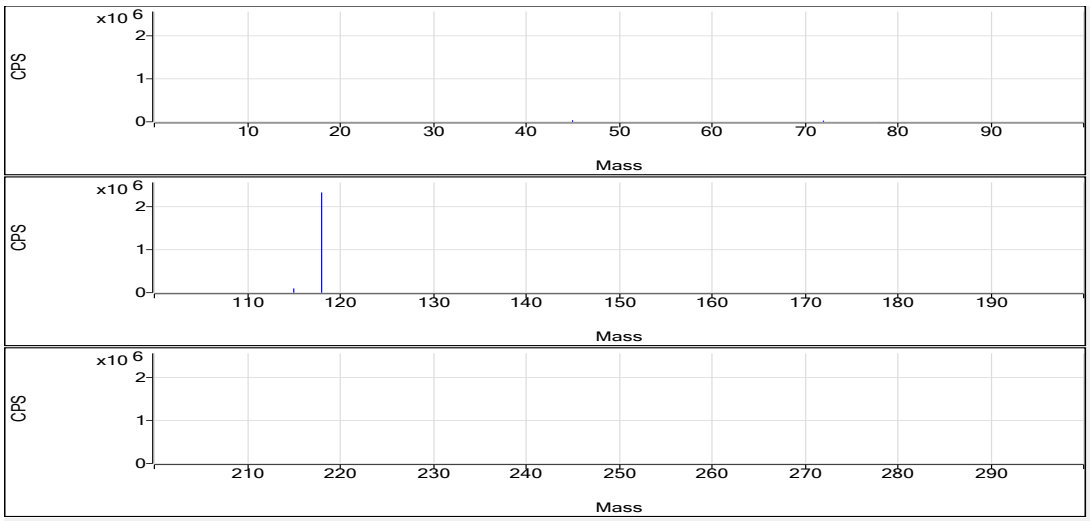
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	184707.23	1.1	100.8	Pulse	0.1000	3
No Gas	Ge	72	115998.32	1.9	103.6	Pulse	0.1000	3
H2	Sc	45	35731.43	1.2	105.4	Pulse	0.1000	3
H2	Ge	72	27784.40	2.3	107.4	Pulse	0.1000	3
H2	In	115	99320.71	1.6	155.3	Pulse	0.1000	3
He	Sc	45	4880.99	5.4	102.7	Pulse	0.1000	3
He	Ge	72	10250.64	2.3	105.3	Pulse	0.1000	3
He	In	115	14049.61	3.1	120.0	Pulse	0.1000	3
He	Tb	159	55829.58	2.6	111.9	Pulse	0.1000	3
He	Bi	209	46978.61	4.1	114.9	Pulse	0.1000	3

No Gas

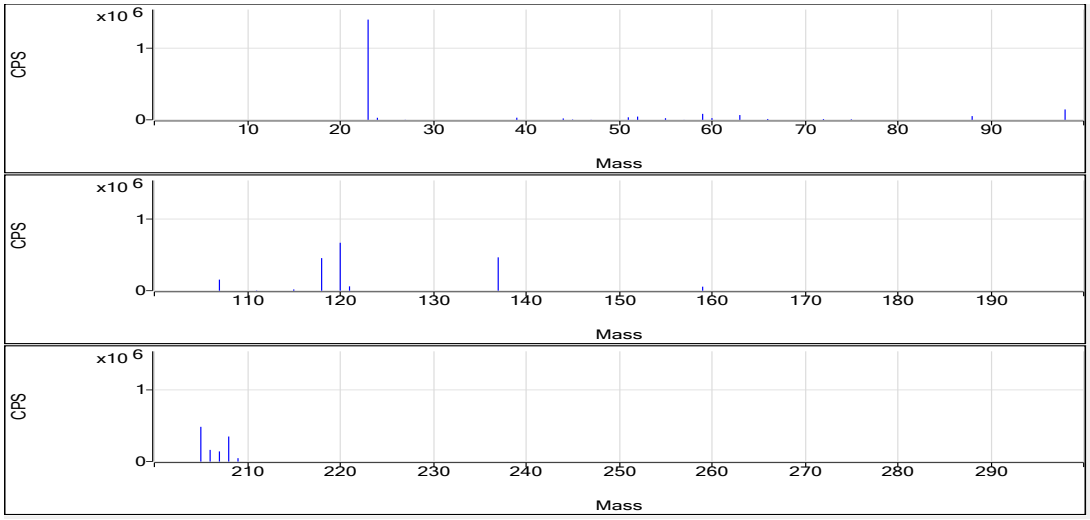


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	40.565	0.1411	26375.20	0.0035	0.0001638
Be	9	1	No Gas	41.993	0.1461	26719.84	0.0035	0.0001638
Be	9	1	No Gas	42.408	0.1475	27204.69	0.0035	0.0001638
Se	78	2	H2	8.573	0.0304	865.36	0.0035	8.664E-05
Se	78	2	H2	9.148	0.0324	893.36	0.0035	8.664E-05
Se	78	2	H2	8.698	0.0308	839.36	0.0035	8.664E-05
Na	23	3	He	13269.191	288.0346	1394358.26	0.0216	0.8064
Na	23	3	He	13815.783	299.8663	1391646.39	0.0216	0.8064
Na	23	3	He	12397.529	269.1664	1389205.45	0.0216	0.8064
Mg	24	3	He	536.53	5.9491	28799.02	0.0109	0.1054
Mg	24	3	He	545.799	6.05	28077.40	0.0109	0.1054
Mg	24	3	He	498.19	5.5315	28548.69	0.0109	0.1054
Al	27	3	He	95.336	0.3615	1750.19	0.0037	0.009095
Al	27	3	He	92.555	0.3513	1630.15	0.0037	0.009095
Al	27	3	He	84.026	0.3197	1650.15	0.0037	0.009095
K	39	3	He	496.984	6.2244	30132.12	0.0099	1.328
K	39	3	He	509.525	6.348	29460.26	0.0099	1.328
K	39	3	He	437.28	5.6363	29089.56	0.0099	1.328
Ca	44	3	He	5988.726	1.3165	19163.26	0.0002	0.004867
Ca	44	3	He	6422.024	1.4114	19403.47	0.0002	0.004867
Ca	44	3	He	6251.74	1.3741	19022.85	0.0002	0.004867
Ti	47	3	He	92.328	0.1882	1980.20	0.002	0
Ti	47	3	He	77.406	0.1577	1600.15	0.002	0
Ti	47	3	He	88.086	0.1795	1810.18	0.002	0
V	51	3	He	43.9	7.2325	35011.99	0.1638	0.04039
V	51	3	He	45.339	7.4682	34659.16	0.1638	0.04039
V	51	3	He	41.045	6.7647	34913.79	0.1638	0.04039
Cr	52	3	He	39.284	4.1739	43927.15	0.1041	0.08357
Cr	52	3	He	41.946	4.4511	45151.26	0.1041	0.08357
Cr	52	3	He	42.573	4.5164	45542.55	0.1041	0.08357
Mn	55	3	He	41.787	2.1339	22458.09	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	44.776	2.2861	23189.41	0.0509	0.00756
Mn	55	3	He	41.256	2.1069	21246.17	0.0509	0.00756
Fe	57	3	He	41.174	0.1942	940.06	0.0041	0.02373
Fe	57	3	He	40.073	0.1896	880.06	0.0041	0.02373
Fe	57	3	He	40.137	0.1899	980.07	0.0041	0.02373
Co	59	3	He	39.742	7.8253	82354.83	0.1966	0.009981
Co	59	3	He	41.462	8.1633	82807.49	0.1966	0.009981
Co	59	3	He	42.165	8.3016	83712.32	0.1966	0.009981
Ni	60	3	He	36.557	1.5965	23239.41	0.0432	0.01878
Ni	60	3	He	38.632	1.686	23179.32	0.0432	0.01878
Ni	60	3	He	37.874	1.6533	22888.85	0.0432	0.01878
Cu	63	3	He	37.713	4.619	67237.40	0.1222	0.01194
Cu	63	3	He	39.393	4.8242	66323.28	0.1222	0.01194
Cu	63	3	He	38.269	4.6869	64886.56	0.1222	0.01194
Zn	66	3	He	50.294	0.8048	11715.16	0.0159	0.002839
Zn	66	3	He	52.167	0.8347	11474.94	0.0159	0.002839
Zn	66	3	He	53.617	0.8578	11875.32	0.0159	0.002839
As	75	3	He	36.792	0.488	7103.81	0.0132	0.0009658
As	75	3	He	38.048	0.5046	6937.73	0.0132	0.0009658
As	75	3	He	40.087	0.5316	7359.92	0.0132	0.0009658
Sr	88	3	He	57.025	4.9311	51896.33	0.0864	0.005458
Sr	88	3	He	58.638	5.0705	51434.50	0.0864	0.005458
Sr	88	3	He	59.068	5.1076	51504.76	0.0864	0.005458
Mo	98	3	He	89.527	2.7175	147124.41	0.0303	0.001942
Mo	98	3	He	82.754	2.5121	142811.53	0.0303	0.001942
Mo	98	3	He	83.227	2.5264	142739.15	0.0303	0.001942
Ag	107	3	He	41.334	14.4753	152341.46	0.3501	0.002425
Ag	107	3	He	43.304	15.1648	153829.04	0.3501	0.002425
Ag	107	3	He	43.868	15.3622	154910.93	0.3501	0.002425
Cd	111	3	He	7.956	0.3613	3802.55	0.0454	6.986E-05
Cd	111	3	He	8.198	0.3723	3776.54	0.0454	6.986E-05
Cd	111	3	He	8.587	0.39	3932.58	0.0454	6.986E-05
Sn	120	3	He	428.618	12.2202	661594.44	0.0284	0.03615
Sn	120	3	He	410.399	11.7023	665280.85	0.0284	0.03615
Sn	120	3	He	415.991	11.8612	670147.18	0.0284	0.03615
Sb	121	3	He	43.045	1.1264	60985.25	0.0262	0.000803
Sb	121	3	He	40.869	1.0696	60804.65	0.0262	0.000803
Sb	121	3	He	40.457	1.0588	59820.27	0.0262	0.000803
Ba	137	3	He	866.721	8.5178	461147.57	0.0098	0.0007342
Ba	137	3	He	833.188	8.1883	465506.05	0.0098	0.0007342
Ba	137	3	He	833.19	8.1883	462628.86	0.0098	0.0007342
Tl	205	3	He	44.763	8.7088	471487.88	0.1945	0.002744
Tl	205	3	He	43.723	8.5064	483594.84	0.1945	0.002744
Tl	205	3	He	44.785	8.7131	492281.95	0.1945	0.002744
Pb	208	3	He	43.999	11.6722	339243.67	0.2651	0.006358
Pb	208	3	He	43.269	11.4785	349359.45	0.2651	0.006358
Pb	208	3	He	44.601	11.8316	354793.39	0.2651	0.006358
U	238	3	He	0.014	0.0046	250.01	0.3022	0.0005338
U	238	3	He	0.009	0.0033	190.01	0.3022	0.0005338
U	238	3	He	0.008	0.003	170.01	0.3022	0.0005338
Sc	45	1	No Gas			186866.93		
Sc	45	1	No Gas			182878.67		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			184376.09		
Ge	72	1	No Gas			117389.44		
Ge	72	1	No Gas			113467.72		
Ge	72	1	No Gas			117137.80		
Sc	45	2	H2			35253.53		
Sc	45	2	H2			36005.55		
Sc	45	2	H2			35935.20		
Ge	72	2	H2			28509.16		
Ge	72	2	H2			27587.34		
Ge	72	2	H2			27256.71		
In	115	2	H2			100783.32		
In	115	2	H2			99606.64		
In	115	2	H2			97572.18		
Sc	45	3	He			4840.94		
Sc	45	3	He			4640.89		
Sc	45	3	He			5161.14		
Ge	72	3	He			10524.21		
Ge	72	3	He			10143.83		
Ge	72	3	He			10083.87		
In	115	3	He			18062.41		
In	115	3	He			17251.28		
In	115	3	He			17421.32		
Tb	159	3	He			54139.42		
Tb	159	3	He			56850.43		
Tb	159	3	He			56498.88		
Bi	209	3	He			45760.79		
Bi	209	3	He			46001.96		
Bi	209	3	He			49173.09		

Quantitation Report

Data File Name	105SMPL.d
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Sample Type	Sample
Comment	D8
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

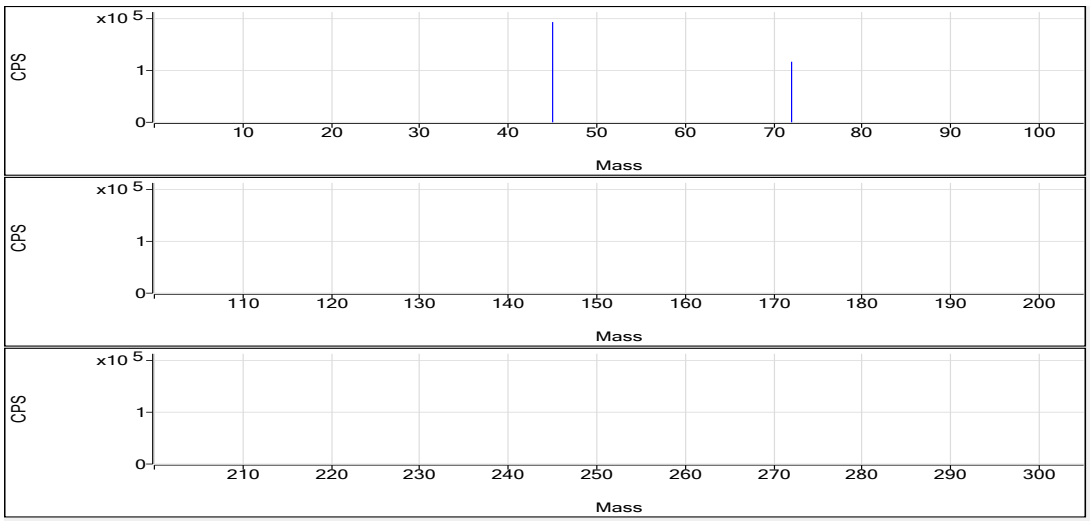
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.075	ppb	52.3	82.00	0.0004	Pulse	0.5000	3
Se	78	72	H2	1.961	ppb	5.3	188.89	0.0070	Pulse	1.5000	3
Na	23	45	He	154327.464	ppb	2.1	17006454.33	3 341.4170	Analog	0.1000	3
Mg	24	45	He	550.802	ppb	3.8	31063.46	6.1045	Pulse	0.1000	3
Al	27	45	He	11011.306	ppb	2.9	207206.01	40.7162	Pulse	0.1000	3
K	39	45	He	44.022	ppb	25.5	8966.43	1.7621	Pulse	0.1000	3
Ca	44	115	He	3083.363	ppb	3.9	8279.31	0.6802	Pulse	0.1000	3
Ti	47	72	He	11.515	ppb	24.4	223.34	0.0235	Pulse	0.1000	3
V	51	45	He	4035.541	ppb	1.8	3365260.67	661.1789	Pulse	0.5000	3
Cr	52	72	He	2.257	ppb	13.6	3043.76	0.3186	Pulse	0.1000	3
Mn	55	72	He	15.903	ppb	8.9	7805.70	0.8168	Pulse	0.1000	3
Fe	57	45	He	33.350	ppb	14.5	823.39	0.1618	Pulse	0.1000	3
Co	59	72	He	35271.437	ppb	4.6	66368607.35	6 936.0845	Analog	0.1000	3
Ni	60	115	He	27161.015	ppb	3.0	14270401.46	1 172.2107	Analog	0.1000	3
Cu	63	115	He	1.066	ppb	4.7	1730.17	0.1421	Pulse	0.1000	3
Zn	66	115	He	258.584	ppb	1.0	50255.62	4.1261	Pulse	0.1000	3
As	75	115	He	2.378	ppb	13.6	395.34	0.0325	Pulse	0.5000	3
Sr	88	72	He	21.298	ppb	2.0	17671.63	1.8452	Pulse	0.1000	3
Mo	98	159	He	28600.386	ppb	2.6	49832884.26	867.5185	Analog	0.1000	3
Ag	107	72	He	0.007	ppb	108.0	46.67	0.0049	Pulse	0.1000	3
Cd	111	72	He	2.685	ppb	2.6	1168.05	0.1220	Pulse	0.5000	3
Sn	120	159	He	0.597	ppb	14.3	3053.78	0.0531	Pulse	0.1000	3
Sb	121	159	He	0.591	ppb	16.3	936.73	0.0163	Pulse	0.1000	3
Ba	137	159	He	5.083	ppb	5.0	2910.43	0.0507	Pulse	0.1000	3
Tl	205	159	He	0.015	ppb	14.6	326.69	0.0057	Pulse	0.1000	3
Pb	208	159	He	0.461	ppb	3.7	7381.14	0.1285	Pulse	0.1000	3
U	238	159	He	0.014	ppb	8.2	270.01	0.0047	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	192441.65	1.1	105.0	Pulse	0.1000	3
No Gas	Ge	72	116296.50	0.8	103.8	Pulse	0.1000	3
H2	Sc	45	37612.83	1.4	110.9	Pulse	0.1000	3
H2	Ge	72	26942.78	0.9	104.2	Pulse	0.1000	3
H2	In	115	68968.17	1.0	107.9	Pulse	0.1000	3
He	Sc	45	5091.06	2.1	107.1	Pulse	0.1000	3
He	Ge	72	9583.54	5.1	98.5	Pulse	0.1000	3
He	In	115	12182.29	3.5	104.0	Pulse	0.1000	3
He	Tb	159	57462.62	2.2	115.2	Pulse	0.1000	3
He	Bi	209	48159.53	3.1	117.8	Pulse	0.1000	3

No Gas



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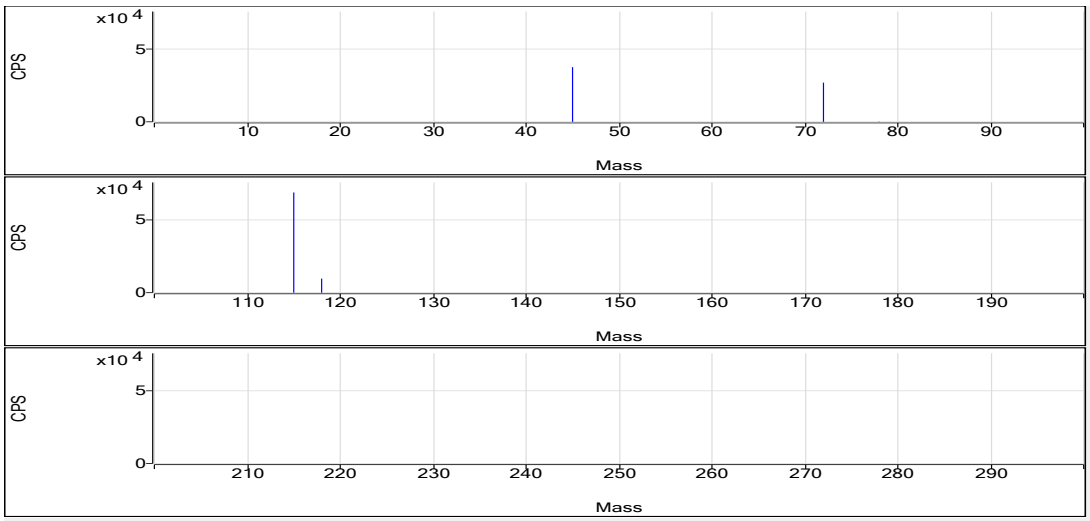
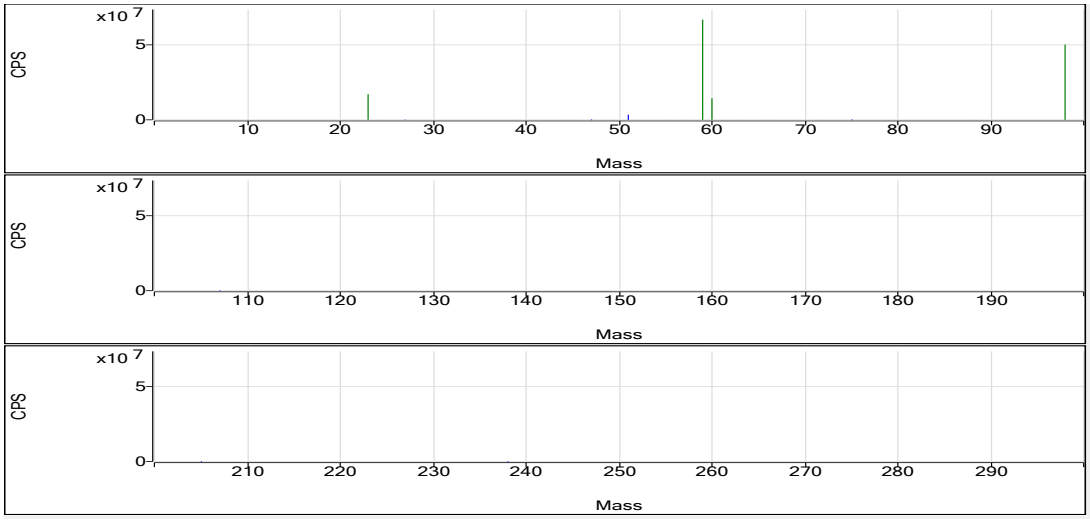


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.12	0.0006	112.00	0.0035	0.0001638
Be	9	1	No Gas	0.045	0.0003	62.00	0.0035	0.0001638
Be	9	1	No Gas	0.062	0.0004	72.00	0.0035	0.0001638
Se	78	2	H2	2.01	0.0072	195.34	0.0035	8.664E-05
Se	78	2	H2	1.842	0.0066	176.00	0.0035	8.664E-05
Se	78	2	H2	2.03	0.0073	195.34	0.0035	8.664E-05
Na	23	3	He	153709.825	3328.0474	17076411.00	0.0216	0.8064
Na	23	3	He	157838.011	3417.4072	16988033.50	0.0216	0.8064
Na	23	3	He	151434.557	3278.7964	16954918.50	0.0216	0.8064
Mg	24	3	He	552.62	6.1243	31424.17	0.0109	0.1054
Mg	24	3	He	570.911	6.3235	31434.38	0.0109	0.1054
Mg	24	3	He	528.874	5.8657	30331.82	0.0109	0.1054
Al	27	3	He	10929.811	40.415	207371.62	0.0037	0.009095
Al	27	3	He	11362.955	42.0162	208863.96	0.0037	0.009095
Al	27	3	He	10741.15	39.7175	205382.44	0.0037	0.009095
K	39	3	He	51.178	1.8326	9403.35	0.0099	1.328
K	39	3	He	49.811	1.8192	9043.16	0.0099	1.328
K	39	3	He	31.078	1.6346	8452.77	0.0099	1.328
Ca	44	3	He	2945.768	0.65	8222.62	0.0002	0.004867
Ca	44	3	He	3127.458	0.6898	8152.66	0.0002	0.004867
Ca	44	3	He	3176.864	0.7006	8462.66	0.0002	0.004867
Ti	47	3	He	13.313	0.0271	260.01	0.002	0
Ti	47	3	He	12.952	0.0264	240.01	0.002	0
Ti	47	3	He	8.281	0.0169	170.01	0.002	0
V	51	3	He	4016.648	658.0837	3376666.75	0.1638	0.04039
V	51	3	He	4116.061	674.3704	3352315.50	0.1638	0.04039
V	51	3	He	3973.913	651.0825	3366799.75	0.1638	0.04039
Cr	52	3	He	2.104	0.3026	2900.39	0.1041	0.08357
Cr	52	3	He	2.609	0.3553	3230.44	0.1041	0.08357
Cr	52	3	He	2.058	0.2978	3000.44	0.1041	0.08357
Mn	55	3	He	16.466	0.8455	8102.53	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	16.951	0.8702	7912.41	0.0509	0.00756
Mn	55	3	He	14.291	0.7348	7402.16	0.0509	0.00756
Fe	57	3	He	38.052	0.1813	930.07	0.0041	0.02373
Fe	57	3	He	33.629	0.163	810.05	0.0041	0.02373
Fe	57	3	He	28.369	0.1412	730.04	0.0041	0.02373
Co	59	3	He	35353.583	6952.2384	66627124.01	0.1966	0.009981
Co	59	3	He	36842.706	7245.072	65880454.02	0.1966	0.009981
Co	59	3	He	33618.023	6610.9431	66598244.01	0.1966	0.009981
Ni	60	3	He	26227.62	1131.928	14318583.54	0.0432	0.01878
Ni	60	3	He	27734.106	1196.9436	14146209.79	0.0432	0.01878
Ni	60	3	He	27521.319	1187.7604	14346411.04	0.0432	0.01878
Cu	63	3	He	1.015	0.136	1720.16	0.1222	0.01194
Cu	63	3	He	1.066	0.1422	1680.17	0.1222	0.01194
Cu	63	3	He	1.116	0.1482	1790.17	0.1222	0.01194
Zn	66	3	He	256.853	4.0985	51844.59	0.0159	0.002839
Zn	66	3	He	261.614	4.1744	49335.63	0.0159	0.002839
Zn	66	3	He	257.284	4.1054	49586.64	0.0159	0.002839
As	75	3	He	2.268	0.031	392.01	0.0132	0.0009658
As	75	3	He	2.126	0.0291	344.01	0.0132	0.0009658
As	75	3	He	2.742	0.0373	450.01	0.0132	0.0009658
Sr	88	3	He	21.199	1.8366	17601.41	0.0864	0.005458
Sr	88	3	He	21.76	1.885	17141.00	0.0864	0.005458
Sr	88	3	He	20.936	1.8138	18272.49	0.0864	0.005458
Mo	98	3	He	29422.417	892.4526	50009984.25	0.0303	0.001942
Mo	98	3	He	27998.776	849.2703	49236299.27	0.0303	0.001942
Mo	98	3	He	28379.965	860.8326	50252369.25	0.0303	0.001942
Ag	107	3	He	0.014	0.0073	70.00	0.3501	0.002425
Ag	107	3	He	0.009	0.0055	50.00	0.3501	0.002425
Ag	107	3	He	-0.001	0.002	20.00	0.3501	0.002425
Cd	111	3	He	2.637	0.1198	1148.05	0.0454	6.986E-05
Cd	111	3	He	2.764	0.1256	1142.05	0.0454	6.986E-05
Cd	111	3	He	2.653	0.1205	1214.06	0.0454	6.986E-05
Sn	120	3	He	0.53	0.0512	2870.42	0.0284	0.03615
Sn	120	3	He	0.567	0.0523	3030.44	0.0284	0.03615
Sn	120	3	He	0.693	0.0559	3260.49	0.0284	0.03615
Sb	121	3	He	0.481	0.0134	750.05	0.0262	0.000803
Sb	121	3	He	0.662	0.0181	1050.07	0.0262	0.000803
Sb	121	3	He	0.631	0.0173	1010.08	0.0262	0.000803
Ba	137	3	He	5.356	0.0534	2990.46	0.0098	0.0007342
Ba	137	3	He	5.034	0.0502	2910.43	0.0098	0.0007342
Ba	137	3	He	4.859	0.0485	2830.39	0.0098	0.0007342
Tl	205	3	He	0.014	0.0055	310.02	0.1945	0.002744
Tl	205	3	He	0.013	0.0053	310.02	0.1945	0.002744
Tl	205	3	He	0.018	0.0062	360.02	0.1945	0.002744
Pb	208	3	He	0.473	0.1319	4150.83	0.2651	0.006358
Pb	208	3	He	0.441	0.1233	3710.65	0.2651	0.006358
Pb	208	3	He	0.467	0.1302	4250.87	0.2651	0.006358
U	238	3	He	0.014	0.0048	270.01	0.3022	0.0005338
U	238	3	He	0.013	0.0043	250.01	0.3022	0.0005338
U	238	3	He	0.015	0.005	290.01	0.3022	0.0005338
Sc	45	1	No Gas			192893.88		
Sc	45	1	No Gas			194363.16		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			190067.91		
Ge	72	1	No Gas			116431.48		
Ge	72	1	No Gas			117166.36		
Ge	72	1	No Gas			115291.67		
Sc	45	2	H2			37599.32		
Sc	45	2	H2			37108.41		
Sc	45	2	H2			38130.75		
Ge	72	2	H2			27196.61		
Ge	72	2	H2			26705.74		
Ge	72	2	H2			26925.98		
In	115	2	H2			68197.44		
In	115	2	H2			69122.37		
In	115	2	H2			69584.70		
Sc	45	3	He			5131.06		
Sc	45	3	He			4971.03		
Sc	45	3	He			5171.08		
Ge	72	3	He			9583.55		
Ge	72	3	He			9093.14		
Ge	72	3	He			10073.94		
In	115	3	He			12666.11		
In	115	3	He			11835.46		
In	115	3	He			12095.62		
Tb	159	3	He			56036.57		
Tb	159	3	He			57974.83		
Tb	159	3	He			58376.47		
Bi	209	3	He			46684.31		
Bi	209	3	He			48129.47		
Bi	209	3	He			49664.80		

Quantitation Report

Data File Name	106SMPL.d
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Sample Type	Sample
Comment	D8
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

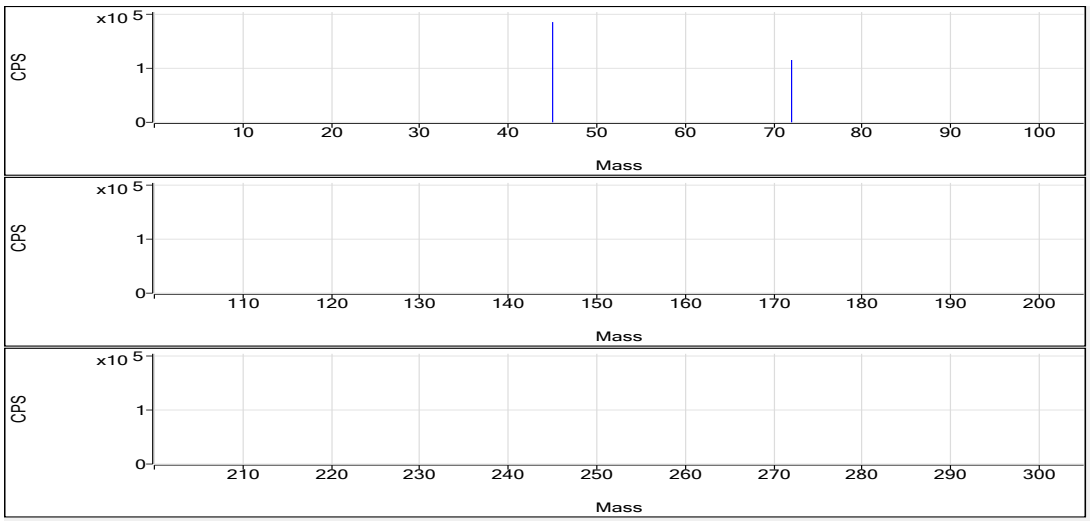
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.065	ppb	61.0	72.67	0.0004	Pulse	0.5000	3
Se	78	72	H2	1.096	ppb	2.0	108.44	0.0040	Pulse	1.5000	3
Na	23	45	He	154709.428	ppb	7.3	16846375.58	3 349.6851	Analog	0.1000	3
Mg	24	45	He	443.775	ppb	9.3	24818.21	4.9388	Pulse	0.1000	3
Al	27	45	He	4127.299	ppb	6.9	76800.72	15.2671	Pulse	0.1000	3
K	39	45	He	35.953	ppb	54.4	8456.07	1.6827	Pulse	0.1000	3
Ca	44	115	He	2820.249	ppb	4.7	7375.43	0.6225	Pulse	0.1000	3
Ti	47	72	He	18.397	ppb	12.5	353.35	0.0375	Pulse	0.1000	3
V	51	45	He	12875.561	ppb	8.2	10604927.67	2 109.4303	Analog	0.5000	3
Cr	52	72	He	7.595	ppb	4.6	8249.30	0.8744	Pulse	0.1000	3
Mn	55	72	He	13.879	ppb	4.1	6735.13	0.7138	Pulse	0.1000	3
Fe	57	45	He	41.759	ppb	13.2	986.73	0.1966	Pulse	0.1000	3
Co	59	72	He	4216.399	ppb	1.8	7825206.76	829.1583	Analog	0.1000	3
Ni	60	115	He	48756.530	ppb	0.2	24936317.96	2 104.2114	Analog	0.1000	3
Cu	63	115	He	2.061	ppb	5.4	3123.78	0.2637	Pulse	0.1000	3
Zn	66	115	He	156.213	ppb	3.4	29551.25	2.4937	Pulse	0.1000	3
As	75	115	He	11.377	ppb	3.5	1796.12	0.1516	Pulse	0.5000	3
Sr	88	72	He	16.330	ppb	5.4	13366.72	1.4160	Pulse	0.1000	3
Mo	98	159	He	45159.495	ppb	2.2	76729958.86	1 369.7950	Analog	0.1000	3
Ag	107	72	He	0.008	ppb	61.0	50.00	0.0053	Pulse	0.1000	3
Cd	111	72	He	3.957	ppb	3.6	1697.45	0.1797	Pulse	0.5000	3
Sn	120	159	He	0.566	ppb	16.5	2927.09	0.0522	Pulse	0.1000	3
Sb	121	159	He	0.502	ppb	4.3	780.05	0.0139	Pulse	0.1000	3
Ba	137	159	He	3.093	ppb	10.6	1743.50	0.0311	Pulse	0.1000	3
Tl	205	159	He	-0.002	ppb	N/A	136.67	0.0024	Pulse	0.1000	3
Pb	208	159	He	0.262	ppb	4.2	4243.80	0.0758	Pulse	0.1000	3
U	238	159	He	0.028	ppb	11.4	500.03	0.0089	Pulse	0.1000	3

ISTD Table:

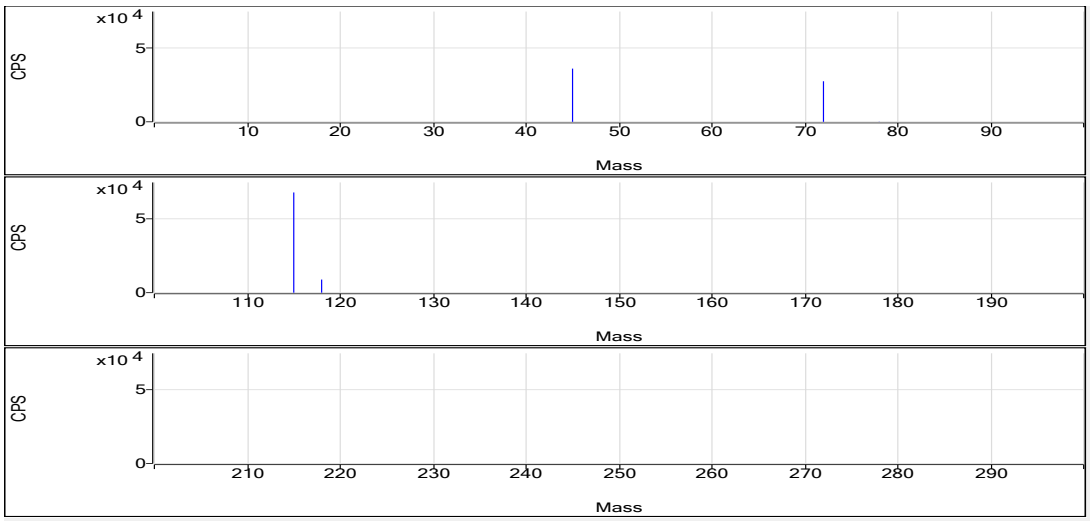
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	185998.79	1.5	101.5	Pulse	0.1000	3
No Gas	Ge	72	115612.55	1.8	103.2	Pulse	0.1000	3
H2	Sc	45	35952.05	0.9	106.0	Pulse	0.1000	3
H2	Ge	72	27410.34	1.2	106.0	Pulse	0.1000	3
H2	In	115	67735.51	1.2	105.9	Pulse	0.1000	3
He	Sc	45	5047.72	7.5	106.2	Pulse	0.1000	3
He	Ge	72	9440.11	2.4	97.0	Pulse	0.1000	3
He	In	115	11850.91	1.3	101.2	Pulse	0.1000	3
He	Tb	159	56020.11	0.7	112.3	Pulse	0.1000	3
He	Bi	209	47383.45	4.3	115.9	Pulse	0.1000	3

No Gas

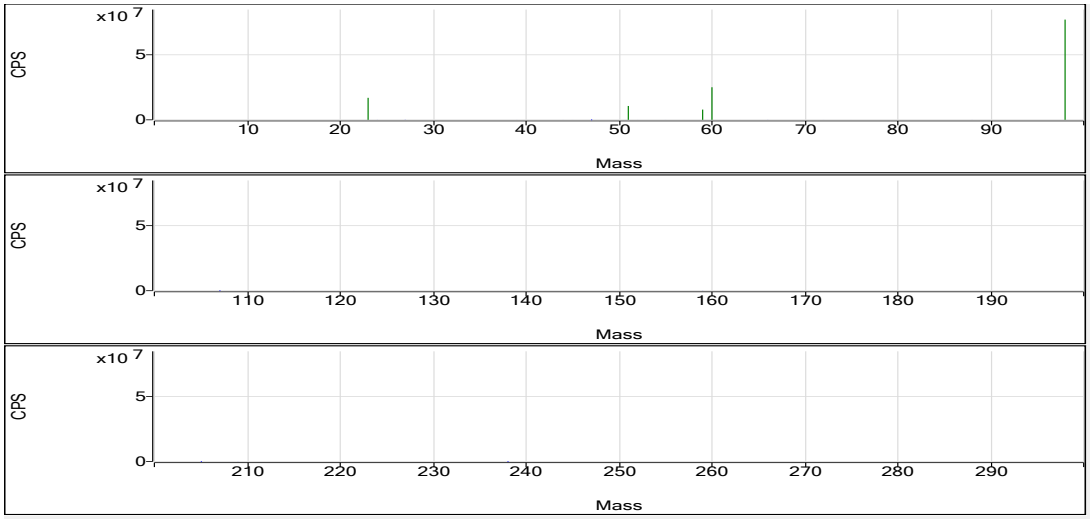


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.075	0.0004	78.00	0.0035	0.0001638
Be	9	1	No Gas	0.021	0.0002	44.00	0.0035	0.0001638
Be	9	1	No Gas	0.099	0.0005	96.00	0.0035	0.0001638
Se	78	2	H2	1.115	0.004	111.33	0.0035	8.664E-05
Se	78	2	H2	1.1	0.004	109.33	0.0035	8.664E-05
Se	78	2	H2	1.072	0.0039	104.67	0.0035	8.664E-05
Na	23	3	He	151404.652	3278.1491	16984451.00	0.0216	0.8064
Na	23	3	He	167352.961	3623.3701	16743339.75	0.0216	0.8064
Na	23	3	He	145370.67	3147.536	16811336.00	0.0216	0.8064
Mg	24	3	He	438.882	4.8855	25312.35	0.0109	0.1054
Mg	24	3	He	487.489	5.4149	25021.95	0.0109	0.1054
Mg	24	3	He	404.954	4.516	24120.34	0.0109	0.1054
Al	27	3	He	4066.516	15.0424	77936.30	0.0037	0.009095
Al	27	3	He	4437.449	16.4137	75846.45	0.0037	0.009095
Al	27	3	He	3877.931	14.3452	76619.42	0.0037	0.009095
K	39	3	He	44.282	1.7647	9143.14	0.0099	1.328
K	39	3	He	49.952	1.8206	8412.69	0.0099	1.328
K	39	3	He	13.625	1.4627	7812.38	0.0099	1.328
Ca	44	3	He	2876.899	0.6349	7562.17	0.0002	0.004867
Ca	44	3	He	2669.509	0.5895	7051.98	0.0002	0.004867
Ca	44	3	He	2914.338	0.6431	7512.15	0.0002	0.004867
Ti	47	3	He	19.045	0.0388	370.02	0.002	0
Ti	47	3	He	15.84	0.0323	310.01	0.002	0
Ti	47	3	He	20.306	0.0414	380.02	0.002	0
V	51	3	He	12730.031	2085.5882	10805662.00	0.1638	0.04039
V	51	3	He	13998.163	2293.3451	10597387.00	0.1638	0.04039
V	51	3	He	11898.49	1949.3577	10411734.00	0.1638	0.04039
Cr	52	3	He	7.39	0.853	8132.57	0.1041	0.08357
Cr	52	3	He	7.4	0.8541	8202.54	0.1041	0.08357
Cr	52	3	He	7.996	0.9161	8412.78	0.1041	0.08357
Mn	55	3	He	14.099	0.725	6911.85	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	13.238	0.6812	6541.75	0.0509	0.00756
Mn	55	3	He	14.3	0.7352	6751.80	0.0509	0.00756
Fe	57	3	He	39.027	0.1853	960.06	0.0041	0.02373
Fe	57	3	He	48.112	0.2229	1030.07	0.0041	0.02373
Fe	57	3	He	38.139	0.1816	970.07	0.0041	0.02373
Co	59	3	He	4216.844	829.2459	7905657.38	0.1966	0.009981
Co	59	3	He	4138.383	813.8167	7815529.26	0.1966	0.009981
Co	59	3	He	4293.969	844.4124	7754433.63	0.1966	0.009981
Ni	60	3	He	48698.658	2101.7139	25031517.13	0.0432	0.01878
Ni	60	3	He	48679.749	2100.8978	25131464.63	0.0432	0.01878
Ni	60	3	He	48891.183	2110.0227	24645972.13	0.0432	0.01878
Cu	63	3	He	2.013	0.2578	3070.43	0.1222	0.01194
Cu	63	3	He	1.983	0.2542	3040.41	0.1222	0.01194
Cu	63	3	He	2.187	0.2791	3260.51	0.1222	0.01194
Zn	66	3	He	161.338	2.5755	30673.74	0.0159	0.002839
Zn	66	3	He	150.861	2.4084	28809.64	0.0159	0.002839
Zn	66	3	He	156.441	2.4974	29170.36	0.0159	0.002839
As	75	3	He	11.789	0.157	1870.13	0.0132	0.0009658
As	75	3	He	10.992	0.1465	1752.11	0.0132	0.0009658
As	75	3	He	11.349	0.1512	1766.12	0.0132	0.0009658
Sr	88	3	He	17.263	1.4966	14267.56	0.0864	0.005458
Sr	88	3	He	15.495	1.3439	12906.27	0.0864	0.005458
Sr	88	3	He	16.233	1.4076	12926.34	0.0864	0.005458
Mo	98	3	He	45999.666	1395.2793	78089388.84	0.0303	0.001942
Mo	98	3	He	45423.79	1377.8117	76681983.86	0.0303	0.001942
Mo	98	3	He	44055.028	1336.2939	75418503.88	0.0303	0.001942
Ag	107	3	He	0.005	0.0042	40.00	0.3501	0.002425
Ag	107	3	He	0.014	0.0073	70.00	0.3501	0.002425
Ag	107	3	He	0.006	0.0044	40.00	0.3501	0.002425
Cd	111	3	He	4.092	0.1859	1772.12	0.0454	6.986E-05
Cd	111	3	He	3.971	0.1804	1732.12	0.0454	6.986E-05
Cd	111	3	He	3.807	0.1729	1588.10	0.0454	6.986E-05
Sn	120	3	He	0.52	0.0509	2850.39	0.0284	0.03615
Sn	120	3	He	0.505	0.0505	2810.40	0.0284	0.03615
Sn	120	3	He	0.673	0.0553	3120.47	0.0284	0.03615
Sb	121	3	He	0.509	0.0141	790.05	0.0262	0.000803
Sb	121	3	He	0.519	0.0144	800.05	0.0262	0.000803
Sb	121	3	He	0.477	0.0133	750.05	0.0262	0.000803
Ba	137	3	He	2.817	0.0284	1590.16	0.0098	0.0007342
Ba	137	3	He	3.455	0.0347	1930.19	0.0098	0.0007342
Ba	137	3	He	3.009	0.0303	1710.16	0.0098	0.0007342
Tl	205	3	He	-0.006	0.0016	90.00	0.1945	0.002744
Tl	205	3	He	0.001	0.0029	160.01	0.1945	0.002744
Tl	205	3	He	0	0.0028	160.01	0.1945	0.002744
Pb	208	3	He	0.253	0.0734	2160.27	0.2651	0.006358
Pb	208	3	He	0.274	0.0791	2550.34	0.2651	0.006358
Pb	208	3	He	0.258	0.0748	2210.30	0.2651	0.006358
U	238	3	He	0.028	0.0089	500.03	0.3022	0.0005338
U	238	3	He	0.031	0.0099	550.03	0.3022	0.0005338
U	238	3	He	0.025	0.008	450.03	0.3022	0.0005338
Sc	45	1	No Gas			183837.95		
Sc	45	1	No Gas			184921.81		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			189236.62		
Ge	72	1	No Gas			113216.47		
Ge	72	1	No Gas			116332.47		
Ge	72	1	No Gas			117288.71		
Sc	45	2	H2			36296.20		
Sc	45	2	H2			35694.87		
Sc	45	2	H2			35865.09		
Ge	72	2	H2			27677.43		
Ge	72	2	H2			27527.17		
Ge	72	2	H2			27026.43		
In	115	2	H2			67193.26		
In	115	2	H2			67313.67		
In	115	2	H2			68699.59		
Sc	45	3	He			5181.11		
Sc	45	3	He			4620.93		
Sc	45	3	He			5341.11		
Ge	72	3	He			9533.55		
Ge	72	3	He			9603.55		
Ge	72	3	He			9183.23		
In	115	3	He			11925.50		
In	115	3	He			11975.75		
In	115	3	He			11695.41		
Tb	159	3	He			55966.85		
Tb	159	3	He			55654.91		
Tb	159	3	He			56438.56		
Bi	209	3	He			45831.26		
Bi	209	3	He			46613.95		
Bi	209	3	He			49705.14		

Quantitation Report

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Sample Type	CCV
Comment	---
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

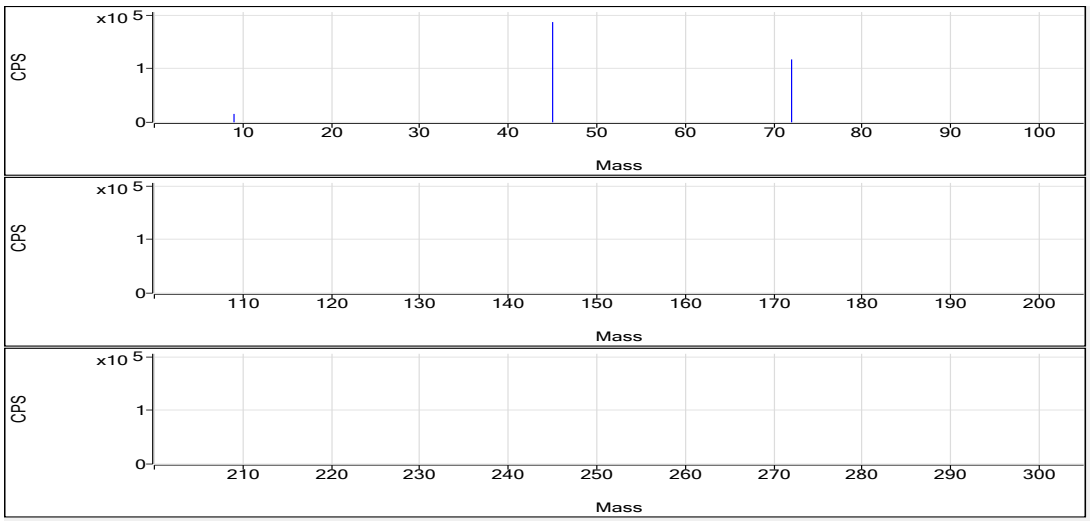
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	24.015	ppb	1.6	15643.55	0.0836	Pulse	0.5000	3
Se	78	72	H2	25.305	ppb	3.1	2432.43	0.0894	Pulse	1.5000	3
Na	23	45	He	2385.951	ppb	3.4	268257.75	52.4533	Pulse	0.1000	3
Mg	24	45	He	2367.429	ppb	2.5	132440.49	25.8904	Pulse	0.1000	3
Al	27	45	He	2368.454	ppb	1.4	44852.43	8.7649	Pulse	0.1000	3
K	39	45	He	2347.914	ppb	2.8	125105.53	24.4586	Pulse	0.1000	3
Ca	44	115	He	2420.031	ppb	4.8	6778.48	0.5349	Pulse	0.1000	3
Ti	47	72	He	2385.036	ppb	1.0	47939.89	4.8605	Pulse	0.1000	3
V	51	45	He	240.042	ppb	3.2	201341.25	39.3662	Pulse	0.5000	3
Cr	52	72	He	240.757	ppb	1.0	248075.73	25.1519	Pulse	0.1000	3
Mn	55	72	He	245.045	ppb	2.7	123050.21	12.4771	Pulse	0.1000	3
Fe	57	45	He	2378.673	ppb	4.4	50475.60	9.8715	Pulse	0.1000	3
Co	59	72	He	247.319	ppb	1.3	479780.92	48.6450	Pulse	0.1000	3
Ni	60	115	He	245.951	ppb	2.1	134775.50	10.6333	Pulse	0.1000	3
Cu	63	115	He	238.346	ppb	1.3	369235.79	29.1287	Pulse	0.1000	3
Zn	66	115	He	244.179	ppb	1.0	49392.51	3.8964	Pulse	0.1000	3
As	75	115	He	239.507	ppb	1.6	40200.26	3.1715	Pulse	0.5000	3
Sr	88	72	He	24.350	ppb	3.0	20799.27	2.1088	Pulse	0.1000	3
Mo	98	159	He	44.324	ppb	5.0	75644.55	1.3464	Pulse	0.1000	3
Ag	107	72	He	25.522	ppb	1.5	88161.59	8.9387	Pulse	0.1000	3
Cd	111	72	He	24.879	ppb	2.5	11143.15	1.1297	Pulse	0.5000	3
Sn	120	159	He	24.868	ppb	3.2	41723.90	0.7431	Pulse	0.1000	3
Sb	121	159	He	23.883	ppb	0.4	35122.07	0.6254	Pulse	0.1000	3
Ba	137	159	He	238.890	ppb	1.8	131869.76	2.3482	Pulse	0.1000	3
Tl	205	159	He	25.680	ppb	1.4	280700.05	4.9974	Pulse	0.1000	3
Pb	208	159	He	25.348	ppb	1.6	377821.50	6.7269	Pulse	0.1000	3
U	238	159	He	25.737	ppb	1.5	436844.32	7.7774	Pulse	0.1000	3

ISTD Table:

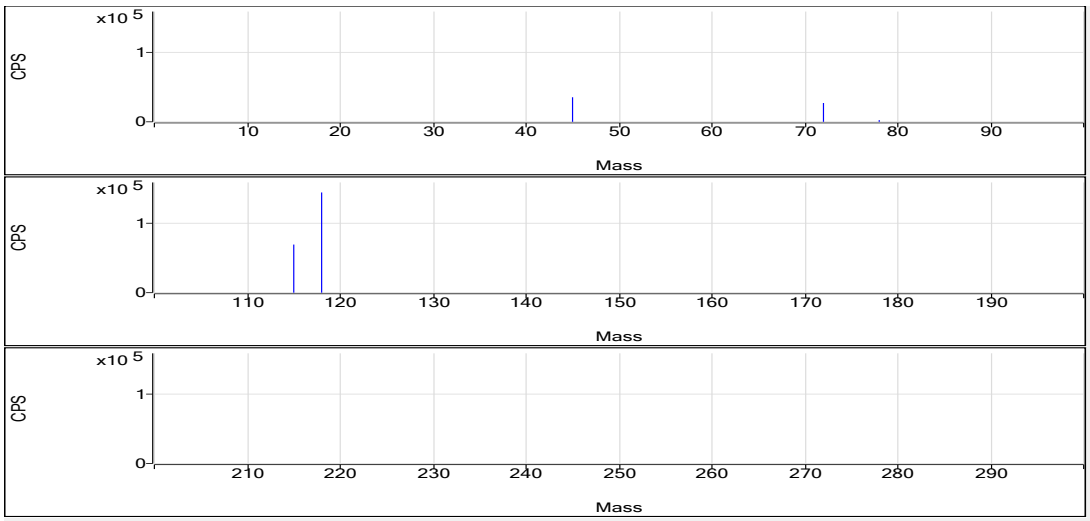
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	187042.26	1.3	102.1	Pulse	0.1000	3
No Gas	Ge	72	117358.98	1.9	104.8	Pulse	0.1000	3
H2	Sc	45	35534.06	0.5	104.8	Pulse	0.1000	3
H2	Ge	72	27206.56	3.1	105.2	Pulse	0.1000	3
H2	In	115	69635.28	1.1	108.9	Pulse	0.1000	3
He	Sc	45	5117.72	3.1	107.6	Pulse	0.1000	3
He	Ge	72	9863.70	0.9	101.4	Pulse	0.1000	3
He	In	115	12677.52	1.6	108.2	Pulse	0.1000	3
He	Tb	159	56164.29	1.2	112.6	Pulse	0.1000	3
He	Bi	209	47433.71	2.3	116.0	Pulse	0.1000	3

No Gas

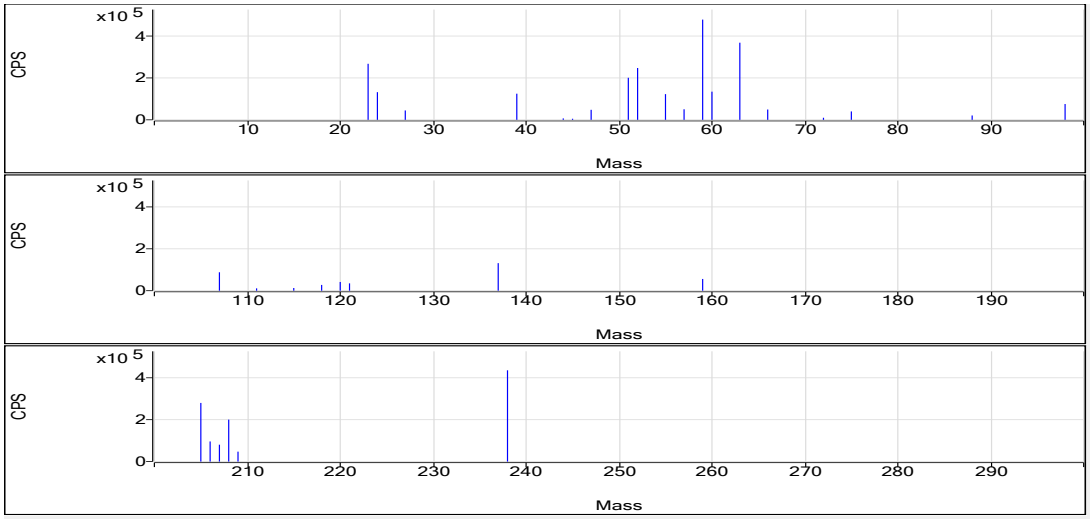


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	23.574	0.0821	15121.66	0.0035	0.0001638
Be	9	1	No Gas	24.141	0.0841	15848.44	0.0035	0.0001638
Be	9	1	No Gas	24.329	0.0847	15960.54	0.0035	0.0001638
Se	78	2	H2	25.635	0.0906	2377.53	0.0035	8.664E-05
Se	78	2	H2	25.88	0.0915	2534.90	0.0035	8.664E-05
Se	78	2	H2	24.4	0.0862	2384.87	0.0035	8.664E-05
Na	23	3	He	2316.431	50.9484	268045.86	0.0216	0.8064
Na	23	3	He	2475.816	54.3985	269324.92	0.0216	0.8064
Na	23	3	He	2365.606	52.0129	267402.46	0.0216	0.8064
Mg	24	3	He	2338.563	25.576	134558.61	0.0109	0.1054
Mg	24	3	He	2435.384	26.6306	131846.88	0.0109	0.1054
Mg	24	3	He	2328.339	25.4647	130915.98	0.0109	0.1054
Al	27	3	He	2380.818	8.8106	46353.73	0.0037	0.009095
Al	27	3	He	2393.08	8.856	43845.46	0.0037	0.009095
Al	27	3	He	2331.465	8.6282	44358.11	0.0037	0.009095
K	39	3	He	2293.096	23.9186	125838.46	0.0099	1.328
K	39	3	He	2420.176	25.1705	124618.02	0.0099	1.328
K	39	3	He	2330.469	24.2867	124860.11	0.0099	1.328
Ca	44	3	He	2520.085	0.5568	6931.89	0.0002	0.004867
Ca	44	3	He	2448.394	0.5411	6921.86	0.0002	0.004867
Ca	44	3	He	2291.615	0.5068	6481.69	0.0002	0.004867
Ti	47	3	He	2397.384	4.8857	48190.78	0.002	0
Ti	47	3	He	2400.337	4.8917	47809.59	0.002	0
Ti	47	3	He	2357.387	4.8042	47819.31	0.002	0
V	51	3	He	235.395	38.6049	203105.19	0.1638	0.04039
V	51	3	He	249.038	40.84	202197.00	0.1638	0.04039
V	51	3	He	235.693	38.6537	198721.56	0.1638	0.04039
Cr	52	3	He	241.434	25.2224	248786.93	0.1041	0.08357
Cr	52	3	He	242.858	25.3708	247965.00	0.1041	0.08357
Cr	52	3	He	237.977	24.8625	247475.25	0.1041	0.08357
Mn	55	3	He	245.707	12.5108	123402.88	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	251.318	12.7963	125066.91	0.0509	0.00756
Mn	55	3	He	238.109	12.1242	120680.84	0.0509	0.00756
Fe	57	3	He	2301.235	9.5509	50248.27	0.0041	0.02373
Fe	57	3	He	2496.662	10.3599	51291.64	0.0041	0.02373
Fe	57	3	He	2338.123	9.7036	49886.90	0.0041	0.02373
Co	59	3	He	247.155	48.6126	479500.11	0.1966	0.009981
Co	59	3	He	250.653	49.3005	481845.66	0.1966	0.009981
Co	59	3	He	244.151	48.0218	477996.99	0.1966	0.009981
Ni	60	3	He	251.797	10.8856	135522.08	0.0432	0.01878
Ni	60	3	He	244.217	10.5585	135068.22	0.0432	0.01878
Ni	60	3	He	241.839	10.4559	133736.21	0.0432	0.01878
Cu	63	3	He	241.495	29.5133	367430.23	0.1222	0.01194
Cu	63	3	He	238.397	29.1349	372704.29	0.1222	0.01194
Cu	63	3	He	235.147	28.7379	367572.85	0.1222	0.01194
Zn	66	3	He	246.424	3.9322	48954.40	0.0159	0.002839
Zn	66	3	He	241.49	3.8535	49295.61	0.0159	0.002839
Zn	66	3	He	244.623	3.9035	49927.51	0.0159	0.002839
As	75	3	He	243.756	3.2277	40184.19	0.0132	0.0009658
As	75	3	He	238.503	3.1582	40400.83	0.0132	0.0009658
As	75	3	He	236.263	3.1285	40015.77	0.0132	0.0009658
Sr	88	3	He	25.156	2.1784	21487.01	0.0864	0.005458
Sr	88	3	He	24.143	2.0909	20435.29	0.0864	0.005458
Sr	88	3	He	23.751	2.0571	20475.50	0.0864	0.005458
Mo	98	3	He	41.867	1.2719	70798.75	0.0303	0.001942
Mo	98	3	He	44.889	1.3635	76217.16	0.0303	0.001942
Mo	98	3	He	46.216	1.4038	79917.73	0.0303	0.001942
Ag	107	3	He	25.309	8.8642	87434.22	0.3501	0.002425
Ag	107	3	He	25.954	9.09	88842.42	0.3501	0.002425
Ag	107	3	He	25.302	8.8618	88208.14	0.3501	0.002425
Cd	111	3	He	25.592	1.1621	11462.75	0.0454	6.986E-05
Cd	111	3	He	24.61	1.1175	10922.30	0.0454	6.986E-05
Cd	111	3	He	24.434	1.1096	11044.39	0.0454	6.986E-05
Sn	120	3	He	25.635	0.7649	42576.66	0.0284	0.03615
Sn	120	3	He	24.943	0.7452	41653.35	0.0284	0.03615
Sn	120	3	He	24.027	0.7191	40941.69	0.0284	0.03615
Sb	121	3	He	23.996	0.6283	34974.99	0.0262	0.000803
Sb	121	3	He	23.801	0.6232	34834.81	0.0262	0.000803
Sb	121	3	He	23.852	0.6246	35556.41	0.0262	0.000803
Ba	137	3	He	240.632	2.3654	131669.06	0.0098	0.0007342
Ba	137	3	He	242.041	2.3792	132989.69	0.0098	0.0007342
Ba	137	3	He	233.998	2.3002	130950.53	0.0098	0.0007342
Tl	205	3	He	25.306	4.9245	274126.32	0.1945	0.002744
Tl	205	3	He	25.74	5.0089	279979.47	0.1945	0.002744
Tl	205	3	He	25.996	5.0587	287994.37	0.1945	0.002744
Pb	208	3	He	24.953	6.6222	196688.61	0.2651	0.006358
Pb	208	3	He	25.746	6.8326	202385.64	0.2651	0.006358
Pb	208	3	He	25.344	6.726	203265.93	0.2651	0.006358
U	238	3	He	25.293	7.6433	425466.56	0.3022	0.0005338
U	238	3	He	25.979	7.8505	438813.94	0.3022	0.0005338
U	238	3	He	25.939	7.8385	446252.45	0.3022	0.0005338
Sc	45	1	No Gas			184201.48		
Sc	45	1	No Gas			188527.42		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			188397.87		
Ge	72	1	No Gas			115231.54		
Ge	72	1	No Gas			117198.61		
Ge	72	1	No Gas			119646.80		
Sc	45	2	H2			35313.54		
Sc	45	2	H2			35624.07		
Sc	45	2	H2			35664.57		
Ge	72	2	H2			26244.88		
Ge	72	2	H2			27717.33		
Ge	72	2	H2			27657.48		
In	115	2	H2			69725.52		
In	115	2	H2			70338.58		
In	115	2	H2			68841.75		
Sc	45	3	He			5261.12		
Sc	45	3	He			4950.96		
Sc	45	3	He			5141.08		
Ge	72	3	He			9863.71		
Ge	72	3	He			9773.65		
Ge	72	3	He			9953.74		
In	115	3	He			12666.17		
In	115	3	He			13006.39		
In	115	3	He			13006.59		
Tb	159	3	He			55665.43		
Tb	159	3	He			55896.64		
Tb	159	3	He			56930.80		
Bi	209	3	He			46664.16		
Bi	209	3	He			46935.37		
Bi	209	3	He			48701.59		

Quantitation Report

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Sample Type	CCB
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Operator Name	us19_usr_ins22323
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Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

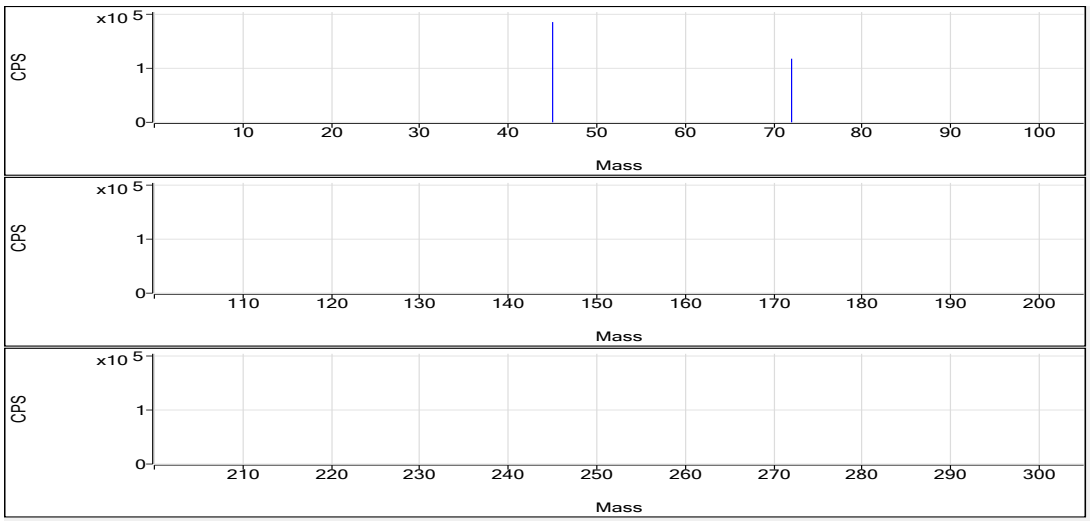
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.049	ppb	34.4	62.00	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.019	ppb	90.3	4.22	0.0002	Pulse	1.5000	3
Na	23	45	He	18.613	ppb	12.3	5988.07	1.2093	Pulse	0.1000	3
Mg	24	45	He	-1.093	ppb	N/A	463.36	0.0935	Pulse	0.1000	3
Al	27	45	He	0.791	ppb	172.4	60.00	0.0120	Pulse	0.1000	3
K	39	45	He	-13.830	ppb	N/A	5908.06	1.1922	Pulse	0.1000	3
Ca	44	115	He	-7.234	ppb	N/A	40.00	0.0033	Pulse	0.1000	3
Ti	47	72	He	1.142	ppb	25.1	23.33	0.0023	Pulse	0.1000	3
V	51	45	He	0.791	ppb	7.6	841.36	0.1700	Pulse	0.5000	3
Cr	52	72	He	0.011	ppb	688.0	850.06	0.0847	Pulse	0.1000	3
Mn	55	72	He	0.269	ppb	26.1	213.34	0.0212	Pulse	0.1000	3
Fe	57	45	He	-0.811	ppb	N/A	100.00	0.0204	Pulse	0.1000	3
Co	59	72	He	2.338	ppb	7.6	4714.27	0.4697	Pulse	0.1000	3
Ni	60	115	He	4.098	ppb	4.9	2403.61	0.1956	Pulse	0.1000	3
Cu	63	115	He	0.035	ppb	19.6	200.01	0.0163	Pulse	0.1000	3
Zn	66	115	He	1.937	ppb	11.9	413.35	0.0337	Pulse	0.1000	3
As	75	115	He	0.193	ppb	25.6	43.33	0.0035	Pulse	0.5000	3
Sr	88	72	He	0.006	ppb	181.7	60.00	0.0060	Pulse	0.1000	3
Mo	98	159	He	5.916	ppb	8.1	9963.87	0.1814	Pulse	0.1000	3
Ag	107	72	He	0.001	ppb	631.3	26.67	0.0027	Pulse	0.1000	3
Cd	111	72	He	0.006	ppb	43.0	3.33	0.0003	Pulse	0.5000	3
Sn	120	159	He	0.025	ppb	326.6	2023.56	0.0369	Pulse	0.1000	3
Sb	121	159	He	0.046	ppb	1.6	110.00	0.0020	Pulse	0.1000	3
Ba	137	159	He	0.043	ppb	176.4	63.34	0.0012	Pulse	0.1000	3
Tl	205	159	He	-0.002	ppb	N/A	126.67	0.0023	Pulse	0.1000	3
Pb	208	159	He	-0.002	ppb	N/A	326.68	0.0059	Pulse	0.1000	3
U	238	159	He	0.003	ppb	110.6	80.00	0.0015	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	186151.58	0.9	101.6	Pulse	0.1000	3
No Gas	Ge	72	118105.70	1.3	105.5	Pulse	0.1000	3
H2	Sc	45	35350.38	2.4	104.2	Pulse	0.1000	3
H2	Ge	72	27413.76	1.2	106.0	Pulse	0.1000	3
H2	In	115	67635.61	2.8	105.8	Pulse	0.1000	3
He	Sc	45	4957.68	5.1	104.3	Pulse	0.1000	3
He	Ge	72	10033.88	1.3	103.1	Pulse	0.1000	3
He	In	115	12291.59	3.7	105.0	Pulse	0.1000	3
He	Tb	159	54909.30	1.0	110.1	Pulse	0.1000	3
He	Bi	209	46680.78	1.0	114.2	Pulse	0.1000	3

No Gas



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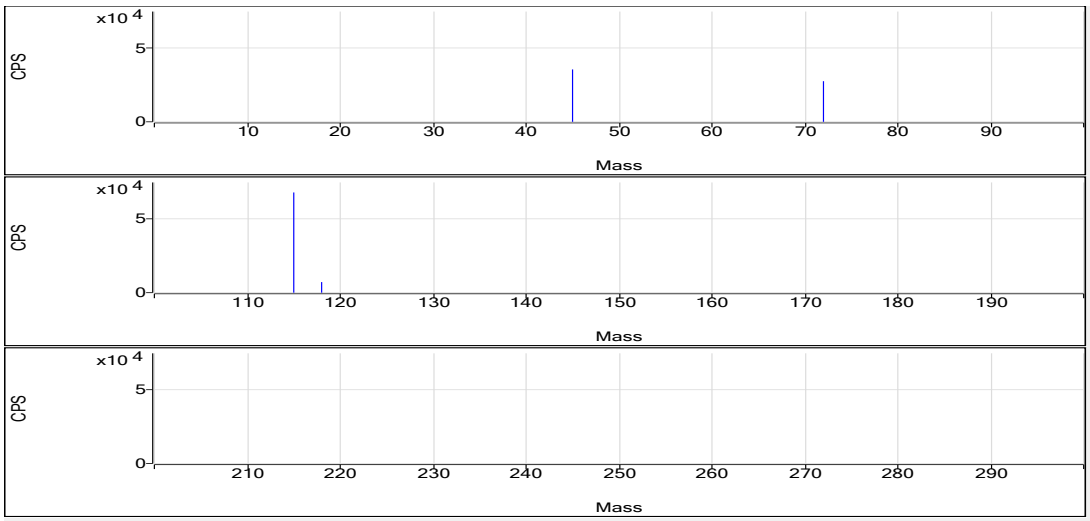
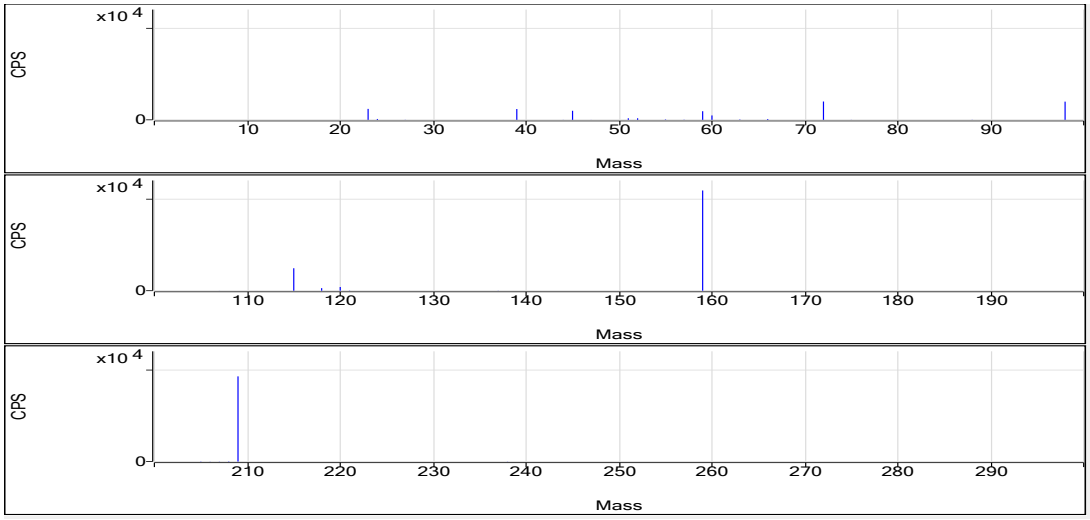


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.029	0.0003	50.00	0.0035	0.0001638
Be	9	1	No Gas	0.059	0.0004	68.00	0.0035	0.0001638
Be	9	1	No Gas	0.058	0.0004	68.00	0.0035	0.0001638
Se	78	2	H2	0.003	0.0001	2.67	0.0035	8.664E-05
Se	78	2	H2	0.037	0.0002	6.00	0.0035	8.664E-05
Se	78	2	H2	0.016	0.0001	4.00	0.0035	8.664E-05
Na	23	3	He	16.424	1.1619	6101.44	0.0216	0.8064
Na	23	3	He	21.002	1.261	6041.43	0.0216	0.8064
Na	23	3	He	18.414	1.205	5821.33	0.0216	0.8064
Mg	24	3	He	-1.284	0.0914	480.02	0.0109	0.1054
Mg	24	3	He	-2.011	0.0835	400.02	0.0109	0.1054
Mg	24	3	He	0.017	0.1056	510.03	0.0109	0.1054
Al	27	3	He	1.661	0.0152	80.00	0.0037	0.009095
Al	27	3	He	1.492	0.0146	70.00	0.0037	0.009095
Al	27	3	He	-0.78	0.0062	30.00	0.0037	0.009095
K	39	3	He	-14.197	1.1886	6241.52	0.0099	1.328
K	39	3	He	1.845	1.3466	6451.66	0.0099	1.328
K	39	3	He	-29.139	1.0414	5031.01	0.0099	1.328
Ca	44	3	He	-15.08	0.0016	20.00	0.0002	0.004867
Ca	44	3	He	0.259	0.0049	60.00	0.0002	0.004867
Ca	44	3	He	-6.88	0.0034	40.00	0.0002	0.004867
Ti	47	3	He	0.964	0.002	20.00	0.002	0
Ti	47	3	He	0.989	0.002	20.00	0.002	0
Ti	47	3	He	1.473	0.003	30.00	0.002	0
V	51	3	He	0.725	0.1592	836.03	0.1638	0.04039
V	51	3	He	0.842	0.1783	854.03	0.1638	0.04039
V	51	3	He	0.807	0.1726	834.03	0.1638	0.04039
Cr	52	3	He	-0.039	0.0795	810.05	0.1041	0.08357
Cr	52	3	He	-0.028	0.0806	800.06	0.1041	0.08357
Cr	52	3	He	0.101	0.0941	940.07	0.1041	0.08357
Mn	55	3	He	0.315	0.0236	240.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.188	0.0171	170.01	0.0509	0.00756
Mn	55	3	He	0.304	0.023	230.01	0.0509	0.00756
Fe	57	3	He	-2.511	0.0133	70.00	0.0041	0.02373
Fe	57	3	He	-0.69	0.0209	100.00	0.0041	0.02373
Fe	57	3	He	0.769	0.0269	130.01	0.0041	0.02373
Co	59	3	He	2.396	0.4812	4901.01	0.1966	0.009981
Co	59	3	He	2.138	0.4304	4270.79	0.1966	0.009981
Co	59	3	He	2.479	0.4974	4971.01	0.1966	0.009981
Ni	60	3	He	4.06	0.194	2480.30	0.0432	0.01878
Ni	60	3	He	3.92	0.1879	2290.24	0.0432	0.01878
Ni	60	3	He	4.315	0.205	2440.29	0.0432	0.01878
Cu	63	3	He	0.043	0.0172	220.01	0.1222	0.01194
Cu	63	3	He	0.03	0.0156	190.01	0.1222	0.01194
Cu	63	3	He	0.033	0.016	190.01	0.1222	0.01194
Zn	66	3	He	1.686	0.0297	380.02	0.0159	0.002839
Zn	66	3	He	1.984	0.0345	420.02	0.0159	0.002839
Zn	66	3	He	2.14	0.037	440.02	0.0159	0.002839
As	75	3	He	0.175	0.0033	42.00	0.0132	0.0009658
As	75	3	He	0.249	0.0043	52.00	0.0132	0.0009658
As	75	3	He	0.155	0.003	36.00	0.0132	0.0009658
Sr	88	3	He	0.016	0.0069	70.00	0.0864	0.005458
Sr	88	3	He	0.007	0.006	60.00	0.0864	0.005458
Sr	88	3	He	-0.005	0.005	50.00	0.0864	0.005458
Mo	98	3	He	5.392	0.1655	9033.22	0.0303	0.001942
Mo	98	3	He	6.027	0.1848	10093.94	0.0303	0.001942
Mo	98	3	He	6.328	0.1939	10764.46	0.0303	0.001942
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Ag	107	3	He	0.002	0.003	30.00	0.3501	0.002425
Ag	107	3	He	0.005	0.004	40.00	0.3501	0.002425
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Sn	120	3	He	0.108	0.0392	2140.27	0.0284	0.03615
Sn	120	3	He	-0.054	0.0346	1890.20	0.0284	0.03615
Sn	120	3	He	0.021	0.0368	2040.22	0.0284	0.03615
Sb	121	3	He	0.046	0.002	110.00	0.0262	0.000803
Sb	121	3	He	0.046	0.002	110.00	0.0262	0.000803
Sb	121	3	He	0.045	0.002	110.00	0.0262	0.000803
Ba	137	3	He	-0.037	0.0004	20.00	0.0098	0.0007342
Ba	137	3	He	0.112	0.0018	100.01	0.0098	0.0007342
Ba	137	3	He	0.054	0.0013	70.00	0.0098	0.0007342
Tl	205	3	He	-0.001	0.0026	140.01	0.1945	0.002744
Tl	205	3	He	-0.001	0.0026	140.01	0.1945	0.002744
Tl	205	3	He	-0.005	0.0018	100.00	0.1945	0.002744
Pb	208	3	He	-0.003	0.0055	190.01	0.2651	0.006358
Pb	208	3	He	0	0.0064	150.01	0.2651	0.006358
Pb	208	3	He	-0.002	0.0059	190.01	0.2651	0.006358
U	238	3	He	0.007	0.0026	140.01	0.3022	0.0005338
U	238	3	He	0	0.0005	30.00	0.3022	0.0005338
U	238	3	He	0.002	0.0013	70.00	0.3022	0.0005338
Sc	45	1	No Gas			187939.47		
Sc	45	1	No Gas			184799.86		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			185715.41		
Ge	72	1	No Gas			116512.92		
Ge	72	1	No Gas			118216.16		
Ge	72	1	No Gas			119588.02		
Sc	45	2	H2			35073.08		
Sc	45	2	H2			36305.99		
Sc	45	2	H2			34672.08		
Ge	72	2	H2			27086.47		
Ge	72	2	H2			27416.94		
Ge	72	2	H2			27737.86		
In	115	2	H2			69775.72		
In	115	2	H2			66741.11		
In	115	2	H2			66390.00		
Sc	45	3	He			5251.14		
Sc	45	3	He			4790.93		
Sc	45	3	He			4830.96		
Ge	72	3	He			10184.01		
Ge	72	3	He			9923.87		
Ge	72	3	He			9993.77		
In	115	3	He			12796.14		
In	115	3	He			12195.69		
In	115	3	He			11915.55		
Tb	159	3	He			54581.01		
Tb	159	3	He			54631.25		
Tb	159	3	He			55515.64		
Bi	209	3	He			46553.73		
Bi	209	3	He			46272.48		
Bi	209	3	He			47216.13		

Quantitation Report

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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

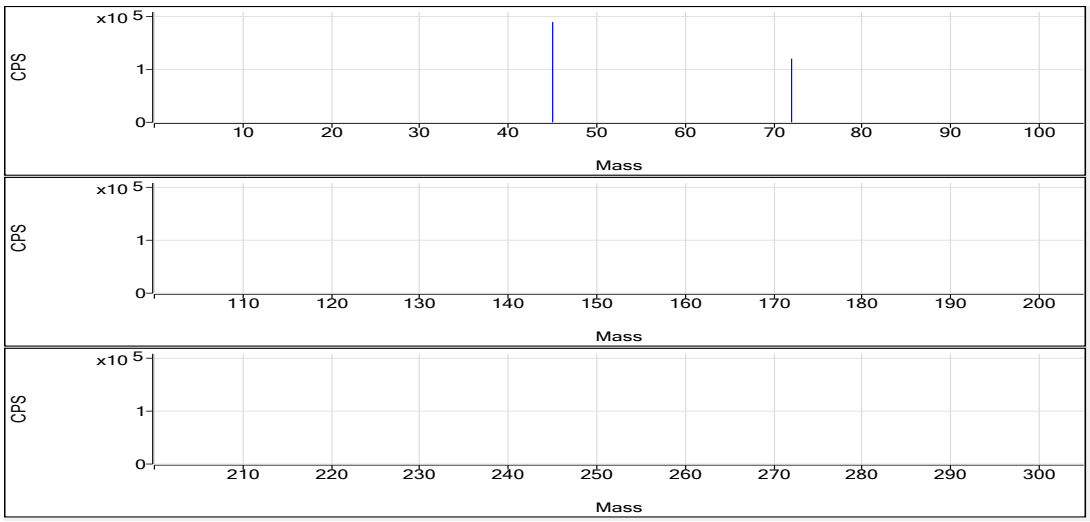
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.037	ppb	30.2	55.33	0.0003	Pulse	0.5000	3
Se	78	72	H2	-0.001	ppb	N/A	2.44	0.0001	Pulse	1.5000	3
Na	23	45	He	272277.784	ppb	2.5	28092913.75	5 894.5989	Analog	0.1000	3
Mg	24	45	He	1.519	ppb	95.8	580.03	0.1219	Pulse	0.1000	3
Al	27	45	He	0.757	ppb	46.6	56.67	0.0119	Pulse	0.1000	3
K	39	45	He	8.016	ppb	31.0	6708.45	1.4074	Pulse	0.1000	3
Ca	44	115	He	1.407	ppb	848.1	66.67	0.0052	Pulse	0.1000	3
Ti	47	72	He	0.314	ppb	86.6	6.67	0.0006	Pulse	0.1000	3
V	51	45	He	0.562	ppb	11.0	632.02	0.1324	Pulse	0.5000	3
Cr	52	72	He	-0.325	ppb	N/A	510.03	0.0497	Pulse	0.1000	3
Mn	55	72	He	0.900	ppb	7.9	546.70	0.0534	Pulse	0.1000	3
Fe	57	45	He	1.036	ppb	174.9	133.34	0.0280	Pulse	0.1000	3
Co	59	72	He	1.724	ppb	6.0	3577.24	0.3490	Pulse	0.1000	3
Ni	60	115	He	2.665	ppb	5.6	1706.82	0.1338	Pulse	0.1000	3
Cu	63	115	He	0.143	ppb	33.2	373.35	0.0294	Pulse	0.1000	3
Zn	66	115	He	2.481	ppb	9.7	540.03	0.0424	Pulse	0.1000	3
As	75	115	He	0.203	ppb	18.1	46.67	0.0037	Pulse	0.5000	3
Sr	88	72	He	0.099	ppb	28.5	143.34	0.0140	Pulse	0.1000	3
Mo	98	159	He	3.997	ppb	2.8	6941.96	0.1232	Pulse	0.1000	3
Ag	107	72	He	0.001	ppb	337.0	30.00	0.0029	Pulse	0.1000	3
Cd	111	72	He	0.014	ppb	74.2	7.33	0.0007	Pulse	0.5000	3
Sn	120	159	He	0.181	ppb	28.3	2326.94	0.0413	Pulse	0.1000	3
Sb	121	159	He	0.021	ppb	129.2	76.67	0.0014	Pulse	0.1000	3
Ba	137	159	He	0.630	ppb	35.2	390.02	0.0069	Pulse	0.1000	3
Tl	205	159	He	-0.004	ppb	N/A	113.34	0.0020	Pulse	0.1000	3
Pb	208	159	He	0.013	ppb	30.2	553.36	0.0098	Pulse	0.1000	3
U	238	159	He	0.000	ppb	N/A	23.33	0.0004	Pulse	0.1000	3

ISTD Table:

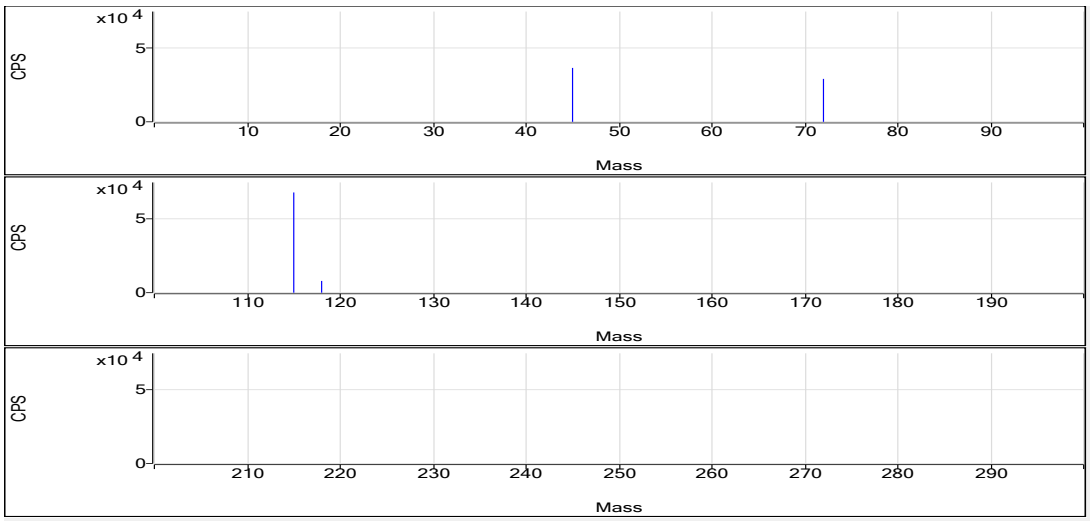
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	190020.81	2.0	103.7	Pulse	0.1000	3
No Gas	Ge	72	120576.27	0.9	107.7	Pulse	0.1000	3
H2	Sc	45	36526.73	1.4	107.7	Pulse	0.1000	3
H2	Ge	72	29090.36	2.4	112.5	Pulse	0.1000	3
H2	In	115	67919.57	0.5	106.2	Pulse	0.1000	3
He	Sc	45	4767.60	2.7	100.3	Pulse	0.1000	3
He	Ge	72	10257.31	3.2	105.4	Pulse	0.1000	3
He	In	115	12747.59	3.2	108.8	Pulse	0.1000	3
He	Tb	159	56354.70	0.4	113.0	Pulse	0.1000	3
He	Bi	209	46955.43	1.1	114.8	Pulse	0.1000	3

No Gas

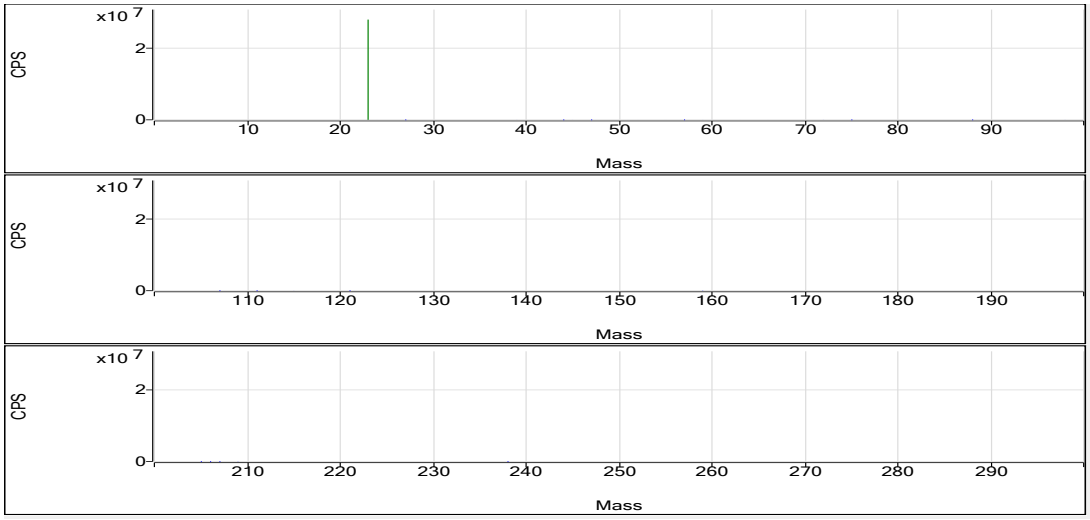


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.046	0.0003	60.00	0.0035	0.0001638
Be	9	1	No Gas	0.024	0.0002	48.00	0.0035	0.0001638
Be	9	1	No Gas	0.04	0.0003	58.00	0.0035	0.0001638
Se	78	2	H2	0.015	0.0001	4.00	0.0035	8.664E-05
Se	78	2	H2	-0.006	0.0001	2.00	0.0035	8.664E-05
Se	78	2	H2	-0.012	0	1.33	0.0035	8.664E-05
Na	23	3	He	270190.117	5849.4087	28550847.07	0.0216	0.8064
Na	23	3	He	279899.435	6059.579	28061304.58	0.0216	0.8064
Na	23	3	He	266743.799	5774.8089	27666589.59	0.0216	0.8064
Mg	24	3	He	0.105	0.1065	520.03	0.0109	0.1054
Mg	24	3	He	3.013	0.1382	640.03	0.0109	0.1054
Mg	24	3	He	1.439	0.1211	580.03	0.0109	0.1054
Al	27	3	He	0.865	0.0123	60.00	0.0037	0.009095
Al	27	3	He	1.045	0.013	60.00	0.0037	0.009095
Al	27	3	He	0.363	0.0104	50.00	0.0037	0.009095
K	39	3	He	7.438	1.4017	6841.85	0.0099	1.328
K	39	3	He	10.737	1.4342	6641.81	0.0099	1.328
K	39	3	He	5.872	1.3863	6641.69	0.0099	1.328
Ca	44	3	He	12.7	0.0076	100.00	0.0002	0.004867
Ca	44	3	He	2.601	0.0054	70.00	0.0002	0.004867
Ca	44	3	He	-11.079	0.0024	30.00	0.0002	0.004867
Ti	47	3	He	0.478	0.001	10.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0.464	0.0009	10.00	0.002	0
V	51	3	He	0.576	0.1348	658.02	0.1638	0.04039
V	51	3	He	0.494	0.1214	562.01	0.1638	0.04039
V	51	3	He	0.615	0.1411	676.02	0.1638	0.04039
Cr	52	3	He	-0.344	0.0477	490.03	0.1041	0.08357
Cr	52	3	He	-0.328	0.0494	490.03	0.1041	0.08357
Cr	52	3	He	-0.303	0.052	550.03	0.1041	0.08357
Mn	55	3	He	0.942	0.0555	570.03	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.941	0.0554	550.03	0.0509	0.00756
Mn	55	3	He	0.818	0.0492	520.03	0.0509	0.00756
Fe	57	3	He	-0.783	0.0205	100.00	0.0041	0.02373
Fe	57	3	He	1.049	0.0281	130.00	0.0041	0.02373
Fe	57	3	He	2.84	0.0355	170.01	0.0041	0.02373
Co	59	3	He	1.811	0.366	3760.61	0.1966	0.009981
Co	59	3	He	1.753	0.3548	3520.55	0.1966	0.009981
Co	59	3	He	1.609	0.3263	3450.57	0.1966	0.009981
Ni	60	3	He	2.684	0.1346	1760.16	0.0432	0.01878
Ni	60	3	He	2.805	0.1398	1800.18	0.0432	0.01878
Ni	60	3	He	2.506	0.1269	1560.13	0.0432	0.01878
Cu	63	3	He	0.09	0.0229	300.02	0.1222	0.01194
Cu	63	3	He	0.157	0.0311	400.02	0.1222	0.01194
Cu	63	3	He	0.182	0.0342	420.02	0.1222	0.01194
Zn	66	3	He	2.22	0.0382	500.03	0.0159	0.002839
Zn	66	3	He	2.696	0.0458	590.03	0.0159	0.002839
Zn	66	3	He	2.526	0.0431	530.03	0.0159	0.002839
As	75	3	He	0.227	0.004	52.00	0.0132	0.0009658
As	75	3	He	0.22	0.0039	50.00	0.0132	0.0009658
As	75	3	He	0.161	0.0031	38.00	0.0132	0.0009658
Sr	88	3	He	0.106	0.0146	150.01	0.0864	0.005458
Sr	88	3	He	0.123	0.0161	160.01	0.0864	0.005458
Sr	88	3	He	0.068	0.0113	120.00	0.0864	0.005458
Mo	98	3	He	3.871	0.1194	6701.84	0.0303	0.001942
Mo	98	3	He	4.093	0.1261	7102.07	0.0303	0.001942
Mo	98	3	He	4.027	0.1241	7021.96	0.0303	0.001942
Ag	107	3	He	-0.004	0.001	10.00	0.3501	0.002425
Ag	107	3	He	0.005	0.004	40.00	0.3501	0.002425
Ag	107	3	He	0.004	0.0038	40.00	0.3501	0.002425
Cd	111	3	He	0.016	0.0008	8.00	0.0454	6.986E-05
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.023	0.0011	12.00	0.0454	6.986E-05
Sn	120	3	He	0.239	0.0429	2410.30	0.0284	0.03615
Sn	120	3	He	0.14	0.0401	2260.26	0.0284	0.03615
Sn	120	3	He	0.165	0.0408	2310.27	0.0284	0.03615
Sb	121	3	He	0.051	0.0021	120.01	0.0262	0.000803
Sb	121	3	He	-0.004	0.0007	40.00	0.0262	0.000803
Sb	121	3	He	0.017	0.0012	70.00	0.0262	0.000803
Ba	137	3	He	0.868	0.0093	520.03	0.0098	0.0007342
Ba	137	3	He	0.594	0.0066	370.02	0.0098	0.0007342
Ba	137	3	He	0.429	0.0049	280.01	0.0098	0.0007342
Tl	205	3	He	0.001	0.003	170.01	0.1945	0.002744
Tl	205	3	He	-0.006	0.0016	90.00	0.1945	0.002744
Tl	205	3	He	-0.007	0.0014	80.00	0.1945	0.002744
Pb	208	3	He	0.016	0.0107	360.02	0.2651	0.006358
Pb	208	3	He	0.014	0.0101	320.02	0.2651	0.006358
Pb	208	3	He	0.009	0.0087	290.02	0.2651	0.006358
U	238	3	He	-0.001	0.0002	10.00	0.3022	0.0005338
U	238	3	He	-0.001	0.0002	10.00	0.3022	0.0005338
U	238	3	He	0.001	0.0009	50.00	0.3022	0.0005338
Sc	45	1	No Gas			185976.60		
Sc	45	1	No Gas			193317.99		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			190767.83		
Ge	72	1	No Gas			120576.58		
Ge	72	1	No Gas			121675.42		
Ge	72	1	No Gas			119476.80		
Sc	45	2	H2			36406.27		
Sc	45	2	H2			36095.67		
Sc	45	2	H2			37078.25		
Ge	72	2	H2			28348.73		
Ge	72	2	H2			29751.98		
Ge	72	2	H2			29170.37		
In	115	2	H2			67966.63		
In	115	2	H2			67534.43		
In	115	2	H2			68257.64		
Sc	45	3	He			4880.98		
Sc	45	3	He			4630.90		
Sc	45	3	He			4790.91		
Ge	72	3	He			10274.04		
Ge	72	3	He			9923.69		
Ge	72	3	He			10574.21		
In	115	3	He			13086.74		
In	115	3	He			12886.37		
In	115	3	He			12305.78		
Tb	159	3	He			56147.06		
Tb	159	3	He			56327.94		
Tb	159	3	He			56589.09		
Bi	209	3	He			46424.08		
Bi	209	3	He			46975.03		
Bi	209	3	He			47467.19		

Quantitation Report

Data File Name	112SMPL.d
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\25F12B00.b
Acq Time	6/12/2025 8:02:43 PM
Sample Name	LCS 410-654531/2-A
Sample Type	Sample
Comment	E10
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

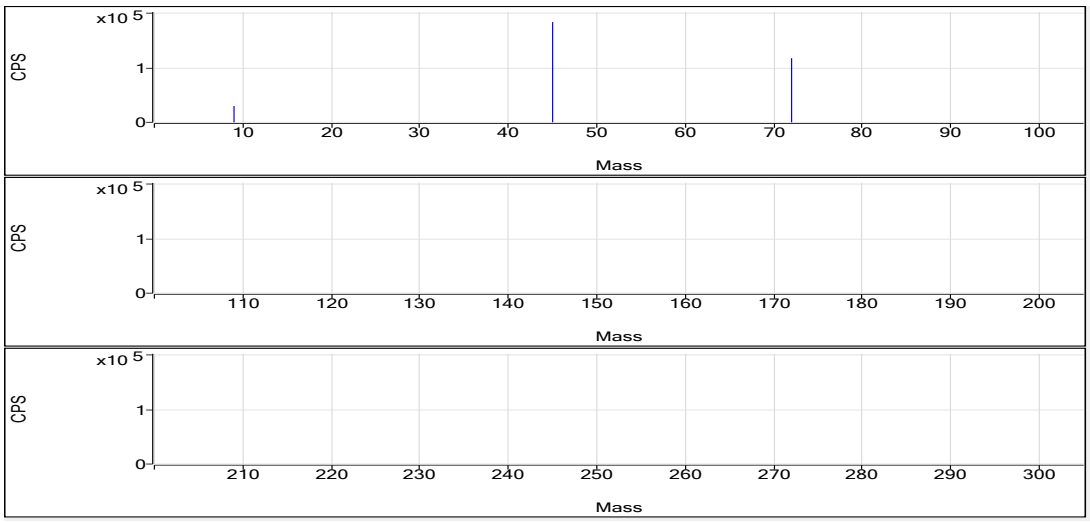
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	46.712	ppb	0.1	29871.77	0.1625	Pulse	0.5000	3
Se	78	72	H2	95.143	ppb	1.4	9633.47	0.3360	Pulse	1.5000	3
Na	23	45	He	268243.093	ppb	2.6	28157670.41	5 807.2630	Analog	0.1000	3
Mg	24	45	He	4556.351	ppb	1.5	241182.37	49.7313	Pulse	0.1000	3
Al	27	45	He	4631.560	ppb	1.8	83077.79	17.1313	Pulse	0.1000	3
K	39	45	He	4613.778	ppb	2.2	226854.33	46.7804	Pulse	0.1000	3
Ca	44	115	He	4516.460	ppb	7.8	12492.43	0.9940	Pulse	0.1000	3
Ti	47	72	He	470.936	ppb	0.8	9523.46	0.9597	Pulse	0.1000	3
V	51	45	He	474.286	ppb	2.2	376982.56	77.7421	Pulse	0.5000	3
Cr	52	72	He	453.898	ppb	2.0	469762.88	47.3449	Pulse	0.1000	3
Mn	55	72	He	444.826	ppb	1.8	224676.65	22.6433	Pulse	0.1000	3
Fe	57	45	He	4697.370	ppb	1.6	94427.80	19.4709	Pulse	0.1000	3
Co	59	72	He	450.662	ppb	1.0	879501.84	88.6320	Pulse	0.1000	3
Ni	60	115	He	439.091	ppb	5.5	238526.81	18.9687	Pulse	0.1000	3
Cu	63	115	He	444.708	ppb	5.2	683350.48	54.3382	Pulse	0.1000	3
Zn	66	115	He	467.033	ppb	5.9	93668.46	7.4499	Pulse	0.1000	3
As	75	115	He	473.273	ppb	5.9	78783.33	6.2660	Pulse	0.5000	3
Sr	88	72	He	45.899	ppb	1.7	39392.30	3.9701	Pulse	0.1000	3
Mo	98	159	He	48.839	ppb	1.9	82733.28	1.4833	Pulse	0.1000	3
Ag	107	72	He	45.230	ppb	1.2	157169.73	15.8392	Pulse	0.1000	3
Cd	111	72	He	46.511	ppb	2.0	20955.07	2.1120	Pulse	0.5000	3
Sn	120	159	He	91.875	ppb	3.1	147667.48	2.6478	Pulse	0.1000	3
Sb	121	159	He	94.728	ppb	2.3	138204.81	2.4780	Pulse	0.1000	3
Ba	137	159	He	471.623	ppb	2.5	258510.45	4.6353	Pulse	0.1000	3
Tl	205	159	He	98.203	ppb	2.7	1065420.14	19.1024	Pulse	0.1000	3
Pb	208	159	He	49.100	ppb	2.2	726511.16	13.0246	Pulse	0.1000	3
U	238	159	He	51.875	ppb	2.3	874393.42	15.6754	Pulse	0.1000	3

ISTD Table:

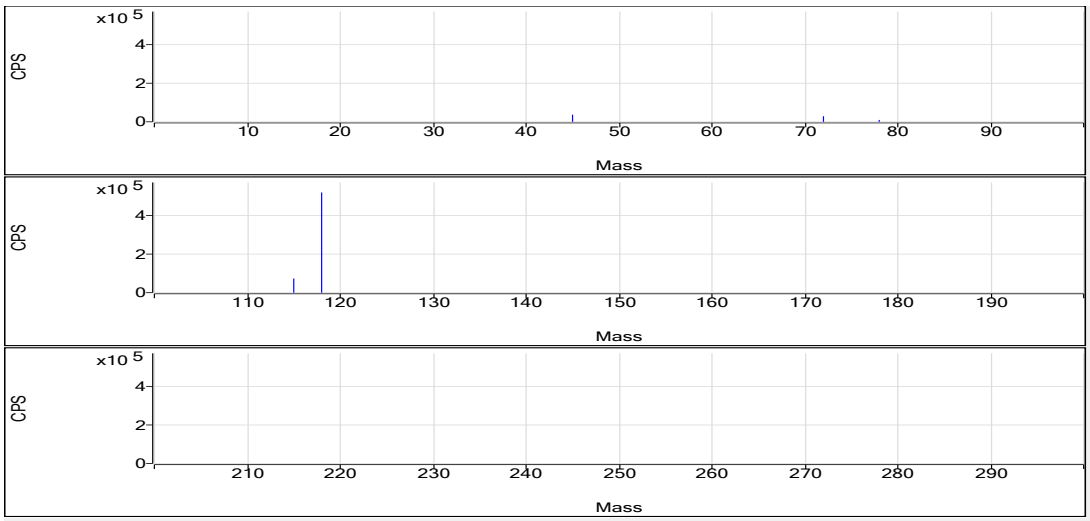
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	183815.77	1.2	100.3	Pulse	0.1000	3
No Gas	Ge	72	117594.85	1.8	105.0	Pulse	0.1000	3
H2	Sc	45	36760.55	2.9	108.4	Pulse	0.1000	3
H2	Ge	72	28676.21	1.5	110.9	Pulse	0.1000	3
H2	In	115	73022.38	0.6	114.2	Pulse	0.1000	3
He	Sc	45	4850.95	2.7	102.0	Pulse	0.1000	3
He	Ge	72	9923.71	1.4	102.0	Pulse	0.1000	3
He	In	115	12596.22	4.7	107.6	Pulse	0.1000	3
He	Tb	159	55792.59	2.5	111.8	Pulse	0.1000	3
He	Bi	209	46650.75	1.7	114.1	Pulse	0.1000	3

No Gas

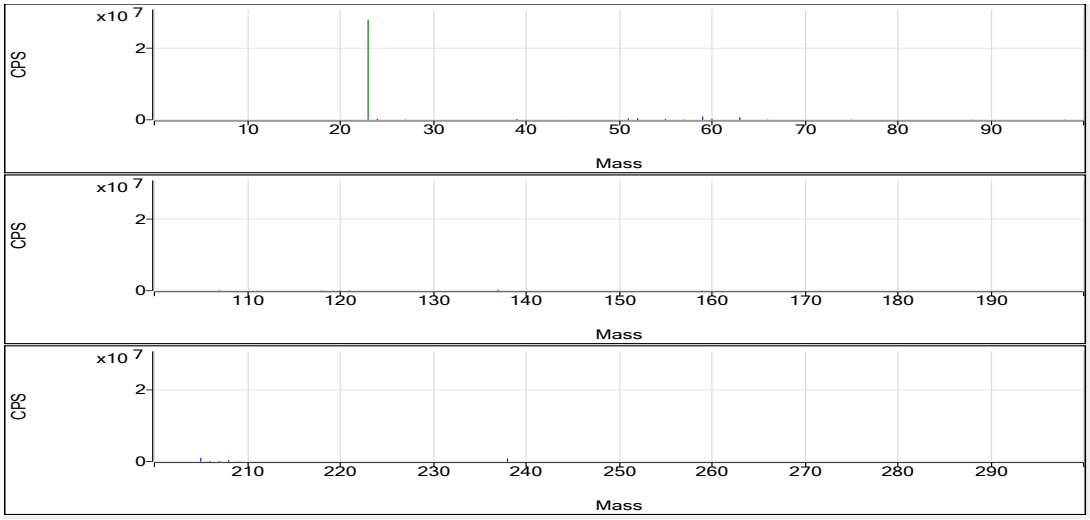


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	46.676	0.1624	29863.75	0.0035	0.0001638
Be	9	1	No Gas	46.768	0.1627	30266.55	0.0035	0.0001638
Be	9	1	No Gas	46.693	0.1624	29485.00	0.0035	0.0001638
Se	78	2	H2	96.634	0.3412	9612.57	0.0035	8.664E-05
Se	78	2	H2	94.756	0.3346	9687.28	0.0035	8.664E-05
Se	78	2	H2	94.039	0.3321	9600.55	0.0035	8.664E-05
Na	23	3	He	268717.367	5817.5292	28336952.08	0.0216	0.8064
Na	23	3	He	260975.675	5649.9506	28085904.58	0.0216	0.8064
Na	23	3	He	275036.238	5954.3091	28050154.58	0.0216	0.8064
Mg	24	3	He	4568.214	49.8605	242868.28	0.0109	0.1054
Mg	24	3	He	4483.787	48.9409	243285.31	0.0109	0.1054
Mg	24	3	He	4617.053	50.3924	237393.51	0.0109	0.1054
Al	27	3	He	4648.938	17.1955	83758.69	0.0037	0.009095
Al	27	3	He	4542.152	16.8008	83516.53	0.0037	0.009095
Al	27	3	He	4703.589	17.3976	81958.16	0.0037	0.009095
K	39	3	He	4659.45	47.2304	230057.22	0.0099	1.328
K	39	3	He	4497.404	45.634	226846.60	0.0099	1.328
K	39	3	He	4684.481	47.477	223659.18	0.0099	1.328
Ca	44	3	He	4902.722	1.0786	12996.23	0.0002	0.004867
Ca	44	3	He	4428.469	0.9748	12205.41	0.0002	0.004867
Ca	44	3	He	4218.189	0.9287	12275.66	0.0002	0.004867
Ti	47	3	He	472.192	0.9623	9443.47	0.002	0
Ti	47	3	He	466.814	0.9513	9583.56	0.002	0
Ti	47	3	He	473.8	0.9656	9543.34	0.002	0
V	51	3	He	476.076	78.0355	380107.69	0.1638	0.04039
V	51	3	He	463.275	75.9383	377489.38	0.1638	0.04039
V	51	3	He	483.505	79.2525	373350.63	0.1638	0.04039
Cr	52	3	He	463.714	48.367	474652.61	0.1041	0.08357
Cr	52	3	He	446.298	46.5536	468974.88	0.1041	0.08357
Cr	52	3	He	451.681	47.1141	465661.16	0.1041	0.08357
Mn	55	3	He	454.006	23.1104	226795.62	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	439.275	22.3608	225260.50	0.0509	0.00756
Mn	55	3	He	441.196	22.4586	221973.82	0.0509	0.00756
Fe	57	3	He	4646.865	19.2618	93823.48	0.0041	0.02373
Fe	57	3	He	4659.889	19.3157	96018.47	0.0041	0.02373
Fe	57	3	He	4785.355	19.8352	93441.44	0.0041	0.02373
Co	59	3	He	455.913	89.6647	879929.44	0.1966	0.009981
Co	59	3	He	448.065	88.1214	887724.05	0.1966	0.009981
Co	59	3	He	448.008	88.11	870852.02	0.1966	0.009981
Ni	60	3	He	461.554	19.9381	240233.86	0.0432	0.01878
Ni	60	3	He	442.014	19.0948	239096.93	0.0432	0.01878
Ni	60	3	He	413.706	17.8731	236249.64	0.0432	0.01878
Cu	63	3	He	465.32	56.8561	685057.10	0.1222	0.01194
Cu	63	3	He	449.071	54.8711	687071.24	0.1222	0.01194
Cu	63	3	He	419.735	51.2873	677923.11	0.1222	0.01194
Zn	66	3	He	490.954	7.8313	94359.26	0.0159	0.002839
Zn	66	3	He	473.329	7.5503	94541.42	0.0159	0.002839
Zn	66	3	He	436.815	6.9681	92104.71	0.0159	0.002839
As	75	3	He	501.354	6.6377	79977.91	0.0132	0.0009658
As	75	3	He	473.243	6.2656	78455.32	0.0132	0.0009658
As	75	3	He	445.222	5.8947	77916.77	0.0132	0.0009658
Sr	88	3	He	46.53	4.0246	39496.09	0.0864	0.005458
Sr	88	3	He	45.003	3.8927	39215.06	0.0864	0.005458
Sr	88	3	He	46.164	3.993	39465.76	0.0864	0.005458
Mo	98	3	He	49.556	1.5051	82240.23	0.0303	0.001942
Mo	98	3	He	47.791	1.4516	83236.66	0.0303	0.001942
Mo	98	3	He	49.169	1.4934	82722.95	0.0303	0.001942
Ag	107	3	He	45.862	16.0607	157612.77	0.3501	0.002425
Ag	107	3	He	44.834	15.7007	158167.25	0.3501	0.002425
Ag	107	3	He	44.993	15.7562	155729.17	0.3501	0.002425
Cd	111	3	He	47.197	2.1431	21031.86	0.0454	6.986E-05
Cd	111	3	He	45.434	2.0631	20783.45	0.0454	6.986E-05
Cd	111	3	He	46.902	2.1298	21049.90	0.0454	6.986E-05
Sn	120	3	He	95.186	2.7419	149823.56	0.0284	0.03615
Sn	120	3	He	89.848	2.5902	148529.31	0.0284	0.03615
Sn	120	3	He	90.59	2.6113	144649.58	0.0284	0.03615
Sb	121	3	He	97.078	2.5394	138758.98	0.0262	0.000803
Sb	121	3	He	92.801	2.4276	139204.92	0.0262	0.000803
Sb	121	3	He	94.304	2.4669	136650.54	0.0262	0.000803
Ba	137	3	He	484.082	4.7577	259966.52	0.0098	0.0007342
Ba	137	3	He	460.41	4.5251	259479.10	0.0098	0.0007342
Ba	137	3	He	470.377	4.623	256085.74	0.0098	0.0007342
Tl	205	3	He	98.333	19.1276	1045159.44	0.1945	0.002744
Tl	205	3	He	95.451	18.5671	1064684.83	0.1945	0.002744
Tl	205	3	He	100.826	19.6126	1086416.16	0.1945	0.002744
Pb	208	3	He	48.943	12.9828	380635.58	0.2651	0.006358
Pb	208	3	He	48.093	12.7574	389514.25	0.2651	0.006358
Pb	208	3	He	50.265	13.3335	395945.85	0.2651	0.006358
U	238	3	He	51.576	15.5851	851593.11	0.3022	0.0005338
U	238	3	He	50.85	15.3656	881103.11	0.3022	0.0005338
U	238	3	He	53.199	16.0755	890484.05	0.3022	0.0005338
Sc	45	1	No Gas			183910.06		
Sc	45	1	No Gas			186025.82		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			181511.42		
Ge	72	1	No Gas			118207.05		
Ge	72	1	No Gas			119335.18		
Ge	72	1	No Gas			115242.33		
Sc	45	2	H2			37388.93		
Sc	45	2	H2			37348.56		
Sc	45	2	H2			35544.16		
Ge	72	2	H2			28168.82		
Ge	72	2	H2			28950.15		
Ge	72	2	H2			28909.67		
In	115	2	H2			73424.44		
In	115	2	H2			72500.03		
In	115	2	H2			73142.68		
Sc	45	3	He			4870.96		
Sc	45	3	He			4971.00		
Sc	45	3	He			4710.90		
Ge	72	3	He			9813.56		
Ge	72	3	He			10073.88		
Ge	72	3	He			9883.69		
In	115	3	He			12836.35		
In	115	3	He			13316.87		
In	115	3	He			13987.37		
Tb	159	3	He			54641.41		
Tb	159	3	He			57342.61		
Tb	159	3	He			55393.74		
Bi	209	3	He			46865.18		
Bi	209	3	He			45770.98		
Bi	209	3	He			47316.10		

Quantitation Report

Data File Name	113SMPL.d
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Sample Type	Sample
Comment	E10
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

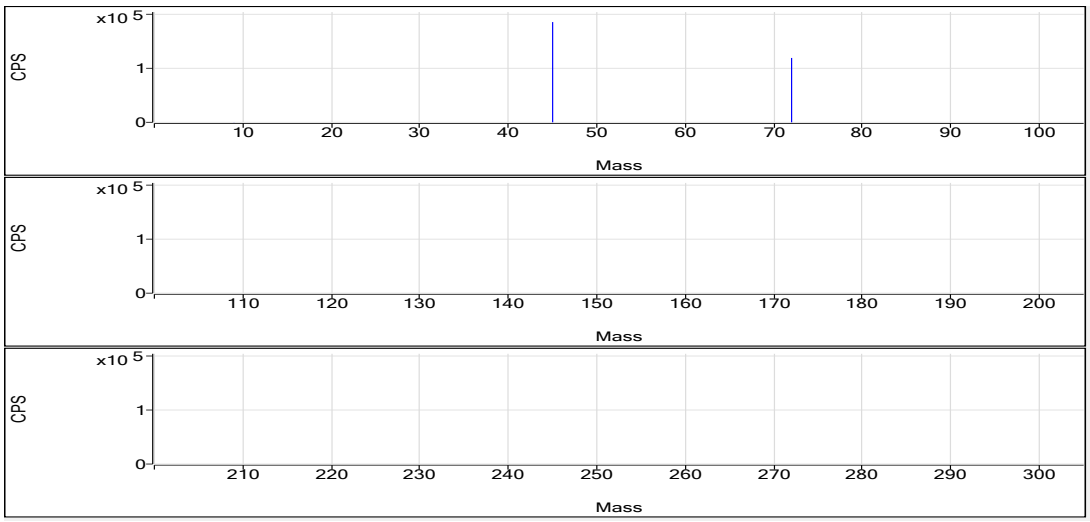
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.268	ppb	5.3	203.33	0.0011	Pulse	0.5000	3
Se	78	72	H2	0.269	ppb	10.6	29.33	0.0010	Pulse	1.5000	3
Na	23	45	He	266736.330	ppb	5.1	27711244.59	5 774.6472	Analog	0.1000	3
Mg	24	45	He	501.687	ppb	3.3	26744.81	5.5696	Pulse	0.1000	3
Al	27	45	He	104.137	ppb	13.9	1890.19	0.3941	Pulse	0.1000	3
K	39	45	He	6216.291	ppb	4.9	300282.34	62.5674	Pulse	0.1000	3
Ca	44	115	He	11984.273	ppb	4.4	31187.47	2.6296	Pulse	0.1000	3
Ti	47	72	He	65.482	ppb	14.7	1320.10	0.1334	Pulse	0.1000	3
V	51	45	He	4.515	ppb	6.8	3741.17	0.7800	Pulse	0.5000	3
Cr	52	72	He	204.377	ppb	2.0	211412.97	21.3639	Pulse	0.1000	3
Mn	55	72	He	178.604	ppb	2.2	90006.55	9.0961	Pulse	0.1000	3
Fe	57	45	He	8338.821	ppb	5.5	165752.08	34.5466	Pulse	0.1000	3
Co	59	72	He	11.902	ppb	1.8	23266.15	2.3505	Pulse	0.1000	3
Ni	60	115	He	304.340	ppb	2.3	156020.31	13.1532	Pulse	0.1000	3
Cu	63	115	He	41.853	ppb	2.9	60789.17	5.1248	Pulse	0.1000	3
Zn	66	115	He	103.262	ppb	3.4	19564.06	1.6494	Pulse	0.1000	3
As	75	115	He	0.946	ppb	11.1	160.00	0.0135	Pulse	0.5000	3
Sr	88	72	He	16.720	ppb	4.6	14347.74	1.4497	Pulse	0.1000	3
Mo	98	159	He	10.405	ppb	1.7	17825.23	0.3175	Pulse	0.1000	3
Ag	107	72	He	0.011	ppb	73.9	63.33	0.0064	Pulse	0.1000	3
Cd	111	72	He	0.123	ppb	15.3	56.00	0.0057	Pulse	0.5000	3
Sn	120	159	He	2.793	ppb	8.3	6485.09	0.1156	Pulse	0.1000	3
Sb	121	159	He	0.483	ppb	19.0	756.71	0.0134	Pulse	0.1000	3
Ba	137	159	He	1.370	ppb	8.7	796.72	0.0142	Pulse	0.1000	3
Tl	205	159	He	0.046	ppb	6.0	653.38	0.0116	Pulse	0.1000	3
Pb	208	159	He	1.022	ppb	1.9	15570.88	0.2773	Pulse	0.1000	3
U	238	159	He	0.203	ppb	5.9	3477.27	0.0619	Pulse	0.1000	3

ISTD Table:

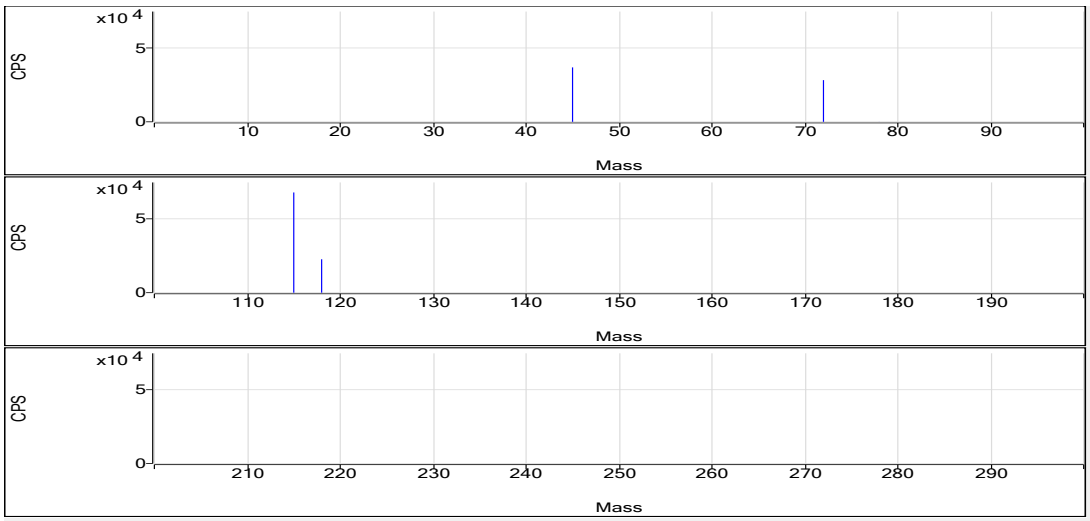
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	185745.86	2.1	101.4	Pulse	0.1000	3
No Gas	Ge	72	119267.88	1.8	106.5	Pulse	0.1000	3
H2	Sc	45	37007.99	4.3	109.1	Pulse	0.1000	3
H2	Ge	72	28342.07	2.9	109.6	Pulse	0.1000	3
H2	In	115	68154.54	1.1	106.6	Pulse	0.1000	3
He	Sc	45	4807.61	5.5	101.1	Pulse	0.1000	3
He	Ge	72	9897.12	1.5	101.7	Pulse	0.1000	3
He	In	115	11863.47	1.0	101.3	Pulse	0.1000	3
He	Tb	159	56147.76	2.2	112.5	Pulse	0.1000	3
He	Bi	209	47708.05	3.6	116.7	Pulse	0.1000	3

No Gas

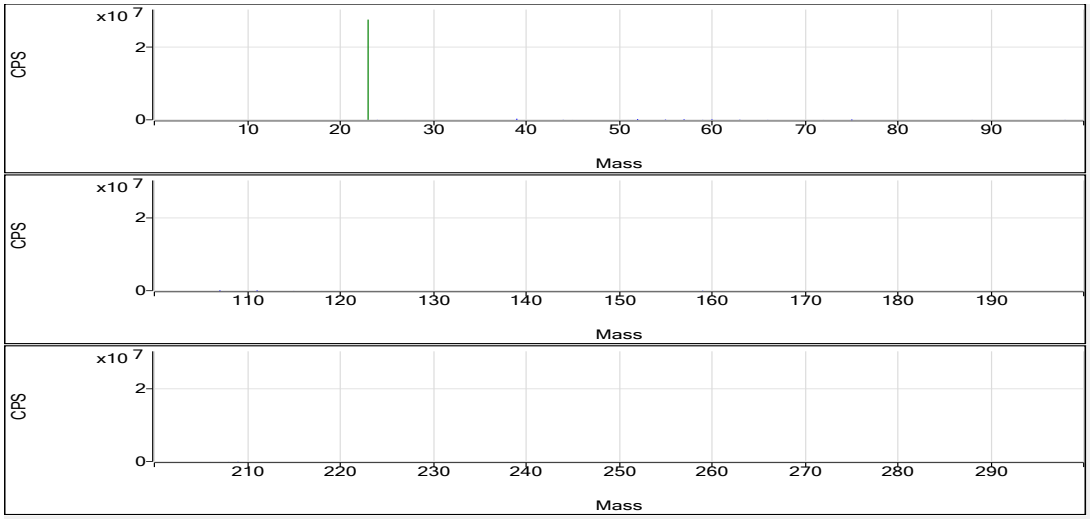


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.251	0.001	188.00	0.0035	0.0001638
Be	9	1	No Gas	0.275	0.0011	210.00	0.0035	0.0001638
Be	9	1	No Gas	0.276	0.0011	212.00	0.0035	0.0001638
Se	78	2	H2	0.236	0.0009	26.67	0.0035	8.664E-05
Se	78	2	H2	0.286	0.0011	31.33	0.0035	8.664E-05
Se	78	2	H2	0.285	0.0011	30.00	0.0035	8.664E-05
Na	23	3	He	253254.351	5482.8129	27913329.58	0.0216	0.8064
Na	23	3	He	280512.19	6072.8429	27758114.59	0.0216	0.8064
Na	23	3	He	266442.45	5768.2858	27462289.59	0.0216	0.8064
Mg	24	3	He	484.209	5.3792	27385.79	0.0109	0.1054
Mg	24	3	He	516.876	5.735	26213.84	0.0109	0.1054
Mg	24	3	He	503.975	5.5945	26634.79	0.0109	0.1054
Al	27	3	He	102.221	0.387	1970.20	0.0037	0.009095
Al	27	3	He	119.463	0.4507	2060.23	0.0037	0.009095
Al	27	3	He	90.728	0.3445	1640.14	0.0037	0.009095
K	39	3	He	5914.445	59.5938	303395.46	0.0099	1.328
K	39	3	He	6520.578	65.565	299688.43	0.0099	1.328
K	39	3	He	6213.851	62.5433	297763.14	0.0099	1.328
Ca	44	3	He	12479.877	2.7381	32116.03	0.0002	0.004867
Ca	44	3	He	12040.873	2.642	31464.85	0.0002	0.004867
Ca	44	3	He	11432.068	2.5086	29981.53	0.0002	0.004867
Ti	47	3	He	54.94	0.112	1120.07	0.002	0
Ti	47	3	He	73.878	0.1506	1500.12	0.002	0
Ti	47	3	He	67.628	0.1378	1340.12	0.002	0
V	51	3	He	4.178	0.7249	3690.48	0.1638	0.04039
V	51	3	He	4.783	0.824	3766.51	0.1638	0.04039
V	51	3	He	4.582	0.7911	3766.51	0.1638	0.04039
Cr	52	3	He	205.227	21.4524	214607.26	0.1041	0.08357
Cr	52	3	He	199.957	20.9038	208280.33	0.1041	0.08357
Cr	52	3	He	207.946	21.7356	211351.31	0.1041	0.08357
Mn	55	3	He	174.829	8.904	89074.71	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	178.372	9.0843	90513.93	0.0509	0.00756
Mn	55	3	He	182.611	9.3	90431.00	0.0509	0.00756
Fe	57	3	He	7852.659	32.5338	165631.68	0.0041	0.02373
Fe	57	3	He	8768.776	36.3266	166043.65	0.0041	0.02373
Fe	57	3	He	8395.03	34.7793	165580.90	0.0041	0.02373
Co	59	3	He	12.134	2.3961	23970.60	0.1966	0.009981
Co	59	3	He	11.846	2.3394	23309.58	0.1966	0.009981
Co	59	3	He	11.726	2.3158	22518.26	0.1966	0.009981
Ni	60	3	He	312.39	13.5006	158352.93	0.0432	0.01878
Ni	60	3	He	299.035	12.9243	153924.03	0.0432	0.01878
Ni	60	3	He	301.595	13.0348	155783.96	0.0432	0.01878
Cu	63	3	He	43.07	5.2734	61853.30	0.1222	0.01194
Cu	63	3	He	40.664	4.9795	59303.75	0.1222	0.01194
Cu	63	3	He	41.827	5.1216	61210.45	0.1222	0.01194
Zn	66	3	He	106.943	1.7081	20034.75	0.0159	0.002839
Zn	66	3	He	99.836	1.5948	18993.28	0.0159	0.002839
Zn	66	3	He	103.007	1.6453	19664.14	0.0159	0.002839
As	75	3	He	1.009	0.0143	168.00	0.0132	0.0009658
As	75	3	He	1.005	0.0143	170.00	0.0132	0.0009658
As	75	3	He	0.825	0.0119	142.00	0.0132	0.0009658
Sr	88	3	He	17.398	1.5083	15088.45	0.0864	0.005458
Sr	88	3	He	15.886	1.3777	13727.06	0.0864	0.005458
Sr	88	3	He	16.876	1.4632	14227.71	0.0864	0.005458
Mo	98	3	He	10.454	0.319	17641.55	0.0303	0.001942
Mo	98	3	He	10.554	0.3221	17902.17	0.0303	0.001942
Mo	98	3	He	10.206	0.3115	17931.97	0.0303	0.001942
Ag	107	3	He	0.016	0.008	80.00	0.3501	0.002425
Ag	107	3	He	0.002	0.003	30.00	0.3501	0.002425
Ag	107	3	He	0.017	0.0082	80.00	0.3501	0.002425
Cd	111	3	He	0.126	0.0058	58.00	0.0454	6.986E-05
Cd	111	3	He	0.14	0.0064	64.00	0.0454	6.986E-05
Cd	111	3	He	0.103	0.0047	46.00	0.0454	6.986E-05
Sn	120	3	He	3.062	0.1232	6811.96	0.0284	0.03615
Sn	120	3	He	2.647	0.1114	6191.61	0.0284	0.03615
Sn	120	3	He	2.671	0.1121	6451.70	0.0284	0.03615
Sb	121	3	He	0.398	0.0112	620.04	0.0262	0.000803
Sb	121	3	He	0.472	0.0131	730.04	0.0262	0.000803
Sb	121	3	He	0.58	0.016	920.06	0.0262	0.000803
Ba	137	3	He	1.508	0.0156	860.06	0.0098	0.0007342
Ba	137	3	He	1.298	0.0135	750.06	0.0098	0.0007342
Ba	137	3	He	1.304	0.0136	780.05	0.0098	0.0007342
Tl	205	3	He	0.043	0.011	610.04	0.1945	0.002744
Tl	205	3	He	0.048	0.0121	670.04	0.1945	0.002744
Tl	205	3	He	0.047	0.0118	680.05	0.1945	0.002744
Pb	208	3	He	1.002	0.2721	8152.82	0.2651	0.006358
Pb	208	3	He	1.042	0.2825	8302.93	0.2651	0.006358
Pb	208	3	He	1.022	0.2773	8603.11	0.2651	0.006358
U	238	3	He	0.215	0.0655	3620.65	0.3022	0.0005338
U	238	3	He	0.191	0.0583	3240.52	0.3022	0.0005338
U	238	3	He	0.204	0.062	3570.65	0.3022	0.0005338
Sc	45	1	No Gas			181225.13		
Sc	45	1	No Gas			187374.45		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			188638.01		
Ge	72	1	No Gas			116814.29		
Ge	72	1	No Gas			120141.80		
Ge	72	1	No Gas			120847.54		
Sc	45	2	H2			38622.38		
Sc	45	2	H2			36967.64		
Sc	45	2	H2			35433.94		
Ge	72	2	H2			28990.17		
Ge	72	2	H2			28599.07		
Ge	72	2	H2			27436.98		
In	115	2	H2			67755.97		
In	115	2	H2			68981.64		
In	115	2	H2			67726.02		
Sc	45	3	He			5091.06		
Sc	45	3	He			4570.86		
Sc	45	3	He			4760.91		
Ge	72	3	He			10003.86		
Ge	72	3	He			9963.77		
Ge	72	3	He			9723.74		
In	115	3	He			11765.43		
In	115	3	He			11945.50		
In	115	3	He			11985.58		
Tb	159	3	He			55294.00		
Tb	159	3	He			55585.91		
Tb	159	3	He			57563.38		
Bi	209	3	He			45730.80		
Bi	209	3	He			48470.43		
Bi	209	3	He			48922.93		

Quantitation Report

Data File Name	114SMPL.d
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Sample Name	410-224977-D-1-H DU
Sample Type	Sample
Comment	E10
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

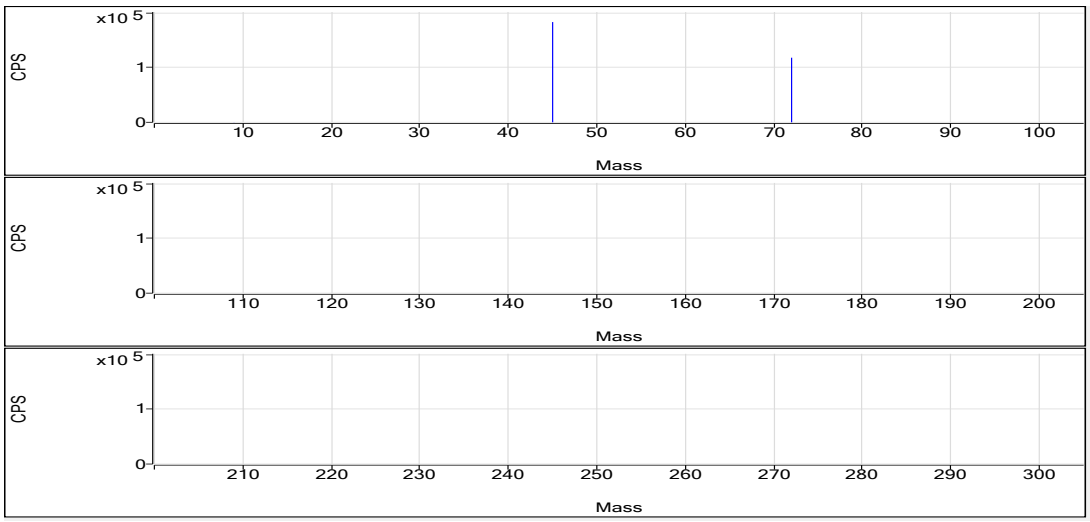
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.244	ppb	7.0	185.33	0.0010	Pulse	0.5000	3
Se	78	72	H2	0.048	ppb	40.4	7.55	0.0003	Pulse	1.5000	3
Na	23	45	He	253111.517	ppb	4.0	27861363.75	5 479.7211	Analog	0.1000	3
Mg	24	45	He	465.076	ppb	5.1	26284.00	5.1708	Pulse	0.1000	3
Al	27	45	He	105.780	ppb	9.0	2033.55	0.4001	Pulse	0.1000	3
K	39	45	He	5860.210	ppb	3.3	300360.17	59.0595	Pulse	0.1000	3
Ca	44	115	He	12520.586	ppb	0.5	31631.89	2.7470	Pulse	0.1000	3
Ti	47	72	He	59.676	ppb	17.4	1213.43	0.1216	Pulse	0.1000	3
V	51	45	He	4.207	ppb	3.6	3710.49	0.7296	Pulse	0.5000	3
Cr	52	72	He	203.005	ppb	0.6	211933.42	21.2211	Pulse	0.1000	3
Mn	55	72	He	181.663	ppb	0.2	92398.13	9.2518	Pulse	0.1000	3
Fe	57	45	He	7839.045	ppb	3.7	165155.29	32.4775	Pulse	0.1000	3
Co	59	72	He	11.462	ppb	1.6	22608.41	2.2640	Pulse	0.1000	3
Ni	60	115	He	315.802	ppb	1.0	157148.73	13.6479	Pulse	0.1000	3
Cu	63	115	He	43.289	ppb	1.8	61026.66	5.3002	Pulse	0.1000	3
Zn	66	115	He	109.683	ppb	5.3	20161.40	1.7518	Pulse	0.1000	3
As	75	115	He	0.677	ppb	25.0	114.00	0.0099	Pulse	0.5000	3
Sr	88	72	He	16.872	ppb	3.9	14608.00	1.4628	Pulse	0.1000	3
Mo	98	159	He	9.787	ppb	3.3	16807.18	0.2988	Pulse	0.1000	3
Ag	107	72	He	0.013	ppb	44.4	70.00	0.0070	Pulse	0.1000	3
Cd	111	72	He	0.084	ppb	24.6	38.67	0.0039	Pulse	0.5000	3
Sn	120	159	He	2.958	ppb	3.4	6765.25	0.1202	Pulse	0.1000	3
Sb	121	159	He	0.234	ppb	27.4	390.02	0.0069	Pulse	0.1000	3
Ba	137	159	He	1.669	ppb	13.2	963.41	0.0171	Pulse	0.1000	3
Tl	205	159	He	0.021	ppb	53.0	386.69	0.0069	Pulse	0.1000	3
Pb	208	159	He	1.012	ppb	3.0	15454.09	0.2747	Pulse	0.1000	3
U	238	159	He	0.186	ppb	1.5	3190.51	0.0567	Pulse	0.1000	3

ISTD Table:

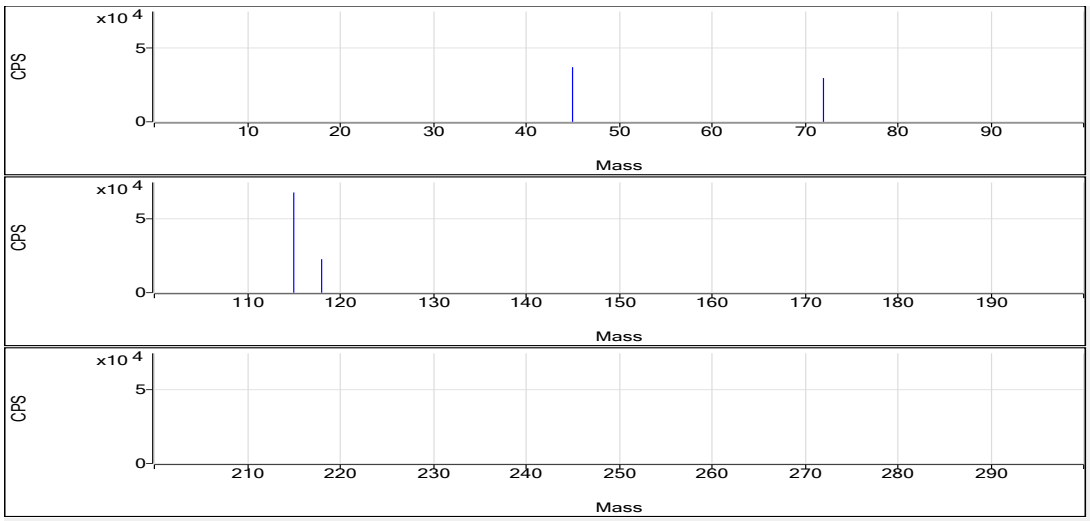
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	183028.76	0.3	99.9	Pulse	0.1000	3
No Gas	Ge	72	117956.49	0.8	105.3	Pulse	0.1000	3
H2	Sc	45	36787.44	1.5	108.5	Pulse	0.1000	3
H2	Ge	72	29484.41	0.3	114.0	Pulse	0.1000	3
H2	In	115	67494.59	1.2	105.6	Pulse	0.1000	3
He	Sc	45	5091.06	4.9	107.1	Pulse	0.1000	3
He	Ge	72	9987.19	0.9	102.6	Pulse	0.1000	3
He	In	115	11515.21	1.5	98.3	Pulse	0.1000	3
He	Tb	159	56271.07	1.8	112.8	Pulse	0.1000	3
He	Bi	209	46500.18	2.5	113.7	Pulse	0.1000	3

No Gas

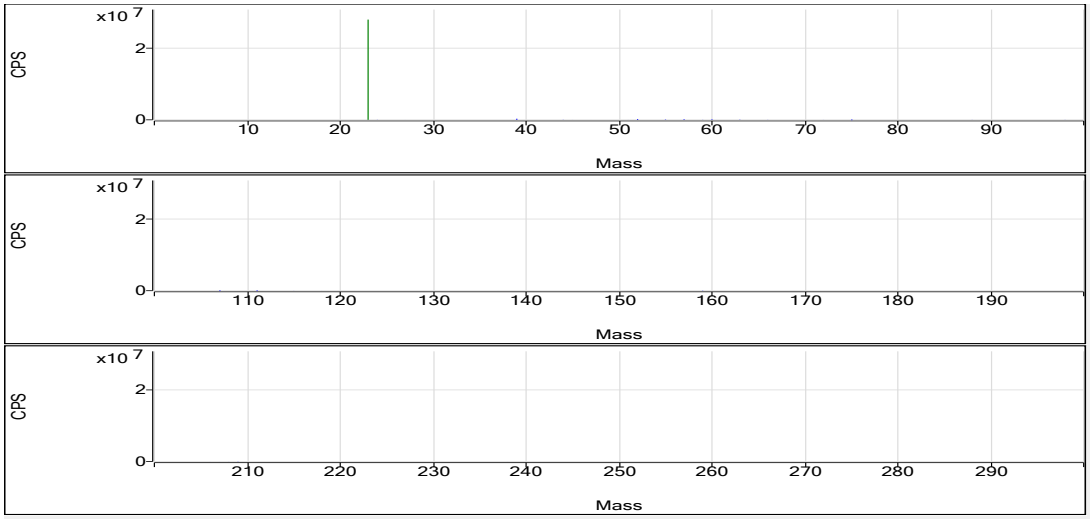


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.237	0.001	180.00	0.0035	0.0001638
Be	9	1	No Gas	0.232	0.001	178.00	0.0035	0.0001638
Be	9	1	No Gas	0.264	0.0011	198.00	0.0035	0.0001638
Se	78	2	H2	0.065	0.0003	9.33	0.0035	8.664E-05
Se	78	2	H2	0.027	0.0002	5.33	0.0035	8.664E-05
Se	78	2	H2	0.052	0.0003	8.00	0.0035	8.664E-05
Na	23	3	He	241721.643	5233.1731	28108314.58	0.0216	0.8064
Na	23	3	He	256461.009	5552.2251	27766899.59	0.0216	0.8064
Na	23	3	He	261151.898	5653.7652	27708877.09	0.0216	0.8064
Mg	24	3	He	437.908	4.8749	26184.01	0.0109	0.1054
Mg	24	3	He	480.225	5.3358	26684.58	0.0109	0.1054
Mg	24	3	He	477.094	5.3017	25983.42	0.0109	0.1054
Al	27	3	He	100.791	0.3817	2050.21	0.0037	0.009095
Al	27	3	He	99.779	0.378	1890.21	0.0037	0.009095
Al	27	3	He	116.771	0.4408	2160.24	0.0037	0.009095
K	39	3	He	5644.951	56.9389	305829.02	0.0099	1.328
K	39	3	He	5912.584	59.5754	297939.14	0.0099	1.328
K	39	3	He	6023.093	60.6641	297312.34	0.0099	1.328
Ca	44	3	He	12488.025	2.7399	31154.22	0.0002	0.004867
Ca	44	3	He	12477.682	2.7376	32066.18	0.0002	0.004867
Ca	44	3	He	12596.05	2.7635	31675.27	0.0002	0.004867
Ti	47	3	He	47.692	0.0972	980.08	0.002	0
Ti	47	3	He	66.423	0.1354	1350.11	0.002	0
Ti	47	3	He	64.911	0.1323	1310.11	0.002	0
V	51	3	He	4.041	0.7024	3772.51	0.1638	0.04039
V	51	3	He	4.238	0.7347	3674.48	0.1638	0.04039
V	51	3	He	4.342	0.7518	3684.48	0.1638	0.04039
Cr	52	3	He	202.36	21.154	213315.45	0.1041	0.08357
Cr	52	3	He	202.274	21.1449	210895.90	0.1041	0.08357
Cr	52	3	He	204.382	21.3644	211588.90	0.1041	0.08357
Mn	55	3	He	181.339	9.2353	93128.58	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	181.481	9.2425	92183.53	0.0509	0.00756
Mn	55	3	He	182.168	9.2775	91882.27	0.0509	0.00756
Fe	57	3	He	7545.582	31.2625	167916.68	0.0041	0.02373
Fe	57	3	He	7846.007	32.5063	162565.26	0.0041	0.02373
Fe	57	3	He	8125.547	33.6636	164983.92	0.0041	0.02373
Co	59	3	He	11.295	2.2311	22498.32	0.1966	0.009981
Co	59	3	He	11.425	2.2567	22508.21	0.1966	0.009981
Co	59	3	He	11.666	2.304	22818.69	0.1966	0.009981
Ni	60	3	He	319.29	13.7984	156896.70	0.0432	0.01878
Ni	60	3	He	314.417	13.5881	159159.73	0.0432	0.01878
Ni	60	3	He	313.699	13.5572	155389.76	0.0432	0.01878
Cu	63	3	He	44.164	5.4071	61481.70	0.1222	0.01194
Cu	63	3	He	42.975	5.2618	61632.39	0.1222	0.01194
Cu	63	3	He	42.729	5.2318	59965.89	0.1222	0.01194
Zn	66	3	He	114.85	1.8342	20855.80	0.0159	0.002839
Zn	66	3	He	103.444	1.6523	19353.60	0.0159	0.002839
Zn	66	3	He	110.756	1.7689	20274.81	0.0159	0.002839
As	75	3	He	0.764	0.0111	126.00	0.0132	0.0009658
As	75	3	He	0.482	0.0073	86.00	0.0132	0.0009658
As	75	3	He	0.784	0.0113	130.00	0.0132	0.0009658
Sr	88	3	He	16.8	1.4566	14688.04	0.0864	0.005458
Sr	88	3	He	16.254	1.4094	14057.46	0.0864	0.005458
Sr	88	3	He	17.563	1.5225	15078.50	0.0864	0.005458
Mo	98	3	He	9.858	0.301	16720.38	0.0303	0.001942
Mo	98	3	He	10.072	0.3075	17160.95	0.0303	0.001942
Mo	98	3	He	9.429	0.2879	16540.20	0.0303	0.001942
Ag	107	3	He	0.013	0.0069	70.00	0.3501	0.002425
Ag	107	3	He	0.007	0.005	50.00	0.3501	0.002425
Ag	107	3	He	0.019	0.0091	90.00	0.3501	0.002425
Cd	111	3	He	0.099	0.0046	46.00	0.0454	6.986E-05
Cd	111	3	He	0.06	0.0028	28.00	0.0454	6.986E-05
Cd	111	3	He	0.092	0.0042	42.00	0.0454	6.986E-05
Sn	120	3	He	2.915	0.119	6611.85	0.0284	0.03615
Sn	120	3	He	3.072	0.1235	6892.04	0.0284	0.03615
Sn	120	3	He	2.888	0.1182	6791.87	0.0284	0.03615
Sb	121	3	He	0.258	0.0076	420.02	0.0262	0.000803
Sb	121	3	He	0.161	0.005	280.01	0.0262	0.000803
Sb	121	3	He	0.282	0.0082	470.03	0.0262	0.000803
Ba	137	3	He	1.611	0.0166	920.07	0.0098	0.0007342
Ba	137	3	He	1.913	0.0195	1090.09	0.0098	0.0007342
Ba	137	3	He	1.484	0.0153	880.06	0.0098	0.0007342
Tl	205	3	He	0.034	0.0094	520.03	0.1945	0.002744
Tl	205	3	He	0.013	0.0052	290.01	0.1945	0.002744
Tl	205	3	He	0.017	0.0061	350.02	0.1945	0.002744
Pb	208	3	He	1.006	0.2731	7972.71	0.2651	0.006358
Pb	208	3	He	1.045	0.2835	7802.56	0.2651	0.006358
Pb	208	3	He	0.985	0.2675	8322.97	0.2651	0.006358
U	238	3	He	0.184	0.0562	3120.48	0.3022	0.0005338
U	238	3	He	0.189	0.0577	3220.54	0.3022	0.0005338
U	238	3	He	0.184	0.0562	3230.51	0.3022	0.0005338
Sc	45	1	No Gas			182482.75		
Sc	45	1	No Gas			183311.46		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			183292.07		
Ge	72	1	No Gas			117932.52		
Ge	72	1	No Gas			118950.82		
Ge	72	1	No Gas			116986.13		
Sc	45	2	H2			36356.20		
Sc	45	2	H2			37429.10		
Sc	45	2	H2			36577.03		
Ge	72	2	H2			29541.09		
Ge	72	2	H2			29390.97		
Ge	72	2	H2			29521.16		
In	115	2	H2			68107.30		
In	115	2	H2			66620.48		
In	115	2	H2			67755.99		
Sc	45	3	He			5371.18		
Sc	45	3	He			5001.04		
Sc	45	3	He			4900.96		
Ge	72	3	He			10083.95		
Ge	72	3	He			9973.82		
Ge	72	3	He			9903.79		
In	115	3	He			11405.03		
In	115	3	He			11745.38		
In	115	3	He			11495.22		
Tb	159	3	He			55554.71		
Tb	159	3	He			55816.15		
Tb	159	3	He			57442.36		
Bi	209	3	He			45228.95		
Bi	209	3	He			46814.68		
Bi	209	3	He			47456.92		

Quantitation Report

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Sample Name	410-224977-D-1-I MS
Sample Type	Sample
Comment	E10
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

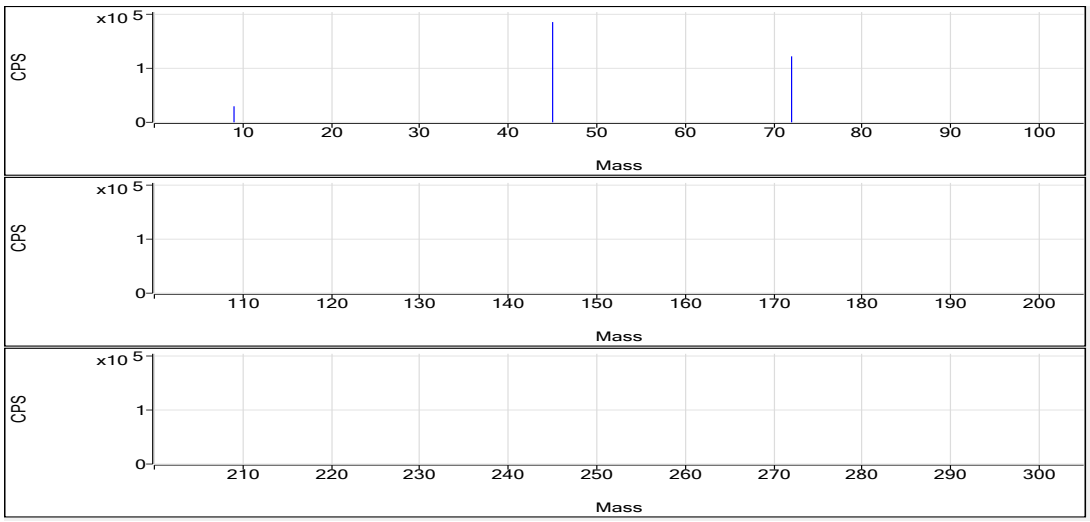
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	45.920	ppb	1.4	29583.89	0.1598	Pulse	0.5000	3
Se	78	72	H2	97.249	ppb	1.5	9734.21	0.3434	Pulse	1.5000	3
Na	23	45	He	241268.445	ppb	2.1	26884019.60	5 223.3631	Analog	0.1000	3
Mg	24	45	He	4598.763	ppb	2.2	258341.44	50.1932	Pulse	0.1000	3
Al	27	45	He	4357.580	ppb	2.6	82960.54	16.1184	Pulse	0.1000	3
K	39	45	He	9800.167	ppb	2.3	503743.14	97.8734	Pulse	0.1000	3
Ca	44	115	He	15893.391	ppb	6.4	41439.84	3.4857	Pulse	0.1000	3
Ti	47	72	He	507.120	ppb	3.2	10153.87	1.0335	Pulse	0.1000	3
V	51	45	He	437.223	ppb	2.7	368861.77	71.6703	Pulse	0.5000	3
Cr	52	72	He	639.678	ppb	0.3	655369.39	66.6889	Pulse	0.1000	3
Mn	55	72	He	608.659	ppb	0.5	304434.88	30.9803	Pulse	0.1000	3
Fe	57	45	He	11816.633	ppb	2.1	251914.19	48.9447	Pulse	0.1000	3
Co	59	72	He	453.792	ppb	0.3	877046.00	89.2475	Pulse	0.1000	3
Ni	60	115	He	739.457	ppb	5.3	379655.70	31.9316	Pulse	0.1000	3
Cu	63	115	He	499.400	ppb	4.8	725598.79	61.0194	Pulse	0.1000	3
Zn	66	115	He	578.505	ppb	5.0	109738.42	9.2274	Pulse	0.1000	3
As	75	115	He	483.882	ppb	5.1	76177.19	6.4064	Pulse	0.5000	3
Sr	88	72	He	61.245	ppb	3.2	52053.58	5.2957	Pulse	0.1000	3
Mo	98	159	He	53.702	ppb	1.6	90896.72	1.6308	Pulse	0.1000	3
Ag	107	72	He	44.890	ppb	1.1	154476.89	15.7203	Pulse	0.1000	3
Cd	111	72	He	46.232	ppb	1.2	20629.26	2.0994	Pulse	0.5000	3
Sn	120	159	He	92.582	ppb	1.4	148701.73	2.6679	Pulse	0.1000	3
Sb	121	159	He	92.776	ppb	1.8	135272.58	2.4269	Pulse	0.1000	3
Ba	137	159	He	465.719	ppb	0.6	255151.48	4.5772	Pulse	0.1000	3
Tl	205	159	He	97.921	ppb	1.6	1061685.48	19.0476	Pulse	0.1000	3
Pb	208	159	He	49.952	ppb	1.4	738562.44	13.2505	Pulse	0.1000	3
U	238	159	He	52.034	ppb	3.0	876315.01	15.7234	Pulse	0.1000	3

ISTD Table:

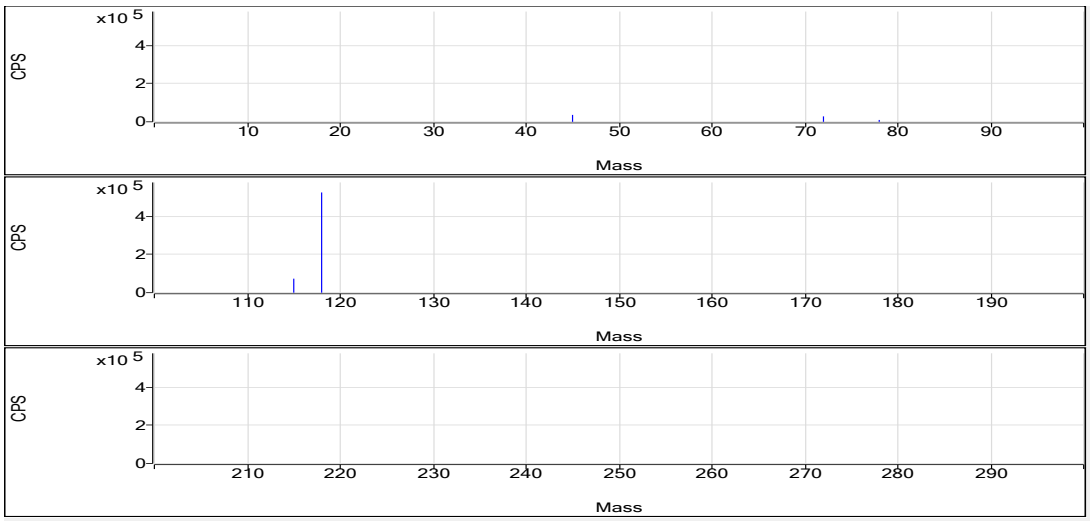
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	185187.46	0.4	101.0	Pulse	0.1000	3
No Gas	Ge	72	121863.34	1.3	108.8	Pulse	0.1000	3
H2	Sc	45	36105.81	0.8	106.5	Pulse	0.1000	3
H2	Ge	72	28348.95	1.7	109.6	Pulse	0.1000	3
H2	In	115	73186.61	1.6	114.5	Pulse	0.1000	3
He	Sc	45	5147.75	1.2	108.3	Pulse	0.1000	3
He	Ge	72	9827.06	1.1	101.0	Pulse	0.1000	3
He	In	115	11909.31	4.7	101.7	Pulse	0.1000	3
He	Tb	159	55742.60	1.1	111.7	Pulse	0.1000	3
He	Bi	209	46526.93	1.8	113.8	Pulse	0.1000	3

No Gas

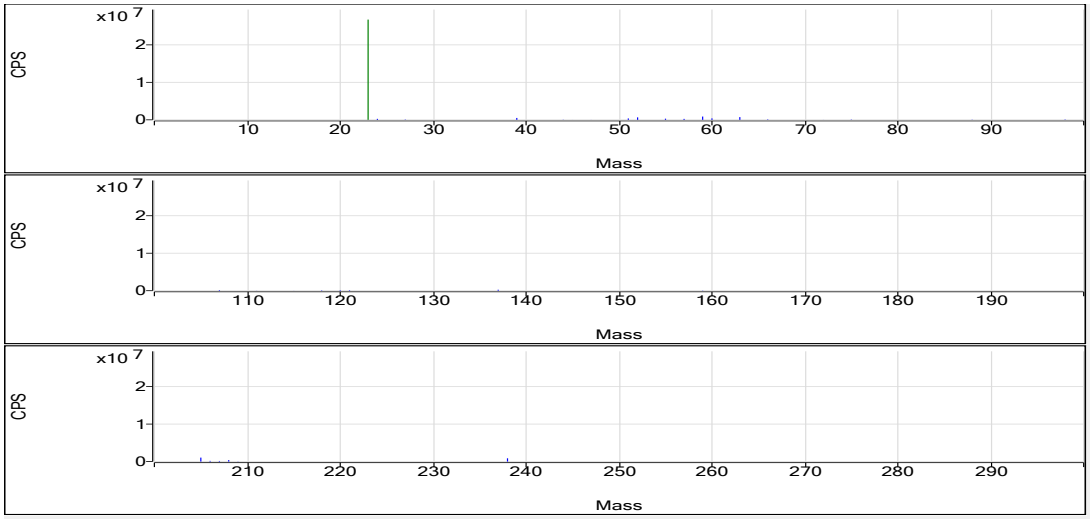


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	46.149	0.1606	29611.27	0.0035	0.0001638
Be	9	1	No Gas	45.186	0.1572	29194.52	0.0035	0.0001638
Be	9	1	No Gas	46.424	0.1615	29945.89	0.0035	0.0001638
Se	78	2	H2	98.676	0.3485	9689.96	0.0035	8.664E-05
Se	78	2	H2	97.335	0.3437	9823.38	0.0035	8.664E-05
Se	78	2	H2	95.736	0.3381	9689.28	0.0035	8.664E-05
Na	23	3	He	245624.133	5317.6473	27178814.60	0.0216	0.8064
Na	23	3	He	242618.581	5252.5884	26846399.60	0.0216	0.8064
Na	23	3	He	235562.623	5099.8534	26626844.60	0.0216	0.8064
Mg	24	3	He	4698.863	51.2834	262112.69	0.0109	0.1054
Mg	24	3	He	4599.635	50.2027	256589.92	0.0109	0.1054
Mg	24	3	He	4497.79	49.0934	256321.71	0.0109	0.1054
Al	27	3	He	4483.095	16.5824	84753.76	0.0037	0.009095
Al	27	3	He	4327.682	16.0079	81817.58	0.0037	0.009095
Al	27	3	He	4261.963	15.7649	82310.29	0.0037	0.009095
K	39	3	He	10012.126	99.9615	510909.13	0.0099	1.328
K	39	3	He	9821.528	98.0838	501314.33	0.0099	1.328
K	39	3	He	9566.846	95.5749	499005.97	0.0099	1.328
Ca	44	3	He	16716.384	3.6659	43094.52	0.0002	0.004867
Ca	44	3	He	14747.234	3.2347	40537.30	0.0002	0.004867
Ca	44	3	He	16216.554	3.5565	40687.71	0.0002	0.004867
Ti	47	3	He	489.701	0.998	9933.68	0.002	0
Ti	47	3	He	522.318	1.0644	10414.08	0.002	0
Ti	47	3	He	509.34	1.038	10113.84	0.002	0
V	51	3	He	447.417	73.3403	374846.63	0.1638	0.04039
V	51	3	He	440.106	72.1426	368726.41	0.1638	0.04039
V	51	3	He	424.147	69.5279	363012.28	0.1638	0.04039
Cr	52	3	He	641.968	66.9274	666187.88	0.1041	0.08357
Cr	52	3	He	637.503	66.4625	650243.51	0.1041	0.08357
Cr	52	3	He	639.562	66.6768	649676.79	0.1041	0.08357
Mn	55	3	He	605.976	30.8437	307014.88	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	608.097	30.9516	302819.00	0.0509	0.00756
Mn	55	3	He	611.905	31.1454	303470.76	0.0509	0.00756
Fe	57	3	He	12044.781	49.8893	254987.05	0.0041	0.02373
Fe	57	3	He	11857.828	49.1153	251032.13	0.0041	0.02373
Fe	57	3	He	11547.29	47.8297	249723.39	0.0041	0.02373
Co	59	3	He	453.877	89.2642	888526.24	0.1966	0.009981
Co	59	3	He	455.31	89.546	876084.28	0.1966	0.009981
Co	59	3	He	452.189	88.9324	866527.49	0.1966	0.009981
Ni	60	3	He	752.407	32.4905	381937.96	0.0432	0.01878
Ni	60	3	He	695.746	30.0452	376529.37	0.0432	0.01878
Ni	60	3	He	770.217	33.2591	380499.76	0.0432	0.01878
Cu	63	3	He	509.011	62.1934	731106.55	0.1222	0.01194
Cu	63	3	He	471.888	57.6585	722581.71	0.1222	0.01194
Cu	63	3	He	517.301	63.2062	723108.11	0.1222	0.01194
Zn	66	3	He	600.857	9.5838	112660.95	0.0159	0.002839
Zn	66	3	He	545.654	8.7035	109073.60	0.0159	0.002839
Zn	66	3	He	589.005	9.3948	107480.72	0.0159	0.002839
As	75	3	He	497.554	6.5874	77437.80	0.0132	0.0009658
As	75	3	He	455.199	6.0267	75527.83	0.0132	0.0009658
As	75	3	He	498.892	6.6051	75565.95	0.0132	0.0009658
Sr	88	3	He	63.295	5.4728	54475.52	0.0864	0.005458
Sr	88	3	He	61.013	5.2757	51615.40	0.0864	0.005458
Sr	88	3	He	59.428	5.1387	50069.83	0.0864	0.005458
Mo	98	3	He	53.278	1.618	90782.48	0.0303	0.001942
Mo	98	3	He	54.666	1.6601	91326.44	0.0303	0.001942
Mo	98	3	He	53.161	1.6144	90581.23	0.0303	0.001942
Ag	107	3	He	44.493	15.5812	155093.71	0.3501	0.002425
Ag	107	3	He	45.427	15.9082	155639.69	0.3501	0.002425
Ag	107	3	He	44.751	15.6714	152697.26	0.3501	0.002425
Cd	111	3	He	45.924	2.0854	20757.44	0.0454	6.986E-05
Cd	111	3	He	45.907	2.0846	20394.91	0.0454	6.986E-05
Cd	111	3	He	46.865	2.1281	20735.44	0.0454	6.986E-05
Sn	120	3	He	92.418	2.6633	149429.30	0.0284	0.03615
Sn	120	3	He	93.946	2.7067	148903.70	0.0284	0.03615
Sn	120	3	He	91.38	2.6338	147772.19	0.0284	0.03615
Sb	121	3	He	93.488	2.4456	137215.75	0.0262	0.000803
Sb	121	3	He	93.972	2.4582	135233.88	0.0262	0.000803
Sb	121	3	He	90.867	2.377	133368.12	0.0262	0.000803
Ba	137	3	He	469.108	4.6105	258686.87	0.0098	0.0007342
Ba	137	3	He	464.517	4.5654	251158.43	0.0098	0.0007342
Ba	137	3	He	463.532	4.5557	255609.14	0.0098	0.0007342
Tl	205	3	He	96.124	18.6981	1049106.31	0.1945	0.002744
Tl	205	3	He	98.992	19.2559	1059324.83	0.1945	0.002744
Tl	205	3	He	98.647	19.1888	1076625.30	0.1945	0.002744
Pb	208	3	He	49.161	13.0406	390946.17	0.2651	0.006358
Pb	208	3	He	50.528	13.4032	394385.78	0.2651	0.006358
Pb	208	3	He	50.168	13.3077	397366.95	0.2651	0.006358
U	238	3	He	50.325	15.207	853228.82	0.3022	0.0005338
U	238	3	He	53.394	16.1344	887601.39	0.3022	0.0005338
U	238	3	He	52.383	15.829	888114.83	0.3022	0.0005338
Sc	45	1	No Gas			184434.41		
Sc	45	1	No Gas			185710.43		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			185417.54		
Ge	72	1	No Gas			120606.68		
Ge	72	1	No Gas			121341.77		
Ge	72	1	No Gas			123641.58		
Sc	45	2	H2			36246.21		
Sc	45	2	H2			36306.16		
Sc	45	2	H2			35765.07		
Ge	72	2	H2			27807.92		
Ge	72	2	H2			28579.24		
Ge	72	2	H2			28659.70		
In	115	2	H2			74449.51		
In	115	2	H2			72168.45		
In	115	2	H2			72941.88		
Sc	45	3	He			5111.06		
Sc	45	3	He			5111.08		
Sc	45	3	He			5221.10		
Ge	72	3	He			9953.89		
Ge	72	3	He			9783.62		
Ge	72	3	He			9743.67		
In	115	3	He			12546.05		
In	115	3	He			13306.68		
In	115	3	He			12225.88		
Tb	159	3	He			56107.73		
Tb	159	3	He			55013.11		
Tb	159	3	He			56106.97		
Bi	209	3	He			45710.37		
Bi	209	3	He			47377.03		
Bi	209	3	He			46493.40		

Quantitation Report

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Sample Type	Sample
Comment	E10
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

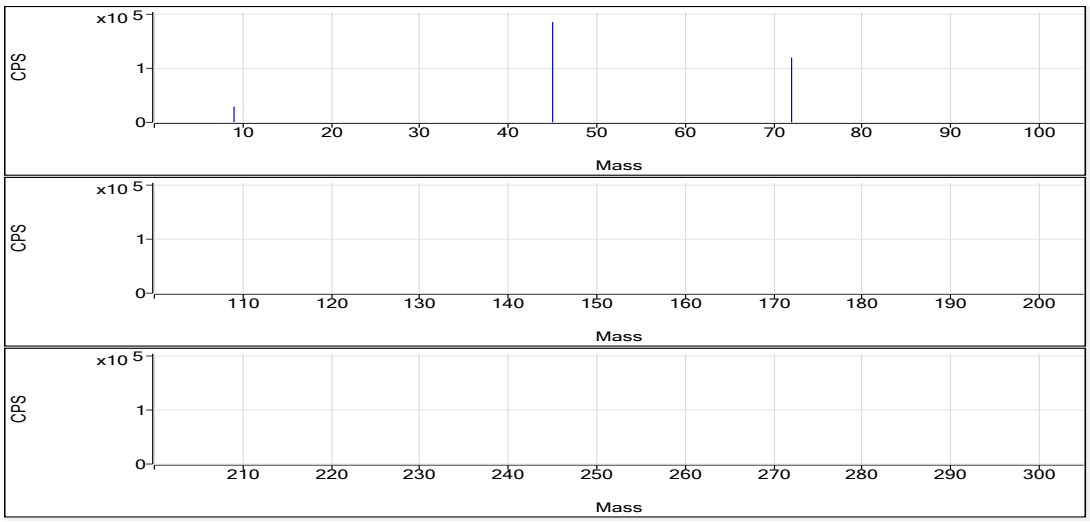
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	45.043	ppb	1.6	29066.85	0.1567	Pulse	0.5000	3
Se	78	72	H2	95.368	ppb	1.6	9749.56	0.3368	Pulse	1.5000	3
Na	23	45	He	245007.529	ppb	7.5	26739967.10	5 304.3002	Analog	0.1000	3
Mg	24	45	He	4648.090	ppb	7.7	255714.82	50.7304	Pulse	0.1000	3
Al	27	45	He	4424.986	ppb	7.3	82520.90	16.3676	Pulse	0.1000	3
K	39	45	He	9969.532	ppb	7.3	501877.09	99.5419	Pulse	0.1000	3
Ca	44	115	He	15414.539	ppb	3.0	42061.63	3.3808	Pulse	0.1000	3
Ti	47	72	He	533.393	ppb	2.2	10320.68	1.0870	Pulse	0.1000	3
V	51	45	He	441.723	ppb	7.6	364991.69	72.4075	Pulse	0.5000	3
Cr	52	72	He	658.693	ppb	1.7	651812.70	68.6688	Pulse	0.1000	3
Mn	55	72	He	626.690	ppb	3.1	302742.76	31.8978	Pulse	0.1000	3
Fe	57	45	He	11973.247	ppb	7.4	250017.39	49.5931	Pulse	0.1000	3
Co	59	72	He	461.500	ppb	2.2	861501.76	90.7632	Pulse	0.1000	3
Ni	60	115	He	697.733	ppb	2.6	374833.33	30.1309	Pulse	0.1000	3
Cu	63	115	He	469.739	ppb	1.7	714078.66	57.3960	Pulse	0.1000	3
Zn	66	115	He	544.226	ppb	2.6	107992.03	8.6808	Pulse	0.1000	3
As	75	115	He	455.518	ppb	2.7	75025.95	6.0310	Pulse	0.5000	3
Sr	88	72	He	63.008	ppb	4.3	51702.14	5.4480	Pulse	0.1000	3
Mo	98	159	He	53.729	ppb	2.6	91252.28	1.6317	Pulse	0.1000	3
Ag	107	72	He	45.929	ppb	2.0	152671.26	16.0841	Pulse	0.1000	3
Cd	111	72	He	47.644	ppb	2.1	20535.15	2.1635	Pulse	0.5000	3
Sn	120	159	He	92.083	ppb	2.7	148409.69	2.6537	Pulse	0.1000	3
Sb	121	159	He	92.377	ppb	2.3	135154.34	2.4165	Pulse	0.1000	3
Ba	137	159	He	459.304	ppb	1.9	252479.22	4.5142	Pulse	0.1000	3
Tl	205	159	He	96.119	ppb	1.9	1045798.01	18.6970	Pulse	0.1000	3
Pb	208	159	He	49.247	ppb	1.1	730739.61	13.0635	Pulse	0.1000	3
U	238	159	He	51.602	ppb	1.6	872294.21	15.5928	Pulse	0.1000	3

ISTD Table:

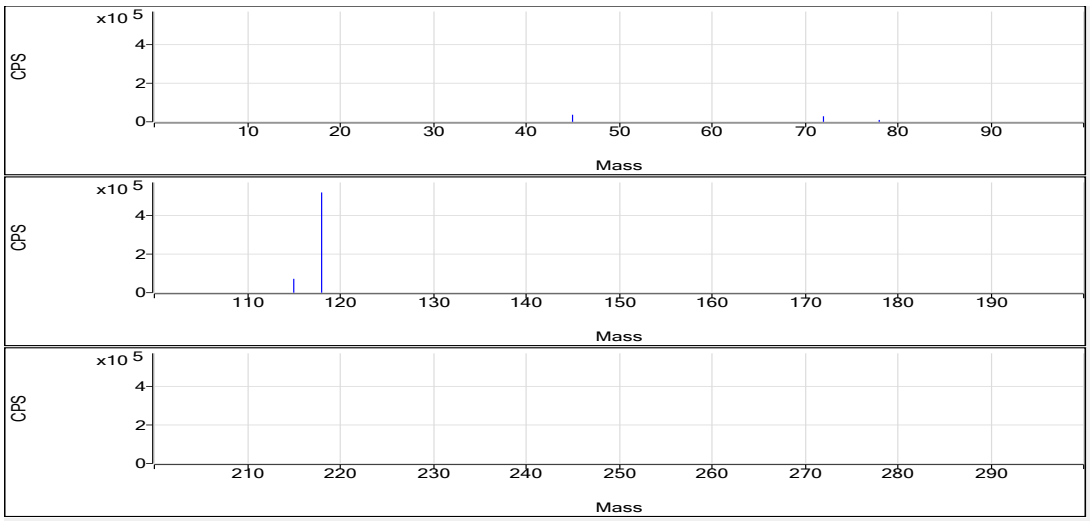
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	185506.11	1.3	101.2	Pulse	0.1000	3
No Gas	Ge	72	119910.26	1.1	107.1	Pulse	0.1000	3
H2	Sc	45	36851.07	2.7	108.7	Pulse	0.1000	3
H2	Ge	72	28953.31	1.4	111.9	Pulse	0.1000	3
H2	In	115	72419.31	1.5	113.3	Pulse	0.1000	3
He	Sc	45	5061.07	7.9	106.5	Pulse	0.1000	3
He	Ge	72	9493.50	1.3	97.6	Pulse	0.1000	3
He	In	115	12443.36	1.5	106.2	Pulse	0.1000	3
He	Tb	159	55942.94	1.8	112.1	Pulse	0.1000	3
He	Bi	209	47640.86	2.6	116.5	Pulse	0.1000	3

No Gas

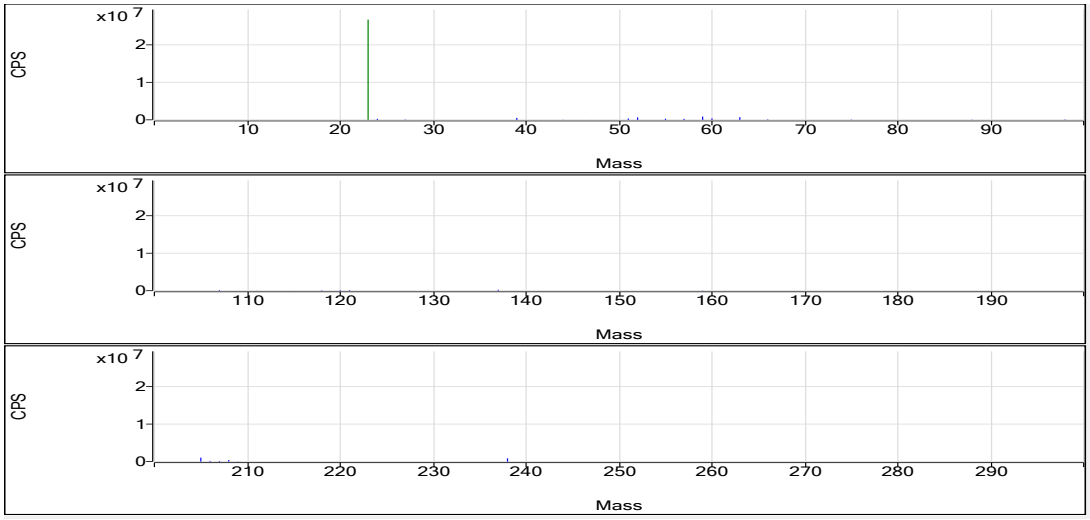


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	44.208	0.1538	28899.86	0.0035	0.0001638
Be	9	1	No Gas	45.565	0.1585	29416.86	0.0035	0.0001638
Be	9	1	No Gas	45.355	0.1578	28883.84	0.0035	0.0001638
Se	78	2	H2	97.086	0.3428	9767.35	0.0035	8.664E-05
Se	78	2	H2	94.397	0.3334	9730.66	0.0035	8.664E-05
Se	78	2	H2	94.623	0.3342	9750.66	0.0035	8.664E-05
Na	23	3	He	238012.008	5152.8734	27058459.60	0.0216	0.8064
Na	23	3	He	231224.221	5005.9433	26687534.60	0.0216	0.8064
Na	23	3	He	265786.36	5754.0839	26473907.11	0.0216	0.8064
Mg	24	3	He	4503.131	49.1516	258101.93	0.0109	0.1054
Mg	24	3	He	4386.686	47.8833	255274.18	0.0109	0.1054
Mg	24	3	He	5054.452	55.1564	253768.36	0.0109	0.1054
Al	27	3	He	4282.585	15.8412	83184.19	0.0037	0.009095
Al	27	3	He	4199.932	15.5356	82822.99	0.0037	0.009095
Al	27	3	He	4792.441	17.726	81555.52	0.0037	0.009095
K	39	3	He	9706.213	96.9478	509086.63	0.0099	1.328
K	39	3	He	9407.113	94.0013	501136.83	0.0099	1.328
K	39	3	He	10795.27	107.6765	495407.81	0.0099	1.328
Ca	44	3	He	15861.438	3.4787	42593.14	0.0002	0.004867
Ca	44	3	He	15434.055	3.3851	42703.19	0.0002	0.004867
Ca	44	3	He	14948.125	3.2787	40888.55	0.0002	0.004867
Ti	47	3	He	525.344	1.0706	10013.74	0.002	0
Ti	47	3	He	547.174	1.1151	10664.27	0.002	0
Ti	47	3	He	527.661	1.0753	10284.03	0.002	0
V	51	3	He	429.033	70.3285	369304.72	0.1638	0.04039
V	51	3	He	416.231	68.2311	363751.53	0.1638	0.04039
V	51	3	He	479.905	78.6628	361918.81	0.1638	0.04039
Cr	52	3	He	671.722	70.0255	654971.40	0.1041	0.08357
Cr	52	3	He	651.84	67.9553	649894.44	0.1041	0.08357
Cr	52	3	He	652.517	68.0257	650572.26	0.1041	0.08357
Mn	55	3	He	648.863	33.0261	308903.75	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	615.225	31.3144	299476.79	0.0509	0.00756
Mn	55	3	He	615.984	31.353	299847.73	0.0509	0.00756
Fe	57	3	He	11639.617	48.2119	253167.36	0.0041	0.02373
Fe	57	3	He	11301.186	46.8108	249556.21	0.0041	0.02373
Fe	57	3	He	12978.937	53.7567	247328.59	0.0041	0.02373
Co	59	3	He	473.041	93.0327	870165.77	0.1966	0.009981
Co	59	3	He	456.268	89.7344	858180.69	0.1966	0.009981
Co	59	3	He	455.19	89.5225	856158.82	0.1966	0.009981
Ni	60	3	He	717.849	30.9991	379552.22	0.0432	0.01878
Ni	60	3	He	682.617	29.4786	371873.78	0.0432	0.01878
Ni	60	3	He	692.734	29.9152	373073.98	0.0432	0.01878
Cu	63	3	He	478.892	58.5141	716445.69	0.1222	0.01194
Cu	63	3	He	463.638	56.6506	714649.83	0.1222	0.01194
Cu	63	3	He	466.688	57.0233	711140.46	0.1222	0.01194
Zn	66	3	He	560.561	8.9412	109476.30	0.0159	0.002839
Zn	66	3	He	536.058	8.5505	107865.38	0.0159	0.002839
Zn	66	3	He	536.059	8.5505	106634.41	0.0159	0.002839
As	75	3	He	469.1	6.2108	76044.57	0.0132	0.0009658
As	75	3	He	445.993	5.9049	74490.43	0.0132	0.0009658
As	75	3	He	451.461	5.9773	74542.85	0.0132	0.0009658
Sr	88	3	He	66.084	5.7137	53441.86	0.0864	0.005458
Sr	88	3	He	61.799	5.3436	51103.52	0.0864	0.005458
Sr	88	3	He	61.142	5.2868	50561.04	0.0864	0.005458
Mo	98	3	He	55.223	1.677	92070.70	0.0303	0.001942
Mo	98	3	He	52.493	1.5942	90773.43	0.0303	0.001942
Mo	98	3	He	53.471	1.6238	90912.70	0.0303	0.001942
Ag	107	3	He	46.89	16.4207	153587.78	0.3501	0.002425
Ag	107	3	He	45.859	16.0597	153587.97	0.3501	0.002425
Ag	107	3	He	45.038	15.7721	150838.03	0.3501	0.002425
Cd	111	3	He	48.779	2.215	20717.43	0.0454	6.986E-05
Cd	111	3	He	46.812	2.1257	20328.88	0.0454	6.986E-05
Cd	111	3	He	47.342	2.1497	20559.15	0.0454	6.986E-05
Sn	120	3	He	94.664	2.7271	149723.53	0.0284	0.03615
Sn	120	3	He	89.768	2.5879	147358.33	0.0284	0.03615
Sn	120	3	He	91.816	2.6462	148147.20	0.0284	0.03615
Sb	121	3	He	94.866	2.4816	136245.33	0.0262	0.000803
Sb	121	3	He	91.38	2.3904	136112.78	0.0262	0.000803
Sb	121	3	He	90.884	2.3775	133104.91	0.0262	0.000803
Ba	137	3	He	467.842	4.5981	252445.56	0.0098	0.0007342
Ba	137	3	He	450.411	4.4268	252065.66	0.0098	0.0007342
Ba	137	3	He	459.658	4.5177	252926.44	0.0098	0.0007342
Tl	205	3	He	96.732	18.8163	1033057.72	0.1945	0.002744
Tl	205	3	He	94.077	18.2999	1042006.63	0.1945	0.002744
Tl	205	3	He	97.548	18.975	1062329.67	0.1945	0.002744
Pb	208	3	He	49.441	13.115	384194.76	0.2651	0.006358
Pb	208	3	He	48.61	12.8947	390004.68	0.2651	0.006358
Pb	208	3	He	49.69	13.1808	396032.69	0.2651	0.006358
U	238	3	He	51.247	15.4856	850194.13	0.3022	0.0005338
U	238	3	He	51.036	15.4219	878136.63	0.3022	0.0005338
U	238	3	He	52.522	15.871	888551.86	0.3022	0.0005338
Sc	45	1	No Gas			187898.59		
Sc	45	1	No Gas			185569.39		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			183050.35		
Ge	72	1	No Gas			120858.09		
Ge	72	1	No Gas			118428.38		
Ge	72	1	No Gas			120444.30		
Sc	45	2	H2			35935.25		
Sc	45	2	H2			36707.37		
Sc	45	2	H2			37910.60		
Ge	72	2	H2			28489.09		
Ge	72	2	H2			29190.42		
Ge	72	2	H2			29180.42		
In	115	2	H2			72319.10		
In	115	2	H2			71403.72		
In	115	2	H2			73535.11		
Sc	45	3	He			5251.14		
Sc	45	3	He			5331.17		
Sc	45	3	He			4600.89		
Ge	72	3	He			9353.33		
Ge	72	3	He			9563.56		
Ge	72	3	He			9563.62		
In	115	3	He			13026.65		
In	115	3	He			13406.91		
In	115	3	He			13256.71		
Tb	159	3	He			54902.21		
Tb	159	3	He			56940.71		
Tb	159	3	He			55985.90		
Bi	209	3	He			46232.35		
Bi	209	3	He			48480.96		
Bi	209	3	He			48209.26		

Quantitation Report

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Sample Type	Sample
Comment	E10
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

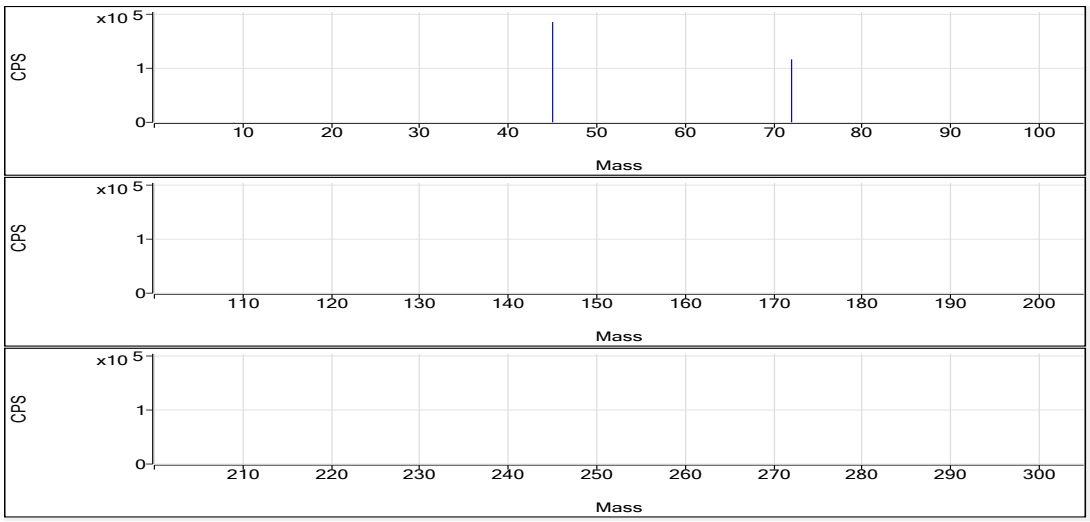
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.686	ppb	9.1	470.68	0.0025	Pulse	0.5000	3
Se	78	72	H2	0.551	ppb	9.5	57.56	0.0020	Pulse	1.5000	3
Na	23	45	He	248308.018	ppb	4.8	25512509.62	5 375.7434	Analog	0.1000	3
Mg	24	45	He	3369.515	ppb	4.8	174670.58	36.8047	Pulse	0.1000	3
Al	27	45	He	1783.105	ppb	7.9	31300.87	6.6010	Pulse	0.1000	3
K	39	45	He	1570.808	ppb	7.4	79697.44	16.8031	Pulse	0.1000	3
Ca	44	115	He	5844.971	ppb	2.5	15231.74	1.2850	Pulse	0.1000	3
Ti	47	72	He	15.709	ppb	7.3	316.69	0.0320	Pulse	0.1000	3
V	51	45	He	2.238	ppb	7.4	1932.81	0.4070	Pulse	0.5000	3
Cr	52	72	He	1.192	ppb	12.9	2056.89	0.2077	Pulse	0.1000	3
Mn	55	72	He	174.840	ppb	6.9	88108.27	8.9046	Pulse	0.1000	3
Fe	57	45	He	1991.122	ppb	5.4	39227.44	8.2670	Pulse	0.1000	3
Co	59	72	He	3.816	ppb	1.1	7542.22	0.7604	Pulse	0.1000	3
Ni	60	115	He	28.855	ppb	3.1	14981.60	1.2641	Pulse	0.1000	3
Cu	63	115	He	12.211	ppb	1.6	17824.93	1.5037	Pulse	0.1000	3
Zn	66	115	He	8.834	ppb	5.3	1703.50	0.1437	Pulse	0.1000	3
As	75	115	He	5.054	ppb	1.4	804.70	0.0679	Pulse	0.5000	3
Sr	88	72	He	113.658	ppb	5.6	97237.24	9.8230	Pulse	0.1000	3
Mo	98	159	He	3.988	ppb	6.5	7098.70	0.1229	Pulse	0.1000	3
Ag	107	72	He	0.022	ppb	46.9	100.00	0.0102	Pulse	0.1000	3
Cd	111	72	He	0.016	ppb	22.2	8.00	0.0008	Pulse	0.5000	3
Sn	120	159	He	0.767	ppb	12.0	3347.20	0.0579	Pulse	0.1000	3
Sb	121	159	He	1.512	ppb	7.9	2330.27	0.0404	Pulse	0.1000	3
Ba	137	159	He	101.699	ppb	2.6	57762.38	1.0001	Pulse	0.1000	3
Tl	205	159	He	0.056	ppb	19.4	790.06	0.0137	Pulse	0.1000	3
Pb	208	159	He	0.045	ppb	22.6	1063.39	0.0184	Pulse	0.1000	3
U	238	159	He	0.953	ppb	6.1	16657.92	0.2884	Pulse	0.1000	3

ISTD Table:

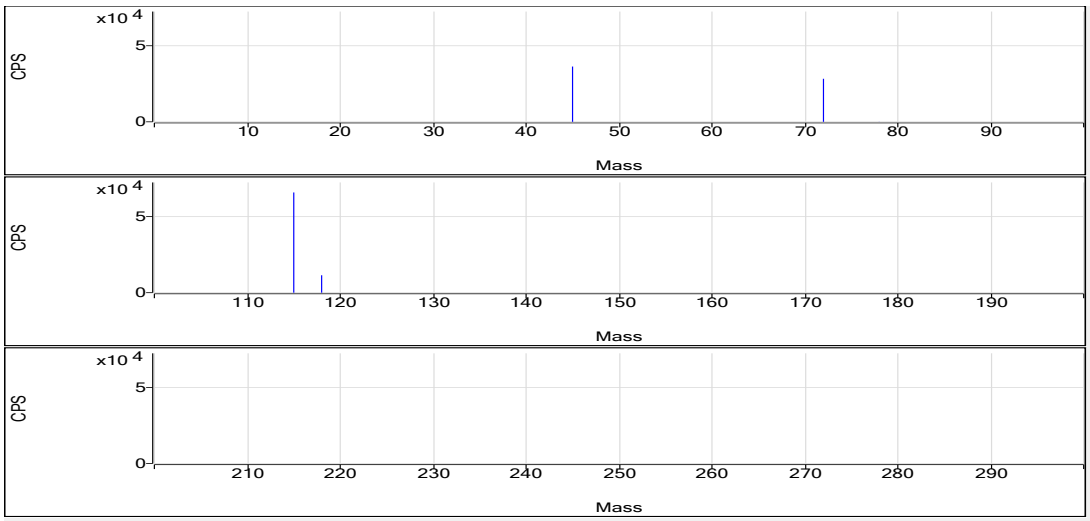
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	184700.24	1.1	100.8	Pulse	0.1000	3
No Gas	Ge	72	115964.35	0.9	103.6	Pulse	0.1000	3
H2	Sc	45	36393.02	0.4	107.3	Pulse	0.1000	3
H2	Ge	72	28335.46	1.6	109.6	Pulse	0.1000	3
H2	In	115	65987.50	1.2	103.2	Pulse	0.1000	3
He	Sc	45	4754.27	5.5	100.0	Pulse	0.1000	3
He	Ge	72	9920.45	5.9	102.0	Pulse	0.1000	3
He	In	115	11855.44	1.5	101.2	Pulse	0.1000	3
He	Tb	159	57767.67	1.2	115.8	Pulse	0.1000	3
He	Bi	209	46105.71	3.6	112.8	Pulse	0.1000	3

No Gas

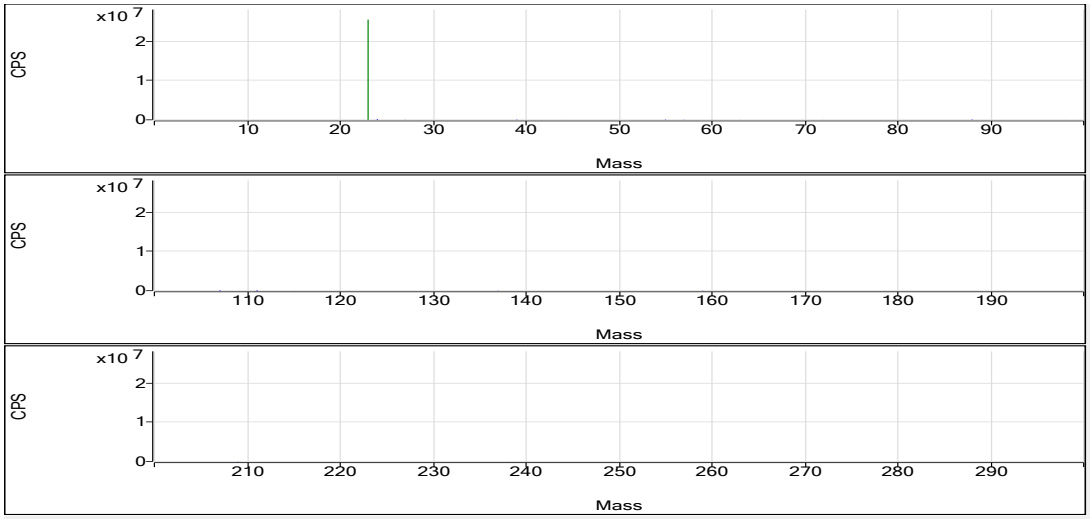


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.615	0.0023	428.01	0.0035	0.0001638
Be	9	1	No Gas	0.732	0.0027	494.01	0.0035	0.0001638
Be	9	1	No Gas	0.712	0.0026	490.01	0.0035	0.0001638
Se	78	2	H2	0.51	0.0019	54.00	0.0035	8.664E-05
Se	78	2	H2	0.532	0.002	54.67	0.0035	8.664E-05
Se	78	2	H2	0.61	0.0022	64.00	0.0035	8.664E-05
Na	23	3	He	241727.64	5233.3029	25596032.12	0.0216	0.8064
Na	23	3	He	262054.734	5673.3082	25250987.12	0.0216	0.8064
Na	23	3	He	241141.679	5220.619	25690509.62	0.0216	0.8064
Mg	24	3	He	3303.329	36.0839	176485.84	0.0109	0.1054
Mg	24	3	He	3554.75	38.8222	172791.56	0.0109	0.1054
Mg	24	3	He	3250.467	35.5081	174734.35	0.0109	0.1054
Al	27	3	He	1783.145	6.6011	32285.99	0.0037	0.009095
Al	27	3	He	1924.431	7.1234	31705.24	0.0037	0.009095
Al	27	3	He	1641.738	6.0784	29911.39	0.0037	0.009095
K	39	3	He	1555.934	16.6565	81466.91	0.0099	1.328
K	39	3	He	1694.022	18.0169	80190.24	0.0099	1.328
K	39	3	He	1462.468	15.7358	77435.17	0.0099	1.328
Ca	44	3	He	5871.128	1.2907	15488.78	0.0002	0.004867
Ca	44	3	He	5685.747	1.2501	14887.98	0.0002	0.004867
Ca	44	3	He	5978.037	1.3141	15318.46	0.0002	0.004867
Ti	47	3	He	14.792	0.0301	310.02	0.002	0
Ti	47	3	He	15.344	0.0313	320.02	0.002	0
Ti	47	3	He	16.989	0.0346	320.02	0.002	0
V	51	3	He	2.355	0.4261	2084.17	0.1638	0.04039
V	51	3	He	2.31	0.4188	1864.13	0.1638	0.04039
V	51	3	He	2.048	0.376	1850.13	0.1638	0.04039
Cr	52	3	He	1.252	0.2139	2200.25	0.1041	0.08357
Cr	52	3	He	1.018	0.1896	1940.20	0.1041	0.08357
Cr	52	3	He	1.307	0.2196	2030.23	0.1041	0.08357
Mn	55	3	He	171.002	8.7093	89566.98	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	165.215	8.4148	86117.16	0.0509	0.00756
Mn	55	3	He	188.304	9.5898	88640.66	0.0509	0.00756
Fe	57	3	He	1916.536	7.9582	38923.53	0.0041	0.02373
Fe	57	3	He	2113.141	8.7722	39043.46	0.0041	0.02373
Fe	57	3	He	1943.691	8.0706	39715.33	0.0041	0.02373
Co	59	3	He	3.768	0.7509	7722.28	0.1966	0.009981
Co	59	3	He	3.851	0.7673	7852.39	0.1966	0.009981
Co	59	3	He	3.829	0.7629	7051.99	0.1966	0.009981
Ni	60	3	He	28.313	1.2407	14888.22	0.0432	0.01878
Ni	60	3	He	28.356	1.2426	14798.09	0.0432	0.01878
Ni	60	3	He	29.895	1.309	15258.48	0.0432	0.01878
Cu	63	3	He	11.984	1.4759	17711.58	0.1222	0.01194
Cu	63	3	He	12.331	1.5183	18081.86	0.1222	0.01194
Cu	63	3	He	12.319	1.5168	17681.34	0.1222	0.01194
Zn	66	3	He	9.178	0.1492	1790.19	0.0159	0.002839
Zn	66	3	He	8.301	0.1352	1610.16	0.0159	0.002839
Zn	66	3	He	9.023	0.1467	1710.15	0.0159	0.002839
As	75	3	He	5.127	0.0688	826.03	0.0132	0.0009658
As	75	3	He	4.989	0.067	798.03	0.0132	0.0009658
As	75	3	He	5.047	0.0678	790.03	0.0132	0.0009658
Sr	88	3	He	110.891	9.584	98562.53	0.0864	0.005458
Sr	88	3	He	109.156	9.4342	96549.62	0.0864	0.005458
Sr	88	3	He	120.926	10.4508	96599.56	0.0864	0.005458
Mo	98	3	He	3.87	0.1193	6841.92	0.0303	0.001942
Mo	98	3	He	3.811	0.1175	6881.85	0.0303	0.001942
Mo	98	3	He	4.284	0.1319	7572.32	0.0303	0.001942
Ag	107	3	He	0.013	0.0068	70.00	0.3501	0.002425
Ag	107	3	He	0.021	0.0098	100.00	0.3501	0.002425
Ag	107	3	He	0.033	0.0141	130.01	0.3501	0.002425
Cd	111	3	He	0.02	0.001	10.00	0.0454	6.986E-05
Cd	111	3	He	0.016	0.0008	8.00	0.0454	6.986E-05
Cd	111	3	He	0.013	0.0006	6.00	0.0454	6.986E-05
Sn	120	3	He	0.686	0.0556	3190.49	0.0284	0.03615
Sn	120	3	He	0.748	0.0574	3360.53	0.0284	0.03615
Sn	120	3	He	0.867	0.0608	3490.59	0.0284	0.03615
Sb	121	3	He	1.463	0.0391	2240.26	0.0262	0.000803
Sb	121	3	He	1.426	0.0381	2230.24	0.0262	0.000803
Sb	121	3	He	1.648	0.0439	2520.31	0.0262	0.000803
Ba	137	3	He	102.523	1.0082	57812.69	0.0098	0.0007342
Ba	137	3	He	98.717	0.9708	56838.28	0.0098	0.0007342
Ba	137	3	He	103.857	1.0213	58636.18	0.0098	0.0007342
Tl	205	3	He	0.055	0.0134	770.06	0.1945	0.002744
Tl	205	3	He	0.068	0.0159	930.07	0.1945	0.002744
Tl	205	3	He	0.046	0.0117	670.04	0.1945	0.002744
Pb	208	3	He	0.057	0.0215	650.03	0.2651	0.006358
Pb	208	3	He	0.042	0.0176	540.03	0.2651	0.006358
Pb	208	3	He	0.037	0.0162	550.03	0.2651	0.006358
U	238	3	He	0.921	0.2789	15990.43	0.3022	0.0005338
U	238	3	He	0.917	0.2777	16260.56	0.3022	0.0005338
U	238	3	He	1.02	0.3087	17722.78	0.3022	0.0005338
Sc	45	1	No Gas			185985.70		
Sc	45	1	No Gas			182340.39		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			185774.63		
Ge	72	1	No Gas			116824.38		
Ge	72	1	No Gas			114727.71		
Ge	72	1	No Gas			116340.96		
Sc	45	2	H2			36216.23		
Sc	45	2	H2			36486.50		
Sc	45	2	H2			36476.32		
Ge	72	2	H2			28599.33		
Ge	72	2	H2			27827.86		
Ge	72	2	H2			28579.20		
In	115	2	H2			65354.49		
In	115	2	H2			66831.94		
In	115	2	H2			65776.06		
Sc	45	3	He			4890.99		
Sc	45	3	He			4450.84		
Sc	45	3	He			4920.97		
Ge	72	3	He			10284.05		
Ge	72	3	He			10234.02		
Ge	72	3	He			9243.27		
In	115	3	He			12015.65		
In	115	3	He			11925.57		
In	115	3	He			11675.27		
Tb	159	3	He			57342.44		
Tb	159	3	He			58547.79		
Tb	159	3	He			57412.78		
Bi	209	3	He			44215.95		
Bi	209	3	He			47005.57		
Bi	209	3	He			47095.60		

Quantitation Report

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Acq Time	6/12/2025 8:14:55 PM
Sample Name	410-224976-D-1-G
Sample Type	Sample
Comment	E10
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

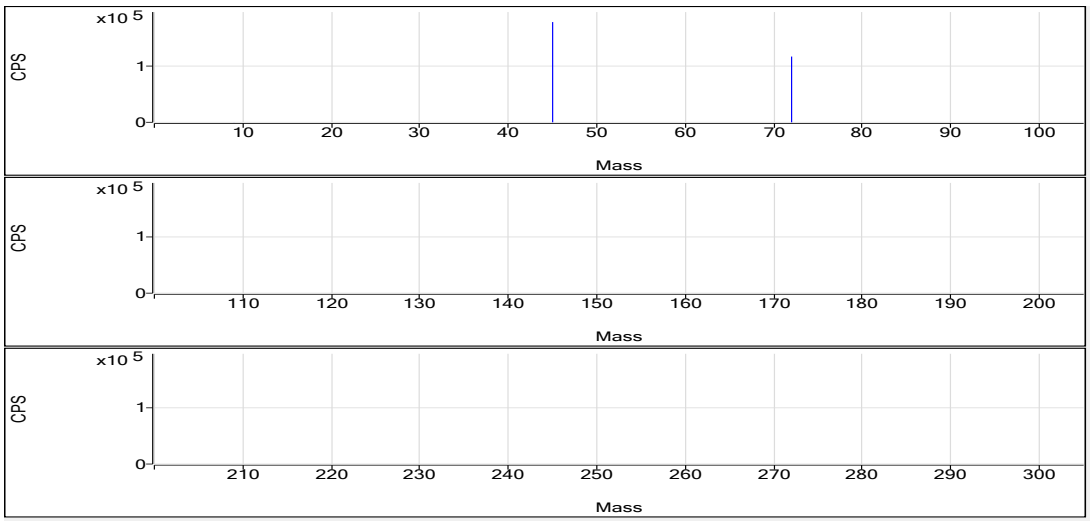
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.100	ppb	15.1	91.33	0.0005	Pulse	0.5000	3
Se	78	72	H2	0.173	ppb	14.7	20.00	0.0007	Pulse	1.5000	3
Na	23	45	He	260184.199	ppb	3.4	25649787.95	5 632.8182	Analog	0.1000	3
Mg	24	45	He	209.187	ppb	2.5	10857.64	2.3838	Pulse	0.1000	3
Al	27	45	He	492.713	ppb	4.1	8335.97	1.8306	Pulse	0.1000	3
K	39	45	He	105.472	ppb	11.2	10780.92	2.3675	Pulse	0.1000	3
Ca	44	115	He	1535.089	ppb	4.5	3937.32	0.3411	Pulse	0.1000	3
Ti	47	72	He	17.205	ppb	20.7	343.35	0.0351	Pulse	0.1000	3
V	51	45	He	1.863	ppb	2.2	1574.09	0.3456	Pulse	0.5000	3
Cr	52	72	He	15.388	ppb	1.1	16526.55	1.6858	Pulse	0.1000	3
Mn	55	72	He	75.133	ppb	2.3	37552.86	3.8309	Pulse	0.1000	3
Fe	57	45	He	3707.296	ppb	1.8	70027.36	15.3720	Pulse	0.1000	3
Co	59	72	He	1.980	ppb	2.6	3914.00	0.3993	Pulse	0.1000	3
Ni	60	115	He	1401.972	ppb	3.4	698837.33	60.5239	Pulse	0.1000	3
Cu	63	115	He	5.882	ppb	4.2	8436.10	0.7305	Pulse	0.1000	3
Zn	66	115	He	119.448	ppb	4.2	22020.85	1.9075	Pulse	0.1000	3
As	75	115	He	0.725	ppb	5.0	122.00	0.0106	Pulse	0.5000	3
Sr	88	72	He	8.976	ppb	3.9	7655.68	0.7808	Pulse	0.1000	3
Mo	98	159	He	49.036	ppb	2.5	84051.31	1.4893	Pulse	0.1000	3
Ag	107	72	He	0.011	ppb	54.5	60.00	0.0061	Pulse	0.1000	3
Cd	111	72	He	0.055	ppb	46.3	25.33	0.0026	Pulse	0.5000	3
Sn	120	159	He	0.525	ppb	26.7	2883.74	0.0511	Pulse	0.1000	3
Sb	121	159	He	0.895	ppb	6.6	1366.79	0.0242	Pulse	0.1000	3
Ba	137	159	He	65.324	ppb	1.9	36275.75	0.6427	Pulse	0.1000	3
Tl	205	159	He	0.034	ppb	2.5	533.37	0.0094	Pulse	0.1000	3
Pb	208	159	He	1.413	ppb	2.7	21507.78	0.3809	Pulse	0.1000	3
U	238	159	He	0.179	ppb	6.3	3083.83	0.0546	Pulse	0.1000	3

ISTD Table:

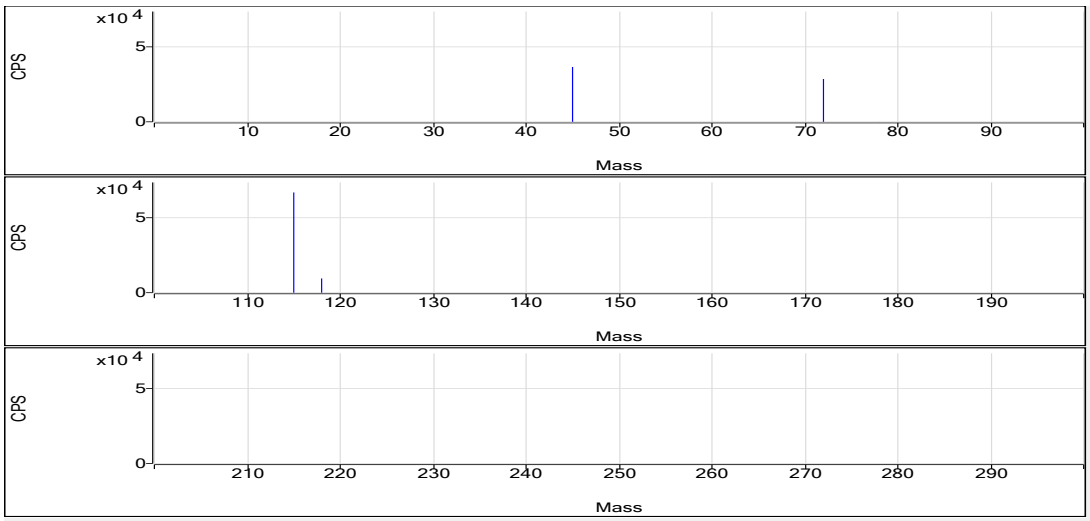
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	178983.04	0.9	97.7	Pulse	0.1000	3
No Gas	Ge	72	117389.06	1.0	104.8	Pulse	0.1000	3
H2	Sc	45	36677.21	2.9	108.1	Pulse	0.1000	3
H2	Ge	72	28666.12	1.3	110.8	Pulse	0.1000	3
H2	In	115	67099.74	1.0	105.0	Pulse	0.1000	3
He	Sc	45	4557.55	3.8	95.9	Pulse	0.1000	3
He	Ge	72	9803.72	0.9	100.8	Pulse	0.1000	3
He	In	115	11556.86	4.0	98.7	Pulse	0.1000	3
He	Tb	159	56448.73	1.4	113.1	Pulse	0.1000	3
He	Bi	209	47058.71	3.2	115.1	Pulse	0.1000	3

No Gas

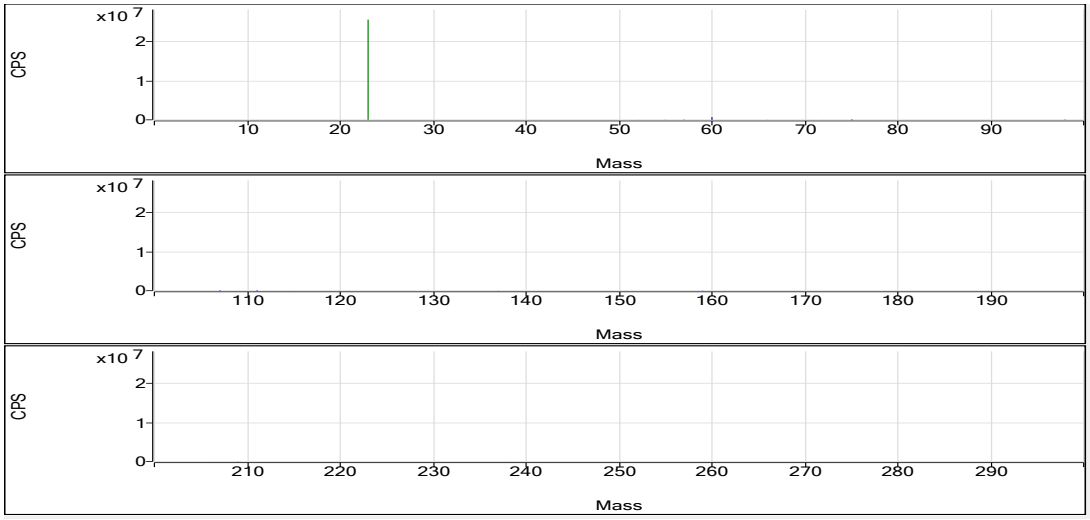


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.085	0.0005	82.00	0.0035	0.0001638
Be	9	1	No Gas	0.115	0.0006	102.00	0.0035	0.0001638
Be	9	1	No Gas	0.099	0.0005	90.00	0.0035	0.0001638
Se	78	2	H2	0.182	0.0007	20.67	0.0035	8.664E-05
Se	78	2	H2	0.144	0.0006	17.33	0.0035	8.664E-05
Se	78	2	H2	0.193	0.0008	22.00	0.0035	8.664E-05
Na	23	3	He	257025.667	5564.4478	25545934.62	0.0216	0.8064
Na	23	3	He	253231.103	5482.3097	25826832.12	0.0216	0.8064
Na	23	3	He	270295.828	5851.697	25576597.12	0.0216	0.8064
Mg	24	3	He	208.402	2.3752	10904.44	0.0109	0.1054
Mg	24	3	He	204.403	2.3317	10984.35	0.0109	0.1054
Mg	24	3	He	214.756	2.4444	10684.12	0.0109	0.1054
Al	27	3	He	476.714	1.7714	8132.51	0.0037	0.009095
Al	27	3	He	486.339	1.807	8512.75	0.0037	0.009095
Al	27	3	He	515.088	1.9133	8362.64	0.0037	0.009095
K	39	3	He	113.776	2.4493	11244.59	0.0099	1.328
K	39	3	He	91.917	2.234	10524.10	0.0099	1.328
K	39	3	He	110.724	2.4193	10574.06	0.0099	1.328
Ca	44	3	He	1511.592	0.3359	3990.67	0.0002	0.004867
Ca	44	3	He	1480.592	0.3291	3870.66	0.0002	0.004867
Ca	44	3	He	1613.082	0.3582	3950.64	0.0002	0.004867
Ti	47	3	He	21.24	0.0433	420.02	0.002	0
Ti	47	3	He	15.888	0.0324	320.02	0.002	0
Ti	47	3	He	14.486	0.0295	290.01	0.002	0
V	51	3	He	1.862	0.3455	1586.10	0.1638	0.04039
V	51	3	He	1.822	0.3388	1596.09	0.1638	0.04039
V	51	3	He	1.904	0.3524	1540.09	0.1638	0.04039
Cr	52	3	He	15.469	1.6942	16439.84	0.1041	0.08357
Cr	52	3	He	15.191	1.6653	16459.77	0.1041	0.08357
Cr	52	3	He	15.504	1.6979	16680.05	0.1041	0.08357
Mn	55	3	He	76.931	3.9223	38060.71	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	75.008	3.8245	37800.04	0.0509	0.00756
Mn	55	3	He	73.462	3.7458	36797.82	0.0509	0.00756
Fe	57	3	He	3683.585	15.2738	70120.87	0.0041	0.02373
Fe	57	3	He	3656.083	15.16	71417.64	0.0041	0.02373
Fe	57	3	He	3782.219	15.6822	68543.58	0.0041	0.02373
Co	59	3	He	2.02	0.4071	3950.68	0.1966	0.009981
Co	59	3	He	1.997	0.4027	3980.69	0.1966	0.009981
Co	59	3	He	1.922	0.3879	3810.63	0.1966	0.009981
Ni	60	3	He	1367.419	59.0327	701292.26	0.0432	0.01878
Ni	60	3	He	1382.308	59.6752	701790.30	0.0432	0.01878
Ni	60	3	He	1456.188	62.8637	693429.44	0.0432	0.01878
Cu	63	3	He	5.603	0.6964	8272.60	0.1222	0.01194
Cu	63	3	He	5.988	0.7434	8742.97	0.1222	0.01194
Cu	63	3	He	6.056	0.7518	8292.72	0.1222	0.01194
Zn	66	3	He	117.323	1.8736	22257.93	0.0159	0.002839
Zn	66	3	He	115.793	1.8492	21747.04	0.0159	0.002839
Zn	66	3	He	125.228	1.9997	22057.59	0.0159	0.002839
As	75	3	He	0.69	0.0101	120.00	0.0132	0.0009658
As	75	3	He	0.724	0.0105	124.00	0.0132	0.0009658
As	75	3	He	0.763	0.0111	122.00	0.0132	0.0009658
Sr	88	3	He	8.792	0.7649	7422.19	0.0864	0.005458
Sr	88	3	He	9.381	0.8157	8062.59	0.0864	0.005458
Sr	88	3	He	8.754	0.7616	7482.26	0.0864	0.005458
Mo	98	3	He	49.759	1.5112	84443.06	0.0303	0.001942
Mo	98	3	He	49.74	1.5107	84805.49	0.0303	0.001942
Mo	98	3	He	47.609	1.446	82905.38	0.0303	0.001942
Ag	107	3	He	0.005	0.0041	40.00	0.3501	0.002425
Ag	107	3	He	0.01	0.0061	60.00	0.3501	0.002425
Ag	107	3	He	0.016	0.0081	80.00	0.3501	0.002425
Cd	111	3	He	0.026	0.0012	12.00	0.0454	6.986E-05
Cd	111	3	He	0.07	0.0032	32.00	0.0454	6.986E-05
Cd	111	3	He	0.07	0.0033	32.00	0.0454	6.986E-05
Sn	120	3	He	0.372	0.0467	2610.35	0.0284	0.03615
Sn	120	3	He	0.646	0.0545	3060.45	0.0284	0.03615
Sn	120	3	He	0.557	0.052	2980.43	0.0284	0.03615
Sb	121	3	He	0.962	0.026	1450.13	0.0262	0.000803
Sb	121	3	He	0.848	0.023	1290.13	0.0262	0.000803
Sb	121	3	He	0.876	0.0237	1360.12	0.0262	0.000803
Ba	137	3	He	66.618	0.6554	36619.82	0.0098	0.0007342
Ba	137	3	He	64.164	0.6313	35437.05	0.0098	0.0007342
Ba	137	3	He	65.192	0.6414	36770.37	0.0098	0.0007342
Tl	205	3	He	0.035	0.0095	530.03	0.1945	0.002744
Tl	205	3	He	0.034	0.0093	520.03	0.1945	0.002744
Tl	205	3	He	0.035	0.0096	550.04	0.1945	0.002744
Pb	208	3	He	1.403	0.3785	11135.14	0.2651	0.006358
Pb	208	3	He	1.381	0.3724	11365.40	0.2651	0.006358
Pb	208	3	He	1.454	0.3919	11865.82	0.2651	0.006358
U	238	3	He	0.17	0.0519	2900.44	0.3022	0.0005338
U	238	3	He	0.192	0.0584	3280.57	0.3022	0.0005338
U	238	3	He	0.175	0.0536	3070.48	0.3022	0.0005338
Sc	45	1	No Gas			178423.08		
Sc	45	1	No Gas			180802.48		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			177723.55		
Ge	72	1	No Gas			116280.56		
Ge	72	1	No Gas			117368.27		
Ge	72	1	No Gas			118518.35		
Sc	45	2	H2			36727.08		
Sc	45	2	H2			35574.72		
Sc	45	2	H2			37729.82		
Ge	72	2	H2			28308.78		
Ge	72	2	H2			29040.12		
Ge	72	2	H2			28649.45		
In	115	2	H2			67755.92		
In	115	2	H2			66379.79		
In	115	2	H2			67163.51		
Sc	45	3	He			4590.92		
Sc	45	3	He			4710.94		
Sc	45	3	He			4370.80		
Ge	72	3	He			9703.61		
Ge	72	3	He			9883.78		
Ge	72	3	He			9823.76		
In	115	3	He			11895.41		
In	115	3	He			11775.37		
In	115	3	He			11044.80		
Tb	159	3	He			55876.72		
Tb	159	3	He			56137.12		
Tb	159	3	He			57332.34		
Bi	209	3	He			45851.15		
Bi	209	3	He			46593.49		
Bi	209	3	He			48731.49		

Quantitation Report

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Sample Type	Sample
Comment	E10
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

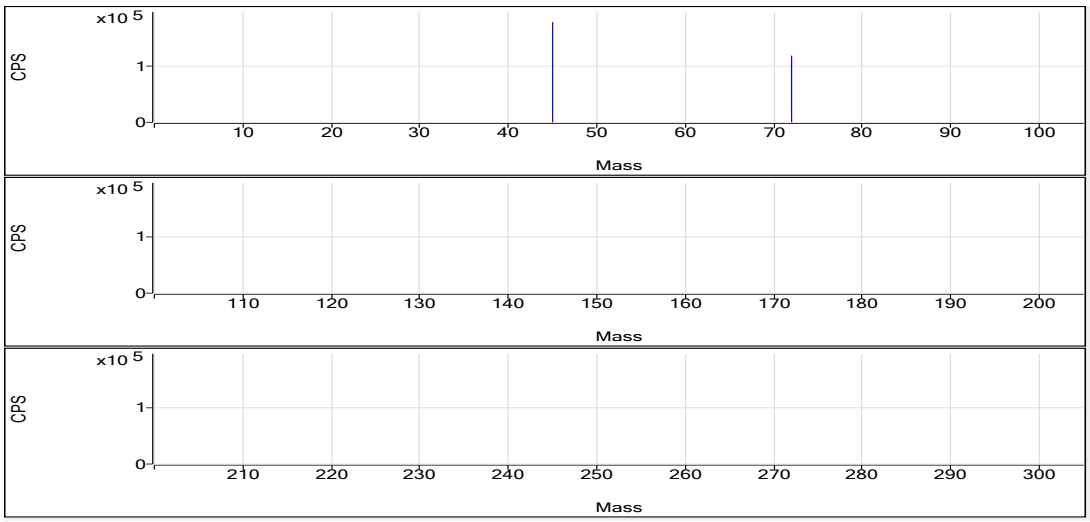
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.047	ppb	69.2	58.00	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.079	ppb	40.9	10.45	0.0004	Pulse	1.5000	3
Na	23	45	He	257954.337	ppb	7.0	26207484.61	5 584.5500	Analog	0.1000	3
Mg	24	45	He	2.636	ppb	30.9	630.03	0.1341	Pulse	0.1000	3
Al	27	45	He	3.896	ppb	42.1	110.01	0.0235	Pulse	0.1000	3
K	39	45	He	13.151	ppb	144.2	6828.49	1.4580	Pulse	0.1000	3
Ca	44	115	He	7.657	ppb	163.4	76.67	0.0065	Pulse	0.1000	3
Ti	47	72	He	0.174	ppb	173.2	3.33	0.0004	Pulse	0.1000	3
V	51	45	He	0.174	ppb	5.4	324.01	0.0689	Pulse	0.5000	3
Cr	52	72	He	-0.017	ppb	N/A	790.04	0.0818	Pulse	0.1000	3
Mn	55	72	He	0.569	ppb	39.8	353.35	0.0365	Pulse	0.1000	3
Fe	57	45	He	4.526	ppb	8.1	200.01	0.0425	Pulse	0.1000	3
Co	59	72	He	0.566	ppb	5.3	1173.43	0.1214	Pulse	0.1000	3
Ni	60	115	He	1.511	ppb	10.7	976.73	0.0840	Pulse	0.1000	3
Cu	63	115	He	0.464	ppb	6.8	793.38	0.0686	Pulse	0.1000	3
Zn	66	115	He	2.757	ppb	17.8	540.03	0.0468	Pulse	0.1000	3
As	75	115	He	0.221	ppb	30.6	45.33	0.0039	Pulse	0.5000	3
Sr	88	72	He	0.135	ppb	49.9	166.67	0.0171	Pulse	0.1000	3
Mo	98	159	He	0.786	ppb	10.3	1436.80	0.0258	Pulse	0.1000	3
Ag	107	72	He	0.010	ppb	71.3	56.67	0.0058	Pulse	0.1000	3
Cd	111	72	He	0.011	ppb	28.2	5.33	0.0006	Pulse	0.5000	3
Sn	120	159	He	0.296	ppb	21.1	2483.65	0.0445	Pulse	0.1000	3
Sb	121	159	He	0.020	ppb	55.4	73.33	0.0013	Pulse	0.1000	3
Ba	137	159	He	0.698	ppb	8.5	423.35	0.0076	Pulse	0.1000	3
Tl	205	159	He	0.016	ppb	55.5	326.68	0.0059	Pulse	0.1000	3
Pb	208	159	He	0.051	ppb	13.0	1103.39	0.0198	Pulse	0.1000	3
U	238	159	He	0.010	ppb	29.5	203.34	0.0037	Pulse	0.1000	3

ISTD Table:

Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	178059.40	1.5	97.2	Pulse	0.1000	3
No Gas	Ge	72	118404.17	0.5	105.7	Pulse	0.1000	3
H2	Sc	45	36757.36	2.9	108.4	Pulse	0.1000	3
H2	Ge	72	28525.91	0.7	110.3	Pulse	0.1000	3
H2	In	115	67400.73	1.1	105.4	Pulse	0.1000	3
He	Sc	45	4704.26	5.2	98.9	Pulse	0.1000	3
He	Ge	72	9660.27	3.6	99.3	Pulse	0.1000	3
He	In	115	11592.14	5.6	99.0	Pulse	0.1000	3
He	Tb	159	55739.13	0.8	111.7	Pulse	0.1000	3
He	Bi	209	46978.56	0.6	114.9	Pulse	0.1000	3

No Gas



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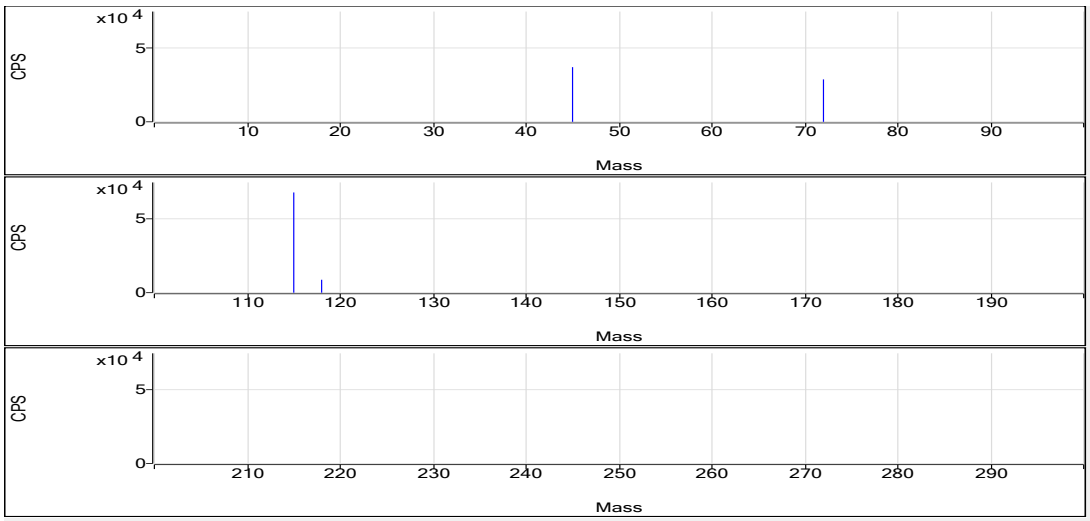
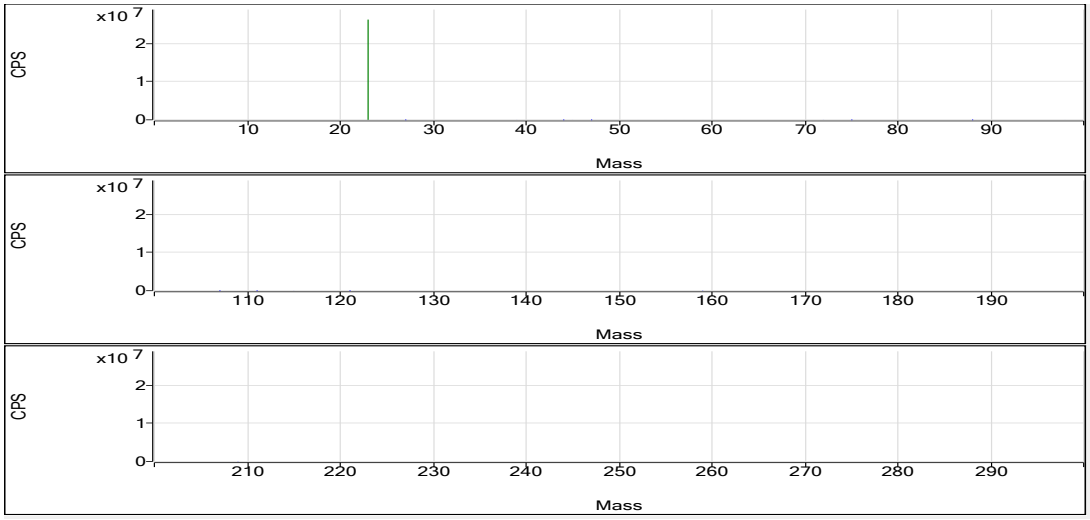


Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.017	0.0002	40.00	0.0035	0.0001638
Be	9	1	No Gas	0.081	0.0004	80.00	0.0035	0.0001638
Be	9	1	No Gas	0.042	0.0003	54.00	0.0035	0.0001638
Se	78	2	H2	0.042	0.0002	6.67	0.0035	8.664E-05
Se	78	2	H2	0.1	0.0004	12.67	0.0035	8.664E-05
Se	78	2	H2	0.095	0.0004	12.00	0.0035	8.664E-05
Na	23	3	He	278671.773	6033.0048	26670647.10	0.0216	0.8064
Na	23	3	He	249633.335	5404.4315	26162907.11	0.0216	0.8064
Na	23	3	He	245557.904	5316.2137	25788899.62	0.0216	0.8064
Mg	24	3	He	3.201	0.1403	620.03	0.0109	0.1054
Mg	24	3	He	1.703	0.1239	600.03	0.0109	0.1054
Mg	24	3	He	3.005	0.1381	670.04	0.0109	0.1054
Al	27	3	He	4.883	0.0271	120.01	0.0037	0.009095
Al	27	3	He	4.804	0.0269	130.01	0.0037	0.009095
Al	27	3	He	2.001	0.0165	80.00	0.0037	0.009095
K	39	3	He	34.884	1.6721	7392.07	0.0099	1.328
K	39	3	He	4.627	1.374	6651.76	0.0099	1.328
K	39	3	He	-0.057	1.3279	6441.64	0.0099	1.328
Ca	44	3	He	18.502	0.0089	110.00	0.0002	0.004867
Ca	44	3	He	10.503	0.0072	80.00	0.0002	0.004867
Ca	44	3	He	-6.033	0.0035	40.00	0.0002	0.004867
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0	0	0.00	0.002	0
Ti	47	3	He	0.521	0.0011	10.00	0.002	0
V	51	3	He	0.176	0.0692	306.01	0.1638	0.04039
V	51	3	He	0.182	0.0702	340.01	0.1638	0.04039
V	51	3	He	0.164	0.0672	326.01	0.1638	0.04039
Cr	52	3	He	-0.024	0.081	770.04	0.1041	0.08357
Cr	52	3	He	-0.01	0.0825	830.05	0.1041	0.08357
Cr	52	3	He	-0.017	0.0818	770.04	0.1041	0.08357
Mn	55	3	He	0.782	0.0474	450.02	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.593	0.0378	380.02	0.0509	0.00756
Mn	55	3	He	0.332	0.0244	230.01	0.0509	0.00756
Fe	57	3	He	4.104	0.0407	180.01	0.0041	0.02373
Fe	57	3	He	4.747	0.0434	210.01	0.0041	0.02373
Fe	57	3	He	4.726	0.0433	210.01	0.0041	0.02373
Co	59	3	He	0.575	0.1231	1170.09	0.1966	0.009981
Co	59	3	He	0.591	0.1262	1270.11	0.1966	0.009981
Co	59	3	He	0.533	0.1147	1080.08	0.1966	0.009981
Ni	60	3	He	1.688	0.0916	1130.08	0.0432	0.01878
Ni	60	3	He	1.371	0.0779	870.06	0.0432	0.01878
Ni	60	3	He	1.475	0.0824	930.06	0.0432	0.01878
Cu	63	3	He	0.433	0.0649	800.05	0.1222	0.01194
Cu	63	3	He	0.496	0.0726	810.05	0.1222	0.01194
Cu	63	3	He	0.461	0.0683	770.05	0.1222	0.01194
Zn	66	3	He	2.365	0.0405	500.03	0.0159	0.002839
Zn	66	3	He	3.306	0.0555	620.04	0.0159	0.002839
Zn	66	3	He	2.602	0.0443	500.03	0.0159	0.002839
As	75	3	He	0.27	0.0045	56.00	0.0132	0.0009658
As	75	3	He	0.144	0.0029	32.00	0.0132	0.0009658
As	75	3	He	0.248	0.0043	48.00	0.0132	0.0009658
Sr	88	3	He	0.156	0.0189	180.01	0.0864	0.005458
Sr	88	3	He	0.19	0.0219	220.01	0.0864	0.005458
Sr	88	3	He	0.06	0.0106	100.00	0.0864	0.005458
Mo	98	3	He	0.693	0.023	1290.12	0.0303	0.001942
Mo	98	3	He	0.825	0.027	1490.13	0.0303	0.001942
Mo	98	3	He	0.841	0.0274	1530.14	0.0303	0.001942
Ag	107	3	He	0.011	0.0063	60.00	0.3501	0.002425
Ag	107	3	He	0.016	0.0079	80.00	0.3501	0.002425
Ag	107	3	He	0.002	0.0032	30.00	0.3501	0.002425
Cd	111	3	He	0.012	0.0006	6.00	0.0454	6.986E-05
Cd	111	3	He	0.007	0.0004	4.00	0.0454	6.986E-05
Cd	111	3	He	0.012	0.0006	6.00	0.0454	6.986E-05
Sn	120	3	He	0.338	0.0458	2570.35	0.0284	0.03615
Sn	120	3	He	0.224	0.0425	2350.28	0.0284	0.03615
Sn	120	3	He	0.325	0.0454	2530.32	0.0284	0.03615
Sb	121	3	He	0.01	0.0011	60.00	0.0262	0.000803
Sb	121	3	He	0.032	0.0016	90.00	0.0262	0.000803
Sb	121	3	He	0.017	0.0013	70.00	0.0262	0.000803
Ba	137	3	He	0.632	0.0069	390.02	0.0098	0.0007342
Ba	137	3	He	0.717	0.0078	430.02	0.0098	0.0007342
Ba	137	3	He	0.747	0.0081	450.02	0.0098	0.0007342
Tl	205	3	He	0.006	0.0039	220.01	0.1945	0.002744
Tl	205	3	He	0.023	0.0072	400.02	0.1945	0.002744
Tl	205	3	He	0.019	0.0065	360.02	0.1945	0.002744
Pb	208	3	He	0.049	0.0194	580.03	0.2651	0.006358
Pb	208	3	He	0.045	0.0183	450.02	0.2651	0.006358
Pb	208	3	He	0.058	0.0217	670.04	0.2651	0.006358
U	238	3	He	0.011	0.0037	210.01	0.3022	0.0005338
U	238	3	He	0.013	0.0045	250.01	0.3022	0.0005338
U	238	3	He	0.007	0.0027	150.01	0.3022	0.0005338
Sc	45	1	No Gas			179334.00		
Sc	45	1	No Gas			179800.58		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			175043.61		
Ge	72	1	No Gas			118680.02		
Ge	72	1	No Gas			118759.60		
Ge	72	1	No Gas			117772.90		
Sc	45	2	H2			35524.22		
Sc	45	2	H2			37559.38		
Sc	45	2	H2			37188.49		
Ge	72	2	H2			28459.22		
Ge	72	2	H2			28739.46		
Ge	72	2	H2			28379.05		
In	115	2	H2			66549.59		
In	115	2	H2			67736.17		
In	115	2	H2			67916.42		
Sc	45	3	He			4420.79		
Sc	45	3	He			4841.01		
Sc	45	3	He			4850.99		
Ge	72	3	He			9503.53		
Ge	72	3	He			10063.87		
Ge	72	3	He			9413.42		
In	115	3	He			12345.89		
In	115	3	He			11174.87		
In	115	3	He			11294.97		
Tb	159	3	He			56178.10		
Tb	159	3	He			55284.00		
Tb	159	3	He			55755.29		
Bi	209	3	He			47065.50		
Bi	209	3	He			46643.69		
Bi	209	3	He			47226.48		

Quantitation Report

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Sample Type	CCV
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Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

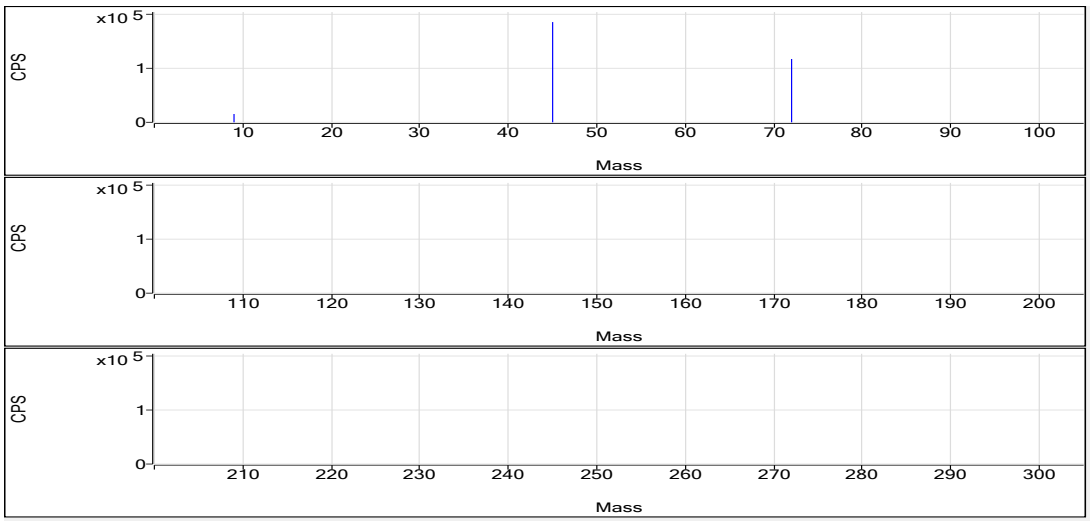
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	23.775	ppb	1.3	15412.64	0.0828	Pulse	0.5000	3
Se	78	72	H2	25.241	ppb	1.5	2434.21	0.0892	Pulse	1.5000	3
Na	23	45	He	2539.513	ppb	5.7	274025.25	55.7773	Pulse	0.1000	3
Mg	24	45	He	2447.693	ppb	4.5	131535.28	26.7646	Pulse	0.1000	3
Al	27	45	He	2451.754	ppb	5.3	44578.35	9.0729	Pulse	0.1000	3
K	39	45	He	2396.173	ppb	4.9	122541.38	24.9340	Pulse	0.1000	3
Ca	44	115	He	2353.590	ppb	6.2	6555.04	0.5203	Pulse	0.1000	3
Ti	47	72	He	2394.874	ppb	2.9	47795.96	4.8806	Pulse	0.1000	3
V	51	45	He	246.247	ppb	5.0	198432.72	40.3828	Pulse	0.5000	3
Cr	52	72	He	242.336	ppb	2.0	247954.57	25.3164	Pulse	0.1000	3
Mn	55	72	He	242.304	ppb	1.9	120842.10	12.3376	Pulse	0.1000	3
Fe	57	45	He	2441.516	ppb	4.5	49796.58	10.1316	Pulse	0.1000	3
Co	59	72	He	243.933	ppb	1.7	469947.52	47.9790	Pulse	0.1000	3
Ni	60	115	He	237.227	ppb	4.0	129299.96	10.2568	Pulse	0.1000	3
Cu	63	115	He	236.693	ppb	4.0	364632.36	28.9267	Pulse	0.1000	3
Zn	66	115	He	240.100	ppb	5.4	48278.76	3.8313	Pulse	0.1000	3
As	75	115	He	239.295	ppb	4.0	39941.60	3.1687	Pulse	0.5000	3
Sr	88	72	He	24.307	ppb	0.4	20622.26	2.1051	Pulse	0.1000	3
Mo	98	159	He	23.893	ppb	0.5	40893.75	0.7267	Pulse	0.1000	3
Ag	107	72	He	25.890	ppb	2.1	88812.51	9.0677	Pulse	0.1000	3
Cd	111	72	He	25.238	ppb	2.5	11225.23	1.1461	Pulse	0.5000	3
Sn	120	159	He	24.878	ppb	1.5	41827.67	0.7433	Pulse	0.1000	3
Sb	121	159	He	23.792	ppb	1.2	35058.46	0.6230	Pulse	0.1000	3
Ba	137	159	He	240.987	ppb	1.5	133293.64	2.3689	Pulse	0.1000	3
Tl	205	159	He	25.619	ppb	4.0	280456.36	4.9854	Pulse	0.1000	3
Pb	208	159	He	25.352	ppb	3.5	378508.68	6.7280	Pulse	0.1000	3
U	238	159	He	25.560	ppb	3.9	434524.55	7.7241	Pulse	0.1000	3

ISTD Table:

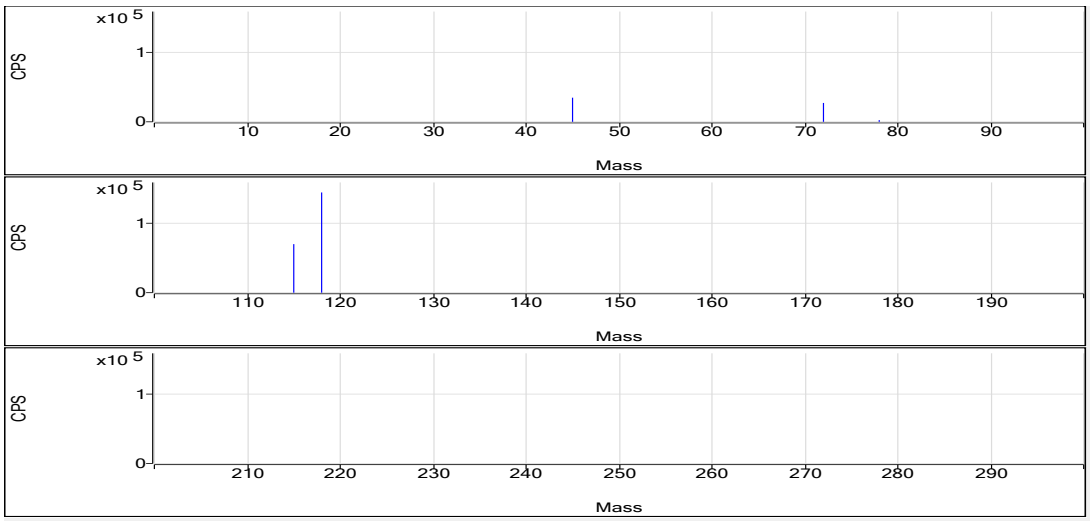
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	186171.91	1.2	101.6	Pulse	0.1000	3
No Gas	Ge	72	117584.67	1.4	105.0	Pulse	0.1000	3
H2	Sc	45	34892.82	2.4	102.9	Pulse	0.1000	3
H2	Ge	72	27293.48	1.4	105.5	Pulse	0.1000	3
H2	In	115	70218.29	1.5	109.8	Pulse	0.1000	3
He	Sc	45	4920.99	4.4	103.5	Pulse	0.1000	3
He	Ge	72	9797.00	2.1	100.7	Pulse	0.1000	3
He	In	115	12618.97	4.1	107.7	Pulse	0.1000	3
He	Tb	159	56278.04	1.5	112.8	Pulse	0.1000	3
He	Bi	209	47587.29	2.4	116.4	Pulse	0.1000	3

No Gas

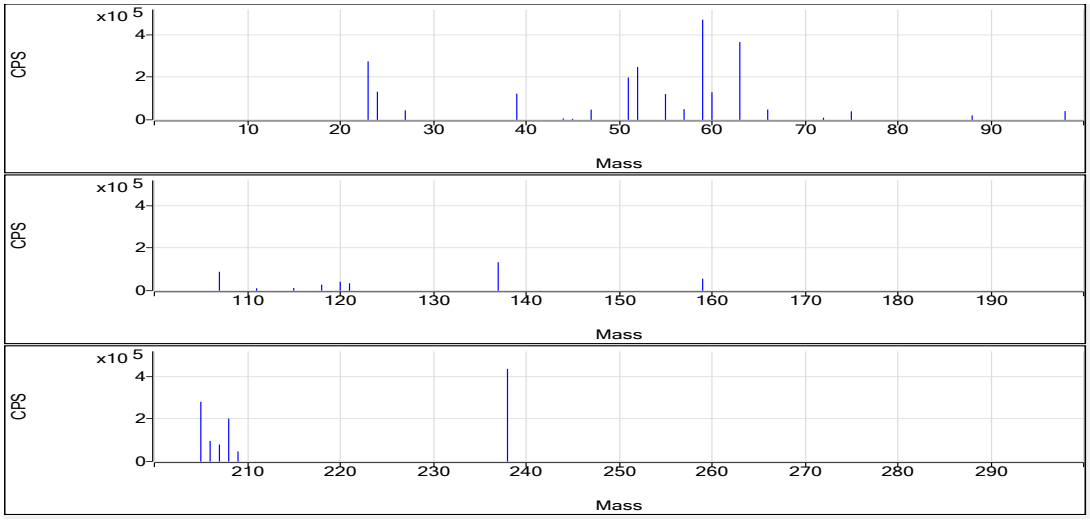


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	23.431	0.0816	15355.90	0.0035	0.0001638
Be	9	1	No Gas	23.841	0.083	15261.83	0.0035	0.0001638
Be	9	1	No Gas	24.053	0.0838	15620.20	0.0035	0.0001638
Se	78	2	H2	24.887	0.0879	2434.21	0.0035	8.664E-05
Se	78	2	H2	25.184	0.089	2427.54	0.0035	8.664E-05
Se	78	2	H2	25.652	0.0907	2440.88	0.0035	8.664E-05
Na	23	3	He	2637.614	57.9009	276242.11	0.0216	0.8064
Na	23	3	He	2607.223	57.243	275966.19	0.0216	0.8064
Na	23	3	He	2373.701	52.1881	269867.46	0.0216	0.8064
Mg	24	3	He	2539.843	27.7683	132481.15	0.0109	0.1054
Mg	24	3	He	2478.592	27.1012	130653.68	0.0109	0.1054
Mg	24	3	He	2324.644	25.4244	131471.02	0.0109	0.1054
Al	27	3	He	2551.179	9.4404	45039.78	0.0037	0.009095
Al	27	3	He	2498.235	9.2447	44568.31	0.0037	0.009095
Al	27	3	He	2305.847	8.5335	44126.97	0.0037	0.009095
K	39	3	He	2509.527	26.0507	124286.64	0.0099	1.328
K	39	3	He	2404.579	25.0168	120605.13	0.0099	1.328
K	39	3	He	2274.413	23.7345	122732.38	0.0099	1.328
Ca	44	3	He	2502.661	0.553	6711.77	0.0002	0.004867
Ca	44	3	He	2208.619	0.4886	6431.63	0.0002	0.004867
Ca	44	3	He	2349.49	0.5194	6521.71	0.0002	0.004867
Ti	47	3	He	2344.614	4.7781	47799.50	0.002	0
Ti	47	3	He	2365.323	4.8203	47257.19	0.002	0
Ti	47	3	He	2474.685	5.0432	48331.19	0.002	0
V	51	3	He	254.204	41.6864	198883.95	0.1638	0.04039
V	51	3	He	252.335	41.3802	199492.52	0.1638	0.04039
V	51	3	He	232.201	38.0816	196921.70	0.1638	0.04039
Cr	52	3	He	238.332	24.8995	249089.88	0.1041	0.08357
Cr	52	3	He	240.81	25.1574	246636.75	0.1041	0.08357
Cr	52	3	He	247.867	25.8923	248137.09	0.1041	0.08357
Mn	55	3	He	237.156	12.0756	120802.56	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	244.262	12.4373	121931.50	0.0509	0.00756
Mn	55	3	He	245.493	12.4999	119792.23	0.0509	0.00756
Fe	57	3	He	2549.952	10.5806	50479.32	0.0041	0.02373
Fe	57	3	He	2443.979	10.1418	48893.36	0.0041	0.02373
Fe	57	3	He	2330.619	9.6725	50017.07	0.0041	0.02373
Co	59	3	He	239.307	47.0694	470874.09	0.1966	0.009981
Co	59	3	He	245.654	48.3174	473690.81	0.1966	0.009981
Co	59	3	He	246.837	48.5502	465277.65	0.1966	0.009981
Ni	60	3	He	247.844	10.715	130053.28	0.0432	0.01878
Ni	60	3	He	229.62	9.9285	130698.69	0.0432	0.01878
Ni	60	3	He	234.217	10.1269	127147.90	0.0432	0.01878
Cu	63	3	He	245.161	29.9611	363653.16	0.1222	0.01194
Cu	63	3	He	226.655	27.7005	364647.26	0.1222	0.01194
Cu	63	3	He	238.263	29.1185	365596.67	0.1222	0.01194
Zn	66	3	He	254.166	4.0556	49225.33	0.0159	0.002839
Zn	66	3	He	228.454	3.6456	47991.10	0.0159	0.002839
Zn	66	3	He	237.68	3.7928	47619.86	0.0159	0.002839
As	75	3	He	248.966	3.2967	40013.75	0.0132	0.0009658
As	75	3	He	229.617	3.0406	40025.91	0.0132	0.0009658
As	75	3	He	239.3	3.1687	39785.14	0.0132	0.0009658
Sr	88	3	He	24.235	2.0988	20995.97	0.0864	0.005458
Sr	88	3	He	24.258	2.1008	20595.61	0.0864	0.005458
Sr	88	3	He	24.43	2.1156	20275.20	0.0864	0.005458
Mo	98	3	He	23.837	0.725	41491.88	0.0303	0.001942
Mo	98	3	He	23.804	0.724	40569.36	0.0303	0.001942
Mo	98	3	He	24.037	0.731	40620.00	0.0303	0.001942
Ag	107	3	He	25.564	8.9534	89567.81	0.3501	0.002425
Ag	107	3	He	25.575	8.9574	87815.46	0.3501	0.002425
Ag	107	3	He	26.532	9.2925	89054.26	0.3501	0.002425
Cd	111	3	He	25.066	1.1382	11386.69	0.0454	6.986E-05
Cd	111	3	He	24.714	1.1223	11002.40	0.0454	6.986E-05
Cd	111	3	He	25.935	1.1777	11286.61	0.0454	6.986E-05
Sn	120	3	He	24.48	0.732	41894.71	0.0284	0.03615
Sn	120	3	He	24.953	0.7455	41774.06	0.0284	0.03615
Sn	120	3	He	25.201	0.7525	41814.23	0.0284	0.03615
Sb	121	3	He	23.733	0.6214	35566.50	0.0262	0.000803
Sb	121	3	He	23.549	0.6166	34553.69	0.0262	0.000803
Sb	121	3	He	24.094	0.6309	35055.19	0.0262	0.000803
Ba	137	3	He	236.931	2.329	133292.77	0.0098	0.0007342
Ba	137	3	He	241.801	2.3769	133191.64	0.0098	0.0007342
Ba	137	3	He	244.23	2.4007	133396.51	0.0098	0.0007342
Tl	205	3	He	24.527	4.7729	273164.86	0.1945	0.002744
Tl	205	3	He	25.77	5.0147	281009.59	0.1945	0.002744
Tl	205	3	He	26.561	5.1686	287194.64	0.1945	0.002744
Pb	208	3	He	24.408	6.4778	198861.60	0.2651	0.006358
Pb	208	3	He	25.505	6.7686	202131.75	0.2651	0.006358
Pb	208	3	He	26.143	6.9377	203957.83	0.2651	0.006358
U	238	3	He	24.499	7.4033	423702.14	0.3022	0.0005338
U	238	3	He	25.728	7.7747	435671.36	0.3022	0.0005338
U	238	3	He	26.454	7.9942	444200.15	0.3022	0.0005338
Sc	45	1	No Gas			188194.53		
Sc	45	1	No Gas			183828.92		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			186492.28		
Ge	72	1	No Gas			119204.89		
Ge	72	1	No Gas			115948.24		
Ge	72	1	No Gas			117600.89		
Sc	45	2	H2			34160.93		
Sc	45	2	H2			35795.34		
Sc	45	2	H2			34722.20		
Ge	72	2	H2			27677.44		
Ge	72	2	H2			27276.86		
Ge	72	2	H2			26926.15		
In	115	2	H2			69072.03		
In	115	2	H2			70419.77		
In	115	2	H2			71163.08		
Sc	45	3	He			4770.95		
Sc	45	3	He			4820.96		
Sc	45	3	He			5171.05		
Ge	72	3	He			10003.82		
Ge	72	3	He			9803.73		
Ge	72	3	He			9583.44		
In	115	3	He			12356.05		
In	115	3	He			13386.87		
In	115	3	He			12776.36		
Tb	159	3	He			57231.89		
Tb	159	3	He			56037.03		
Tb	159	3	He			55565.20		
Bi	209	3	He			46583.82		
Bi	209	3	He			47316.49		
Bi	209	3	He			48861.56		

Quantitation Report

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Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\25F12B00.b
Acq Time	6/12/2025 8:25:06 PM
Sample Name	CCB 7792565
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins22323
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	6/12/2025 6:57:15 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

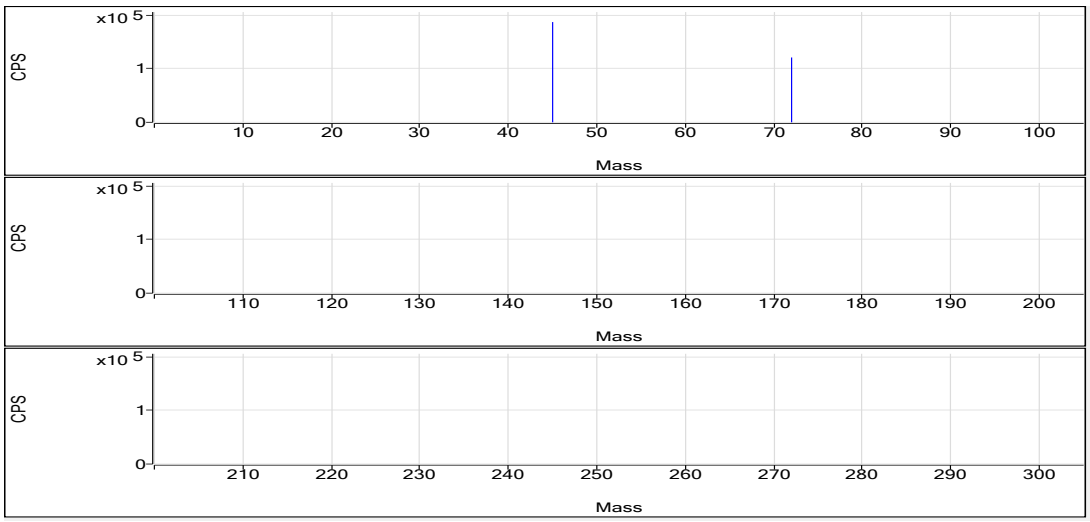
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.046	ppb	40.1	60.00	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.036	ppb	34.4	6.00	0.0002	Pulse	1.5000	3
Na	23	45	He	84.325	ppb	2.7	12599.09	2.6317	Pulse	0.1000	3
Mg	24	45	He	1.081	ppb	59.0	560.03	0.1172	Pulse	0.1000	3
Al	27	45	He	1.294	ppb	132.6	66.67	0.0139	Pulse	0.1000	3
K	39	45	He	-1.671	ppb	N/A	6281.55	1.3120	Pulse	0.1000	3
Ca	44	115	He	15.857	ppb	169.4	103.34	0.0083	Pulse	0.1000	3
Ti	47	72	He	1.135	ppb	70.3	23.33	0.0023	Pulse	0.1000	3
V	51	45	He	0.135	ppb	18.5	299.34	0.0625	Pulse	0.5000	3
Cr	52	72	He	0.063	ppb	191.0	923.39	0.0901	Pulse	0.1000	3
Mn	55	72	He	0.208	ppb	9.4	186.68	0.0181	Pulse	0.1000	3
Fe	57	45	He	3.060	ppb	47.4	173.34	0.0364	Pulse	0.1000	3
Co	59	72	He	0.400	ppb	8.1	910.06	0.0887	Pulse	0.1000	3
Ni	60	115	He	0.693	ppb	21.9	603.37	0.0487	Pulse	0.1000	3
Cu	63	115	He	0.047	ppb	33.0	220.01	0.0177	Pulse	0.1000	3
Zn	66	115	He	0.865	ppb	6.9	206.68	0.0166	Pulse	0.1000	3
As	75	115	He	0.166	ppb	17.2	39.33	0.0032	Pulse	0.5000	3
Sr	88	72	He	0.013	ppb	226.4	66.67	0.0066	Pulse	0.1000	3
Mo	98	159	He	0.394	ppb	10.1	770.04	0.0139	Pulse	0.1000	3
Ag	107	72	He	0.004	ppb	60.6	40.00	0.0039	Pulse	0.1000	3
Cd	111	72	He	0.016	ppb	74.9	8.00	0.0008	Pulse	0.5000	3
Sn	120	159	He	0.505	ppb	114.8	2793.63	0.0505	Pulse	0.1000	3
Sb	121	159	He	0.080	ppb	45.4	160.01	0.0029	Pulse	0.1000	3
Ba	137	159	He	0.060	ppb	137.3	73.33	0.0013	Pulse	0.1000	3
Tl	205	159	He	0.013	ppb	48.2	296.68	0.0054	Pulse	0.1000	3
Pb	208	159	He	0.013	ppb	54.9	543.35	0.0098	Pulse	0.1000	3
U	238	159	He	0.008	ppb	69.0	170.01	0.0031	Pulse	0.1000	3

ISTD Table:

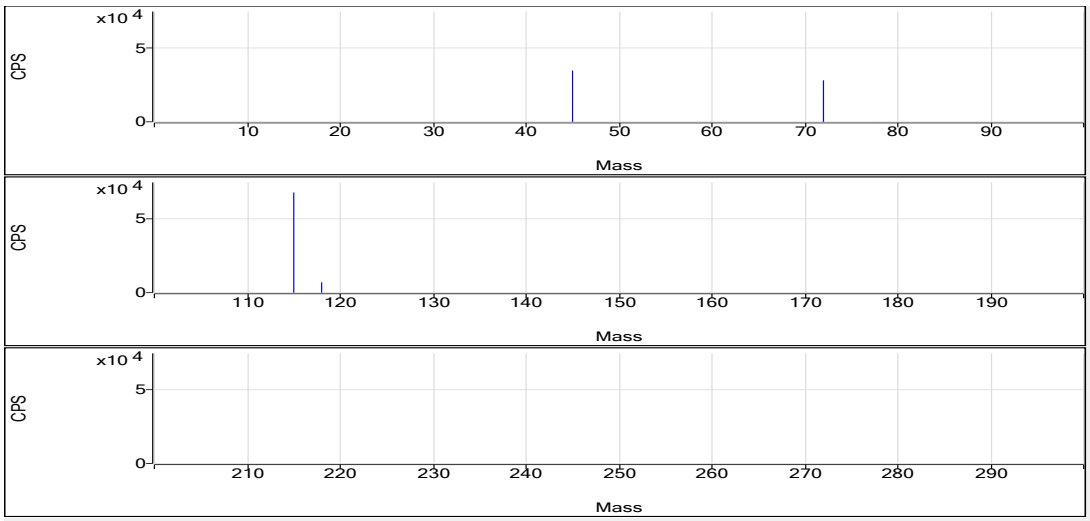
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	186526.06	1.4	101.8	Pulse	0.1000	3
No Gas	Ge	72	120643.09	1.6	107.7	Pulse	0.1000	3
H2	Sc	45	34551.86	2.0	101.9	Pulse	0.1000	3
H2	Ge	72	27964.67	2.8	108.1	Pulse	0.1000	3
H2	In	115	67571.29	0.4	105.7	Pulse	0.1000	3
He	Sc	45	4790.95	6.0	100.8	Pulse	0.1000	3
He	Ge	72	10290.75	5.2	105.8	Pulse	0.1000	3
He	In	115	12425.57	3.3	106.1	Pulse	0.1000	3
He	Tb	159	55387.46	0.6	111.0	Pulse	0.1000	3
He	Bi	209	47313.13	3.8	115.7	Pulse	0.1000	3

No Gas

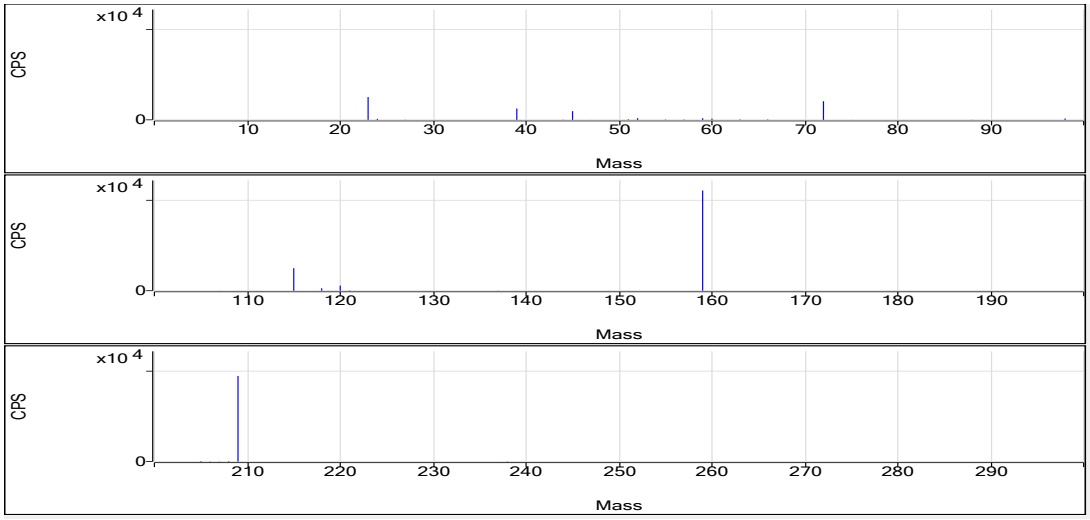


H2



Quantitation Report

He



Replicate:

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Be	9	1	No Gas	0.063	0.0004	70.00	0.0035	0.0001638
Be	9	1	No Gas	0.026	0.0003	48.00	0.0035	0.0001638
Be	9	1	No Gas	0.048	0.0003	62.00	0.0035	0.0001638
Se	78	2	H2	0.024	0.0002	4.67	0.0035	8.664E-05
Se	78	2	H2	0.049	0.0003	7.33	0.0035	8.664E-05
Se	78	2	H2	0.035	0.0002	6.00	0.0035	8.664E-05
Na	23	3	He	81.763	2.5763	13116.11	0.0216	0.8064
Na	23	3	He	86.245	2.6733	12085.48	0.0216	0.8064
Na	23	3	He	84.968	2.6456	12595.69	0.0216	0.8064
Mg	24	3	He	0.423	0.11	560.03	0.0109	0.1054
Mg	24	3	He	1.697	0.1239	560.03	0.0109	0.1054
Mg	24	3	He	1.124	0.1176	560.03	0.0109	0.1054
Al	27	3	He	0.728	0.0118	60.00	0.0037	0.009095
Al	27	3	He	-0.067	0.0088	40.00	0.0037	0.009095
Al	27	3	He	3.221	0.021	100.00	0.0037	0.009095
K	39	3	He	-3.422	1.2947	6591.71	0.0099	1.328
K	39	3	He	1.25	1.3408	6061.44	0.0099	1.328
K	39	3	He	-2.84	1.3005	6191.50	0.0099	1.328
Ca	44	3	He	34.833	0.0125	150.01	0.0002	0.004867
Ca	44	3	He	-14.886	0.0016	20.00	0.0002	0.004867
Ca	44	3	He	27.623	0.0109	140.01	0.0002	0.004867
Ti	47	3	He	0.473	0.001	10.00	0.002	0
Ti	47	3	He	0.91	0.0019	20.00	0.002	0
Ti	47	3	He	2.021	0.0041	40.00	0.002	0
V	51	3	He	0.12	0.0601	306.01	0.1638	0.04039
V	51	3	He	0.121	0.0602	272.00	0.1638	0.04039
V	51	3	He	0.164	0.0672	320.01	0.1638	0.04039
Cr	52	3	He	-0.034	0.08	830.05	0.1041	0.08357
Cr	52	3	He	0.026	0.0862	930.06	0.1041	0.08357
Cr	52	3	He	0.196	0.104	1010.07	0.1041	0.08357
Mn	55	3	He	0.23	0.0193	200.01	0.0509	0.00756

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Mn	55	3	He	0.198	0.0176	190.01	0.0509	0.00756
Mn	55	3	He	0.195	0.0175	170.01	0.0509	0.00756
Fe	57	3	He	1.386	0.0295	150.01	0.0041	0.02373
Fe	57	3	He	3.886	0.0398	180.01	0.0041	0.02373
Fe	57	3	He	3.909	0.0399	190.01	0.0041	0.02373
Co	59	3	He	0.39	0.0868	900.06	0.1966	0.009981
Co	59	3	He	0.374	0.0835	900.06	0.1966	0.009981
Co	59	3	He	0.436	0.0957	930.06	0.1966	0.009981
Ni	60	3	He	0.858	0.0558	670.04	0.0432	0.01878
Ni	60	3	He	0.663	0.0474	590.03	0.0432	0.01878
Ni	60	3	He	0.559	0.0429	550.03	0.0432	0.01878
Cu	63	3	He	0.052	0.0183	220.01	0.1222	0.01194
Cu	63	3	He	0.06	0.0193	240.01	0.1222	0.01194
Cu	63	3	He	0.03	0.0156	200.01	0.1222	0.01194
Zn	66	3	He	0.815	0.0158	190.01	0.0159	0.002839
Zn	66	3	He	0.93	0.0177	220.01	0.0159	0.002839
Zn	66	3	He	0.849	0.0164	210.01	0.0159	0.002839
As	75	3	He	0.179	0.0033	40.00	0.0132	0.0009658
As	75	3	He	0.133	0.0027	34.00	0.0132	0.0009658
As	75	3	He	0.186	0.0034	44.00	0.0132	0.0009658
Sr	88	3	He	0.026	0.0077	80.00	0.0864	0.005458
Sr	88	3	He	-0.02	0.0037	40.00	0.0864	0.005458
Sr	88	3	He	0.032	0.0082	80.00	0.0864	0.005458
Mo	98	3	He	0.438	0.0152	840.05	0.0303	0.001942
Mo	98	3	He	0.385	0.0136	760.04	0.0303	0.001942
Mo	98	3	He	0.36	0.0129	710.04	0.0303	0.001942
Ag	107	3	He	0.007	0.0048	50.00	0.3501	0.002425
Ag	107	3	He	0.004	0.0037	40.00	0.3501	0.002425
Ag	107	3	He	0.002	0.0031	30.00	0.3501	0.002425
Cd	111	3	He	0.003	0.0002	2.00	0.0454	6.986E-05
Cd	111	3	He	0.019	0.0009	10.00	0.0454	6.986E-05
Cd	111	3	He	0.026	0.0012	12.00	0.0454	6.986E-05
Sn	120	3	He	1.08	0.0668	3689.60	0.0284	0.03615
Sn	120	3	He	-0.079	0.0339	1890.18	0.0284	0.03615
Sn	120	3	He	0.513	0.0507	2801.12	0.0284	0.03615
Sb	121	3	He	0.039	0.0018	100.00	0.0262	0.000803
Sb	121	3	He	0.106	0.0036	200.01	0.0262	0.000803
Sb	121	3	He	0.094	0.0033	180.01	0.0262	0.000803
Ba	137	3	He	0.054	0.0013	70.00	0.0098	0.0007342
Ba	137	3	He	0.144	0.0022	120.00	0.0098	0.0007342
Ba	137	3	He	-0.019	0.0005	30.00	0.0098	0.0007342
Tl	205	3	He	0.015	0.0056	310.01	0.1945	0.002744
Tl	205	3	He	0.019	0.0065	360.02	0.1945	0.002744
Tl	205	3	He	0.006	0.004	220.01	0.1945	0.002744
Pb	208	3	He	0.007	0.0083	240.01	0.2651	0.006358
Pb	208	3	He	0.011	0.0091	260.01	0.2651	0.006358
Pb	208	3	He	0.021	0.012	420.02	0.2651	0.006358
U	238	3	He	0.006	0.0024	130.01	0.3022	0.0005338
U	238	3	He	0.004	0.0018	100.01	0.3022	0.0005338
U	238	3	He	0.015	0.0051	280.01	0.3022	0.0005338
Sc	45	1	No Gas			183484.27		
Sc	45	1	No Gas			188021.56		

Quantitation Report

Name	Mass	Tune Step	Tune Mode	Calc Conc.	Ratio	CPS	a	b (blank)
Sc	45	1	No Gas			188072.36		
Ge	72	1	No Gas			118760.51		
Ge	72	1	No Gas			122643.11		
Ge	72	1	No Gas			120525.65		
Sc	45	2	H2			35263.61		
Sc	45	2	H2			34501.54		
Sc	45	2	H2			33890.42		
Ge	72	2	H2			27086.30		
Ge	72	2	H2			28228.59		
Ge	72	2	H2			28579.12		
In	115	2	H2			67333.22		
In	115	2	H2			67906.69		
In	115	2	H2			67473.97		
Sc	45	3	He			5091.11		
Sc	45	3	He			4520.83		
Sc	45	3	He			4760.92		
Ge	72	3	He			10374.13		
Ge	72	3	He			10784.47		
Ge	72	3	He			9713.66		
In	115	3	He			12015.60		
In	115	3	He			12455.97		
In	115	3	He			12836.28		
Tb	159	3	He			55193.85		
Tb	159	3	He			55745.12		
Tb	159	3	He			55223.40		
Bi	209	3	He			45399.63		
Bi	209	3	He			47557.18		
Bi	209	3	He			48982.58		

US EPA Tune Check Report

Operator Name	us19_usr_ins22323
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA_ICPMS Half QC.b
Acq. Date-Time	6/12/2025 7:49:03 AM
Report Comment	E09 Tune Report
Instrument Name	G8403A SG20064740

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	1886	18856.16			0.404	5.000
24	10.00	12332	123315.88			0.401	5.000
25	10.00	1654	16537.38			0.607	5.000
26	10.00	1985	19849.02			0.444	5.000
59	10.00	16115	161145.57			0.631	5.000
115	10.00	24514	245140.66			0.868	5.000
206	10.00	4275	42750.34			2.249	5.000
207	10.00	3520	35199.83			2.107	5.000
208	10.00	8711	87114.14			2.310	5.000

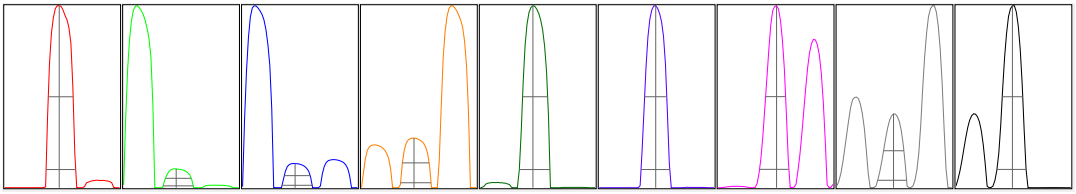
Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	1886	1874	1893	1892	1883
24	12293	12304	12417	12330	12314
25	1651	1651	1663	1664	1640
26	1996	1989	1985	1972	1982
59	15940	16144	16157	16128	16204
115	24141	24606	24675	24579	24570
206	4106	4294	4306	4342	4326
207	3390	3529	3561	3552	3568
208	8376	8682	8884	8813	8803

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	3086.26	8.95	8.90 - 9.10	
24	19553.30	23.90	23.90 - 24.10	
25	2606.07	24.90	24.90 - 25.10	
26	3026.29	25.90	25.90 - 26.10	
59	26208.82	58.90	58.90 - 59.10	
115	44543.95	115.00	114.90 - 115.10	
206	8387.21	206.05	205.90 - 206.10	
207	6839.43	207.00	206.90 - 207.10	
208	16828.87	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.64	0.761	0.900	
24	0.66	0.776	0.900	
25	0.66	0.775	0.900	
26	0.69	0.784	0.900	
59	0.64	0.787	0.900	
115	0.57	0.739	0.900	
206	0.51	0.756	0.900	
207	0.52	0.744	0.900	
208	0.53	0.749	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	235
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.05 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	0.90 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	6.3 V	Deflect	12.8 V
Extract 2	-105.0 V	Cell Entrance	-30 V	Plate Bias	-45 V
Omega Bias	-55 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.5 V

US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	170 V		

QP Parameters

Mass Gain	140	Axis Gain	1.0016	QP Bias	-2.5 V
Mass Offset	124	Axis Offset	0.06		

Hardware Settings

Torch

Torch H	-0.9 mm	Torch V	-1.0 mm		

EM

Discriminator	3.6 mV	Analog HV	2191 V	Pulse HV	1532 V

EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL (ELLE), Mercury RAW Data Report

Please note that this is raw data as received from the instrument, which does not account for weights, volumes, and dilution factors.

Sample ID	Average Intensity	%R	%RE	Average Conc.	Conc. Units	Sample Type	SLOPE	INTERCEPT	CORR COEFF	Curve Type	Flags	INSTR	Time Stamp	Ele
Calibration Blank	198.11	NA	NA	0	ug/L	Standard	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 13:59	Hg
Standard #1 (0.2 ug/L)	1702.2	104.03%	4.03%	0.2	ug/L	Standard	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:01	Hg
Standard #2 (0.5 ug/L)	4242.1	99.36%	-0.64%	0.5	ug/L	Standard	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:03	Hg
Standard #3 (1.0 ug/L)	8270.9	100.21%	0.21%	1	ug/L	Standard	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:05	Hg
Standard #4 (2.5 ug/L)	20505	100.01%	0.01%	2.5	ug/L	Standard	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:06	Hg
Standard #5 (5.0 ug/L)	40879	99.99%	-0.01%	5	ug/L	Standard	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:08	Hg
ICV	21072			2.569	ug/L	ICV	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:10	Hg
ICB	29.283			-0.014	ug/L	ICB	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:12	Hg
CRA	1912			0.217	ug/L	IPR	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:14	Hg
CCV	8407.8			1.015	ug/L	CCV	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:16	Hg
CCB	172.16			0.004	ug/L	CCB	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:18	Hg
MB 410-652965/1-A	349.03			0.025	ug/L	Unknown	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:20	Hg
LCS 410-652965/2-A	9285.1			1.122	ug/L	Unknown	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:22	Hg
410-224369-I-1-A	333.43			0.024	ug/L	Unknown	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:23	Hg
410-224369-C-1-A DU	389.35			0.03	ug/L	Unknown	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:25	Hg
410-224369-F-1-A MS	9385.6			1.135	ug/L	Unknown	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:27	Hg
410-224369-F-1-B MSD	8984.6			1.086	ug/L	Unknown	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:29	Hg
410-224675-AD-1-A	458.14			0.039	ug/L	Unknown	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:31	Hg
410-224566-H-8-A	381.01			0.029	ug/L	Unknown	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:33	Hg
410-224566-H-2-A	1513.7			0.168	ug/L	Unknown	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:35	Hg
410-224566-H-7-A	728.93			0.072	ug/L	Unknown	8146.510741	141.5685298	0.999992657	Linear		M10	6/11/2025 14:37	Hg
CCV	8500.3			1.026	ug/L	CCV							6/11/2025 14:39	
CCB	142.02			0	ug/L	CCB							6/11/2025 14:40	
410-224485-H-2-A	362.17			0.027	ug/L	Unknown							6/11/2025 14:42	
410-224566-H-5-A	459.18			0.039	ug/L	Unknown							6/11/2025 14:44	
410-224566-H-4-A	389.34			0.03	ug/L	Unknown							6/11/2025 14:46	
410-224566-H-3-A	438.11			0.036	ug/L	Unknown							6/11/2025 14:48	
410-224504-K-9-A	522.38			0.047	ug/L	Unknown							6/11/2025 14:50	
410-224504-K-6-A	358.06			0.027	ug/L	Unknown							6/11/2025 14:52	
410-224504-K-1-A	374.5			0.029	ug/L	Unknown							6/11/2025 14:54	
410-224504-K-2-A	3459.7			0.407	ug/L	Unknown							6/11/2025 14:56	
410-224504-K-8-A	550.19			0.05	ug/L	Unknown							6/11/2025 14:57	
410-224504-K-5-A	286.48			0.018	ug/L	Unknown							6/11/2025 14:59	
CCV	8369.4			1.01	ug/L	CCV							6/11/2025 15:01	
CCB	149.58			0.001	ug/L	CCB							6/11/2025 15:03	
410-224504-K-3-A	6202.8			0.744	ug/L	Unknown							6/11/2025 15:05	
410-224041-Y-7-A	352.86			0.026	ug/L	Unknown							6/11/2025 15:07	
410-224041-K-7-A DU	386.31			0.03	ug/L	Unknown							6/11/2025 15:09	
410-224041-Y-7-B MS	9748.6			1.179	ug/L	Unknown							6/11/2025 15:11	
410-224041-Y-7-C MSD	9156.4			1.107	ug/L	Unknown							6/11/2025 15:13	
MB 410-655357/1-A	355.3			0.026	ug/L	Unknown							6/11/2025 15:14	
LCS 410-655357/2-A	9378.1			1.134	ug/L	Unknown							6/11/2025 15:16	
410-224187-C-7-A	324.72			0.022	ug/L	Unknown							6/11/2025 15:18	
410-224187-C-7-B DU	375.83			0.029	ug/L	Unknown							6/11/2025 15:20	
410-224187-C-7-C MS	9610			1.162	ug/L	Unknown							6/11/2025 15:22	
CCV	8362.4			1.009	ug/L	CCV							6/11/2025 15:24	
CCB	157.19			0.002	ug/L	CCB							6/11/2025 15:26	
410-224187-C-7-D MSD	9751.2			1.18	ug/L	Unknown							6/11/2025 15:28	
620-26396-K-2-A	327.46			0.023	ug/L	Unknown							6/11/2025 15:30	
410-225566-T-4-A	460.01			0.039	ug/L	Unknown							6/11/2025 15:32	
410-225566-T-3-A	452.1			0.038	ug/L	Unknown							6/11/2025 15:33	
410-225566-T-2-A	398.64			0.032	ug/L	Unknown							6/11/2025 15:35	

180-191027-R-1-A	387.1			0.03	ug/L	Unknown							6/11/2025 15:37	
180-191067-R-1-A	341.76			0.025	ug/L	Unknown							6/11/2025 15:39	
190-37151-K-7-A	372.67			0.028	ug/L	Unknown							6/11/2025 15:41	
180-191030-S-1-A	401.82			0.032	ug/L	Unknown							6/11/2025 15:43	
180-191029-S-1-A	358.06			0.027	ug/L	Unknown							6/11/2025 15:45	
CCV	8470.3			1.022	ug/L	CCV							6/11/2025 15:47	
CCB	128.99			-0.002	ug/L	CCB							6/11/2025 15:49	
180-191028-S-1-A	694.19			0.068	ug/L	Unknown							6/11/2025 15:51	
180-191022-S-1-A	403.28			0.032	ug/L	Unknown							6/11/2025 15:52	
180-191026-S-1-A	397.35			0.031	ug/L	Unknown							6/11/2025 15:54	
410-224734-M-1-A	357.49			0.026	ug/L	Unknown							6/11/2025 15:56	
410-224733-M-1-A	365.88			0.028	ug/L	Unknown							6/11/2025 15:58	
410-224781-Q-13-A	378.52			0.029	ug/L	Unknown							6/11/2025 16:00	
410-224781-D-2-A	369.25			0.028	ug/L	Unknown							6/11/2025 16:02	
410-224781-D-3-A	366.09			0.028	ug/L	Unknown							6/11/2025 16:04	
410-224781-D-4-A	435.54			0.036	ug/L	Unknown							6/11/2025 16:06	
180-191067-P-1-A	404.59			0.032	ug/L	Unknown							6/11/2025 16:08	
CCV	8386.5			1.012	ug/L	CCV							6/11/2025 16:10	
CCB	155.54			0.002	ug/L	CCB							6/11/2025 16:11	
MB 410-652881/1-A	446.32			0.037	ug/L	Unknown							6/11/2025 16:13	
LCS 410-652881/2-A	9285.9			1.123	ug/L	Unknown							6/11/2025 16:15	
410-224472-K-2-A	374.94			0.029	ug/L	Unknown							6/11/2025 16:17	
410-224472-C-2-A DU	458.65			0.039	ug/L	Unknown							6/11/2025 16:19	
410-224472-K-2-B MS	8842			1.068	ug/L	Unknown							6/11/2025 16:21	
410-224472-M-2-A MSD	8882.1			1.073	ug/L	Unknown							6/11/2025 16:23	
410-224941-M-2-A	386.89			0.03	ug/L	Unknown							6/11/2025 16:25	
410-224941-M-3-A	414.83			0.034	ug/L	Unknown							6/11/2025 16:27	
410-224941-K-2-A	416.75			0.034	ug/L	Unknown							6/11/2025 16:29	
410-224941-K-3-A	455.3			0.038	ug/L	Unknown							6/11/2025 16:31	
CCV	8413.8			1.015	ug/L	CCV							6/11/2025 16:32	
CCB	186.09			0.005	ug/L	CCB							6/11/2025 16:34	
410-224698-D-2-A	437.65			0.036	ug/L	Unknown							6/11/2025 16:36	
410-224698-F-1-A	450			0.038	ug/L	Unknown							6/11/2025 16:38	
410-224466-L-4-A	496.9			0.044	ug/L	Unknown							6/11/2025 16:40	
410-224698-F-2-A	444.93			0.037	ug/L	Unknown							6/11/2025 16:42	
410-224698-D-1-A	506.09			0.045	ug/L	Unknown							6/11/2025 16:44	
180-191010-R-1-A	916.34			0.095	ug/L	Unknown							6/11/2025 16:46	
410-224236-AG-4-A	457.57			0.039	ug/L	Unknown							6/11/2025 16:48	
410-224315-V-2-A	474.85			0.041	ug/L	Unknown							6/11/2025 16:50	
410-224315-V-1-A	399.98			0.032	ug/L	Unknown							6/11/2025 16:51	
410-224369-F-2-A	368.13			0.028	ug/L	Unknown							6/11/2025 16:53	
CCV	8458			1.021	ug/L	CCV							6/11/2025 16:55	
CCB	174.4			0.004	ug/L	CCB							6/11/2025 16:57	
410-224369-F-3-A	351.11			0.026	ug/L	Unknown							6/11/2025 16:59	
410-224460-S-3-A	326.63			0.023	ug/L	Unknown							6/11/2025 17:01	
410-224460-Q-6-A	407.13			0.033	ug/L	Unknown							6/11/2025 17:03	
410-224460-Q-1-A	405.26			0.032	ug/L	Unknown							6/11/2025 17:05	
410-224460-Q-4-A	569.29			0.052	ug/L	Unknown							6/11/2025 17:06	
MB 410-655511/1-A	885.66			0.091	ug/L	Unknown							6/11/2025 17:08	
LCS 410-655511/2-A	10501			1.272	ug/L	Unknown							6/11/2025 17:10	
180-191209-G-1-I	727.35			0.072	ug/L	Unknown							6/11/2025 17:12	
180-191209-G-1-J DU	782.57			0.079	ug/L	Unknown							6/11/2025 17:14	
180-191209-G-1-K MS	17028			2.073	ug/L	Unknown							6/11/2025 17:16	
CCV	8338.5			1.006	ug/L	CCV							6/11/2025 17:18	
CCB	157.86			0.002	ug/L	CCB							6/11/2025 17:20	

180-191209-G-1-L MSD	16892	2.056	ug/L	Unknown	6/11/2025 17:22
180-191209-G-2-C	1278.3	0.14	ug/L	Unknown	6/11/2025 17:23
180-191134-W-1-C	810.92	0.082	ug/L	Unknown	6/11/2025 17:25
180-191143-B-1-C	883.98	0.091	ug/L	Unknown	6/11/2025 17:27
180-191175-A-1-D	1283.5	0.14	ug/L	Unknown	6/11/2025 17:29
LB 410-654775/1-C	1111.2	0.119	ug/L	Unknown	6/11/2025 17:31
180-191142-B-1-C	1293.1	0.141	ug/L	Unknown	6/11/2025 17:33
LB 410-654777/1-C	1314.5	0.144	ug/L	Unknown	6/11/2025 17:35
LB 410-655268/1-E	875.95	0.09	ug/L	Unknown	6/11/2025 17:37
LB 410-655395/1-C	879.33	0.091	ug/L	Unknown	6/11/2025 17:39
CCV	8422.1	1.016	ug/L	CCV	6/11/2025 17:41
CCB	183.28	0.005	ug/L	CCB	6/11/2025 17:42
180-191094-W-1-C	1627.5	0.182	ug/L	Unknown	6/11/2025 17:44
410-224966-A-5-D	12215	1.482	ug/L	Unknown	6/11/2025 17:46
410-222382-H-1-G	2420.6	0.28	ug/L	Unknown	6/11/2025 17:48
MB 410-654535/1-A	213.05	0.009	ug/L	Unknown	6/11/2025 17:50
LCS 410-654535/2-A	8670	1.047	ug/L	Unknown	6/11/2025 17:52
410-224977-D-1-K	153.78	0.001	ug/L	Unknown	6/11/2025 17:54
410-224977-D-1-L DU	173.87	0.004	ug/L	Unknown	6/11/2025 17:56
410-224977-D-1-M MS	8394.6	1.013	ug/L	Unknown	6/11/2025 17:58
410-224977-D-1-N MSD	8635.8	1.043	ug/L	Unknown	6/11/2025 18:00
410-224532-E-1-C	197.34	0.007	ug/L	Unknown	6/11/2025 18:01
CCV	8364.4	1.009	ug/L	CCV	6/11/2025 18:03
CCB	150.54	0.001	ug/L	CCB	6/11/2025 18:05
410-224976-D-1-H	154.92	0.002	ug/L	Unknown	6/11/2025 18:07
LB 410-652043/1-C	172.01	0.004	ug/L	Unknown	6/11/2025 18:09
MB 410-655364/1-A	205.91	0.008	ug/L	Unknown	6/11/2025 18:11
LCS 410-655364/2-A	8717.8	1.053	ug/L	Unknown	6/11/2025 18:13
LCSD 410-655364/3-A	8519.5	1.028	ug/L	Unknown	6/11/2025 18:15
410-225004-K-2-A	228.5	0.011	ug/L	Unknown	6/11/2025 18:17
410-225004-C-2-A DU	248.97	0.013	ug/L	Unknown	6/11/2025 18:19
410-225004-K-2-B MS	8687.8	1.049	ug/L	Unknown	6/11/2025 18:20
410-225004-K-2-C MSD	8881.2	1.073	ug/L	Unknown	6/11/2025 18:22
410-225004-K-6-A	159.96	0.002	ug/L	Unknown	6/11/2025 18:24
CCV	8404.9	1.014	ug/L	CCV	6/11/2025 18:26
CCB	163.55	0.003	ug/L	CCB	6/11/2025 18:28
410-225004-L-1-A	241.75	0.012	ug/L	Unknown	6/11/2025 18:30
410-225004-K-5-A	270.87	0.016	ug/L	Unknown	6/11/2025 18:32
410-225004-K-4-A	226.31	0.01	ug/L	Unknown	6/11/2025 18:34
410-225004-K-3-A	251.38	0.013	ug/L	Unknown	6/11/2025 18:36
410-225134-J-2-A	219.96	0.01	ug/L	Unknown	6/11/2025 18:38
410-225134-J-1-A	806.94	0.082	ug/L	Unknown	6/11/2025 18:40
410-225133-M-2-A	242.13	0.012	ug/L	Unknown	6/11/2025 18:41
410-225133-K-1-A	417.86	0.034	ug/L	Unknown	6/11/2025 18:43
410-225136-H-5-A	252.43	0.014	ug/L	Unknown	6/11/2025 18:45
410-225133-K-2-A	201.27	0.007	ug/L	Unknown	6/11/2025 18:47
CCV	8130.1	0.981	ug/L	CCV	6/11/2025 18:49
CCB	188.14	0.006	ug/L	CCB	6/11/2025 18:51
410-225133-M-1-A	308.54	0.02	ug/L	Unknown	6/11/2025 18:53
410-224961-T-1-A	251.81	0.014	ug/L	Unknown	6/11/2025 18:55
410-224963-H-2-A	257.94	0.014	ug/L	Unknown	6/11/2025 18:57
410-224963-H-3-A	283.39	0.017	ug/L	Unknown	6/11/2025 18:59
410-224926-L-18-A	228.23	0.011	ug/L	Unknown	6/11/2025 19:01
410-224926-L-10-A	237.4	0.012	ug/L	Unknown	6/11/2025 19:02
180-191241-K-1-A	185.27	0.005	ug/L	Unknown	6/11/2025 19:04

MB 410-655511/1-A	834.93	0.085	ug/L	Unknown	6/11/2025 19:06
MB 410-655511/1-A	862.1	0.088	ug/L	Unknown	6/11/2025 19:08
MB 410-652960/1-A	259.95	0.015	ug/L	Unknown	6/11/2025 19:10
CCV	8446.4	1.019	ug/L	CCV	6/11/2025 19:12
CCB	145.59	0	ug/L	CCB	6/11/2025 19:14
LCS 410-652960/2-A	9361.5	1.132	ug/L	Unknown	6/11/2025 19:16
410-224504-M-7-A	452.72	0.038	ug/L	Unknown	6/11/2025 19:18
410-224504-K-7-A DU	511.52	0.045	ug/L	Unknown	6/11/2025 19:19
410-224504-J-7-A MS	9221.3	1.115	ug/L	Unknown	6/11/2025 19:21
410-224504-H-7-A MSD	9212.8	1.114	ug/L	Unknown	6/11/2025 19:23
410-224566-H-9-A	210.11	0.008	ug/L	Unknown	6/11/2025 19:25
410-224675-AD-2-A	278.57	0.017	ug/L	Unknown	6/11/2025 19:27
410-224675-AF-1-A	386.48	0.03	ug/L	Unknown	6/11/2025 19:29
410-224675-AF-3-A	353.89	0.026	ug/L	Unknown	6/11/2025 19:31
410-224633-Y-3-A	353.31	0.026	ug/L	Unknown	6/11/2025 19:33
CCV	8382.6	1.012	ug/L	CCV	6/11/2025 19:35
CCB	159.6	0.002	ug/L	CCB	6/11/2025 19:36
410-224781-Q-15-A	336.5	0.024	ug/L	Unknown	6/11/2025 19:38
410-224781-D-10-A	294.75	0.019	ug/L	Unknown	6/11/2025 19:40
410-224781-D-6-A	331.26	0.023	ug/L	Unknown	6/11/2025 19:42
410-224781-Q-12-A	265.04	0.015	ug/L	Unknown	6/11/2025 19:44
410-224781-G-5-A	260.47	0.015	ug/L	Unknown	6/11/2025 19:46
410-224504-C-4-A	567.33	0.052	ug/L	Unknown	6/11/2025 19:48
410-224781-D-8-A	334.33	0.024	ug/L	Unknown	6/11/2025 19:50
410-224781-D-9-A	427.11	0.035	ug/L	Unknown	6/11/2025 19:52
410-224781-D-1-A	379.09	0.029	ug/L	Unknown	6/11/2025 19:53
410-224781-D-7-A	380.62	0.029	ug/L	Unknown	6/11/2025 19:55
CCV	8363.5	1.009	ug/L	CCV	6/11/2025 19:57
CCB	180.73	0.005	ug/L	CCB	6/11/2025 19:59
410-224740-I-1-A	374.61	0.029	ug/L	Unknown	6/11/2025 20:01
410-224740-L-2-A	461.37	0.039	ug/L	Unknown	6/11/2025 20:03
410-224740-I-3-A	632.21	0.06	ug/L	Unknown	6/11/2025 20:05
410-224740-I-4-A	361.43	0.027	ug/L	Unknown	6/11/2025 20:07
z	64.446	-0.009	ug/L	Unknown	6/11/2025 20:09
CCV	8458.2	1.021	ug/L	CCV	6/11/2025 20:10
CCB	162.48	0.003	ug/L	CCB	6/11/2025 20:12

EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL (ELLE), Mercury RAW Data Report

Please note that this is raw data as received from the instrument, which does not account for weights, volumes, and dilution factors.

Sample ID	Average Intensity	%R	%RE	Average Conc.	Conc. Units	Sample Type	SLOPE	INTERCEPT	CORR COEFF	Curve Type	Flags	INSTR	Time Stamp	Ele
Calibration Blank	328.39	NA	NA	0	ug/L	Standard	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 14:42	Hg
Standard #1 (0.2 ug/L)	2020.5	100.95%	0.95%	0.2	ug/L	Standard	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 14:44	Hg
Standard #2 (0.5 ug/L)	4676	102.62%	2.62%	0.5	ug/L	Standard	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 14:46	Hg
Standard #3 (1.0 ug/L)	9471.7	99.21%	-0.79%	1	ug/L	Standard	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 14:48	Hg
Standard #4 (2.5 ug/L)	23072	100.51%	0.51%	2.5	ug/L	Standard	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 14:49	Hg
Standard #5 (5.0 ug/L)	46237	99.88%	-0.12%	5	ug/L	Standard	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 14:51	Hg
ICV	24519			2.645	ug/L	ICV	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 14:53	Hg
ICB	183.59			-0.002	ug/L	ICB	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 14:55	Hg
CRA	2163.3			0.213	ug/L	IPR	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 14:57	Hg
CCV	9618.3			1.024	ug/L	CCV	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 14:59	Hg
CCB	273.65			0.008	ug/L	CCB	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 15:01	Hg
MB 410-658239/1-A	507.55			0.033	ug/L	Unknown	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 15:03	Hg
LCS 410-658239/2-A	9181			0.977	ug/L	Unknown	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 15:05	Hg
LCSD 410-658239/3-A	9048.5			0.962	ug/L	Unknown	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 15:06	Hg
455-1509-C-3-A	504.12			0.033	ug/L	Unknown	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 15:08	Hg
455-1509-F-3-A DU	728.99			0.057	ug/L	Unknown	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 15:10	Hg
455-1509-D-3-A MS	9759.8			1.04	ug/L	Unknown	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 15:12	Hg
455-1509-E-3-A MSD	9740.8			1.037	ug/L	Unknown	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 15:14	Hg
180-191455-H-1-A	386.94			0.02	ug/L	Unknown	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 15:16	Hg
400-277195-C-2-A	306.02			0.011	ug/L	Unknown	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 15:18	Hg
180-191225-J-2-A	280.08			0.009	ug/L	Unknown	9195.853273	200.6233146	0.999964961	Linear		M10	6/17/2025 15:20	Hg
CCV	9599.2			1.022	ug/L	CCV							6/17/2025 15:22	
CCB	282.02			0.009	ug/L	CCB							6/17/2025 15:23	
180-191225-J-4-A	268.41			0.007	ug/L	Unknown							6/17/2025 15:25	
180-191225-J-3-A	252.14			0.006	ug/L	Unknown							6/17/2025 15:27	
180-191225-T-6-A	339.54			0.015	ug/L	Unknown							6/17/2025 15:29	
410-226407-P-17-A	257.78			0.006	ug/L	Unknown							6/17/2025 15:31	
410-225905-H-8-A	279.38			0.009	ug/L	Unknown							6/17/2025 15:33	
410-226281-I-1-A	270.93			0.008	ug/L	Unknown							6/17/2025 15:35	
410-226224-H-6-A	241.2			0.004	ug/L	Unknown							6/17/2025 15:37	
410-226281-I-2-A	323.48			0.013	ug/L	Unknown							6/17/2025 15:39	
180-191446-J-2-A	353.79			0.017	ug/L	Unknown							6/17/2025 15:40	
180-191362-L-1-A	367.26			0.018	ug/L	Unknown							6/17/2025 15:42	
CCV	9620.8			1.024	ug/L	CCV							6/17/2025 15:44	
CCB	300.65			0.011	ug/L	CCB							6/17/2025 15:46	
410-226058-C-2-A	325.89			0.014	ug/L	Unknown							6/17/2025 15:48	
410-226058-C-1-A	366.37			0.018	ug/L	Unknown							6/17/2025 15:50	
180-191225-J-1-A	244.28			0.005	ug/L	Unknown							6/17/2025 15:52	
180-191225-T-5-A	404.55			0.022	ug/L	Unknown							6/17/2025 15:54	
410-225992-O-1-A	270.24			0.008	ug/L	Unknown							6/17/2025 15:56	
MB 410-656666/1-A	175.55			-0.003	ug/L	Unknown							6/17/2025 15:57	
LCS 410-656666/2-A	8929.3			0.949	ug/L	Unknown							6/17/2025 15:59	
410-225202-F-10-A	220.99			0.002	ug/L	Unknown							6/17/2025 16:01	
410-225202-H-10-A DU	217.3			0.002	ug/L	Unknown							6/17/2025 16:03	
410-225202-H-10-B MS	8523.9			0.905	ug/L	Unknown							6/17/2025 16:05	
CCV	9566.8			1.019	ug/L	CCV							6/17/2025 16:07	
CCB	288.54			0.01	ug/L	CCB							6/17/2025 16:09	
410-225202-H-10-C MSD	8154.8			0.865	ug/L	Unknown							6/17/2025 16:11	
180-191166-H-3-A	247.5			0.005	ug/L	Unknown							6/17/2025 16:13	
410-225977-O-2-A	314.17			0.012	ug/L	Unknown							6/17/2025 16:15	
410-225977-T-4-A	309.97			0.012	ug/L	Unknown							6/17/2025 16:16	
410-225977-Q-3-A	269.68			0.008	ug/L	Unknown							6/17/2025 16:18	

180-191166-H-4-A	238.33			0.004	ug/L	Unknown							6/17/2025 16:20	
180-191166-H-7-A	243.44			0.005	ug/L	Unknown							6/17/2025 16:22	
410-225045-M-26-A	235.58			0.004	ug/L	Unknown							6/17/2025 16:24	
410-225977-O-3-A	306.22			0.011	ug/L	Unknown							6/17/2025 16:26	
410-225977-Q-2-A	284.08			0.009	ug/L	Unknown							6/17/2025 16:28	
CCV	9653.1			1.028	ug/L	CCV							6/17/2025 16:30	
CCB	282.54			0.009	ug/L	CCB							6/17/2025 16:32	
180-191167-H-1-A	231.1			0.003	ug/L	Unknown							6/17/2025 16:34	
400-277195-C-1-A	282.66			0.009	ug/L	Unknown							6/17/2025 16:35	
180-191225-Q-5-A	235.32			0.004	ug/L	Unknown							6/17/2025 16:37	
180-191225-M-4-A	187.76			-0.001	ug/L	Unknown							6/17/2025 16:39	
180-191225-L-1-A	219.09			0.002	ug/L	Unknown							6/17/2025 16:41	
180-191225-O-3-A	248.55			0.005	ug/L	Unknown							6/17/2025 16:43	
180-191225-M-2-A	225.84			0.003	ug/L	Unknown							6/17/2025 16:45	
180-191225-Q-6-A	245.74			0.005	ug/L	Unknown							6/17/2025 16:47	
410-225977-O-4-A	231.16			0.003	ug/L	Unknown							6/17/2025 16:49	
180-191166-H-2-A	260.39			0.007	ug/L	Unknown							6/17/2025 16:51	
CCV	9586.6			1.021	ug/L	CCV							6/17/2025 16:53	
CCB	300.5			0.011	ug/L	CCB							6/17/2025 16:54	
MB 410-658486/1-A	435.72			0.026	ug/L	Unknown							6/17/2025 16:56	
LCS 410-658486/2-A	9346.8			0.995	ug/L	Unknown							6/17/2025 16:58	
410-226505-C-1-Y	418.21			0.024	ug/L	Unknown							6/17/2025 17:00	
410-226505-C-1-Z DU	432.42			0.025	ug/L	Unknown							6/17/2025 17:02	
410-226505-C-1-AA MS	3077.6			0.313	ug/L	Unknown							6/17/2025 17:04	
410-226505-C-1-AB MSD	2990.9			0.303	ug/L	Unknown							6/17/2025 17:06	
410-226948-E-1-D	584			0.042	ug/L	Unknown							6/17/2025 17:08	
410-227212-A-2-D	596.25			0.043	ug/L	Unknown							6/17/2025 17:10	
410-227151-A-2-D	528.17			0.036	ug/L	Unknown							6/17/2025 17:12	
410-227158-A-2-D	2238.1			0.222	ug/L	Unknown							6/17/2025 17:14	
CCV	9623.2			1.025	ug/L	CCV							6/17/2025 17:15	
CCB	270.77			0.008	ug/L	CCB							6/17/2025 17:17	
410-227222-B-2-J	696.46			0.054	ug/L	Unknown							6/17/2025 17:19	
MB 410-656078/1-A	735.1			0.058	ug/L	Unknown							6/17/2025 17:21	
LCS 410-656078/2-A	10509			1.121	ug/L	Unknown							6/17/2025 17:23	
410-225422-W-2-B	1211.6			0.11	ug/L	Unknown							6/17/2025 17:25	
410-225422-U-2-A DU	1196.4			0.108	ug/L	Unknown							6/17/2025 17:27	
410-225422-X-2-A MS	10666			1.138	ug/L	Unknown							6/17/2025 17:29	
410-225422-W-2-C MSD	9928.2			1.058	ug/L	Unknown							6/17/2025 17:31	
410-225588-R-1-A	656.09			0.05	ug/L	Unknown							6/17/2025 17:32	
410-225875-O-1-A	710.53			0.055	ug/L	Unknown							6/17/2025 17:34	
410-225875-N-5-A	897.97			0.076	ug/L	Unknown							6/17/2025 17:36	
CCV	9573.7			1.019	ug/L	CCV							6/17/2025 17:38	
CCB	289.74			0.01	ug/L	CCB							6/17/2025 17:40	
410-225875-I-6-A	742.6			0.059	ug/L	Unknown							6/17/2025 17:42	
410-225947-L-10-A	753.92			0.06	ug/L	Unknown							6/17/2025 17:44	
410-225721-L-16-A	906.53			0.077	ug/L	Unknown							6/17/2025 17:46	
410-225588-T-1-A	685.03			0.053	ug/L	Unknown							6/17/2025 17:48	
410-225588-N-5-A	536.41			0.037	ug/L	Unknown							6/17/2025 17:49	
410-225875-Q-1-A	777.76			0.063	ug/L	Unknown							6/17/2025 17:51	
410-225875-K-6-A	764.78			0.061	ug/L	Unknown							6/17/2025 17:53	
410-225875-I-5-A	815.32			0.067	ug/L	Unknown							6/17/2025 17:55	
410-225586-K-4-A	795.52			0.065	ug/L	Unknown							6/17/2025 17:57	
410-225586-P-1-A	728.91			0.057	ug/L	Unknown							6/17/2025 17:59	
CCV	9583.4			1.02	ug/L	CCV							6/17/2025 18:01	
CCB	296.9			0.01	ug/L	CCB							6/17/2025 18:03	

410-225586-K-6-A	788.72	0.064	ug/L	Unknown	6/17/2025 18:05
410-225157-AF-3-A	743.03	0.059	ug/L	Unknown	6/17/2025 18:06
410-225550-AH-1-A	1037.3	0.091	ug/L	Unknown	6/17/2025 18:08
410-225588-I-5-A	481.48	0.031	ug/L	Unknown	6/17/2025 18:10
410-225585-G-7-A	725.8	0.057	ug/L	Unknown	6/17/2025 18:12
410-225621-AG-1-A	1887.5	0.183	ug/L	Unknown	6/17/2025 18:14
MB 410-658891/1-A	1052.9	0.093	ug/L	Unknown	6/17/2025 18:16
LCS 410-658891/2-A	10561	1.127	ug/L	Unknown	6/17/2025 18:18
410-224326-I-1-A	965.84	0.083	ug/L	Unknown	6/17/2025 18:20
410-224326-I-1-B DU	1191.4	0.108	ug/L	Unknown	6/17/2025 18:22
CCV	9543.5	1.016	ug/L	CCV	6/17/2025 18:24
CCB	283.88	0.009	ug/L	CCB	6/17/2025 18:25
410-224326-I-1-C MS	10505	1.121	ug/L	Unknown	6/17/2025 18:27
410-224326-I-1-D MSD	10458	1.116	ug/L	Unknown	6/17/2025 18:29
410-224326-I-2-A	1064	0.094	ug/L	Unknown	6/17/2025 18:31
MB 410-658634/1-A	778.08	0.063	ug/L	Unknown	6/17/2025 18:33
LCS 410-658634/2-A	10740	1.146	ug/L	Unknown	6/17/2025 18:35
410-224963-D-1-A	836.85	0.069	ug/L	Unknown	6/17/2025 18:37
410-224963-A-1-A DU	699.15	0.054	ug/L	Unknown	6/17/2025 18:39
410-224963-D-1-B MS	10312	1.1	ug/L	Unknown	6/17/2025 18:41
410-224963-D-1-C MSD	10566	1.127	ug/L	Unknown	6/17/2025 18:43
410-225004-J-1-A	709.2	0.055	ug/L	Unknown	6/17/2025 18:44
CCV	9593.3	1.021	ug/L	CCV	6/17/2025 18:46
CCB	295.89	0.01	ug/L	CCB	6/17/2025 18:48
410-224980-I-1-A	739.54	0.059	ug/L	Unknown	6/17/2025 18:50
180-191166-E-1-A	819.06	0.067	ug/L	Unknown	6/17/2025 18:52
180-191166-E-5-A	714.87	0.056	ug/L	Unknown	6/17/2025 18:54
180-191166-E-6-A	693.48	0.054	ug/L	Unknown	6/17/2025 18:56
410-225199-G-1-A	754.55	0.06	ug/L	Unknown	6/17/2025 18:58
410-225202-F-4-A	654.82	0.049	ug/L	Unknown	6/17/2025 19:00
410-225202-F-5-A	657.09	0.05	ug/L	Unknown	6/17/2025 19:02
410-225202-F-6-A	684.69	0.053	ug/L	Unknown	6/17/2025 19:03
410-225202-F-7-A	718.01	0.056	ug/L	Unknown	6/17/2025 19:05
410-225202-F-8-A	712.9	0.056	ug/L	Unknown	6/17/2025 19:07
CCV	9512.2	1.013	ug/L	CCV	6/17/2025 19:09
CCB	296.43	0.01	ug/L	CCB	6/17/2025 19:11
410-225202-F-12-A	553.55	0.038	ug/L	Unknown	6/17/2025 19:13
410-225202-F-9-A	740.42	0.059	ug/L	Unknown	6/17/2025 19:15
410-225202-F-14-A	628.55	0.047	ug/L	Unknown	6/17/2025 19:17
410-225202-F-15-A	739.36	0.059	ug/L	Unknown	6/17/2025 19:19
410-225202-F-16-A	685.34	0.053	ug/L	Unknown	6/17/2025 19:21
410-225202-F-13-A	647.84	0.049	ug/L	Unknown	6/17/2025 19:22
410-225202-F-11-A	696.34	0.054	ug/L	Unknown	6/17/2025 19:24
410-225045-G-25-A	696.3	0.054	ug/L	Unknown	6/17/2025 19:26
z	41.859	-0.017	ug/L	Unknown	6/17/2025 19:28
z	64.67	-0.015	ug/L	Unknown	6/17/2025 19:30
CCV	9571.6	1.019	ug/L	CCV	6/17/2025 19:32
CCB	291.44	0.01	ug/L	CCB	6/17/2025 19:34
MB 410-658036/1-C	112.14	-0.01	ug/L	Unknown	6/17/2025 19:37
LCS 410-658036/2-C	36261	3.921	ug/L	Unknown	6/17/2025 19:39
410-226246-B-1-K	-68.783	-0.029	ug/L	Unknown	6/17/2025 19:41
410-226246-B-1-L DU	-2.481	-0.022	ug/L	Unknown	6/17/2025 19:43
410-226246-B-1-M MS	25.547	-0.019	ug/L	Unknown	6/17/2025 19:45
410-226246-B-1-N MSD	17.939	-0.02	ug/L	Unknown	6/17/2025 19:46
410-226246-E-2-C	17.129	-0.02	ug/L	Unknown	6/17/2025 19:48

410-226246-E-3-C	28.589	-0.019	ug/L	Unknown	6/17/2025 19:50
410-203781-A-11-C MDLS	7651.7	0.81	ug/L	Unknown	6/17/2025 19:52
CCV	9337.8	0.994	ug/L	CCV	6/17/2025 19:54
CCB	285.15	0.009	ug/L	CCB	6/17/2025 19:56

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-225004-1

SDG No.:

Batch Number: 654356 Batch Start Date: 06/10/25 08:50 Batch Analyst: Mertz, James

Batch Method: Non-Digest Prep Batch End Date: 06/10/25 09:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	MP_1:1HCl 00051	MP_1:1HNO3 00082	MT_LCS-SPK-A 00051	MT_LCS-SPK-B 00051
MB 410-654356/1		Non-Digest Prep, 6020B			50 mL	51.5 mL	0.5 mL	1 mL		
LCS 410-654356/2		Non-Digest Prep, 6020B			50 mL	50 mL	0.5 mL	1 mL	0.2 mL	0.2 mL
410-225004-M-1	MW-2D	Non-Digest Prep, 6020B	Water	D	50 mL	51.5 mL	0.5 mL	1 mL		

Batch Notes	
Digestion Tubes ID	24061004
Pipette/Syringe/Dispenser ID	G20054G
Batch Comment	Tips M211419J

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 654487 | Batch Start Date: 06/09/25 22:00 | Batch Analyst: Kuhns, Annamaria M

Batch Method: 3005A | Batch End Date: 06/10/25 02:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	MP_1:1HCl 00048	MP_1:1HNO3 00082	MT_LCS-SPK-A 00052	MT_LCS-SPK-B 00051
MB 410-654487/1		3005A, 6020B			50 mL	50 mL	5 mL	2 mL		
LCS 410-654487/2		3005A, 6020B			50 mL	50 mL	5 mL	2 mL	0.2 mL	0.2 mL
410-225004-J-2	MW-3D	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-225004-B-2 DU	MW-3D	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-225004-J-2 MS	MW-3D	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL	0.2 mL	0.2 mL
410-225004-J-2 MSD	MW-3D	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL	0.2 mL	0.2 mL
410-225004-J-3	MW-6D	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-225004-J-4	MW-7D	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-225004-J-6	EB	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-225004-J-5	MW-8	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-225004-K-1	MW-2D	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		

Batch Notes	
Digestion Tube/Cup ID	24080204
Pipette/Syringe/Dispenser ID	G20054G
Pipette Tip Lot ID	L208595R
Digestion Unit ID	15
Thermometer ID	3917
Temperature - Uncorrected - Start	95 Degrees C
Temperature - Corrected - Start	95 Degrees C
Temperature - Uncorrected - End	95 Degrees C
Temperature - Corrected - End	95 Degrees C

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 655133 | Batch Start Date: 06/09/25 16:30 | Batch Analyst: Brittingham, Elizabeth

Batch Method: 7470A | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Hg_0.1Control 00272	Hg_1Cal 00256	Hg_1Control 00258	Hg_5%KMnO4 00531
ICV 410-655133/7		7470A, 7470A			100 mL	100 mL			0.25 mL	15 mL
CRA 410-655133/8		7470A, 7470A			100 mL	100 mL	0.2 mL			15 mL
ICB 410-655133/9		7470A, 7470A			100 mL	100 mL				15 mL
CCB 410-655133/10		7470A, 7470A			100 mL	100 mL				15 mL
CCV 410-655133/11		7470A, 7470A			100 mL	100 mL		0.1 mL		15 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MP_5K2S2O8 00146	MP_NaClHNO 00359	MT_HNO3_FI 00018	MT_SULF_FI 00022		
ICV 410-655133/7		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
CRA 410-655133/8		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
ICB 410-655133/9		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
CCB 410-655133/10		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
CCV 410-655133/11		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		

Batch Notes	
Pipette/Syringe/Dispenser ID	UU08850, UU37982 H22813L KU08130 JUO8391
Digestion Unit ID	3
Thermometer ID	3993
Temperature - Uncorrected - Start	96 Degrees C
Temperature - Corrected - Start	95 Degrees C
Temperature - Uncorrected - End	96 Degrees C
Temperature - Corrected - End	95 Degrees C
Pipette Tip Lot ID	L207589P, L203624K

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 655133 | Batch Start Date: 06/09/25 16:30 | Batch Analyst: Brittingham, Elizabeth

Batch Method: 7470A | Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 655364 | Batch Start Date: 06/11/25 07:42 | Batch Analyst: Mertz, James

Batch Method: 7470A | Batch End Date: 06/11/25 09:42

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Hg_5%KMnO4 00534	MP_40Hg_IV 00255	MP_5K2S2O8 00147	MP_NaClHNO 00360
MB 410-655364/1		7470A, 7470A			20.0 mL	20.0 mL	3 mL		1.6 mL	1.2 mL
LCS 410-655364/2		7470A, 7470A			20.0 mL	20.0 mL	3 mL	0.5 mL	1.6 mL	1.2 mL
LCSD 410-655364/3		7470A, 7470A			20 mL	20.0 mL	3 mL	0.5 mL	1.6 mL	1.2 mL
410-225004-K-2	MW-3D	7470A, 7470A	Water	T	20 mL	20.0 mL	3 mL		1.6 mL	1.2 mL
410-225004-C-2 DU	MW-3D	7470A, 7470A	Water	T	20 mL	20.0 mL	3 mL		1.6 mL	1.2 mL
410-225004-K-2 MS	MW-3D	7470A, 7470A	Water	T	20 mL	20.0 mL	3 mL	0.5 mL	1.6 mL	1.2 mL
410-225004-K-2 MSD	MW-3D	7470A, 7470A	Water	T	20 mL	20.0 mL	3 mL	0.5 mL	1.6 mL	1.2 mL
410-225004-K-6	EB	7470A, 7470A	Water	T	20 mL	20.0 mL	3 mL		1.6 mL	1.2 mL
410-225004-L-1	MW-2D	7470A, 7470A	Water	T	20 mL	20.0 mL	3 mL		1.6 mL	1.2 mL
410-225004-K-5	MW-8	7470A, 7470A	Water	T	20 mL	20.0 mL	3 mL		1.6 mL	1.2 mL
410-225004-K-4	MW-7D	7470A, 7470A	Water	T	20 mL	20.0 mL	3 mL		1.6 mL	1.2 mL
410-225004-K-3	MW-6D	7470A, 7470A	Water	T	20 mL	20.0 mL	3 mL		1.6 mL	1.2 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MT_HNO3_FI 00018	MT_SULF_FI 00022				
MB 410-655364/1		7470A, 7470A			0.5 mL	1 mL				
LCS 410-655364/2		7470A, 7470A			0.5 mL	1 mL				
LCSD 410-655364/3		7470A, 7470A			0.5 mL	1 mL				
410-225004-K-2	MW-3D	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-225004-C-2 DU	MW-3D	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-225004-K-2 MS	MW-3D	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-225004-K-2 MSD	MW-3D	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-225004-K-6	EB	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-225004-L-1	MW-2D	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-225004-K-5	MW-8	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-225004-K-4	MW-7D	7470A, 7470A	Water	T	0.5 mL	1 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-225004-1

SDG No.:

Batch Number: 655364 Batch Start Date: 06/11/25 07:42 Batch Analyst: Mertz, James

Batch Method: 7470A Batch End Date: 06/11/25 09:42

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MT_HNO3_FI 00018	MT_SULF_FI 00022				
410-225004-K-3	MW-6D	7470A, 7470A	Water	T	0.5 mL	1 mL				

Batch Notes	
Digestion Tube/Cup ID	LV4061004
Pipette/Syringe/Dispenser ID	S/500
Digestion Unit ID	11
Thermometer ID	3906
Temperature - Uncorrected - Start	96 Degrees C
Temperature - Corrected - Start	95 Degrees C
Temperature - Uncorrected - End	96 Degrees C
Temperature - Corrected - End	95 Degrees C
Reflux Cap ID	23120109
Pipette Tip Lot ID	M210718I

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 658634 | Batch Start Date: 06/17/25 10:40 | Batch Analyst: Ruf, Skyler

Batch Method: 7470A | Batch End Date: 06/17/25 12:40

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Hg_5%KMnO4 00527	MP_40Hg_IV 00256	MP_5K2S2O8 00148	MP_NaClHNO 00360
MB 410-658634/1		7470A, 7470A			20.0 mL	20.0 mL	3 mL		1.6 mL	1.2 mL
LCS 410-658634/2		7470A, 7470A			20.0 mL	20.0 mL	3 mL	0.5 mL	1.6 mL	1.2 mL
410-225004-J-1	MW-2D	7470A, 7470A	Water	D	20.0 mL	20.0 mL	3 mL		1.6 mL	1.2 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MT_HNO3_FI 00018	MT_SULF_FI 00022				
MB 410-658634/1		7470A, 7470A			0.5 mL	1 mL				
LCS 410-658634/2		7470A, 7470A			0.5 mL	1 mL				
410-225004-J-1	MW-2D	7470A, 7470A	Water	D	0.5 mL	1 mL				

Batch Notes	
Digestion Tube/Cup ID	LV24010607
Pipette/Syringe/Dispenser ID	S/500
Digestion Unit ID	16
Thermometer ID	3993
Temperature - Uncorrected - Start	96 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion Start Time	10:40am
Digestion End Time	12:40pm
Temperature - Uncorrected - End	96 Degrees C
Temperature - Corrected - End	95 Degrees C
Reflux Cap ID	2307074
Pipette Tip Lot ID	L208595R

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 658801 | Batch Start Date: 06/17/25 10:45 | Batch Analyst: Ruf, Skyler

Batch Method: 7470A | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Hg_0.1Control 00273	Hg_1Cal 00257	Hg_1Control 00259	Hg_5%KMnO4 00536
ICV 410-658801/7		7470A, 7470A			100 mL	100 mL			0.25 mL	15 mL
CRA 410-658801/8		7470A, 7470A			100 mL	100 mL	0.2 mL			15 mL
ICB 410-658801/9		7470A, 7470A			100 mL	100 mL				15 mL
CCB 410-658801/10		7470A, 7470A			100 mL	100 mL				15 mL
CCV 410-658801/11		7470A, 7470A			100 mL	100 mL		0.1 mL		15 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MP_5K2S2O8 00148	MP_NaClHNO 00362	MT_HNO3_FI 00018	MT_SULF_FI 00022		
ICV 410-658801/7		7470A, 7470A			1.6 mL	1.2 mL	2.5 mL	5 mL		
CRA 410-658801/8		7470A, 7470A			1.6 mL	1.2 mL	2.5 mL	5 mL		
ICB 410-658801/9		7470A, 7470A			1.6 mL	1.2 mL	2.5 mL	5 mL		
CCB 410-658801/10		7470A, 7470A			1.6 mL	1.2 mL	2.5 mL	5 mL		
CCV 410-658801/11		7470A, 7470A			1.6 mL	1.2 mL	2.5 mL	5 mL		

Batch Notes	
Pipette/Syringe/Dispenser ID	UU08850, UU37982 H22813L KU08130 JUO8391
Digestion Unit ID	3
Thermometer ID	3993
Temperature - Uncorrected - Start	96 Degrees C
Temperature - Corrected - Start	95 Degrees C
Temperature - Uncorrected - End	96 Degrees C
Temperature - Corrected - End	95 Degrees C
Pipette Tip Lot ID	L207589P, L203624K

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-225004-1

SDG No.:

Batch Number: 658801 | Batch Start Date: 06/17/25 10:45 | Batch Analyst: Ruf, Skyler

Batch Method: 7470A | Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-225004-1

SDG No.:

Project: Binghamton Plaza

Client Sample ID	Lab Sample ID
MW-2D	410-225004-1
MW-3D	410-225004-2
MW-6D	410-225004-3
MW-7D	410-225004-4
MW-8	410-225004-5
EB	410-225004-6

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-2D
Lab Sample ID: 410-225004-1
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 09:06
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number:
Instrument ID: D27_INS_000003

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
64743-03-9	Phenols, Total	ND	0.020	0.010	mg/L			1	420.4

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-3D
Lab Sample ID: 410-225004-2
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 11:05
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number:
Instrument ID: D27_INS_000003

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
64743-03-9	Phenols, Total	ND	0.020	0.010	mg/L		F2	1	420.4

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-6D
Lab Sample ID: 410-225004-3
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 12:23
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number:
Instrument ID: D27_INS_000003

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
64743-03-9	Phenols, Total	ND	0.020	0.010	mg/L			1	420.4

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-7D
Lab Sample ID: 410-225004-4
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 08:02
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number:
Instrument ID: D27_INS_000003

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
64743-03-9	Phenols, Total	ND	0.020	0.010	mg/L			1	420.4

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-8
Lab Sample ID: 410-225004-5
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 12:25
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number:
Instrument ID: D27_INS_000003

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
64743-03-9	Phenols, Total	ND	0.020	0.010	mg/L			1	420.4

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: EB
Lab Sample ID: 410-225004-6
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-225004-1
SDG ID.:
Matrix: Water
Date Sampled: 05/29/2025 09:35
Reporting Basis: WET
Date Received: 05/30/2025 16:43
Preparation Batch Number:
Instrument ID: D27_INS_000003

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
64743-03-9	Phenols, Total	ND	0.020	0.010	mg/L			1	420.4

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Analyst: UJE2 Batch Start Date: 06/06/2025

Reporting Units: mg/L Analytical Batch No.: 654435

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
14	ICV	13:02	Phenols, Total	0.260	0.250	104	90-110		WC_FL_Q_10OOH_00498
15	ICB	13:06	Phenols, Total	ND					
26	CCV	13:43	Phenols, Total	0.260	0.250	104	90-110		WC_FL_Q_10OOH_00498
27	CCB	13:46	Phenols, Total	ND					
49	CCB	15:00	Phenols, Total	ND					
53	CCV	15:12	Phenols, Total	0.260	0.250	104	90-110		WC_FL_Q_10OOH_00498
54	CCB	15:16	Phenols, Total	ND					
64	CCV	15:49	Phenols, Total	0.258	0.250	103	90-110		WC_FL_Q_10OOH_00498
65	CCB	15:53	Phenols, Total	ND					
74	CCV	16:23	Phenols, Total	0.218	0.200	109	90-110		WC_FL_Q_10OOH_00498
75	CCB	16:26	Phenols, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 654435	Date: 06/06/2025 13:16						
420.4	MB 410-654435/18	Phenols, Total	ND		mg/L	0.020	1
Batch ID: 654435	Date: 06/06/2025 15:09						
420.4	MB 410-654435/52	Phenols, Total	ND		mg/L	0.020	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 654435 Date: 06/06/2025 13:23											
420.4	410-225004-2	Phenols, Total	ND		mg/L						F2
420.4	410-225004-2 MS	Phenols, Total	0.197		mg/L	0.200	98	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 654435 Date: 06/06/2025 13:26											
420.4	410-225004-2 MSD	Phenols, Total	0.219		mg/L	0.200	109	90-110	11	6	F2

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 654435 Date: 06/06/2025 13:10											
						LCS Source: WC_FL_Q_10OOH_00498					
420.4	LCS 410-654435/16	Phenols, Total	0.262		mg/L	0.250	105	90-110	0	6	
Batch ID: 654435 Date: 06/06/2025 15:03											
						LCS Source: WC_FL_Q_10OOH_00498					
420.4	LCS 410-654435/50	Phenols, Total	0.263		mg/L	0.250	105	90-110	4	6	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 654435 Date: 06/06/2025 13:13											
						LCSD Source: WC_FL_Q_10OOH_00498					
420.4	LCSD 410-654435/17	Phenols, Total	0.263		mg/L	0.250	105	90-110	0	6	
Batch ID: 654435 Date: 06/06/2025 15:06											
						LCSD Source: WC_FL_Q_10OOH_00498					
420.4	LCSD 410-654435/51	Phenols, Total	0.253		mg/L	0.250	101	90-110	4	6	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-225004-1

SDG Number:

Matrix: Water Instrument ID: D27_INS_000003

Method: 420.4 MDL Date: 11/29/2018 08:22

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Phenols, Total		0.02	0.01

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-225004-1

SDG Number:

Matrix: Water Instrument ID: D27_INS_000003

Method: 420.4 XMDL Date: 11/21/2018 10:19

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Phenols, Total		0.02	0.01

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: D27_INS_000003 Method: 420.4

Start Date: 06/06/2025 12:16 End Date: 06/06/2025 17:56

Lab Sample ID	D / F	Type	Time	Analytes																			
				PhenT																			
ZZZZZZ			12:16																				
ZZZZZZ			12:20																				
ZZZZZZ			12:25																				
ZZZZZZ			12:30																				
ZZZZZZ			12:33																				
IC 410-654435/6			12:35	X																			
IC 410-654435/7			12:39	X																			
IC 410-654435/8			12:43	X																			
IC 410-654435/9			12:46	X																			
IC 410-654435/10			12:49	X																			
IC 410-654435/11			12:53	X																			
IC 410-654435/12			12:56	X																			
ZZZZZZ			12:59																				
ICV 410-654435/14	1		13:02	X																			
ICB 410-654435/15	1		13:06	X																			
LCS 410-654435/16	1	T	13:10	X																			
LCSD 410-654435/17	1	T	13:13	X																			
MB 410-654435/18	1	T	13:16	X																			
410-225004-2	1	T	13:19	X																			
410-225004-2 MS	1	T	13:23	X																			
410-225004-2 MSD	1	T	13:26	X																			
410-225004-6	1	T	13:29	X																			
410-225004-4	1	T	13:33	X																			
410-225004-5	1	T	13:36	X																			
410-225004-3	1	T	13:39	X																			
CCV 410-654435/26	1		13:43	X																			
CCB 410-654435/27	1		13:46	X																			
ZZZZZZ (Client)			13:50																				
ZZZZZZ (Client)			13:53																				
ZZZZZZ (Client)			13:56																				
ZZZZZZ (Client)			13:59																				
ZZZZZZ (Client)			14:02																				
ZZZZZZ (Client)			14:06																				
ZZZZZZ (QC)			14:09																				
ZZZZZZ (QC)			14:13																				
ZZZZZZ (Client)			14:16																				
ZZZZZZ (Client)			14:19																				
CCV 410-654435/38			14:23																				
CCB 410-654435/39			14:26																				
ZZZZZZ (Client)			14:31																				

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: D27_INS_000003 Method: 420.4

Start Date: 06/06/2025 12:16 End Date: 06/06/2025 17:56

Lab Sample ID	D / F	Type	Time	Analytes																			
				PhenT																			
ZZZZZZ (Client)			14:33																				
ZZZZZZ (Client)			14:36																				
ZZZZZZ (Client)			14:39																				
ZZZZZZ (Client)			14:43																				
ZZZZZZ (Client)			14:46																				
ZZZZZZ (Client)			14:49																				
CCB 410-654435/47			14:53																				
CCB 410-654435/48			14:57																				
CCB 410-654435/49	1		15:00	X																			
LCS 410-654435/50	1	T	15:03	X																			
LCSD 410-654435/51	1	T	15:06	X																			
MB 410-654435/52	1	T	15:09	X																			
CCV 410-654435/53	1		15:12	X																			
CCB 410-654435/54	1		15:16	X																			
ZZZZZZ (Client)			15:21																				
ZZZZZZ (QC)			15:23																				
ZZZZZZ (QC)			15:26																				
ZZZZZZ (Client)			15:29																				
ZZZZZZ (Client)			15:33																				
ZZZZZZ (Client)			15:36																				
ZZZZZZ (Client)			15:39																				
ZZZZZZ (Client)			15:43																				
ZZZZZZ (Client)			15:46																				
CCV 410-654435/64	1		15:49	X																			
CCB 410-654435/65	1		15:53	X																			
410-225004-1	1	T	15:57	X																			
ZZZZZZ (Client)			15:59																				
ZZZZZZ (Client)			16:03																				
ZZZZZZ (Client)			16:06																				
ZZZZZZ (Client)			16:09																				
ZZZZZZ (QC)			16:13																				
ZZZZZZ (QC)			16:16																				
ZZZZZZ (Client)			16:19																				
CCV 410-654435/74	1		16:23	X																			
CCB 410-654435/75	1		16:26	X																			
ZZZZZZ (Client)			16:31																				
ZZZZZZ (Client)			16:33																				
ZZZZZZ (Client)			16:36																				
ZZZZZZ (Client)			16:39																				
ZZZZZZ (Client)			16:43																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-225004-1

SDG No.:

Instrument ID: D27_INS_000003 Method: 420.4

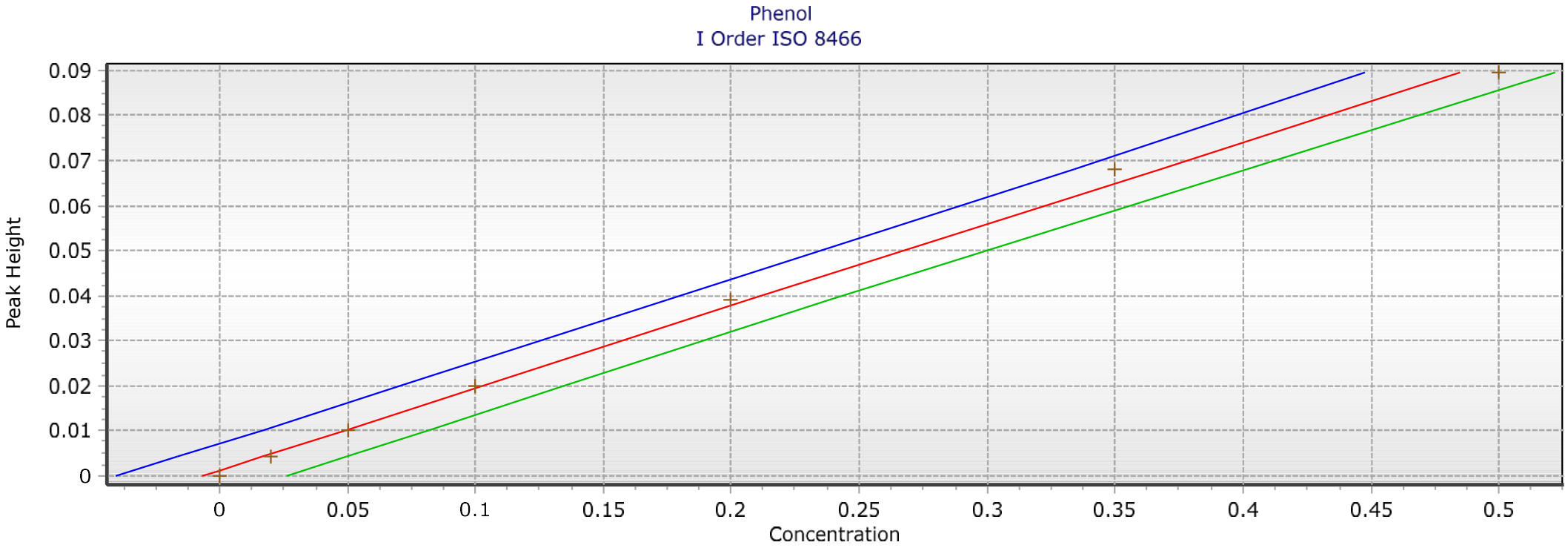
Start Date: 06/06/2025 12:16 End Date: 06/06/2025 17:56

Lab Sample ID	D / F	Type	Time	Analytes																			
				PhenT																			
ZZZZZZ (Client)			16:46																				
ZZZZZZ (Client)			16:49																				
ZZZZZZ (Client)			16:53																				
ZZZZZZ (QC)			16:56																				
ZZZZZZ (QC)			16:59																				
ZZZZZZ (QC)			17:03																				
CCV 410-654435/87			17:06																				
CCB 410-654435/88			17:09																				
ZZZZZZ (Client)			17:14																				
ZZZZZZ (QC)			17:16																				
ZZZZZZ (QC)			17:19																				
ZZZZZZ (Client)			17:23																				
ZZZZZZ (Client)			17:26																				
ZZZZZZ (Client)			17:29																				
ZZZZZZ (Client)			17:33																				
ZZZZZZ (Client)			17:36																				
ZZZZZZ (Client)			17:39																				
CCV 410-654435/98			17:43																				
CCB 410-654435/99			17:46																				
ZZZZZZ (QC)			17:50																				
ZZZZZZ (QC)			17:53																				
ZZZZZZ (Client)			17:56																				

Prep Types
T = Total/NA

FlowAccessV3

Date:2025-06-07 13:20:30



a = 0.00126994714314 b = 0.18215235245737 RSD = 0.00208515307554

r = 0.99846385783028 R2 = 0.99693007539332

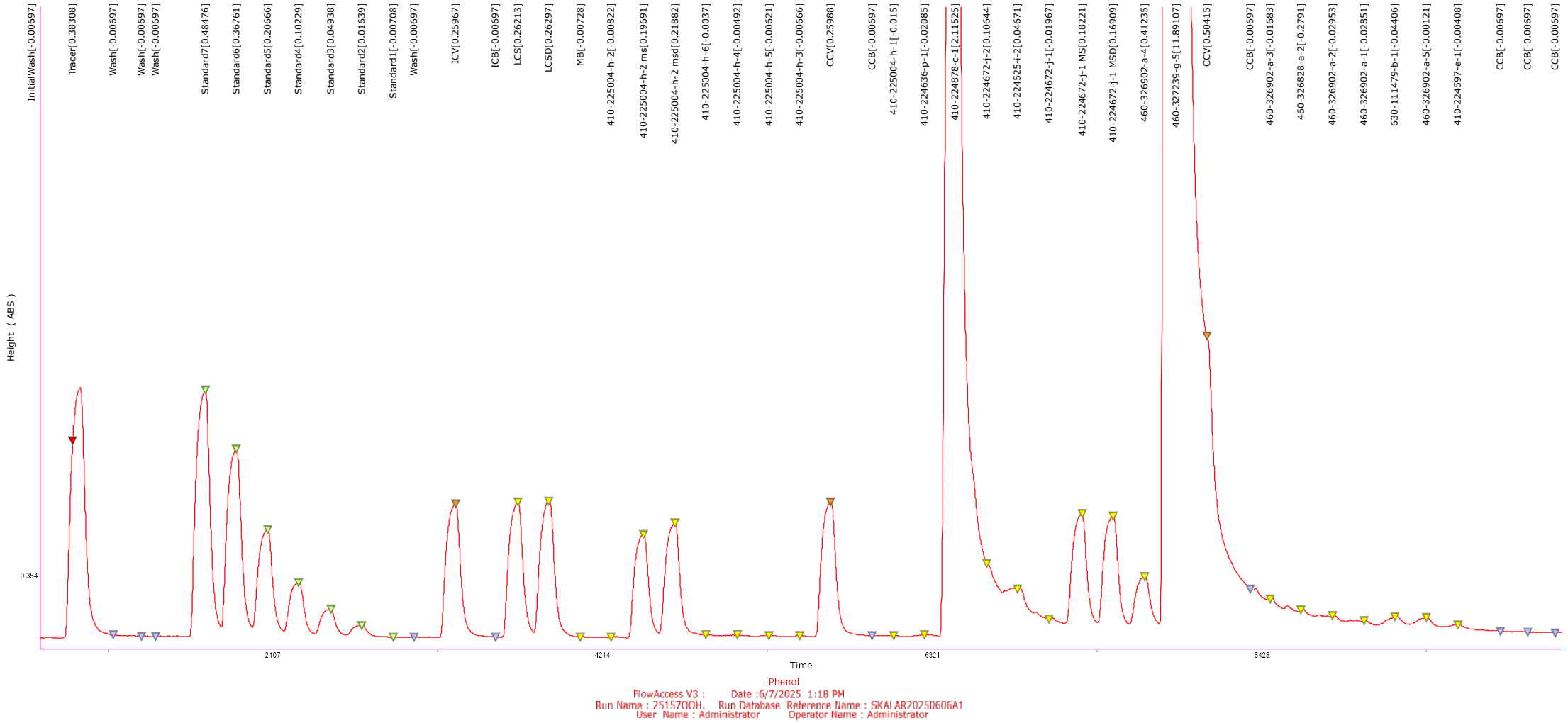
Run Name : 25157OOH, Run Database Ref : SKALAR20250606A1

User Name : Administrator Operator Name : Administrator

ResultID	SampleIdentity	Dil Factor	Results[mg/L]	Height	Peak Time
0	InitialWash	1.0000	-0.00697	0.0000	Jun 6 2025 12:16PM
1	Tracer	1.0000	0.38308	0.0710	Jun 6 2025 12:20PM
2	Wash	1.0000	-0.00697	0.0000	Jun 6 2025 12:25PM
3	Wash	1.0000	-0.00697	0.0000	Jun 6 2025 12:30PM
4	Wash	1.0000	-0.00697	0.0000	Jun 6 2025 12:33PM
5	Standard7	1.0000	0.48476	0.0896	Jun 6 2025 12:35PM
6	Standard6	1.0000	0.36761	0.0682	Jun 6 2025 12:39PM
7	Standard5	1.0000	0.20666	0.0389	Jun 6 2025 12:43PM
8	Standard4	1.0000	0.10229	0.0199	Jun 6 2025 12:46PM
9	Standard3	1.0000	0.04938	0.0103	Jun 6 2025 12:49PM
10	Standard2	1.0000	0.01639	0.0043	Jun 6 2025 12:53PM
11	Standard1	1.0000	-0.00708	0.0000	Jun 6 2025 12:56PM
12	Wash	1.0000	-0.00697	0.0000	Jun 6 2025 12:59PM
13	ICV	1.0000	0.25967	0.0486	Jun 6 2025 1:02PM
14	ICB	1.0000	-0.00697	0.0000	Jun 6 2025 1:06PM
15	LCS	1.0000	0.26213	0.0490	Jun 6 2025 1:10PM
16	LCSD	1.0000	0.26297	0.0492	Jun 6 2025 1:13PM
17	MB	1.0000	-0.00728	-0.0001	Jun 6 2025 1:16PM
18	410-225004-h-2	1.0000	-0.00822	-0.0002	Jun 6 2025 1:19PM
19	410-225004-h-2 ms	1.0000	0.19691	0.0371	Jun 6 2025 1:23PM
20	410-225004-h-2 msd	1.0000	0.21882	0.0411	Jun 6 2025 1:26PM
21	410-225004-h-6	1.0000	-0.00370	0.0006	Jun 6 2025 1:29PM
22	410-225004-h-4	1.0000	-0.00492	0.0004	Jun 6 2025 1:33PM
23	410-225004-h-5	1.0000	-0.00621	0.0001	Jun 6 2025 1:36PM
24	410-225004-h-3	1.0000	-0.00666	0.0001	Jun 6 2025 1:39PM
25	CCV	1.0000	0.25988	0.0486	Jun 6 2025 1:43PM
26	CCB	1.0000	-0.00697	0.0000	Jun 6 2025 1:46PM
27	410-225004-h-1	1.0000	-0.01500	-0.0015	Jun 6 2025 1:50PM
28	410-224636-p-1	1.0000	-0.02085	-0.0025	Jun 6 2025 1:53PM
29	410-224878-c-1	1.0000	2.11525	0.3866	Jun 6 2025 1:56PM
30	410-224672-j-2	1.0000	0.10644	0.0207	Jun 6 2025 1:59PM
31	410-224525-i-2	1.0000	0.04671	0.0098	Jun 6 2025 2:02PM
32	410-224672-j-1	1.0000	-0.01967	-0.0023	Jun 6 2025 2:06PM
33	410-224672-j-1 MS	1.0000	0.18221	0.0345	Jun 6 2025 2:09PM
34	410-224672-j-1 MSD	1.0000	0.16909	0.0321	Jun 6 2025 2:13PM
35	460-326902-a-4	10.0000	0.41235	0.0088	Jun 6 2025 2:16PM
36	460-327239-g-5	1.0000	11.89107	2.1673	Jun 6 2025 2:19PM
37	CCV	1.0000	0.50415	0.0931	Jun 6 2025 2:23PM
38	CCB	1.0000	-0.00697	0.0000	Jun 6 2025 2:26PM
39	460-326902-a-3	1.0000	-0.01683	-0.0018	Jun 6 2025 2:31PM
40	460-326828-a-2	10.0000	-0.27910	-0.0038	Jun 6 2025 2:33PM
41	460-326902-a-2	1.0000	-0.02953	-0.0041	Jun 6 2025 2:36PM
42	460-326902-a-1	1.0000	-0.02851	-0.0039	Jun 6 2025 2:39PM
43	630-111479-b-1	5.0000	-0.04406	-0.0003	Jun 6 2025 2:43PM

44	460-326902-a-5	1.0000	-0.00121	0.0011	Jun 6 2025 2:46PM
45	410-224597-e-1	1.0000	-0.00408	0.0005	Jun 6 2025 2:49PM
46	CCB	1.0000	-0.00697	0.0000	Jun 6 2025 2:53PM
47	CCB	1.0000	-0.00697	0.0000	Jun 6 2025 2:57PM
48	CCB	1.0000	-0.00697	0.0000	Jun 6 2025 3:00PM
49	LCS	1.0000	0.26288	0.0492	Jun 6 2025 3:03PM
50	LCSD	1.0000	0.25292	0.0473	Jun 6 2025 3:06PM
51	MB	1.0000	-0.00505	0.0003	Jun 6 2025 3:09PM
52	CCV	1.0000	0.26047	0.0487	Jun 6 2025 3:12PM
53	CCB	1.0000	-0.00697	0.0000	Jun 6 2025 3:16PM
54	410-224525-j-1	1.0000	-0.01912	-0.0022	Jun 6 2025 3:21PM
55	410-224525-j-1 MS	1.0000	0.17836	0.0338	Jun 6 2025 3:23PM
56	410-224525-j-1 MSD	1.0000	0.16643	0.0316	Jun 6 2025 3:26PM
57	460-327239-g-1	1.0000	18.26636	3.3285	Jun 6 2025 3:29PM
58	630-111635-i-2	1.0000	1.26874	0.2324	Jun 6 2025 3:33PM
59	630-111635-i-3	1.0000	0.40355	0.0748	Jun 6 2025 3:36PM
60	630-111635-i-4	1.0000	0.16685	0.0317	Jun 6 2025 3:39PM
61	630-111635-i-1	1.0000	0.06019	0.0122	Jun 6 2025 3:43PM
62	630-111635-i-5	1.0000	-0.00697	0.0000	Jun 6 2025 3:46PM
63	CCV	1.0000	0.25754	0.0482	Jun 6 2025 3:49PM
64	CCB	1.0000	-0.00697	0.0000	Jun 6 2025 3:53PM
65	410-225004-h-1	1.0000	0.00218	0.0017	Jun 6 2025 3:57PM
66	410-224636-p-1	1.0000	0.00036	0.0013	Jun 6 2025 3:59PM
67	410-224672-j-2	1.0000	-0.00717	0.0000	Jun 6 2025 4:03PM
68	410-224525-i-2	1.0000	0.02517	0.0059	Jun 6 2025 4:06PM
69	410-224672-j-1	1.0000	-0.00484	0.0004	Jun 6 2025 4:09PM
70	410-224672-j-1 MS	1.0000	0.20863	0.0393	Jun 6 2025 4:13PM
71	410-224672-j-1 MSD	1.0000	0.19765	0.0373	Jun 6 2025 4:16PM
72	460-326902-a-4	10.0000	0.90257	0.0177	Jun 6 2025 4:19PM
73	CCV	1.0000	0.21754	0.0409	Jun 6 2025 4:23PM
74	CCB	1.0000	-0.00697	0.0000	Jun 6 2025 4:26PM
75	460-326902-a-3	1.0000	0.00067	0.0014	Jun 6 2025 4:31PM
76	460-326828-a-2	10.0000	-0.04585	0.0004	Jun 6 2025 4:33PM
77	460-326902-a-2	1.0000	-0.00406	0.0005	Jun 6 2025 4:36PM
78	460-326902-a-1	1.0000	-0.00518	0.0003	Jun 6 2025 4:39PM
79	630-111479-b-1	5.0000	0.03334	0.0025	Jun 6 2025 4:43PM
80	460-326902-a-5	1.0000	0.01049	0.0032	Jun 6 2025 4:46PM
81	410-224597-e-1	1.0000	0.00105	0.0015	Jun 6 2025 4:49PM
82	460-327239-g-5	25.0000	21.31052	0.1565	Jun 6 2025 4:53PM
83	LCS	1.0000	1.79279	0.3278	Jun 6 2025 4:56PM
84	LCSD	1.0000	1.97163	0.3604	Jun 6 2025 4:59PM
85	MB	1.0000	-0.00596	0.0002	Jun 6 2025 5:03PM
86	CCV	1.0000	0.21666	0.0407	Jun 6 2025 5:06PM
87	CCB	1.0000	-0.00697	0.0000	Jun 6 2025 5:09PM
88	410-224525-j-1	1.0000	-0.00148	0.0010	Jun 6 2025 5:14PM

89	410-224525-j-1 MS	1.0000	0.20319	0.0383	Jun 6 2025 5:16PM
90	410-224525-j-1 MSD	1.0000	0.17695	0.0335	Jun 6 2025 5:19PM
91	460-327239-g-1	100.0000	86.07887	0.1581	Jun 6 2025 5:23PM
92	630-111635-i-2	1.0000	0.01238	0.0035	Jun 6 2025 5:26PM
93	630-111635-i-3	1.0000	-0.00139	0.0010	Jun 6 2025 5:29PM
94	630-111635-i-4	1.0000	-0.00463	0.0004	Jun 6 2025 5:33PM
95	630-111635-i-1	1.0000	-0.00598	0.0002	Jun 6 2025 5:36PM
96	630-111635-i-5	1.0000	-0.00650	0.0001	Jun 6 2025 5:39PM
97	CCV	1.0000	0.21360	0.0402	Jun 6 2025 5:43PM
98	CCB	1.0000	-0.00697	0.0000	Jun 6 2025 5:46PM
99	LCS	1.0000	0.15550	0.0296	Jun 6 2025 5:50PM
100	LCSD	1.0000	0.15282	0.0291	Jun 6 2025 5:53PM
101	410-225004-h-1	1.0000	-0.00079	0.0011	Jun 6 2025 5:56PM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MB[-0.00728]
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410-224672-j-1 MSD[0.16909]
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CCB[-0.00697]
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460-326828-a-2[-0.2791]
460-326902-a-2[-0.02953]
460-326902-a-1[-0.02851]
630-111479-b-1[-0.04406]
460-326902-a-5[-0.00121]
410-224597-e-1[-0.00408]
CCB[-0.00697]
CCB[-0.00697]
CCB[-0.00697]
Height (ABS)
0.364
2107
4214
6321
8428
Time
Phenol
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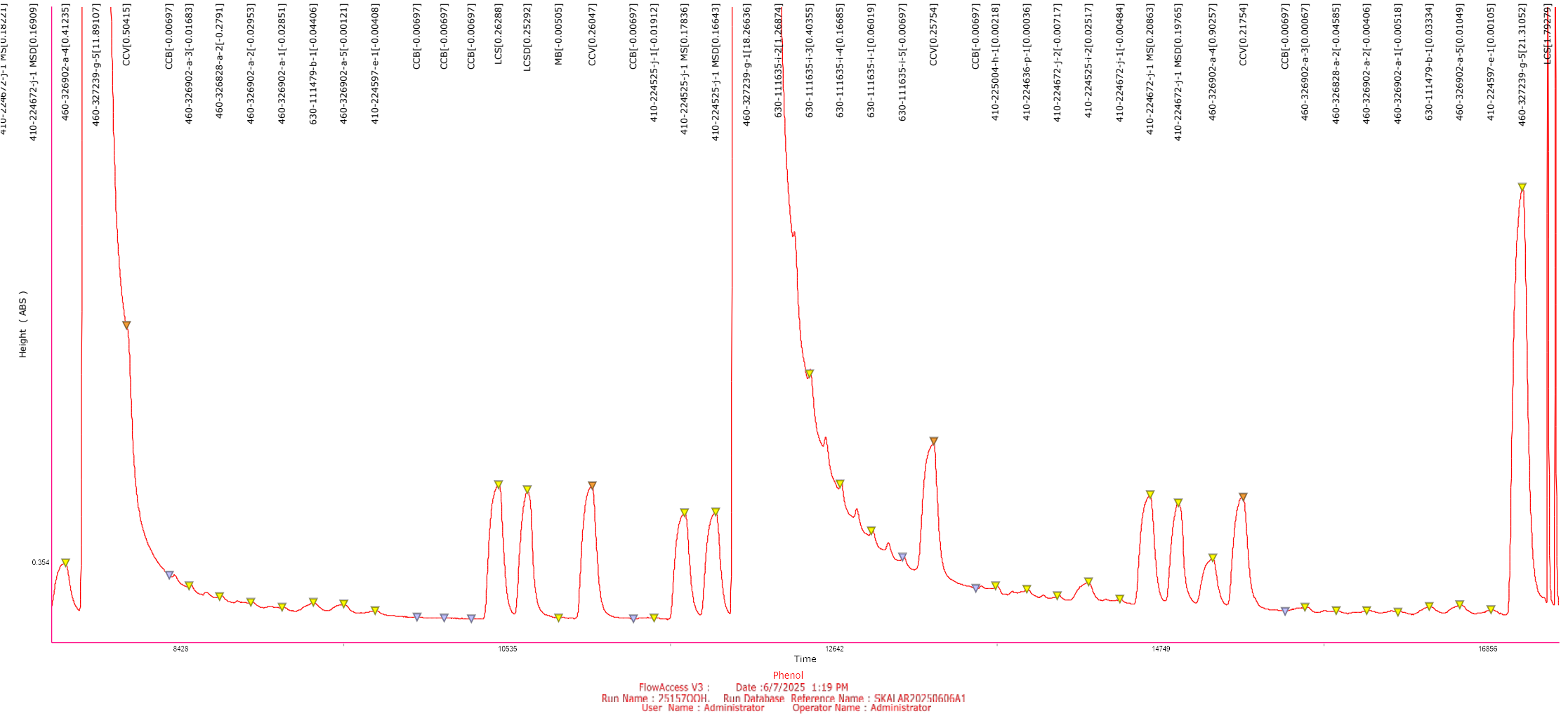
User Name : Administrator Operator Name : Administrator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460-326828-a-2[-0.2791]
460-326902-a-2[-0.02953]
460-326902-a-1[-0.02851]
630-111479-b-1[-0.04406]
460-326902-a-5[-0.00121]
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LCSD[0.25292]
MB[-0.00505]
CCV[0.26047]
CCB[-0.00697]
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CCB[-0.00697]
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CCB[-0.00697]
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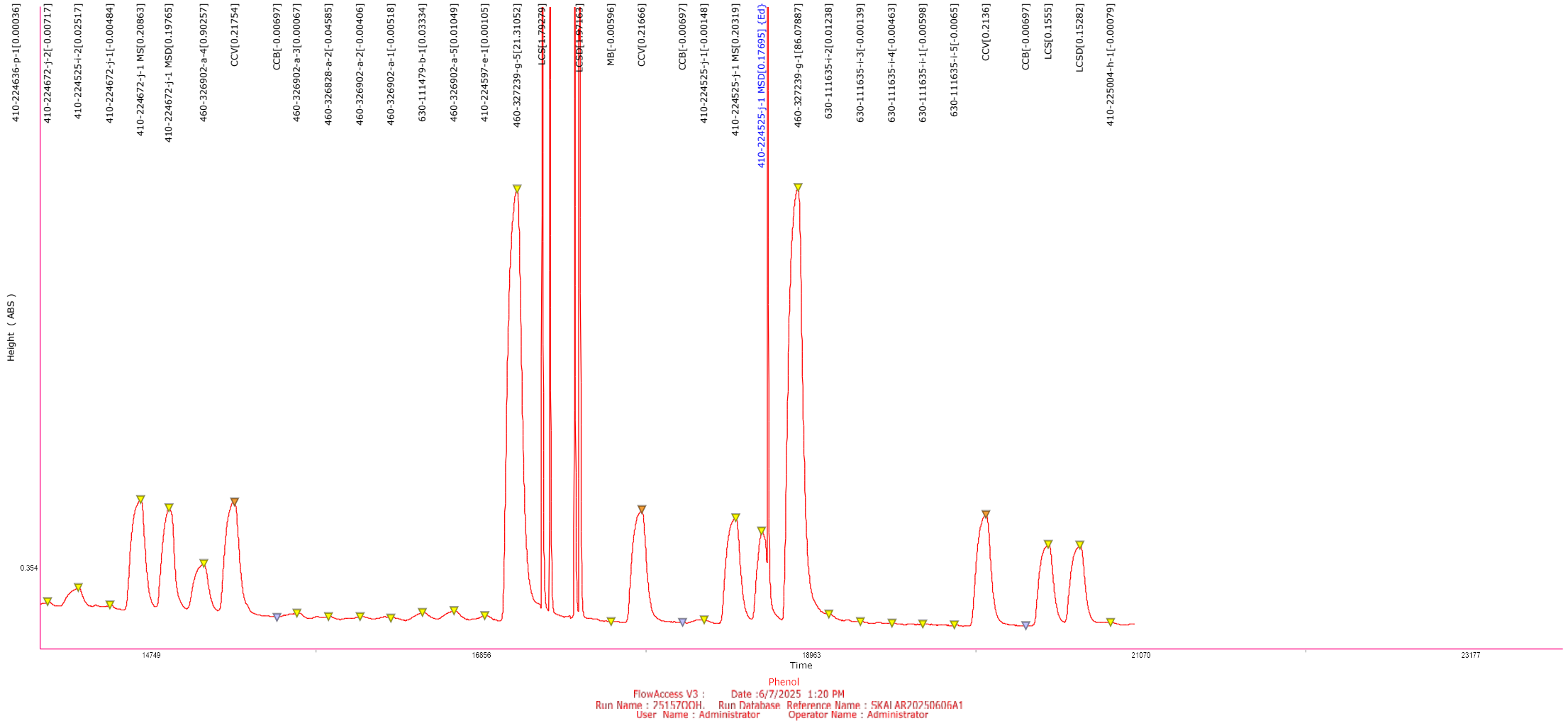
410-224597-e-1[0.00105]
460-327239-g-5[21.31052]
LCS[1.79279]
Height (ABS)
0.354
8428
10535
12642
14749
16856
Time
Phenol
FlowAccess V3 : Date :6/7/2025 1:19 PM
Run Name : 251570OH. Run Database Reference Name : SKALAR20250606A1
User Name : Administrator Operator Name : Administrator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LCS[1.79279]
LCSD[1.87163]
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CCB[-0.00697]
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CCB[-0.00697]
LCS[0.1555]
LCSD[0.15282]
410-225004-h-1[-0.00079]
Height (ABS)
0.354
14749
16856
18963
21070
23177
Time
Phenol
FlowAccess V3 : Date :6/7/2025 1:20 PM
Run Name : 251570OH. Run Database Reference Name : SKAIAR20250606A1
User Name : Administrator Operator Name : Administrator

Run Name : 25157OOH, Run Database Ref : SKALAR20250606A1
User Name : Administrator Operator Name : Administrator

Property	Value
Chemistry Name	Phenol
Calibration Order	I Order ISO 8466
(a)	0.00126994714314
(b)	0.18215235245737
Correlation Coefficient	0.9984638578302800
R Squared	0.99693007539332
Residual Std. Dev.	0.00208515307554
Std. Dev. of Methods (Sxo)	0.01144730247734
Coeff. of var. of Methods (VXo)	6.5681243722466
Relative Standard Error(%)	0
Run Name	SKALAR20250606A1

Sample Type	Identity	Concentration	Corrected Height	Result	Y Residuals	Relative Error(%)
S7	Standard7	0.50000	0.08957	0.48476	-3.1%	-3.05%
S6	Standard6	0.35000	0.06823	0.36761	4.7%	5.03%
S5	Standard5	0.20000	0.03891	0.20666	3.12%	3.33%
S4	Standard4	0.10000	0.01990	0.10229	2.09%	2.29%
S3	Standard3	0.05000	0.01026	0.04938	-1.11%	-1.25%
S2	Standard2	0.02000	0.00426	0.01639	-15.44%	-18.04%
S1	Standard1	0.00000	-0.00002	-0.00708		

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-225004-1

SDG No.:

Batch Number: 654435 Batch Start Date: 06/06/25 12:16 Batch Analyst: McKenzie, Joseph E

Batch Method: 420.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	WC_FL_Q_10OOH 00498			
ICV 410-654435/14		420.4			100 mL	100 mL	2.5 mL			
LCS 410-654435/16		420.4			100 mL	100 mL	2.5 mL			
LCSD 410-654435/17		420.4			100 mL	100 mL	2.5 mL			
410-225004-H-2 MS	MW-3D	420.4	Water	T	25 mL	25 mL	0.5 mL			
410-225004-H-2 MSD	MW-3D	420.4	Water	T	25 mL	25 mL	0.5 mL			
CCV 410-654435/26		420.4			100 mL	100 mL	2.5 mL			
LCS 410-654435/50		420.4			100 mL	100 mL	2.5 mL			
LCSD 410-654435/51		420.4			100 mL	100 mL	2.5 mL			
CCV 410-654435/53		420.4			100 mL	100 mL	2.5 mL			
CCV 410-654435/64		420.4			100 mL	100 mL	2.5 mL			
CCV 410-654435/74		420.4			100 mL	100 mL	2 mL			

Batch Notes	
Buffer Reagent ID	wc_fl_buffooh_00240
Color Reagent 1 ID	wc_fl_distooh_00233
Color Reagent 2 ID	wc_fl_4-aap_00340
Pipette Tip Lot ID	k199109p

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Eurofins Lancaster Laboratories Environme

2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

410-225004 Chain of Custody

eurofins | Environment Testing

Client Information	Sampler: Alex Chipman	Lab PM: Sachtleben, Kerri S		COC No: 410-158614-43777.1
Client Contact: Alexander Chipman	Phone: 610-620-5211	E-Mail: Kerri.Sachtleben@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 3 1
Company: ARM Group, Inc.	PWSID:			Job #:
Address: 515 S. Franklin Street	Due Date Requested:			
City: West Chester	TAT Requested (days): Standard			
State, Zip: PA, 19382	Compliance Project: Δ Yes Δ No			
Phone: 610-692-5770(Tel)	PO #: 062175-7			
Email: achipman@armgroup.net	WO #:			
Project Name: Binghamton Plaza	Project #: 41025684			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
N - None
D - HNO3
S - H2SO4

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs 8260D + TICs	EDB + DBCP 8011	SVOAs 8270E + TICs	Phenolics 420.4	RCRA 8 Metals (minus Hg) 6020B	Mercury 7470A	Dissolved RCRA 8 metals 6020B	Dissolved Mercury 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	A	A	N	S	D	D	D	D	X	
MW-2D	5-29-25	0906	G	W	X	N	3	2	2	1	1	1	1	1	10	* RCRA 8 + Mercury
MW-3D	5-29-25	1105	G	W		Y	9	6	6	3	3	3			27	collected in
MW-6D	5-29-25	1223	G	W		N	3	2	2	1	1	1			9	same bottle
MW-7D	5-29-25	0802	G	W		N	3	2	2	1	1	1			9	+ Diss. RCRA8, Diss
MW-8	5-29-25	1225	G	W		N	3	2	2	1	1	1			9	Mercury collected
EB	5-29-25	0935	G	W		N	3	2	2	1	1	1			9	in same bottle
Trip Blank	5-30-25	0800	G	W		N	3	2							5	→ Field Filtered
																+ Triple volume collected
																from MW-3D for
																MS/MSD

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NYDEC Category B + Equis EDDs

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 5-30-25 1450	Company: ARM	Received by:	Date/Time: 5/30/25 1452	Company: ELLE
Relinquished by:	Date/Time: 5/30/25 1643	Company: ELLE	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/30/25 1643	Company: ELLE

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: R 6.0 C 5.9

CB

Login Sample Receipt Checklist

Client: ARM Group, Inc.

Job Number: 410-225004-1

Login Number: 225004

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Kanagy, Nicholas

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

APPENDIX C

CRT Environmental, OM&M/Inspection Report (August 2025)

CRT ENVIRONMENTAL SOLUTIONS, LLC

August 11, 2025

Mr. Michael Tomasulo
Binghamton Plaza, Inc. / Galesi Realty
30 Galesi Drive
Wayne, New Jersey 07470

Binghamton Plaza 2025 SMP Services
33 West State Street
Binghamton, New York 13901

Mr. Tomasulo:

CRT Environmental Solutions, LLC recently completed inspection services for the 2025 Site Management Plan for the Binghamton Plaza as outlined in our June 27, 2025 proposal.

Attached please find the data sheets and photographic documentation for the initial methane monitoring and composite cover system inspections.

We appreciate the opportunity to assist you on this project. Please contact us if you have any question or comments.

Respectfully,

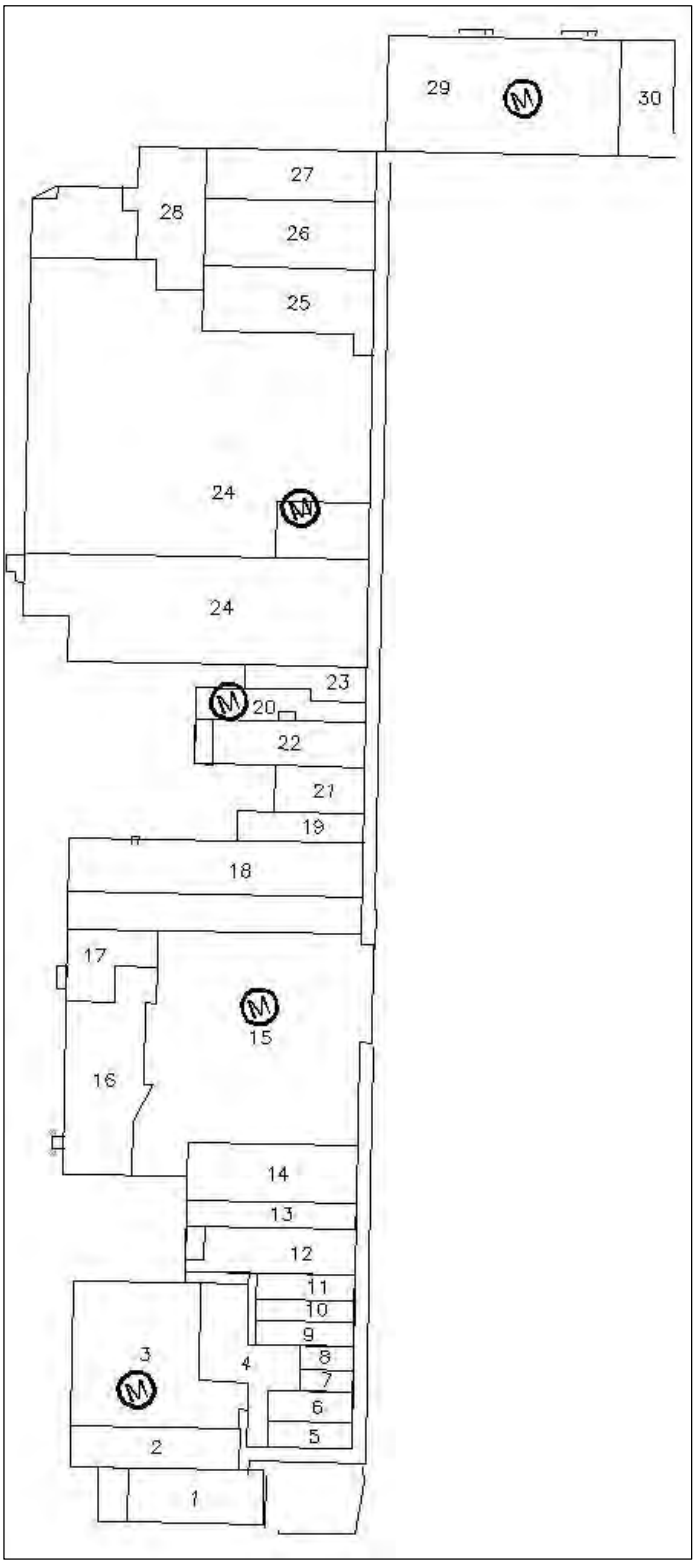
CRT Environmental Solutions, LLC

Christian Tarnowski

Christian R. Tarnowski
Owner

APPENDIX A
"FIELD DATA SHEETS"

Binghamton Plaza - Field Inspection Form
Indoor Air Monitoring for Methane (Buildings 1 - 30)
Building Schematic



Methane Meter Calibration Log

Meter Make and Model: Landtec GEM5000

Field Calibration: N/A

Factory Calibration: 7/15/2025

Field Inspection Form
Indoor Air Monitoring for Methane (Buildings 1 - 30)
Binghamton Plaza - Site Management Plan (Appendix G)
Inspection Frequency: Semi-Annual

Indoor Air Monitoring for Methane General Notes

1.) The Binghamton Plaza site is underlain by approximately 30 feet of municipal waste and incinerator ash. Methane gas (generated by the decomposing waste) has been found to exist in soil gas at elevated concentrations throughout the site.

2. The purpose of this inspection is to verify that methane gas is not present at concentrations that pose a risk to building occupants in Buildings 1 through 30. Active methane monitoring systems/alarms exist in Buildings 31, 32 and 33 and are monitored as part of ongoing Site O&M.

Inspection Results

Building Location	Odors (Y/N)	Methane Concentration (% LEL)	Specific Notes
3	No	0.0%	N/A
			N/A
15	No	0.0%	N/A
			N/A
20	No	0.0%	N/A
			N/A
24	No	0.0%	N/A
			N/A
29	No	0.0%	N/A
			N/A

General Notes

3	N/A
15	N/A
20	N/A
24	N/A
29	N/A

Monitoring Protocol

1.) A properly calibrated portable handheld methane meter should be used to monitor indoor air in the buildings shown on the embedded plan. The monitoring of Buildings 20 and 24 should be conducted above the floor hatches that are used to access the crawl space as shown on the plan. The hatches should remain closed.

2.) The meter should be capable of measuring methane concentrations in percent of the Lower Explosive Limit (LEL).

3.) Methane concentrations should be recorded on this form with any other pertinent information.

4.) Any detections of methane should be immediately reported to the party responsible for implementing the SMP, to determine the proper course of action.

Inspected By: Christian Tarnowski Date: 7/17/2025

Weather Conditions: Sunny, Warm

Binghamton Plaza - Field Inspection Form
Site-wide Cap and Cover Systems
Site Schematic

Site use Note: The entire site has been remediated to commercial use with the exception of the hatched area shown in the above plan. This hatched area has been remediated to restricted-residential use.

Descriptions of Cap and Cover Systems

1.) Pre-Remediation Cap Areas (gray): This area includes all areas that were covered with pavement, concrete or building footprints prior to remediation in Oct. 2014.

2.) Post-Remediation Soil Cover (green): This area was covered during the Oct. 2014 remediation with at least 12" of clean soil over an orange construction fence demarcation layer.

3.) Post-Remediation Asphalt Cover (pink): These areas were not paved prior to the October 2014 remedial action. The remedial action included the installation of a 6-inch thick asphalt cover system.

Inspection Criteria: Inspect all cap and cover systems for evidence of erosion, significant cracking, sinking or heaving. If the potential for exposure to underlying soil and or waste material exists, note the locations on the embedded map, photograph the area and describe the degradation on this form.

Inspection Results

Cap/Cover Type	Intact? (Y/N)	Repairs Needed? (Y/N)	General Notes
Pre-Remediation Cap Areas (gray)	YES	No	Site has large divits and pot holes.
Post-Remediation Soil Cover (green)	YES	No	N/A
Post-Remediation Asphalt Cover (pink)	YES	No	N/A

General Site Condition and Use Inspection Questionnaire

1.) Is the site use consistent with the land use restrictions (i.e. restricted residential and commercial)? YES X / NO_____.
If no, describe.

2.) Are all monitoring well flush mount manholes intact and in good condition? YES_____/ NO X. If not, specify which monitoring well, photograph the degradation and describe.

3.) Have any new buildings been constructed? YES_____ / NO X.
If so, describe.

4.) Have any buildings been removed? YES_____ / NO X.
If so, describe.

General Notes

1.) The Binghamton Plaza site is underlain by approximately 30 feet of municipal waste and incinerator ash. The existing paved areas, concrete slabs, landscaped areas and building footprints function as a continuous cap and cover system for these waste materials.

2.) The purpose of this inspection is to verify that they are intact and preventing exposures to the underlying soil and waste materials buried at the Site.

3.) If the cap and/or cover systems are compromised to an extent that they can no longer prevent exposures to the underlying soil and/or waste materials, repairs must be completed consistent with the Site Management Plan.

4.) This inspection form also includes general site use items to verify that site use restrictions are being followed.

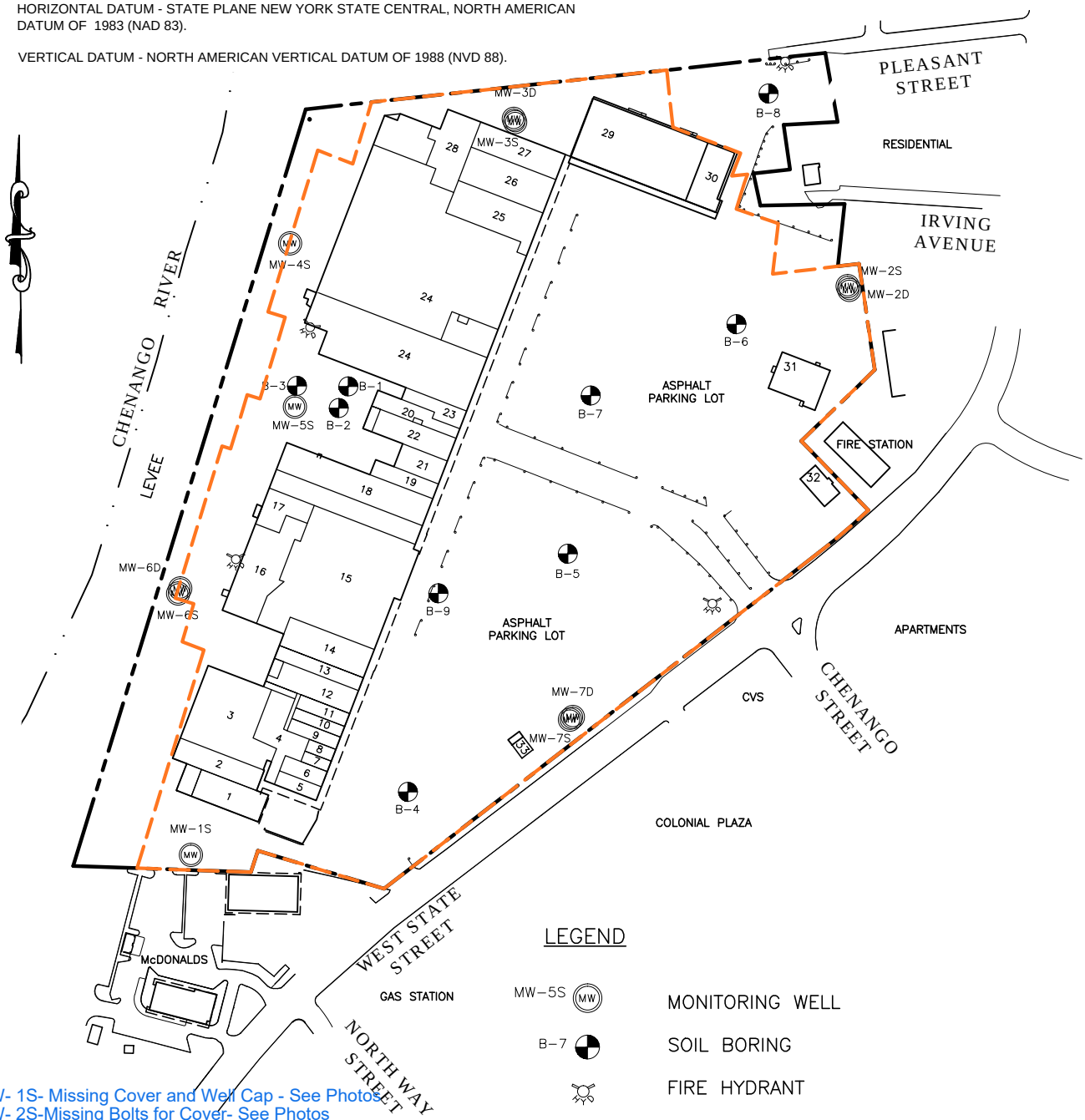
Field Inspection Form
Site-wide Cap and Cover Systems
Binghamton Plaza - Site Management Plan (Appendix G)
Inspection Frequency: Semi-annual

Inspected By: Christian Tarnowski Date: 7/17/2025

Weather Conditions: Sunny, Warm

NOTES:

1. REFERENCE PLANS:
   - *SAMPLE LOCATION MAP FOR BRICKHOUSE ENVIRONMENTAL CONSULTANTS AND ENGINEERS BINGHAMTON PLAZA - WEST STATE STREET* PREPARED BY KEYSTONE ASSOCIATES DATED 02/02/09, LAST REVISED 6/18/13.
   - *ENVIRONMENTAL EASEMENT / BROWNFIELD SURVEY* , PREPARED BY KEYSTONE ASSOCIATES DATED 10/7/2014.
2. HORIZONTAL DATUM - STATE PLANE NEW YORK STATE CENTRAL, NORTH AMERICAN DATUM OF 1983 (NAD 83).
3. VERTICAL DATUM - NORTH AMERICAN VERTICAL DATUM OF 1988 (NVD 88).



LEGEND

MW-5S	MONITORING WELL
B-7	SOIL BORING
	FIRE HYDRANT
	PROPERTY LINE
	GUIDE RAIL
	BROWNFIELD CLEANUP PROGRAM (BCP) AREA/ ENVIRONMENTAL EASEMENT AREA

MW- 1S- Missing Cover and Well Cap - See Photos
MW- 2S-Missing Bolts for Cover- See Photos
MW- 2D- Misisng Cover- See Photos
MW- 3D- Good Condition
MW- 3S- Good Condition
MW- 4S- Could Not Locate
MW- 5S- Good Condition
MW- 6S- Well was covered- had to dig out- See Photos
MW- 6D- Well was covered- had to dig out- See Photos
MW- 7D- Missing 1 Bolt- See Photos
MW- 7S- Missing 1 Bolt- See Photos

MONITOR WELL LOCATION MAP

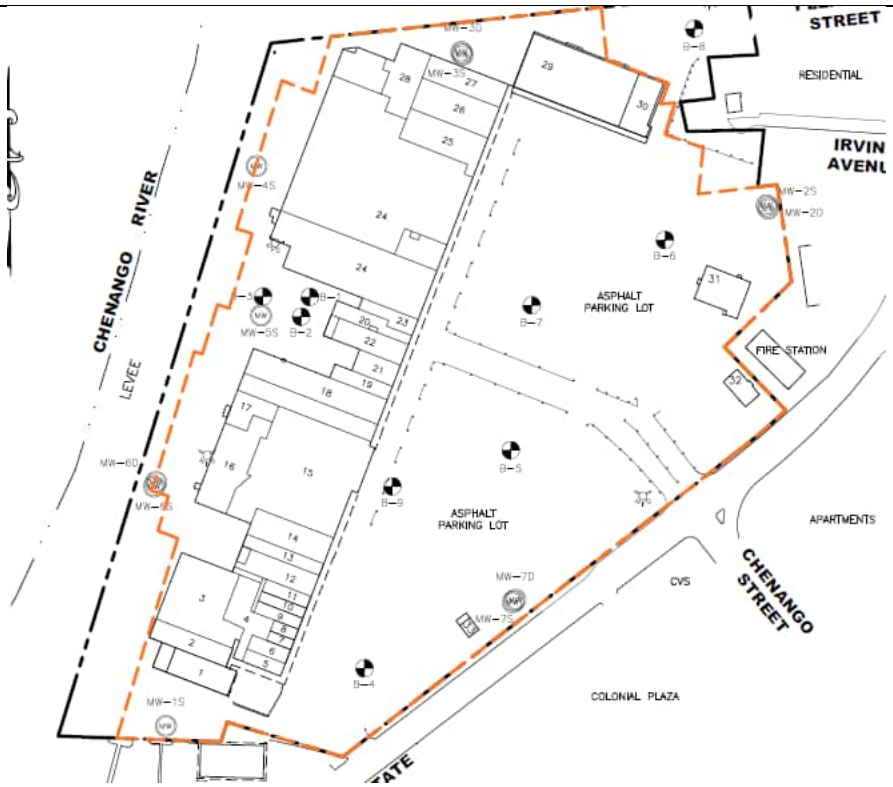
BINGHAMTON PLAZA, CITY OF BINGHAMTON, BROOME COUNTY, NY

BRICKHOUSE ENVIRONMENTAL
PROFESSIONAL GEOLOGISTS, SCIENTISTS AND ENGINEERS
515 S. FRANKLIN STREET; WEST CHESTER, PA 19382 PHONE: 610.692.5770 FAX: 610.692.8650
WWW.BRICKHOUSE-ENVIRONMENTAL.COM

PROJECT:	06-2671.3
FILE NO.:	062175.3_BASE
DATE:	10/7/2014
SCALE:	1" = 250'

ATTACHMENT 1

APPENDIX B
"PHOTOGRAPHIC DOCUMENTATION"



	7/17/2025
	Binghamton Plaza 33 West State Street Binghamton, NY
	View of the project work site

	7/17/2025
	Binghamton Plaza 33 West State Street Binghamton, NY
	View of the site soil cover.

	7/17/2025 Binghamton Plaza 33 West State Street Binghamton, NY Typical view of methane monitoring at the site.
	7/17/2025 Binghamton Plaza 33 West State Street Binghamton, NY Typical view of the GEM5000 monitoring data.

	7/17/2025 Binghamton Plaza 33 West State Street Binghamton, NY View of MW-1S with missing cover and broken cap.
	7/17/2025 Binghamton Plaza 33 West State Street Binghamton, NY Close up view of MW-1S.

	7/17/2025 Binghamton Plaza 33 West State Street Binghamton, NY View of MW-2S and MW-2D.
	7/17/2025 Binghamton Plaza 33 West State Street Binghamton, NY View of MW-2D with missing cover. Lock and cap are still present over well pipe.

	7/17/2025 Binghamton Plaza 33 West State Street Binghamton, NY View of MW-2S showing a missing bolt.
	7/17/2025 Binghamton Plaza 33 West State Street Binghamton, NY View of MW-6D partially covered in dirt. Condition was unknown.

7/17/2025

Binghamton Plaza

33 West State Street

Binghamton, NY

View of MW-6S partially covered in dirt. Condition was unknown.

APPENDIX D

IC/EC Certifications

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

Site Details **Box 1**

Site No. C704049

Site Name Binghamton Plaza

Site Address: 33 West State Street Zip Code: 13901
City/Town: Binghamton
County: Broome
Site Acreage: 21.509

Reporting Period: July 31, 2024 to July 31, 2025

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

Box 2

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

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

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

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

	Box 2A	
	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C704049 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
144.066-01-017	Binghamton Plaza, Inc.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Use of this parcel is restricted to commercial use as defined in Part 375.
Use of site groundwater is restricted without proper treatment.
Engineering controls must be operated, maintained and monitored.
The site and engineering controls must be inspected periodically.
Periodic reports must be submitted.
Groundwater monitoring must be performed.
The Site Management Plan must be adhered to, including evaluation of potential for soil vapor intrusion for any new buildings and/or mitigation of actual or potential soil vapor intrusion.
Access must be provided to agents, employees or other representatives of the State of New York.

144.074-01-001	Binghamton Plaza, Inc.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Use of this parcel is restricted to commercial use as defined in Part 375 for most of the parcel. A portion of this parcel is restricted to restricted-residential use as defined in Part 375.
Use of site groundwater is restricted without proper treatment.
Engineering controls must be operated, maintained and monitored.
The site and engineering controls must be inspected periodically.
Periodic reports must be submitted.
Groundwater monitoring must be performed.
Indoor air monitoring must be performed in the day care building.
The Site Management Plan must be adhered to, including evaluation of potential for soil vapor intrusion for any new buildings and/or mitigation of actual or potential soil vapor intrusion.
Access must be provided to agents, employees or other representatives of the State of New York.

144.074-01-002	Binghamton Plaza, Inc.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Use of this parcel is restricted to restricted-residential use as defined in Part 375 for most of the parcel. A portion of this parcel is restricted to commercial use as defined in Part 375.
Use of site groundwater is restricted without proper treatment.
Engineering controls must be operated, maintained and monitored.
The site and engineering controls must be inspected periodically.
Periodic reports must be submitted.
Groundwater monitoring must be performed.
Indoor air monitoring must be performed.
The Site Management Plan must be adhered to, including evaluation of potential for soil vapor intrusion for any new buildings and/or mitigation of actual or potential soil vapor intrusion.
Access must be provided to agents, employees or other representatives of the State of New York.

144.074-01-007 Binghamton Plaza, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Use of this parcel is restricted to restricted-residential use as defined in Part 375.
Use of site groundwater is restricted without proper treatment.
Engineering controls must be operated, maintained and monitored.
The site and engineering controls must be inspected periodically.
Periodic reports must be submitted.
Groundwater monitoring must be performed.
Indoor air monitoring must be performed.
The Site Management Plan must be adhered to, including evaluation of potential for soil vapor intrusion for any new buildings and/or mitigation of actual or potential soil vapor intrusion.
Access must be provided to agents, employees or other representatives of the State of New York.

144.074-01-008 Binghamton Plaza, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Use of this parcel is restricted to commercial use as defined in Part 375.
Use of site groundwater is restricted without proper treatment.
Engineering controls must be operated, maintained and monitored.
The site and engineering controls must be inspected periodically.
Periodic reports must be submitted.
Groundwater monitoring must be performed.
The Site Management Plan must be adhered to, including evaluation of potential for soil vapor intrusion for any new buildings and/or mitigation of actual or potential soil vapor intrusion.
Access must be provided to agents, employees or other representatives of the State of New York.

144.074-01-019 Binghamton Plaza, Inc.

IC/EC Plan

Monitoring Plan
Site Management Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
O&M Plan

Use of this parcel is restricted to commercial use as defined in Part 375.
Use of site groundwater is restricted without proper treatment.
Engineering controls must be operated, maintained and monitored.
The site and engineering controls must be inspected periodically.
Periodic reports must be submitted.
Groundwater monitoring must be performed.
The Site Management Plan must be adhered to, including evaluation of potential for soil vapor intrusion for any new buildings and/or mitigation of actual or potential soil vapor intrusion.
Access must be provided to agents, employees or other representatives of the State of New York.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
144.066-01-017	Vapor Mitigation Cover System
A cap consisting of concrete building slabs and sidewalks and asphalt paving. A crawl space passive ventillation system is in place.	
144.074-01-001	Vapor Mitigation Cover System
A cap consisting of concrete building slabs sidewalks and asphalt paving is in place across most of this parcel. A cover system consisting of at least one foot of clean soil is in place on a portion of this parcel. A crawl space passive ventillation system is in place in the strip mall buildings. A sub-slab depressurization system is in place in the day care building.	
144.074-01-002	Vapor Mitigation Cover System
A cap consisting of concrete building slabs and sidewalks and asphalt paving. A sub-slab depressurization system is in place.	
144.074-01-007	Vapor Mitigation Cover System
A cap consisting of concrete a building slab and sidealks and asphalt paving. A sub-slab depressurization system is in place.	
144.074-01-008	Vapor Mitigation Cover System
A cap consisting of a concrete building slab and sidewalks and asphalt paving. A sub-slab depressurization system is in place.	
144.074-01-019	Vapor Mitigation Cover System
A cap consisting of a concrete building slab and asphalt paving. A crawl space passive ventillation system is in place.	

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☒	☐

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

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

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

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

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

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

YES	NO
☒	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C704049

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I MICHAEL TOMASULO (print name) at c/o BINGHAMTON PLAZA INC- 306 ALESI DRIVE-SUITE 302 WAYNE, NJ. 07470 (print business address),

am certifying as OWNER (DESIGNATED REPRESENTATIVE) (Owner or Remedial Party)

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

Michael Tomasulo
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

8/27/2025
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

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

I Douglas B. Schott, P.G. at 515 South Franklin Street, West Chester, PA
print name print business address

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

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

Stamp (Required for PE)

8/25/2025
Date